

**SONY®**

HD COLOR CAMERA

**HDC1700**

*Digital* **HDVS**

MAINTENANCE MANUAL

1st Edition

## 警告

このマニュアルは、サービス専用です。  
お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。  
危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

## WARNING

This manual is intended for qualified service personnel only.  
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

## WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.  
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

## AVERTISSEMENT

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

| Model Name    | Serial No.       |
|---------------|------------------|
| HDC1700 (E33) | 50001 and Higher |
| HDC1700 (CE)  | 40001 and Higher |
| HDC1700 (JN)  | 30001 and Higher |
| HDC1700 (SY)  | 10001 and Higher |

**CAUTION**

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**CAUTION**

The use of optical instruments with this product will increase eye hazard.

CLASS 1 LASER PRODUCT  
LASER KLASSE 1 PRODUKT  
LUOKAN 1 LASERLAITE  
KLASS 1 LASER APPARAT

This HD COLOR CAMERA is classified as a CLASS 1 LASER PRODUCT.

### 注意

指定以外の電池に交換すると、破裂する危険があります。  
必ず指定の電池に交換してください。  
使用済みの電池は、国または地域の法令に従って  
処理してください。

### CAUTION

Danger of explosion if battery is incorrectly replaced.  
Replace only with the same or equivalent type recommended by the manufacturer.  
When you dispose of the battery, you must obey the law in the relative area or country.

### ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.  
Lorsque vous mettez la batterie au rebut, vous devez respecter la législation en vigueur dans le pays ou la région où vous vous trouvez.

### VORSICHT

Explosionsgefahr bei Verwendung falscher Batterien. Batterien nur durch den vom Hersteller empfohlenen oder einen gleichwertigen Typ ersetzen.  
Wenn Sie die Batterie entsorgen, müssen Sie die Gesetze der jeweiligen Region und des jeweiligen Landes befolgen.

### FÖRSIKTIGHET!

Fara för explosion vid felaktigt placerat batteri.  
Byt endast mot samma eller likvärdig typ av batteri, enligt tillverkarens rekommendationer.  
När du kasserar batteriet ska du följa rådande lagar för regionen eller landet.

### PAS PA

Fare for eksplosion, hvis batteriet ikke udskiftes korrekt.  
Udskift kun med et batteri af samme eller tilsvarende type, som er anbefalet af fabrikanten.  
Når du bortskaffer batteriet, skal du følge lovgivningen i det pågældende område eller land.

### HUOMIO

Räjähdyksvaara, jos akku vaihdetaan virheellisesti. Vaihda vain samanlaiseen tai vastaavatyypiseen, valmistajan suosittelemaan akkuun.  
Noudata akun hävittämisesssä oman maasi tai alueesi lakeja.

### FORSIKTIG

Eksplosjonsfare hvis feil type batteri settes i.  
Bytt ut kun med samme type eller tilsvarende anbefalt av produsenten.  
Kasser batteriet i henhold til gjeldende avfallsregler.

### 注意

如果更换的电池不正确，就会有爆炸的危险。  
只更换同一类型或制造商推荐的电池型号。  
处理电池时，必须遵守相关地区或国家的法律。



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# Manual Structure

## Purpose of this manual

This manual describes the information items that premise the service based on the components parts assuming use of system and service engineers.

## Related manuals

The following manuals are available in this model.

If this manual is required, please contact your local Sony Sales Office/Service Center.

- Operation Manual (Supplied with this unit)

This manual is necessary for application and operation of this unit.

## Schematic diagrams, board layouts and spare parts

Following boards cannot be replaced on the board-level service or part-level service. So schematic diagrams, board layouts and spare parts are not described in this manual.

- SE-1093 board





# Section 1

## Service Overview

### 1-1. Checking before Installation

#### 1-1-1. Checking the ROM and Software Version

When connecting the peripheral equipment in the list below to this unit, be sure to check that the ROM and software version on each peripheral device is corresponding to the camera to be connected.

If the ROM and software version is lower than the specified below, be sure to perform ROM replacement and updating the software.

If ROM replacement and updating the software are required, contact your local Sony Sales Office/Service Center.

---

#### ROM

| Peripheral Equipment | Board Name                  | Ref. No. | ROM Version          |
|----------------------|-----------------------------|----------|----------------------|
| CNU-700              | AT-89 board or AT-89A board | IC4, IC5 | Ver. 1.30 and higher |

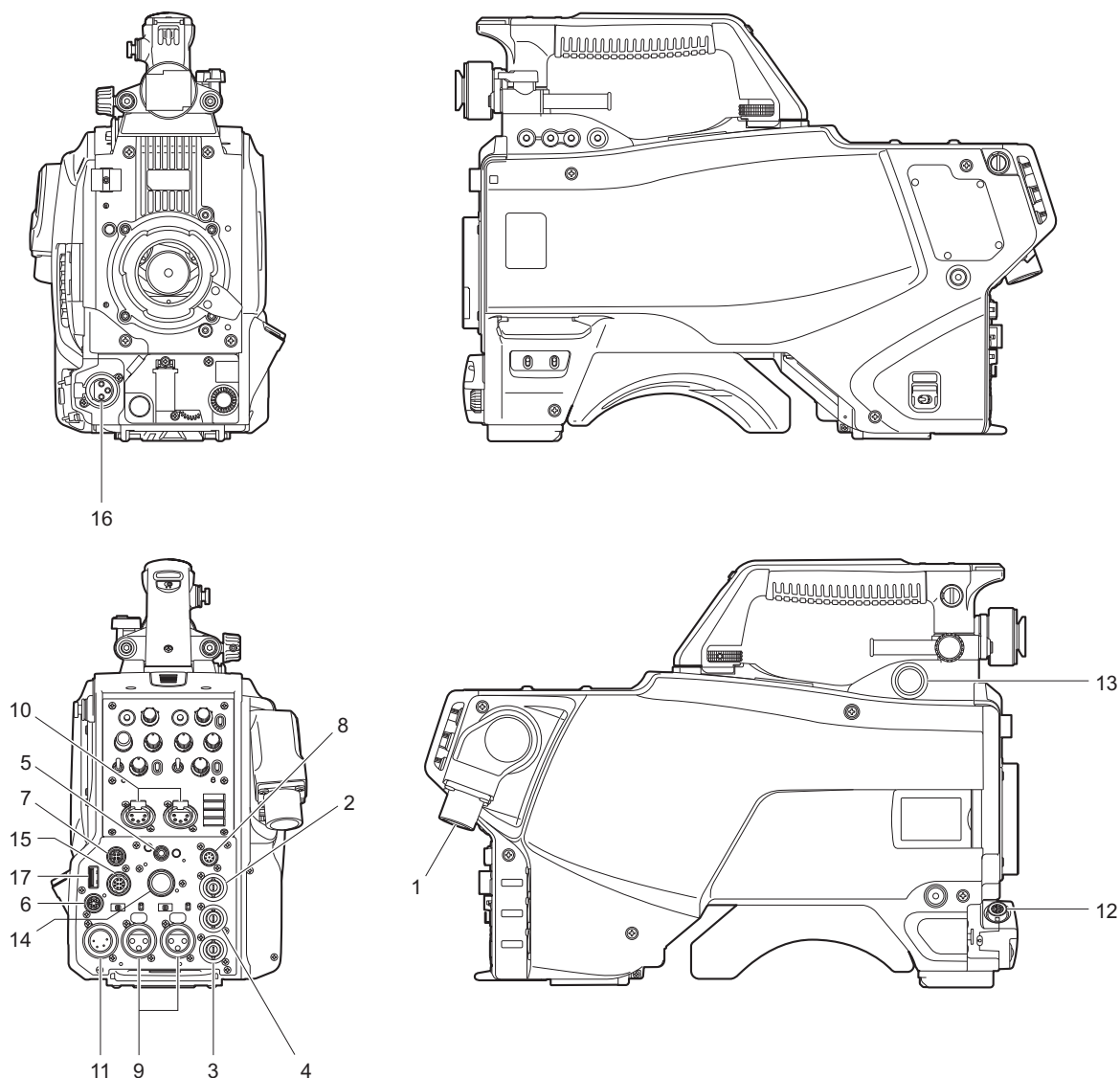
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#### Software

| Peripheral Equipment | Board Name    | Software Version     |
|----------------------|---------------|----------------------|
| RCP-920/921          | MPU-143 board | Ver. 1.11 and higher |
| RCP-1000/1001        | MPU-152 board | Ver. 2.00 and higher |
| RCP-1500/1501/1530   | MPU-153 board | Ver. 2.00 and higher |
| HDCU1000/1500        | AT-167 board  | Ver. 1.21 and higher |
| HDCU2000/2500        | AT-167A board | Ver. 1.10 and higher |
| MSU-900/950          | CPU-396 board | Ver. 1.21 and higher |
| MSU-1000             | MPU-150 board | Ver. 2.00 and higher |
| MSU-1500             | MPU-151 board | Ver. 2.00 and higher |

## 1-2. Connectors and Cables

### 1-2-1. Connector Input/Output Signals



#### Input/Output Signals

##### 1. CCU

BTA S-004A/005A/006A compliant, 1.485 Gbps, Serial

##### 2. PROMPTER/GENLOCK

BNC type 75  $\Omega$ , 1.0 V p-p

##### 3. SDI-MONI

HD SDI signal or SD SDI signal

BTA-S004 compliant

BNC 型 75  $\Omega$ , 1.0 V p-p

##### 4. TEST OUT

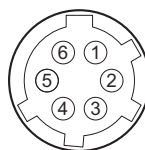
BNC type 75  $\Omega$ , 1.0 V p-p

##### 5. EARPHONE

Stereo mini jack

##### 6. RET CTRL

6-pin, Female

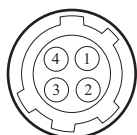


- External View -

| No. | Signal                | I/O | Specifications                                       |
|-----|-----------------------|-----|------------------------------------------------------|
| 1   | INCOM 1<br>MIC-ON/OFF | IN  | $Z_i \geq 10\text{ k}\Omega$<br>ON: GND<br>OFF: OPEN |
| 2   | INCOM 2<br>MIC-ON/OFF | IN  | $Z_i \geq 10\text{ k}\Omega$<br>ON: GND<br>OFF: OPEN |
| 3   | GND                   | —   | —                                                    |
| 4   | RET 3-<br>ON/OFF      | IN  | $Z_i \geq 10\text{ k}\Omega$<br>ON: GND<br>OFF: OPEN |
| 5   | RET 1-<br>ON/OFF      | IN  | $Z_i \geq 10\text{ k}\Omega$<br>ON: GND<br>OFF: OPEN |
| 6   | RET 2-<br>ON/OFF      | IN  | $Z_i \geq 10\text{ k}\Omega$<br>ON: GND<br>OFF: OPEN |

## 7. DC OUT

4-pin, Female

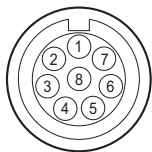


- External View -

| No. | Signal    | I/O | Specifications         |
|-----|-----------|-----|------------------------|
| 1   | UNREG GND | —   | GND for power          |
| 2   | NC        | —   | No connection          |
| 3   | NC        | —   | No connection          |
| 4   | UNREG     | OUT | +12 V dc, 500 mA (max) |

## 8. REMOTE

8-pin, Female



- External View -

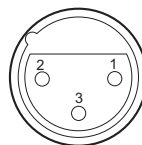
| No. | Signal                                                                                                  | I/O | Specifications                                                                                                   |
|-----|---------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------|
| 1   | <ul style="list-style-type: none"> <li>TX (X): for RCP</li> <li>TX1 (+): for TRUNK (RS-422A)</li> </ul> | OUT | <ul style="list-style-type: none"> <li>SERIAL DATA OUT: for RCP</li> <li>TRUNK1 DATA OUT: for RS-422A</li> </ul> |
| 2   | <ul style="list-style-type: none"> <li>TX (Y): for RCP</li> <li>TX1 (-): for TRUNK (RS-422A)</li> </ul> | OUT |                                                                                                                  |

Continued

| No. | Signal                                                                                                  | I/O | Specifications                                                                                                 |
|-----|---------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------|
| 3   | <ul style="list-style-type: none"> <li>RX (X): for RCP</li> <li>RX1 (+): for TRUNK (RS-422A)</li> </ul> | IN  | <ul style="list-style-type: none"> <li>SERIAL DATA IN: for RCP</li> <li>TRUNK1 DATA IN: for RS-422A</li> </ul> |
| 4   | <ul style="list-style-type: none"> <li>RX (Y): for RCP</li> <li>RX1 (-): for TRUNK (RS-422A)</li> </ul> | IN  |                                                                                                                |
| 5   | TX-GND                                                                                                  | —   | GND for TX                                                                                                     |
| 6   | UNREG-OUT                                                                                               | OUT | UNREG +10.5 V to +17 V dc, 200 mA (max)                                                                        |
| 7   | UNREG-GND                                                                                               | —   | GND for UNREG-OUT                                                                                              |
| 8   | RCP-PIX: for RCP                                                                                        | OUT | 75 $\Omega$ , 1.0 V p-p (SD Video)                                                                             |
|     | CHASSIS GND: for TRUNK (RS-422A)                                                                        | —   | CHASSIS GND                                                                                                    |

## 9. AUDIO IN CH1/CH2

XLR 3-pin, Female



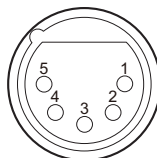
- External View -

(0 dBu = 0.775 Vrms)

| No. | Signal        | I/O | Specifications                                                                            |
|-----|---------------|-----|-------------------------------------------------------------------------------------------|
| 1   | AUDIO 1/2 (G) | —   | -60 dBu, -50 dBu,<br>-40 dBu, -30 dBu,<br>-20 dBu selectable, High<br>impedance, Balanced |
| 2   | AUDIO 1/2 (X) | IN  |                                                                                           |
| 3   | AUDIO 1/2 (Y) | IN  |                                                                                           |

## 10. INTERCOM 1, 2

XLR 5-pin, Female



- External View -

(0 dBu = 0.775 V rms)

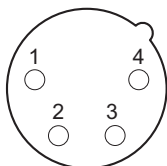
| No. | Signal          | I/O | Specifications                                                                                                    |
|-----|-----------------|-----|-------------------------------------------------------------------------------------------------------------------|
| 1   | EXT-INCOM-T (Y) | IN  | <ul style="list-style-type: none"> <li>-20 dBu: Carbon microphone</li> <li>-60 dBu: Dynamic microphone</li> </ul> |

Continued

| No. | Signal              | I/O | Specifications |
|-----|---------------------|-----|----------------|
| 2   | EXT-INCOM-T (X)     | IN  |                |
| 3   | GND                 | —   | GND            |
| 4   | EXT-INCOM-LEFT (X)  | OUT | 0 dBu          |
| 5   | EXT-INCOM-RIGHT (X) | OUT |                |

## 11. DC IN

XLR 4-pin, Male



- External View -

| No. | Signal     | I/O | Specifications     |
|-----|------------|-----|--------------------|
| 1   | EXT_DC (C) | —   | GND for DC (+)     |
| 2   | NC         | —   | No connection      |
| 3   | NC         | —   | No connection      |
| 4   | EXT_DC (H) | IN  | +10.5 V to 17 V dc |

## 12. LENS

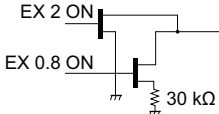
12-pin, Female



- External View -

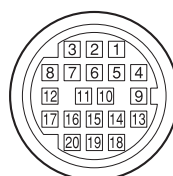
| No. | Signal           | I/O | Specifications                                                                               |
|-----|------------------|-----|----------------------------------------------------------------------------------------------|
| 1   | RET VIDEO ENABLE | IN  | <ul style="list-style-type: none"> <li>ENABLE: 0 V</li> <li>DISABLE: +5 V or OPEN</li> </ul> |
| 2   | VTR CTL          | IN  | <ul style="list-style-type: none"> <li>ENABLE: 0 V</li> <li>DISABLE: +5 V or OPEN</li> </ul> |
| 3   | GND              | —   | GND for UNREG                                                                                |
| 4   | SERVO MA/AT      | OUT | <ul style="list-style-type: none"> <li>AUTO: +5 V</li> <li>MANU: 0 V or OPEN</li> </ul>      |
| 5   | IRIS POSITION    | OUT | +3.4 V (F16) to +6.2 V (F2.8)                                                                |
| 6   | UNREG            | OUT | +10.5 V to +17 V                                                                             |
| 7   | IRIS POSITION    | IN  | +3.4 V (F16) to +6.2 V (F2.8)                                                                |
| 8   | IRIS AT/MA       | OUT | <ul style="list-style-type: none"> <li>AUTO IRIS: 0 V</li> <li>MANUAL IRIS: +5 V</li> </ul>  |

Continued

| No. | Signal               | I/O | Specifications                                                                                                                                                                                                           |
|-----|----------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9   | EXTENDER ON/OFF      | IN  | <ul style="list-style-type: none"> <li>EX 2 ON: GND</li> <li>EX 0.8 ON: 30 k<math>\Omega</math> to GND</li> <li>OFF: OPEN</li> </ul>  |
| 10  | ZOOM POSITION        | IN  | <ul style="list-style-type: none"> <li>WIDE: 2 V</li> <li>TELE: 7 V</li> </ul>                                                                                                                                           |
| 11  | FOCUS POSI (LENS RX) | IN  | <ul style="list-style-type: none"> <li><math>\infty</math>: 7 V</li> <li>min.: 2 V</li> </ul>                                                                                                                            |
| 12  | FOCUS POSI (LENS TX) | OUT | —                                                                                                                                                                                                                        |

## 13. VF

20-pin, Female

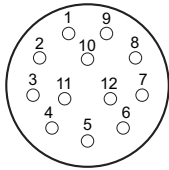


- External View -

| No. | Signal    | I/O    | Specifications                         |
|-----|-----------|--------|----------------------------------------|
| 1   | S-DATA    | IN/OUT | TTL level                              |
| 2   | NC        | —      | No connection                          |
| 3   | NC        | —      | No connection                          |
| 4   | SCK       | OUT    | TTL level                              |
| 5   | NC        | —      | No connection                          |
| 6   | NC        | —      | No connection                          |
| 7   | NC        | —      | No connection                          |
| 8   | G TALLY   | OUT    | ON : 5 V<br>OFF : GND                  |
| 9   | NC        | —      | No connection                          |
| 10  | NC        | —      | No connection                          |
| 11  | NC        | —      | No connection                          |
| 12  | Y VIDEO   | OUT    | 1.0 V p-p,<br>$Z_o = 75 \Omega$        |
| 13  | VIDEO GND | —      | GND for VIDEO                          |
| 14  | Pb VIDEO  | OUT    | $\pm 0.35$ V p-p,<br>$Z_o = 75 \Omega$ |
| 15  | Pr VIDEO  | OUT    | $\pm 0.35$ V p-p,<br>$Z_o = 75 \Omega$ |
| 16  | NC        | —      | No connection                          |
| 17  | R TALLY   | OUT    | ON : 5 V<br>OFF : GND                  |
| 18  | NC        | —      | No connection                          |
| 19  | UNREG GND | —      | GND for UNREG                          |
| 20  | UNREG     | OUT    | +10.5 V to +17 V                       |

## 14. CRANE

12-pin, Female

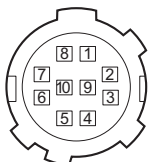


- External View -

| No. | Signal                                                                                           | I/O        | Specifications                        |
|-----|--------------------------------------------------------------------------------------------------|------------|---------------------------------------|
| 1   | Pr VIDEO (X)                                                                                     | OUT        | $\pm 0.35$ V p-p,<br>$Z_o = 75\Omega$ |
| 2   | Pb VIDEO (X)                                                                                     | OUT        | $\pm 0.35$ V p-p,<br>$Z_o = 75\Omega$ |
| 3   | NC                                                                                               | —          | No connection                         |
| 4   | <ul style="list-style-type: none"> <li>TX0 (+): for RS-422A</li> <li>TX1: for RS-232C</li> </ul> | OUT        | TRUNK data out                        |
| 5   | <ul style="list-style-type: none"> <li>TX0 (-): for RS-422A</li> <li>TX0: for RS-232C</li> </ul> | OUT        |                                       |
| 6   | <ul style="list-style-type: none"> <li>RX0 (-): for RS-422A</li> <li>RX0: for RS-232C</li> </ul> | IN         | TRUNK data in                         |
| 7   | <ul style="list-style-type: none"> <li>RX0 (+): for RS-422A</li> <li>RX1: for RS-232C</li> </ul> | IN         |                                       |
| 8   | GND (VIDEO)                                                                                      | —          | GND for VIDEO                         |
| 9   | Y VIDEO (X)                                                                                      | OUT        | 1.0 V p-p,<br>$Z_o = 75\Omega$        |
| 10  | GND                                                                                              | —          | GND for SCL/SDA                       |
| 11  | SCL EXT-VF                                                                                       | OUT        | TTL level                             |
| 12  | SDA EXT-VF                                                                                       | IN/<br>OUT | TTL level                             |

## 15. TRACKER

10-pin, Female

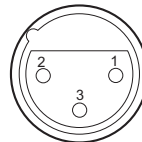


- External View -

| No. | Signal                   | I/O | Specifications                                           |
|-----|--------------------------|-----|----------------------------------------------------------|
| 1   | TRACKER LEFT             | OUT | TRACKER RE-CEIVE/<br>PGM -20 dBu unbalanced              |
| 2   | GND (TALK)               | —   | GND for TRACKER TALK                                     |
| 3   | GND (RECEIVE/<br>PGM/TL) | —   | GND for RECEIVE/PGM/TL                                   |
| 4   | TRACKER RIGHT            | OUT | TRACKER RE-CEIVE/<br>PGM -20 dBu unbalanced              |
| 5   | UNREG                    | OUT | +12 V (+10.5 to +17.0 V)                                 |
| 6   | GND (UNREG)              | —   | GND for UNREG                                            |
| 7   | TRACKER TALK (X)         | IN  | TRACKER TALK 0 dBu /<br>-20 dBu, High impedance balanced |
| 8   | TRACKER TALK (Y)         | IN  |                                                          |
| 9   | G TALLY                  | OUT | ON: GND<br>OFF: High impedance (Open collector)          |
| 10  | R TALLY                  | OUT | ON: GND<br>OFF: High impedance (Open collector)          |

## 16. MIC 1 IN

XLR 3-pin, Female



- External View -

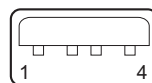
(0 dBu = 0.775 Vrms)

| No. | Signal    | I/O | Specifications                                                                         |
|-----|-----------|-----|----------------------------------------------------------------------------------------|
| 1   | MIC 1 (G) | —   | -60 dBu, -50 dBu,<br>-40 dBu, -30 dBu,<br>-20 dBu selectable, High impedance, Balanced |
| 2   | MIC 1 (X) | IN  |                                                                                        |
| 3   | MIC 1 (Y) | IN  |                                                                                        |

## 17. USB

USB (Series A), 4-pin

Signal standard: USB standard Ver. 2.0

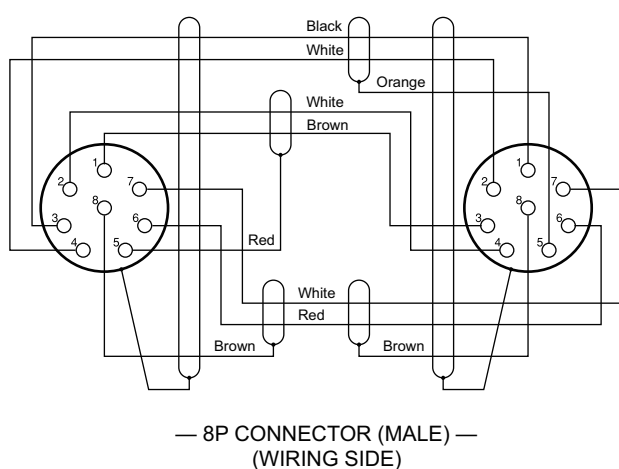


- External View -

| No. | Signal | I/O        | Specifications |
|-----|--------|------------|----------------|
| 1   | VBUS   | OUT        | USB Vcc (+5 V) |
| 2   | D+     | IN/<br>OUT | USB+           |
| 3   | D-     | IN/<br>OUT | USB-           |
| 4   | GND    | —          | GND            |

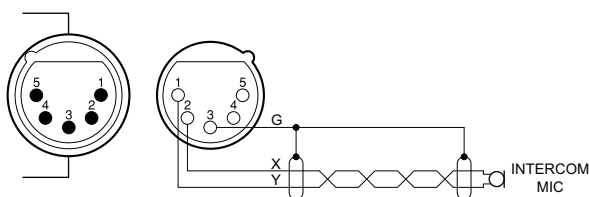
## 1-2-2. Wiring Diagrams for Cables

### CCA-5 Cable (for REMOTE connector)

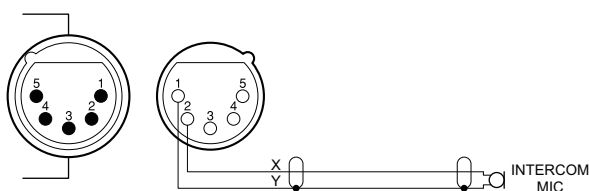


### INTERCOM MIC Cable

1. Balance (HEAD SET menu UNBAL: OFF)



2. Unbalance (HEAD SET menu UNBAL: ON)



## 1-2-3. Connection Connectors/Cables

Connection made with the connector panels during installation or service, should be made with the connectors/complete cable assemblies specified in the following list, or equivalent parts.

| Connector Name                                                                                                    | Connector/Cable                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>SDI-MONI</li> <li>TEST OUT</li> <li>PROMPTER/GENLOCK (BNC type)</li> </ul> | Plug, BNC (Part No.: 1-569-370-12) or 5C-FB coaxial cable/Recommendation made by Fujikura                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>AUDIO IN CH1/CH2</li> <li>MIC 1 IN (XLR type 3-pin, Female)</li> </ul>     | XLR, 3-Pin Male (Part No.: 1-508-084-00) or ITT Cannon XLR-3-12C or equivalent                                                                                                                                                                        |
| RET CTRL (6-pin, Female)                                                                                          | Plug, 6-Pin Male (Part No.: 1-560-078-00) or HIROSE HR10-7PA-6P or equivalent                                                                                                                                                                         |
| DC OUT (4-pin, Female)                                                                                            | Plug, 4-Pin Male (Part No.: 1-566-425-11) or HIROSE HR10A-7P-4P or equivalent                                                                                                                                                                         |
| DC OUT (2-pin, Female)                                                                                            | Power tap (OE) ANTONBAUER 33710 or equivalent                                                                                                                                                                                                         |
| INTERCOM 1/2 (XLR type 5-pin, Female)                                                                             | XLR, 5-Pin Male (Part No.: 1-508-370-11) or ITT Cannon XLR-5-12C or equivalent                                                                                                                                                                        |
| DC IN (XLR type 4-pin, Male)                                                                                      | XLR, 4-Pin Female (Part No.: 1-508-362-00) or ITT Cannon XLR-4-11C or equivalent, or Cable assembly 1-551-577-00 (Supplied with AC-550)                                                                                                               |
| CRANE (12-pin, Female)                                                                                            | Connector, Round Type 12-Pin (Part No.: 1-819-261-11)                                                                                                                                                                                                 |
| REMOTE (8-pin, Female)                                                                                            | <ul style="list-style-type: none"> <li>Plug, 8-Pin Male (Part No.: 1-766-848-11) or CCA-5 cable assembly (CCA-5-10 (10 m)/CCA-5-3 (3 m)) (optional)*1*2</li> <li>REMOTE cable (Part No.: 1-783-372-11) (supplied with RM-B150, 10 m)*1*2*3</li> </ul> |
| TRACKER (10-pin, Female)                                                                                          | Connector, Round Type 10-Pin (Part No.: 1-506-522-12)                                                                                                                                                                                                 |

## 1-2-4. Note in Connecting CCU Connector

It is recommendable to clean the optical contact portions mentioned below before connecting this unit to the camera control unit.

- CCU connector of this unit
- Camera connector of the camera control unit
- Optical/Electrical cable

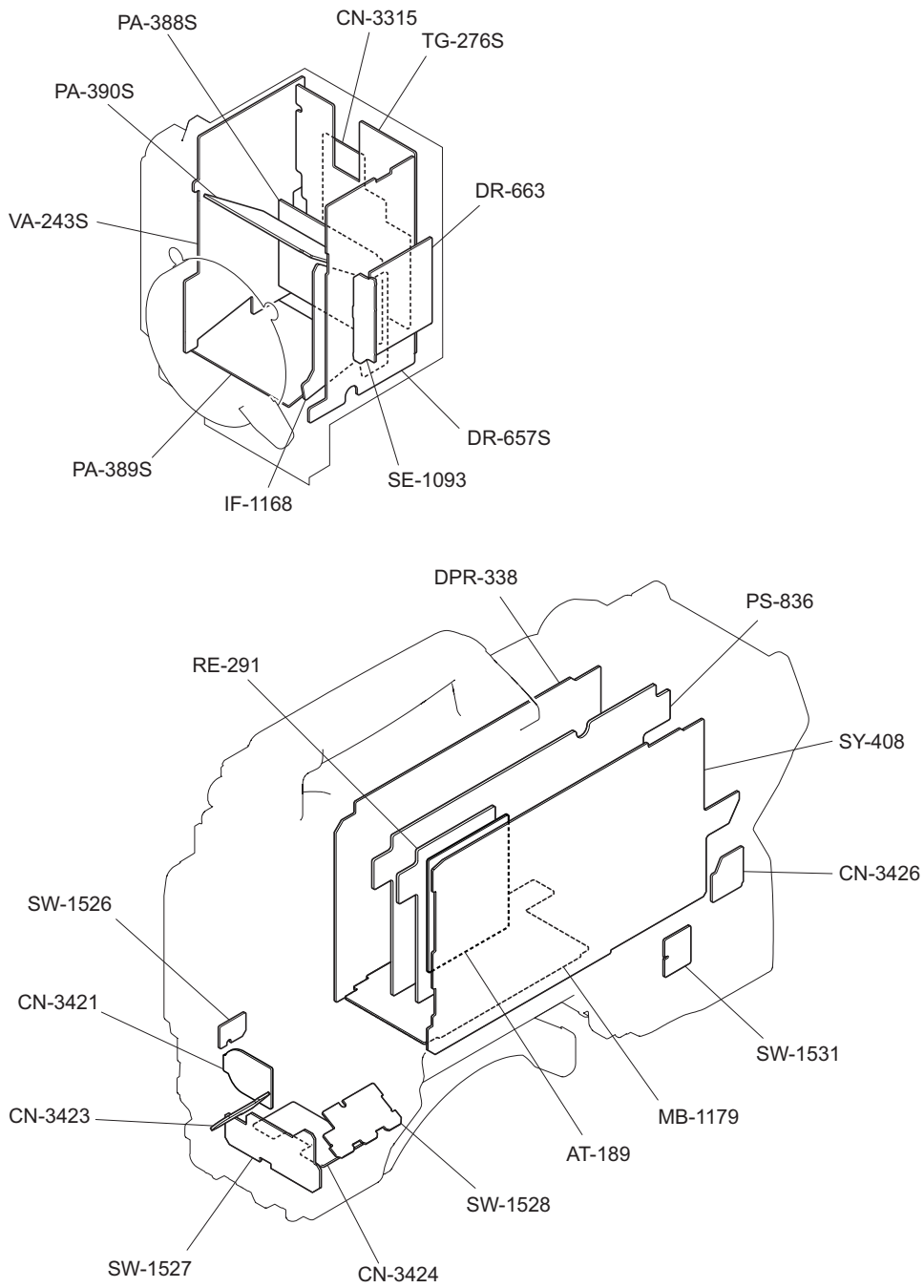
For details on a cleaning method, refer to “1-8. Cleaning of Connector/Cable”.

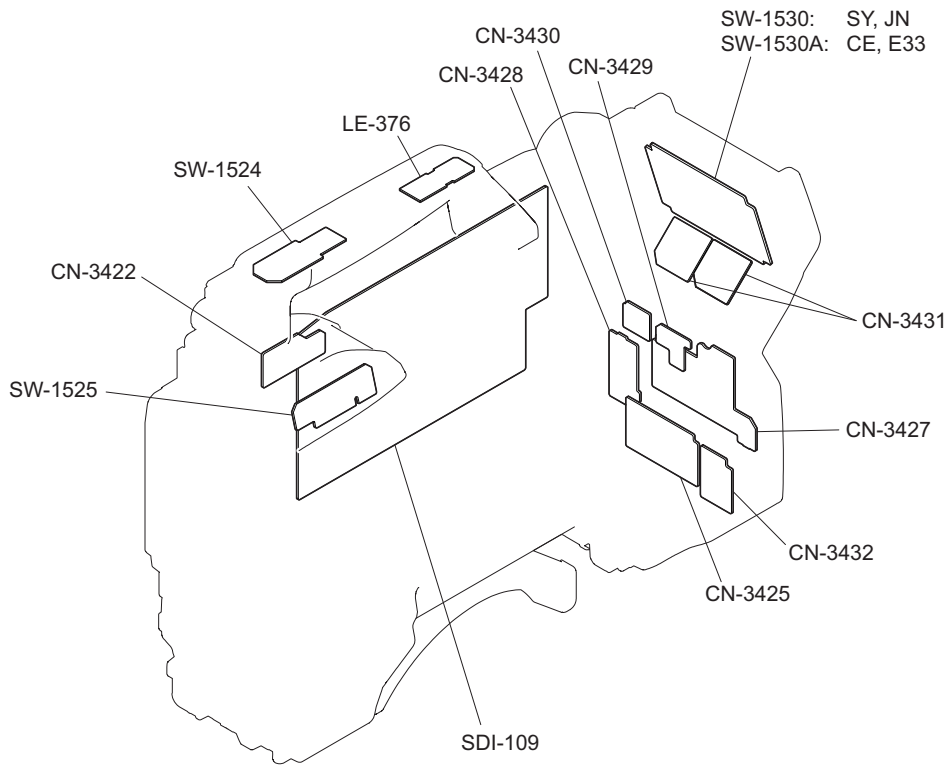
\*1: The pin 8 of CCA-5 cable is GND (ground). The pin 8 of REMOTE cable is not GND (ground).

\*2: Use of REMOTE cable enables to monitor video signals. (The pin 8 is available for the video signal line.) The down-converted SD signal is output.

\*3: If using a cable of length different from a standard product, contact your local Sony Sales Office/Service Center.

### 1-3. Location of Printed Circuit Boards







## **1-4. Circuit Description**

### **1-4-1. Optical System (OHB Block)**

---

#### **PA-388S/389S/390S Board**

These boards bias CCD for necessary DC. The two-phase output from the CCD is transferred to the amplifier and then receives the CDS signal processing. Then the processed signal is sent to the VA-243S board.

---

#### **VA-243S Board**

This board converts the differential signal from the PA-388S, PA-389S, and PA-390S boards to single-end signal and sends it to the DPR-338 board.

This board contains a 148 MHz VCXO and a high-speed pulse circuit for driving the correlated double sampling (CDS) IC.

---

#### **DR-657S Board**

This board contains a CCD drive vertical driver, a shutter pulse driver, and a VH<sup>\*1</sup> driver.

This board generates CCD-specific Vsub voltage and supplies it to the CCD.

---

#### **TG-276S Board**

This board synchronizes signals with the PLL-H signal from the DPR-338 board and generates CCD drive pulse and CDS drive high-speed pulse.

Adjustment data and defect correction data of the CCD block are memorized in the EEPROM (IC214) on the TG-276S board.

### **1-4-2. Signal Processing/Transmission System**

---

#### **DPR-338 Board**

This board converts analog R/G/B signals that are input from the CCD block to digital signals, and camera process processing and enhanced processing such as Knee and Gamma processing are performed for the digital signals in the camera signal processor LSI.

Then the digital signals are down-converted to SD signals and signals for the viewfinder are generated by the subsequent PLD (IC601).

Output digital signals are sent to the SDI-109 board and are then transmitted to the camera control unit.

---

#### **SDI-109 Board**

The SDI-109 board multiplexes the main-line video signal LINK-A (that multiplexes digital audio signal with command on the DPR-338 board) with the main-line video signal LINK-B or the HD TRUNK video signal. This multiplexed signal is converted to a serial optical signal by the parallel/serial converter and the electrical/optical converter. Then the converted serial optical signal is sent to the camera control unit.

---

\*1: The CCD transfers signal charges with a pulse signal that has two different voltage levels. VH shows the high-side voltage level.

Furthermore, this board converts the serial optical signal of return video that is sent from the camera control unit to a parallel electrical signal. Then the HD prompter video signal and the analog prompter video signal that are multiplexed with the return video are separated from each other, and the return video signal (that multiplexes audio signal and command) is sent to the DPR-338 board.

### **1-4-3. System Control System**

---

#### **SY-408 Board**

The SY-408 board consists of a CPU (IC1001) and peripheral devices that provide an interface circuit, synchronizing separator circuit, video amplifier circuit, and audio circuit.

---

#### **AT-189 Board**

This board consists of a system control microcomputer (IC200) and a peripheral circuit necessary for the operation of IC200.

The main program is programmed in the flash memory (IC401) on the AT-189 board.

---

#### **MB-1179 Board**

The MB-1179 board is the motherboard of this unit. This board contains interface connectors to be connected to other boards, inductors for power filters on each board, capacitors, and positive thermistors (overcurrent protection device).

---

#### **IF-1168 Board**

This board relays signals between PA-388S/389S/390S boards and the DR-657S board.

This board contains four connectors for connection to the following board.

- CN1: Connected to the DR-657S board
- CN2: Connected to the PA-390S board
- CN3: Connected to the PA-389S board
- CN4: Connected to the PA-388S board

## 1-5. Notes on Board Replacing

### 1-5-1. Description on EEPROM Data

The table below gives the stored data of EEPROM (FRAM) on every printed circuit board.

| Board   | Ref. No.     | Stored Data                                |
|---------|--------------|--------------------------------------------|
| TG-276S | IC214        | CCD adjustment data, RPN compensation data |
| SY-408  | IC404, IC405 | Paint data etc.                            |

- When the replacement is needed, remove the IC attached to the former board and replace it to the new board.
- The IC listed above cannot be replaced with a new one because it is the EEPROM that is the storing data inherent in the board.

The part number listed in “[6. Spare Parts](#)” is for EEPROM which is not programmed. If replacement is needed, contact your local Sony Sales Office/Service Center.

### 1-5-2. Adjustment and Setting Required when Replacing the SY-408 Board

Camera setting status and files are stored in the SY-408 board. When the SY-408 board is replaced, contents of the reference file, scene file, lens file, and operator file are lost. Store these files in a USB drive and then replace the SY-408 board.

The content of the OHB file stored in the OHB assembly is not lost.

---

#### Procedure

1. Store the reference file, scene file, and operator file in a USB drive.
  - Reference file (Refer to “[4-5. Reference File](#)”)
  - Scene file (Refer to “[4-4. Scene File](#)”)
  - Operator file (Refer to “[4-2. Operator File](#)”)
2. Replace the SY-408 board. (Refer to “[2-8-1. SY-408 Board/AT-189 Board](#)”)
3. Upgrade the software to the latest version. (Refer to “[1-10. Upgrading Software Programs](#)”)
4. Execute REFERENCE (ALL) on the FILE CLEAR page of the FILE menu. (Refer to “[4-5. Reference File](#)”)

|             |
|-------------|
| <b>Note</b> |
|-------------|

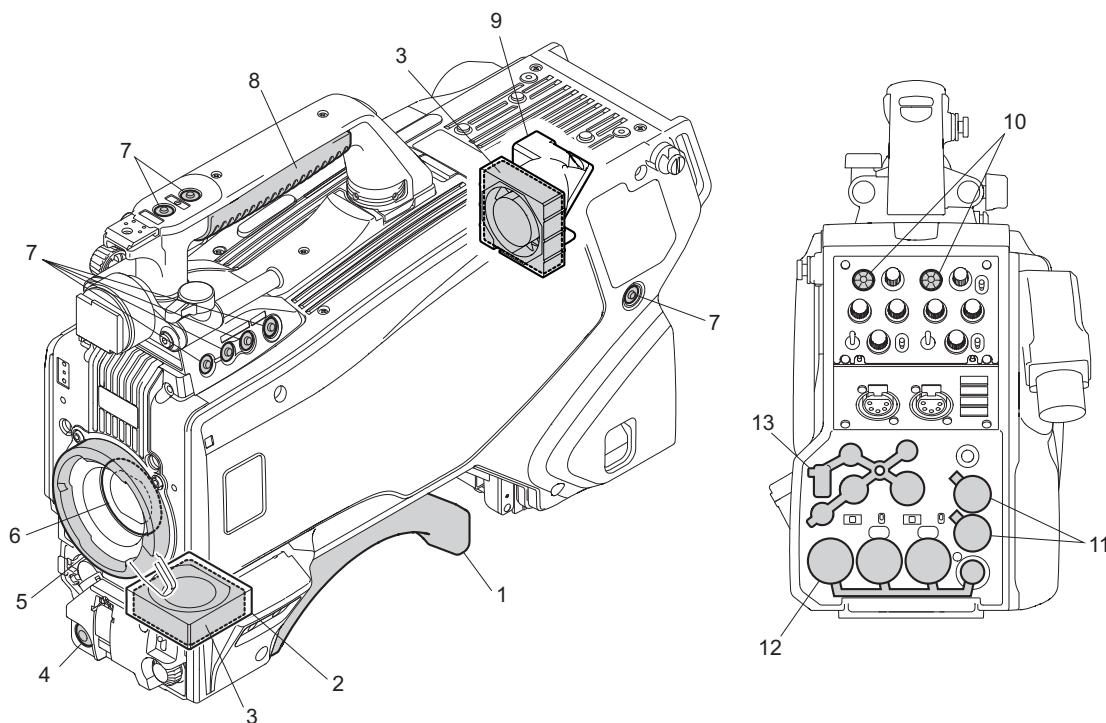
Unless REFERENCE (ALL) is executed, the intercom operation panel may not function correctly.

5. Execute STORE FILE on the REFERENCE page of the FILE menu. (Refer to “[4-5. Reference File](#)”)
6. Execute the auto-adjustment. (Refer to “[3-2. Automatic Adjustment](#)”)
7. Load the reference file, scene file, and operator file stored in the USB drive in step 1.
  - Reference file (Refer to “[4-5. Reference File](#)”)
  - Scene file (Refer to “[4-4. Scene File](#)”)
  - Operator file (Refer to “[4-2. Operator File](#)”)
8. Execute AUTO LEVEL on the AUTO SETUP page of the MAINTENANCE menu. (Refer to “[4-5. Reference File](#)”)

## 1-6. Periodic Maintenance and Inspection

### 1-6-1. Recommended Replacement Parts

This section describes the recommended replacement parts and recommended replacement time.

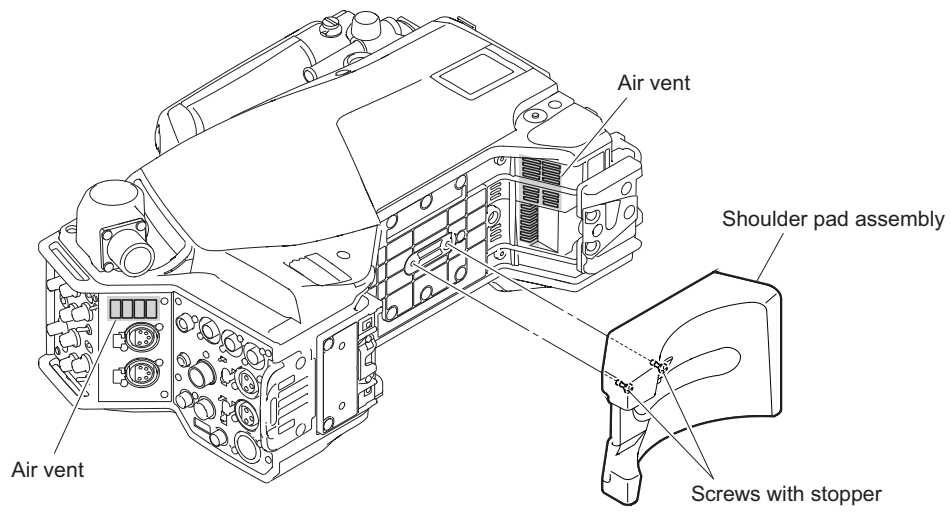


| No. | Name                             | Part No.       | Recommended Replacement Timing                                                                                                                         |
|-----|----------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Shoulder Pad Assembly            | A-8286-163-C   | Check for deformation and deterioration (abraded or damaged or lost) from time to time. Replace it as necessary.                                       |
|     | Shoulder Pad Assembly (Optional) | A-8286-346-A   |                                                                                                                                                        |
|     | Cushion                          | 3-796-945-01   |                                                                                                                                                        |
|     | DC Fan (40 square)               | △ 1-787-847-11 |                                                                                                                                                        |
| 2   | VTR Start button                 | 3-679-668-01   | Replace every 5 years.                                                                                                                                 |
| 3   | Bayonet Ring                     | 4-263-184-01   |                                                                                                                                                        |
| 4   | Optical Filter Unit              | 1-788-764-21   | It can become nebulous (in transparent and whitened) with elapse of time. Then it will not meet it the required characteristics. Replace it as needed. |
| 5   | SW Cover                         | 3-676-244-03   |                                                                                                                                                        |
| 6   | Glip                             | 4-138-676-01   | Check for deformation and deterioration (abraded or damaged or lost) from time to time. Replace it as necessary.                                       |
| 7   | Fan Duct                         | 4-293-493-01   |                                                                                                                                                        |
| 8   | SW Cover                         | 4-138-682-01   |                                                                                                                                                        |
| 9   | BNC Cap                          | 3-872-935-01   |                                                                                                                                                        |
| 10  | Rear Connector Cap 2             | 4-414-618-01   |                                                                                                                                                        |
| 11  | Rear Connector Cap 1             | 4-414-617-01   |                                                                                                                                                        |
| 12  |                                  |                |                                                                                                                                                        |
| 13  |                                  |                |                                                                                                                                                        |

### 1-6-2. Cleaning the Air Vents

Clogging of dust or foreign matters may cause a temperature increase inside the camera, which may result in a failure. Clean the air vents every two or three months.

1. Loosen the two screws with stopper, and remove the shoulder pad assembly.
2. Remove dust on the two air vent areas with a vacuum cleaner.



## 1-7. Replacing Lithium Battery

### 1-7-1. Note on Replacement of Lithium Battery

A lithium battery is mounted on the SY-408 board to back up the real time clock (RTC). If a battery comes to the lifetime, then RTC stops. Therefore, the battery must be replaced.

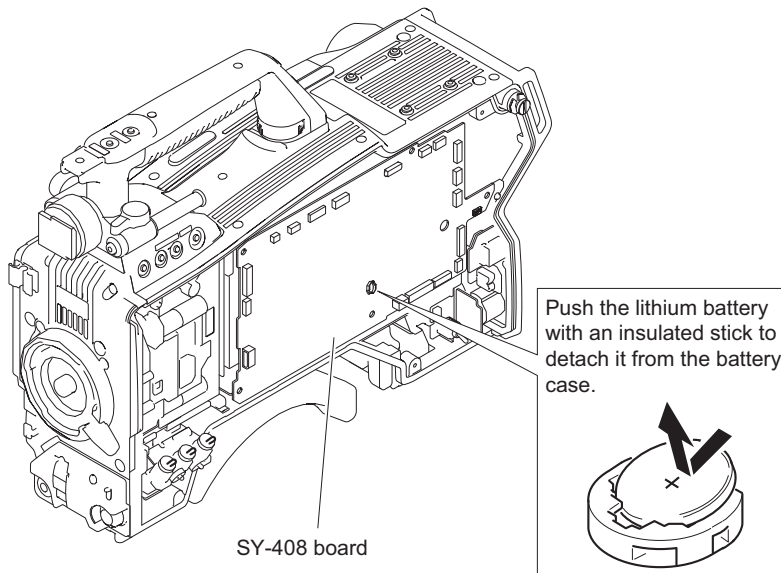
- SY-408 board/Lithium secondary battery (ML621 (U)): Sony Part No. △ 1-756-134-15

#### CAUTION

In replacing, ensure that the battery is installed with “+” and “-” poles connected to the correct terminals. Improper connection may cause an explosion or leakage of fluid, resulting in injury or damage to surrounding properties.

### 1-7-2. Replacing Procedure

1. Remove the two screws and remove the inside panel assembly. (Refer to “2-2. Inside Panel Assembly”)
2. Replace the lithium secondary battery (ML621 (U)) on SY-408 board.



#### Note

Be sure to use an insulating stick to remove the lithium secondary battery (ML621 (U)).

3. Attach the inside panel assembly by reversing the steps of removal.

## 1-8. Cleaning of Connector/Cable

The photo receptive condition of the optical connector can be checked at OPTICAL CONDITION indicator of the front panel of the camera control unit.

- When lit in green: Normal (-16 dBm and higher)
- When lit in yellow: Normal (-16 to -19 dBm)
- When lit in red: Abnormal (Less than -19 dBm)

When lit in red, be sure to clean the optical contact portions.

When lit in yellow, cleaning is recommended.

The attenuation of the photo-receptive level may cause transmission error between the camera and camera control unit.

In the case of attenuation, be sure to clean optical contact portions proceeding as follows.

The optical contact portion exists in the optical connector on the camera or camera control unit, and in the optical/electrical cables.

### 1-8-1. When the Optical Connector Cleaner (Commercially Available) is Available

---

#### Tools Required

- Optical connector cleaner (commercially available)
  - Product name: CLETOP<sup>®</sup>
  - 14100402 or 14100403 (stick type) or equivalent
  - 14100402: 2.0 mm
  - 14100403: 2.0/2.5 mm double ended

#### Notes

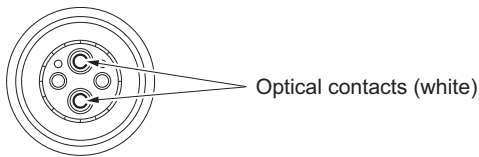
- Alcohol is not necessary during cleaning.
- Number of possible wipes is one cleaning per a piece. Do not reuse it.

---

#### Cleaning Procedure

##### Male connector

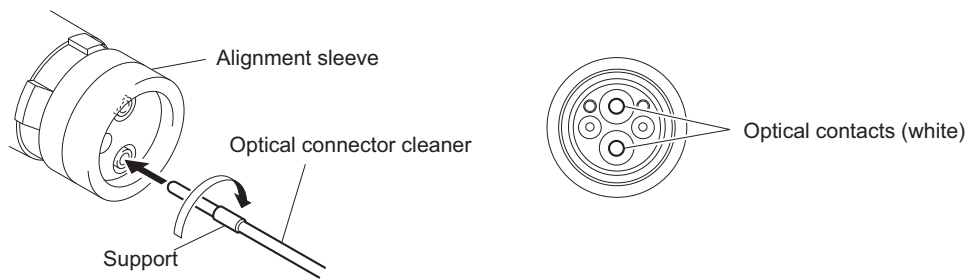
Clean the tip of the white optical contacts using the optical connector cleaner.



##### Female connector

1. Insert the optical connector cleaner straight. Ensure that it is held straight when inserting.
2. Apply sufficient pressure (approximately 600 g to 700 g) to ensure that the optical contact is a little depressed.

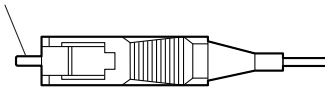
- While pressing the optical connector cleaner against the tip of the optical contact, rotate the optical connector cleaner by 4 to 5 turns clockwise. Holding the optical connector cleaner at around its support facilitates to apply the pressure.



## Connector

Clean the tip of the white optical contacts using the optical connector cleaner.

Optical contact (white)



## 1-8-2. When the Optical Connector Cleaner (Commercially Available) is not Available (Connectors/Cables of LEMO)

Clean the LEMO connectors and cables using the following procedure.

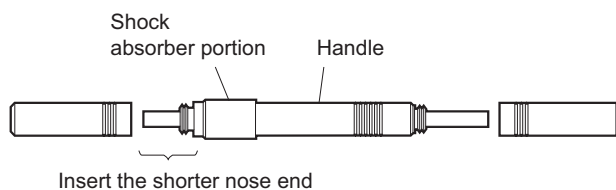
---

### Tools Required

- Alignment sleeve remover HC-001 (for female connector)  
Sony Part No. : J-6480-010-A or DCC.91.312.5LA manufactured by LEMO, or equivalent

#### Note

Insert the shorter nose end when removing/installing the alignment sleeve. Grasp not the shock absorber portion of the remover but the handle in use.



- Alcohol (commercially available)
- Cotton swabs (commercially available)

#### Note

Use a cotton swab whose diameter is about 4 mm. If a cotton swab whose diameter exceeds 5 mm is used, the cotton swab cannot be inserted into the end of the connector and the tip of the optical contact cannot be cleaned.

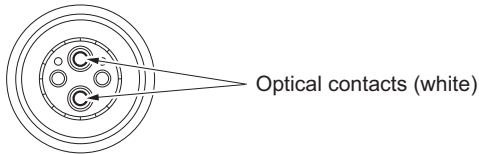


---

## Cleaning Procedure

### Male connector

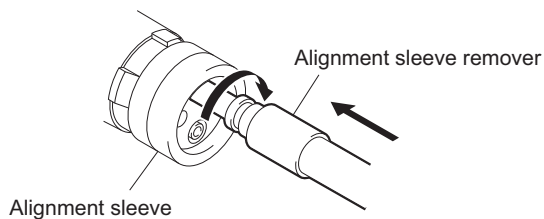
Clean the tip of the white optical contacts with a cotton swab moistened with alcohol.



### Female connector

The optical contacts for female connector are in an unexposed state. In cleaning, it is necessary to be exposed by removing the alignment sleeve in advance. Proceed as follows.

1. Insert the alignment sleeve remover into the alignment sleeve in the straight line and turn it clockwise

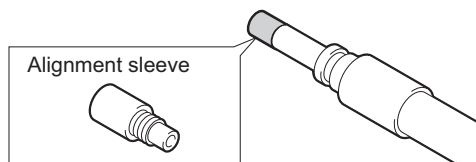


2. When the turn stops, pull out the remover in the straight line forcibly.

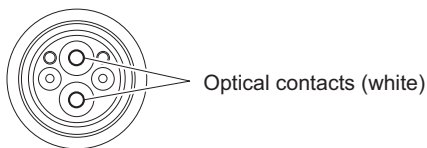
#### Note

The alignment sleeve can be removed/reinstalled with the sleeve itself attached to the tip of the remover. Great care should be taken so as not to lose or damage the alignment sleeve.

Alignment sleeve: Sony Part No. : 9-980-074-01



3. Clean the tip of the white optical contacts with a cotton swab moistened with alcohol.



4. Insert the remover with the alignment sleeve attached to its tip, and push it until it clicks.
5. Rotate the remover counterclockwise to install the alignment sleeve, and extract the remover.

### 1-8-3. When the Optical Connector Cleaner (Commercially Available) is not Available (Tajimi Electronics Co., Ltd.)

Clean the connectors and cables of Tajimi Electronics using the following procedure.

---

## Tools Required

- Alcohol (commercially available)

- Cotton swabs (commercially available)

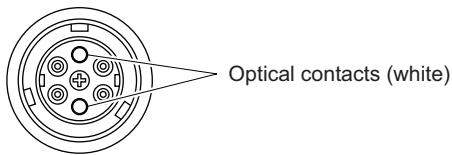
**Note**

Use a cotton swab whose diameter is about 4 mm. If a cotton swab whose diameter exceeds 5 mm is used, the cotton swab cannot be inserted into the end of the connector and the tip of the optical contact cannot be cleaned.

## Cleaning Procedure

### Male connector

Clean the tip of the white optical contacts with a cotton swab moistened with alcohol.



### Female connector

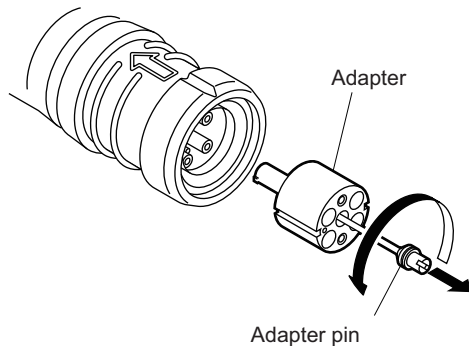
The optical contacts for female connector are in an unexposed state. In cleaning, it is necessary to be exposed by removing the adapter in the connector in advance. Proceed as follows.

1. Loosen the adapter pin at the center of the connector counterclockwise with a screwdriver.

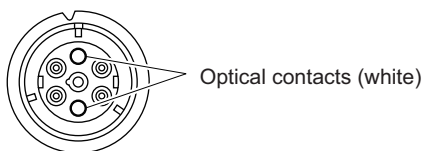
**Note**

If there is no screwdriver, use the plate attached to the connector cap.

2. Pull the adapter pin out of the connector in the arrow direction.



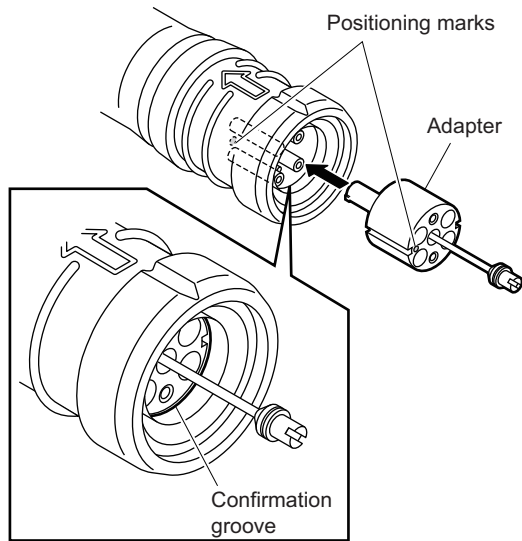
3. Clean the white optical contacts with a cotton swab moistened with alcohol.



4. Match the positioning marks of the adapter and the connector, and then push the adapter into the connector.

**Note**

Push the adapter until the confirmation groove comes in sight as shown in the figure.



5. Tighten the adapter pin clockwise until being lightly fixed.

**Note**

Do not fully tighten the adapter pin.

#### 1-8-4. When the Optical Connector Cleaner (Commercially Available) is not Available (Connector)

---

##### Tools Required

- Alcohol (commercially available)
- Cotton swabs (commercially available)

**Note**

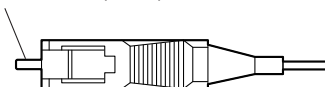
Use a cotton swab whose diameter is about 4 mm. If a cotton swab whose diameter exceeds 5 mm is used, the cotton swab cannot be inserted into the end of the connector and the tip of the optical contact cannot be cleaned.

---

##### Cleaning Procedure

Clean the tip of the white optical contacts with a cotton swab moistened with alcohol.

Optical contact (white)



## 1-9. Service Tools/Measuring Equipment List

### 1-9-1. Service Tools

| Part No.               | Name                                            | Usage/Note                                                                      |
|------------------------|-------------------------------------------------|---------------------------------------------------------------------------------|
| J-6029-140-B           | Pattern box PTB-500                             | Camera adjustment                                                               |
| J-6323-430-A           | Torque screwdriver's bit (M3)                   | Screw tightening                                                                |
| J-6325-110-A           | Torque screwdriver's bit (M1.4)                 | Screw tightening                                                                |
| J-6325-380-A           | Torque screwdriver's bit (M2)                   | Screw tightening                                                                |
| J-6325-400-A           | Torque screwdriver (3 kg•cm) (0.3•N m)          | Screw tightening                                                                |
| J-6252-510-A           | Torque screwdriver (6 kg•cm) (0.6•N m)          | Screw tightening                                                                |
| J-6252-520-A           | Torque screwdriver (12 kg•cm) (1.2 N•m)         | Screw tightening                                                                |
| J-6326-120-A           | Hexagon bit (For torque screwdriver) (size 1.5) | Screw tightening                                                                |
| J-6394-080-A           | Grayscale chart                                 | Transparent type (16 : 9), Camera adjustment                                    |
| J-6480-010-A           | Alignment sleeve remover HC-001                 | For Female connector, DCC.91.312.5LA manufactured by LEMO or equivalent         |
| J-7120-950-A           | Chart adaptor                                   | Adaptor that installs ITE test chart (16 : 9) 310 X200 in PTB-500 (pattern box) |
| J-7120-960-A           | ITE STANDARD TEST CHART                         | ITE resolution chart (16 : 9)                                                   |
| J-7120-970-A           | ITE STANDARD TEST CHART                         | ITE grayscale chart ( $\gamma=0.45$ ) (16 : 9)                                  |
| J-7120-980-A           | ITE STANDARD TEST CHART                         | ITE inmega cycle chart (16 : 9)                                                 |
| 7-600-002-52           | Locking compound (TB-1401B)                     | Inhibits loosening of screws                                                    |
| Commercially available | Loctite (408)                                   | Instant adhesives                                                               |
| Commercially available | Grayscale chart                                 | Reflective type (16 : 9), Camera adjustment                                     |
| Commercially available | Star chart                                      | Reflective type, Camera adjustment                                              |
| Commercially available | USB drive                                       | Upgrading software, writing and rewriting the PLD internal data                 |

### 1-9-2. Measuring Equipment

Use the calibrated equipment or equivalent as listed below for the adjustments.

| Equipment           | Name                                                |
|---------------------|-----------------------------------------------------|
| Oscilloscope        | Tektronix TDS460A or equivalent                     |
| HD waveform monitor | LEADER ELECTRONICS LV5150DA, LV5152DA or equivalent |
| Frequency counter   | Advantest TR5821AK or equivalent                    |
| Digital voltmeter   | Advantest TR6845 or equivalent                      |
| HD color monitor    | Sony BVM-D20F1J/D14H5J or equivalent                |
| Luminance meter     | Konica Minolta LS-110 or equivalent                 |

## 1-10. Upgrading Software Programs

Software programs stored in the ROM (IC401) on the AT-189 board can be upgraded by using a USB drive. The software programs include camera application and operating system (OS), which can be independently upgraded. Use the following procedures to upgrade the software programs.

### 1-10-1. Upgrading Camera Application

---

#### Equipment Required

USB drive (commercially available)

##### Note

For recommended USB drive, refer to “Using a USB Drive” in the operation manual.

---

#### Preparation

Copy the camera application update data to the USB drive using the following procedure.

##### Note

For how to obtain the version update data file (hdc2000\_app.pkg), contact your local Sony Sales Office/Service Center.

1. Create the following directory in the USB drive.  
¥MSSONY¥PRO¥CAMERA¥HDC2000
2. Copy the version update data file "hdc2000\_app.pkg" to the directory created.

---

#### Procedure

1. Connect the USB drive that contains the version update program.
2. Turn on the power of the unit.
3. Display the "ROM VERSION" page of the DIAGNOSIS menu.
4. Confirm that the cursor "?" is displayed to the left of D03, and then press the ENTER button long.
5. Updatable items become selectable. Select "CAMERA APP" and then press the ENTER button.
6. A message "VERSION UP OK?" appears. Select "YES."
7. The unit restarts automatically and the version update starts.  
Upon completion of the version update, a message "UPDATE SUCCEEDED" appears.
8. Turn off and on the power of the unit and confirm that the version has been updated on the "ROM VERSION" page of the DIAGNOSIS menu.

### 1-10-2. Upgrading OS

---

#### Equipment Required

USB drive (commercially available)

##### Note

For recommended USB drive, refer to “Using a USB Drive” in the operation manual.

---

## Preparation

Copy the OS update data to the USB drive using the following procedure.

|             |
|-------------|
| <b>Note</b> |
|-------------|

For how to obtain the version update data file (hdc2000\_os.pkg), contact your local Sony Sales Office/Service Center.

1. Create the following directory in the USB drive.  
¥MSSONY¥PRO¥CAMERA¥HDC2000
2. Copy the version update data file “hdc2000\_os.pkg” to the directory created.

---

## Procedure

1. Connect the USB drive that contains the version update program.
2. Turn on the power of the unit.
3. Display the “ROM VERSION” page of the DIAGNOSIS menu.
4. Confirm that the cursor “?” is displayed to the left of D03, and then press the ENTER button long.
5. Updatable items become selectable. Select “OS” and then press the ENTER button.
6. A message “VERSION UP OK?” appears. Select “YES.”
7. The unit restarts automatically and the version update starts.  
Upon completion of the version update, a message “UPDATE SUCCEEDED” appears.
8. Turn off and on the power of the unit and confirm that the version has been updated on the “ROM VERSION” page of the DIAGNOSIS menu.

## 1-11. PLD

This unit uses the PLD (Programmable Logic Device) that supports USB drive to write and rewrite the internal data. If the part listed below needs to be replaced or to be upgraded, contact your local Sony Sales Office/Service Center.

### Note

The part number of PLD (or ROM for PLD) in which data is not written yet, is shown in “6. Spare Parts”.

Therefore, if part replacement is required, write the data by the following procedure.

In the case of the PLD type that runs on the program stored in external ROM, data needs not to be written only by replacing the part if the specific PLD only is defective.

### 1-11-1. Corresponding PLD

| PLD (Ref. No./Board Name)         | File Name        |
|-----------------------------------|------------------|
| IC1001/SY-408<br>IC1102/SY-408 *1 | hdc2000_sy.pkg   |
| IC601/DPR-338<br>IC602/DPR-338 *2 | hdc2000_dpr2.pkg |
| IC401/DPR-338<br>IC501/DPR-338 *3 | hdc2000_dpr1.pkg |
| IC1/SDI-109<br>IC607/SDI-109 *4   | hdc2000_sdi.pkg  |
| IC15/TG-276S<br>IC2/TG-276S *5    | hdc1700_tg.pkg   |

### 1-11-2. Upgrading PLD Data

#### Equipment Required

USB drive (commercially available)

### Note

For recommended USB drive, refer to “Using a USB Drive” in the operation manual.

#### Preparation

Copy the PLD update data to the USB drive using the following procedure.

### Note

For how to obtain the version update data file (hdc2000\_sy.pkg, hdc2000\_dpr1.pkg, hdc2000\_dpr2.pkg, hdc2000\_sdi.pkg, hdc2000\_tg.pkg, hdc1700\_tr.pkg) , contact your local Sony Sales Office/Service Center.

1. Create the following directory in the USB drive.  
¥MSSONY¥PRO¥CAMERA¥HDC2000
2. Copy the PLD version update data file to be updated to the directory created.

\*1: IC1102/SY-408 is the ROM for IC1001/SY-408.

\*2: IC602/DPR-338 is for the ROM IC601/DPR-338.

\*3: IC501/DPR-338 is the ROM for IC401/DPR-338.

\*4: IC607/SDI-109 is the ROM for IC1/SDI-109.

\*5: IC2/TG-276S is the ROM for IC15/TG-276S.

---

## Procedure

1. Connect the USB drive that contains the version update program.
2. Turn on the power of the unit.
3. Display the "ROM VERSION" page of the DIAGNOSIS menu.
4. Confirm that the cursor "?" is displayed to the left of D03, and then press the ENTER button long.
5. Updatable items become selectable. Select the PLD to be upgraded and then press the ENTER button.
6. A message "VERSION UP OK?" appears. Select "YES."
7. The unit restarts automatically and the version update starts.  
Upon completion of the version update, a message "UPDATE SUCCEEDED" appears.
8. Turn off and on the power of the unit and confirm that the version has been updated on the "ROM VERSION" page of the DIAGNOSIS menu.



## 1-12. Forced Version Update

If the version of program or data cannot be updated from the ROM VERSION page of the DIAGNOSIS menu, the software or PLD data version can be updated by the “forced version update.”

### 1-12-1. Forced Version Update of Software or PLD Data

---

#### Equipment Required

USB drive (commercially available)

##### Note

For recommended USB drive, refer to “Using a USB Drive” in the operation manual.

---

#### Preparation

Copy the software or PLD data version update data file to the USB drive using the following procedure.

##### Notes

For how to obtain the version update data file, contact your local Sony Sales Office/Service Center.

1. Create the following directory in the USB drive.  
¥MSSONY¥PRO¥CAMERA¥HDC2000
2. Copy the version update data file to be updated to the directory created.

##### Note

Do not copy software or PLD data that is not to be updated.

---

#### Procedure

1. Connect the USB drive that contains the version update program.
2. Turn on the power of the unit while pressing the RET 2 button and the rotary encoder on the front of the unit.  
The version of each version update data file copied in the USB drive is updated.

##### Note

The version update progress status is displayed on the viewfinder.

3. Upon completion of the version update, a message “UPDATE SUCCEEDED” appears.
4. Turn off and on the power of the unit and confirm that the version has been updated on the “ROM VERSION” page of the DIAGNOSIS menu.

## 1-13. Microphone Power and Intercom Settings

### 1-13-1. Outputting Microphone Power Voltage +12 V (AB-Power)

A microphone power voltage of +12 V can be supplied to the microphone connected to the AUDIO IN connector.

1. Open the OPTION [S11] page of the SERVICE menu.
2. Set "MIC AB POWER" to "ENABLE".
3. Set the microphone power switch on the connector panel at the rear of the unit to "•".

Power voltage +12 V (AB-Power) is supplied to the microphone connected to the AUDIO IN connector.

### 1-13-2. Intercom Settings

Since there are several types and usages of the headset for intercom, make appropriate settings for each type.

---

#### Talk (Microphone) Settings

Check characteristics of the microphone attached to the headset and make settings by the menu of the unit. Microphone sensitivity, power supply method, balanced/unbalanced input can be set. Intercom 1 and intercom 2 are independent, and therefore make settings for each intercom.

##### General carbon microphone

1. Set INTERCOM1 MIC (or INTERCOM2 MIC) on the HEAD SET page of the OPERATION menu to "CARBON".

Microphone sensitivity, power supply method, balanced/unbalanced input are automatically set.

##### General dynamic microphone

1. Set INTERCOM1 MIC (or INTERCOM2 MIC) on the HEAD SET page of the OPERATION menu to "DYNAMIC".
2. Set "UNBAL" (balanced/unbalanced input) on the HEAD SET page according to the microphone.

Microphone sensitivity and power supply method are automatically set.

##### Other microphones

1. Set INTERCOM1 MIC (or INTERCOM2 MIC) on the HEAD SET page of the OPERATION menu to "MANUAL".
2. Set the following items on the HEAD SET page according to the microphone to be used.
  - LEVEL (microphone sensitivity)
  - POWER (power supply method)
  - UNBAL (balanced/unbalanced input)

---

#### Receive (Headphone) Settings

Headphone operation varies depending on the headset connection.

The following description is provided when the right ear is connected to Pin 5 of the intercom connector and the left ear is connected to Pin 4 of the intercom connector.

##### In the case of dual-type headphone to listen the same sound with both ears or single-type headphone

1. Set "INTERCOM RECEIVE SELECT" on the RECEIVE SEL page of the OPERATION menu to "MIX". The same sound is output from right and left.

**In the case of dual-type headphone to listen different right and left sound**

1. Set “INTERCOM RECEIVE SELECT” on the RECEIVE SEL page of the OPERATION menu to “SEPARATE”.
2. Set channels (left, right, and both) of items INTRECOM, PGM1, PGM2, and TRACKER on the RECEIVE SEL page.

**To adjust the volume of your voice**

1. Set volume in SIDE TONE on the INTERCOM LEVEL page of the OPERATION menu.

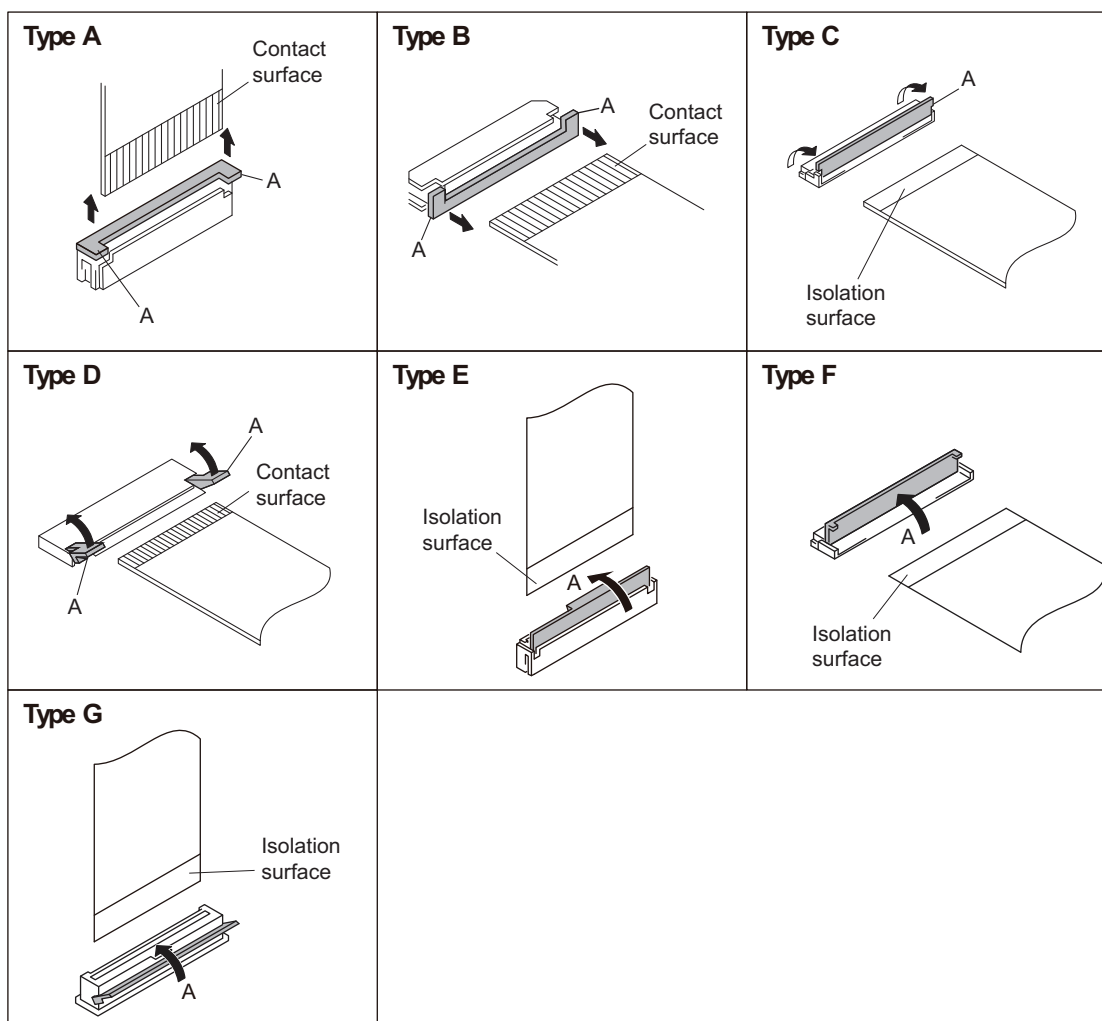
## 1-14. Flexible Card Wire and Coaxial Cable

### 1-14-1. Connecting/Disconnecting Flexible Card Wire

#### Notes

- Be very careful not to fold flexible card wires. Life of flexible card wire will be significantly shortened if it is folded.
- Each flexible card wire has conductor side and insulated side. If the flexible card wire is connected in the wrong orientation of the conductor side and the insulated side, the circuit will not function.
- Insert the flexible card wire straight.
- Check that the conductive surface of the flexible card wire is not contaminated.

#### Type A to G



#### Disconnecting

1. Turn off the power.
2. Slide or lift up the portion A in the direction of the arrow to unlock and pull out the flexible card wire.

#### Connecting

1. Insert the flexible card wire firmly as far as it will go with the insulating surface facing upward.
2. Close the latch of the connector in the direction of arrow B to lock the flexible card wire.

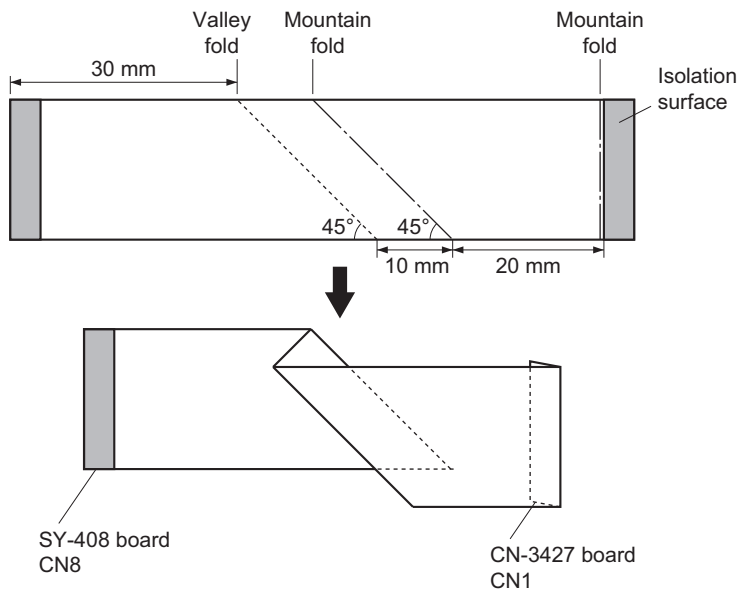
## 1-14-2. Forming Flexible Card Wire

Before installing a new flexible card wire for repair, fold it by hand according to the following figures.

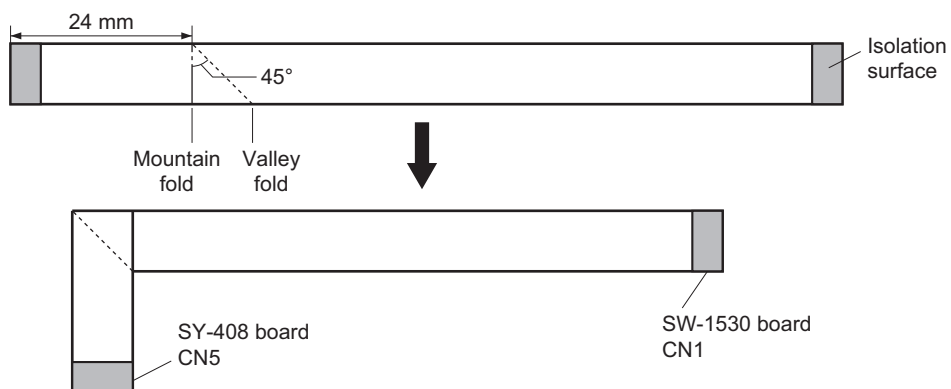
### Note

Never fold it back after being formed once.

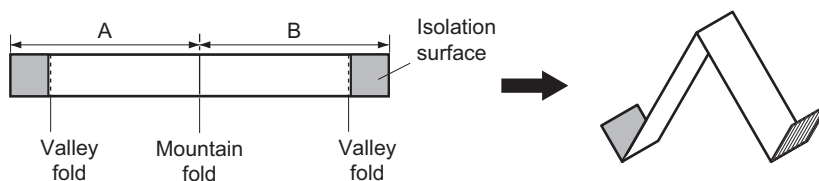
- SY-408 board CN8 ↔ CN-3427 board CN1



- SY-408 board CN5 ↔ SW-1530 board CN1



- SY-408 board CN9 ↔ CN-3426 board CN1



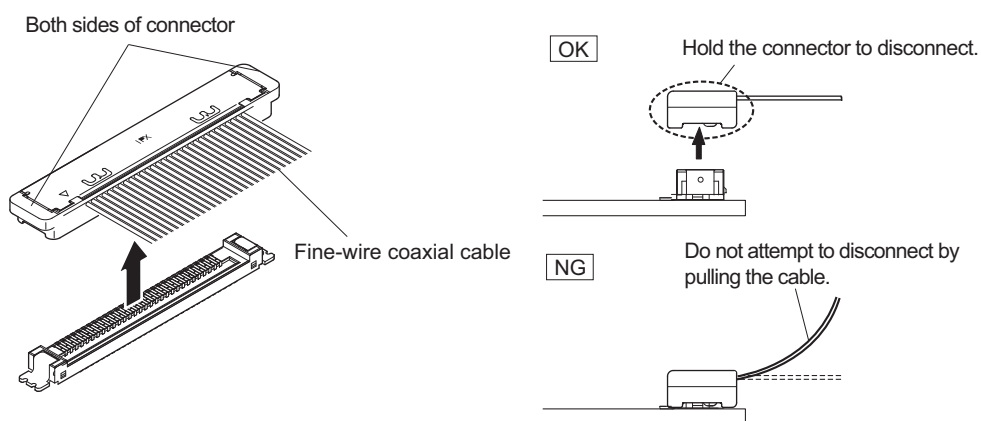
### 1-14-3. Disconnecting/Connecting Fine-Wire Coaxial Cable

#### Notes

- Be very careful when handling the fine-wire coaxial cable so that fine wires are not disconnected.
- When disconnecting the fine-wire coaxial cable, be sure to hold the connector. Do not attempt to pull the cable.
- Check that the contact surface of the fine-wire coaxial cable connector is free from dirt or dust.

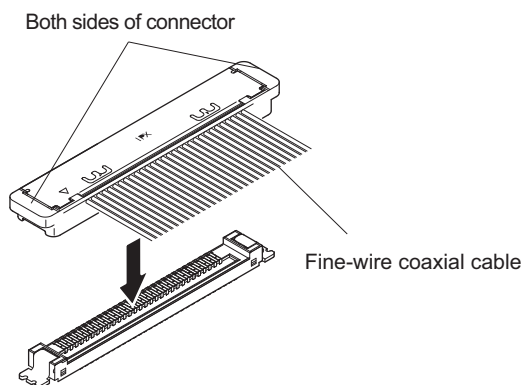
#### Type A

##### Disconnecting



1. Hold both sides of the fine-wire coaxial cable connector, and pull the connector straight to disconnect it.

##### Connecting



#### Note

When connecting the fine-wire coaxial cable, insert it straight into the connector.

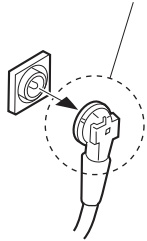
1. Insert firmly the connector of fine-wire coaxial cable in the interior.

## 1-14-4. Connecting/Disconnecting Coaxial Cable

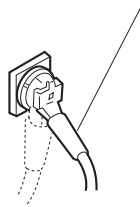
### Type A

#### Disconnecting

**OK** Hold the plug to remove.



**NG** Do not attempt to remove by pulling the cable.

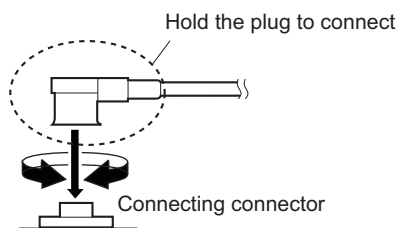


1. Hold the plug of coaxial cable.
2. Pull out the coaxial cable in the direction arrow.

#### Note

Be sure to hold the plug when disconnecting the coaxial cable. Do not pull the cable.

#### Connecting



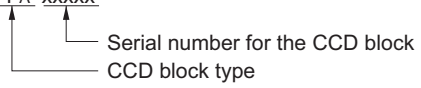
1. Hold the plug of coaxial cable.
2. Connect the coaxial cable perpendicularly to the connector. Push the plug into the connector while turning it clockwise and counterclockwise several times.

## 1-15. Description of CCD Block Number

Every OHB assembly has its own ID number called CCD block number. It shows the CCD block type and serial number for the CCD block.

The CCD block number label is put in the OHB assembly.

Example: PFA xxxxx





## 1-16. Circuit Protection Parts

### 1-16-1. Fuses

#### WARNING

Fuses are essential parts for safe operation. Be sure to use the parts specified in this manual. Replacing a fuse with an unspecified one may cause fire or electric shock.

#### CAUTION

Replacing any fuse is replaced while power is supplied to the unit may cause electric shock. Before replacing any fuse, turn off the POWER switch and also disconnect the battery pack and the cable from the DC IN connector.

This unit is equipped with fuses. The fuses blow if overcurrent flows in the unit due to an abnormality. In that case, turn off the power of the unit, inspect inside of the unit, and then remove the cause of the overcurrent. After that, replace the defective parts.

| Board Name | Ref. No. | Address     | Part No.       | Part Name/Rating       |
|------------|----------|-------------|----------------|------------------------|
| PS-836     | F101     | E1 (Side A) | △ 1-523-190-11 | Fuse (SMD) 6.3 A/250 V |
|            | F102     | E3 (Side A) | △ 1-523-190-11 | Fuse (SMD) 6.3 A/250 V |
|            | F3001    | D3 (Side A) | △ 1-576-566-21 | Fuse (SMD) 15 A/65 V   |

### 1-16-2. Circuit Protection Element

This unit is equipped with positive-characteristic thermistors (power thermistors) as circuit protection elements.

The positive-characteristic thermistor limits the electric current flowing through the circuit as the internal resistance increases when an excessive current flows or when the ambient temperature increases. If the positive-characteristic thermistor works, turn off the main power of the unit and inspect the internal circuit of the unit.

After the cause of the fault is eliminated and the positive-characteristic thermistor is cooled down, turn on the main power again. The unit works normally. It takes about one minute to cool down the positive-characteristic thermistor after the main power is turned off.

| Board Name | Ref. No. | Address     | Part No.       | Hold Current |
|------------|----------|-------------|----------------|--------------|
| CN-3427    | THP1     | B2 (Side A) | △ 1-802-108-11 | 1.50 A/20 °C |
|            | THP2     | B1 (Side A) | △ 1-811-201-11 | 2.60 A/20 °C |
| DPR-338    | THP101   | B3 (Side B) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP102   | D1 (Side B) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP103   | B2 (Side B) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP104   | D1 (Side B) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP105   | D1 (Side B) | △ 1-804-616-21 | 1.10 A/20 °C |
| DR-663     | TH1      | A2 (Side B) | △ 1-804-503-21 | 0.14 A/25 °C |
| MB-1179    | THP1     | A2 (Side A) | △ 1-811-201-11 | 2.60 A/20 °C |
|            | THP3     | A1 (Side A) | △ 1-811-201-11 | 2.60 A/20 °C |
|            | THP4     | B2 (Side A) | △ 1-811-201-11 | 2.60 A/20 °C |
|            | THP5     | D2 (Side A) | △ 1-803-615-21 | 0.50 A/20 °C |
| PS-836     | THP101   | C1 (Side A) | △ 1-802-108-11 | 1.50 A/20 °C |

Continued

| Board Name | Ref. No. | Address     | Part No.       | Hold Current |
|------------|----------|-------------|----------------|--------------|
| RE-291     | THP601   | B3 (Side B) | △ 1-803-615-21 | 0.50 A/20 °C |
|            | THP602   | A1 (Side B) | △ 1-803-353-21 | 0.14 A/20 °C |
|            | THP603   | B1 (Side B) | △ 1-803-615-21 | 0.50 A/20 °C |
| SDI-109    | THP100   | D3 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP101   | D3 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP102   | D4 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP103   | D4 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP104   | C3 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP105   | C3 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP106   | B2 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP107   | B2 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP108   | B3 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP109   | B3 (Side A) | △ 1-804-616-21 | 1.10 A/20 °C |
|            | THP110   | C2 (Side B) | △ 1-804-616-21 | 1.10 A/20 °C |
| SY-408     | THP1     | B3 (Side A) | △ 1-802-063-21 | 1.10 A/20 °C |
|            | THP101   | C3 (Side A) | △ 1-803-615-21 | 0.50 A/20 °C |
|            | THP102   | D2 (Side B) | △ 1-803-615-21 | 0.50 A/20 °C |
|            | THP103   | D2 (Side B) | △ 1-803-615-21 | 0.50 A/20 °C |

## 1-17. Lead-free Solder

Boards requiring use of unleaded solder are printed with a lead free mark (LF) indicating the solder contains no lead. (Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)



: LEAD FREE MARK

### Notes

- Be sure to use the unleaded solder for the printed circuit board printed with the lead free mark.
- The unleaded solder melts at a temperature about 40 °C higher than the ordinary solder. Therefore, it is recommended to use a soldering iron having a temperature regulator.
- The ordinary soldering iron can be used but the iron tip has to be applied to the solder joint for a slightly longer time. The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful.



## Section 2

### Replacement of Main Parts

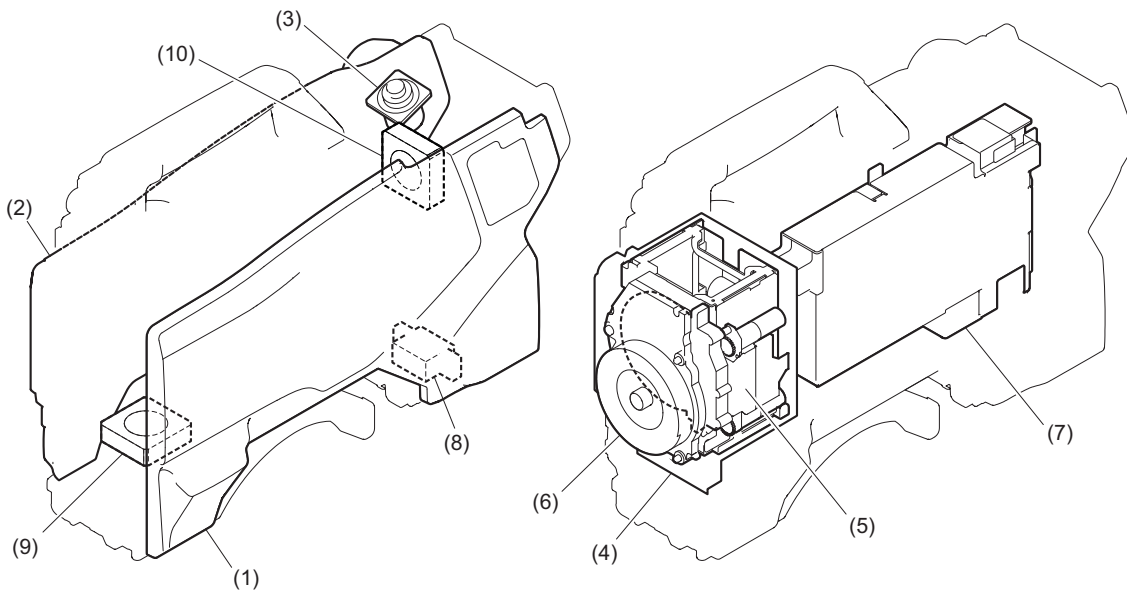
This section explains the replacement procedures of periodic replacement parts, main mechanical parts, and mounted circuit boards.

#### 2-1. General Information for Parts Replacement

##### 2-1-1. Index

This section describes the replacement procedure of the parts below.

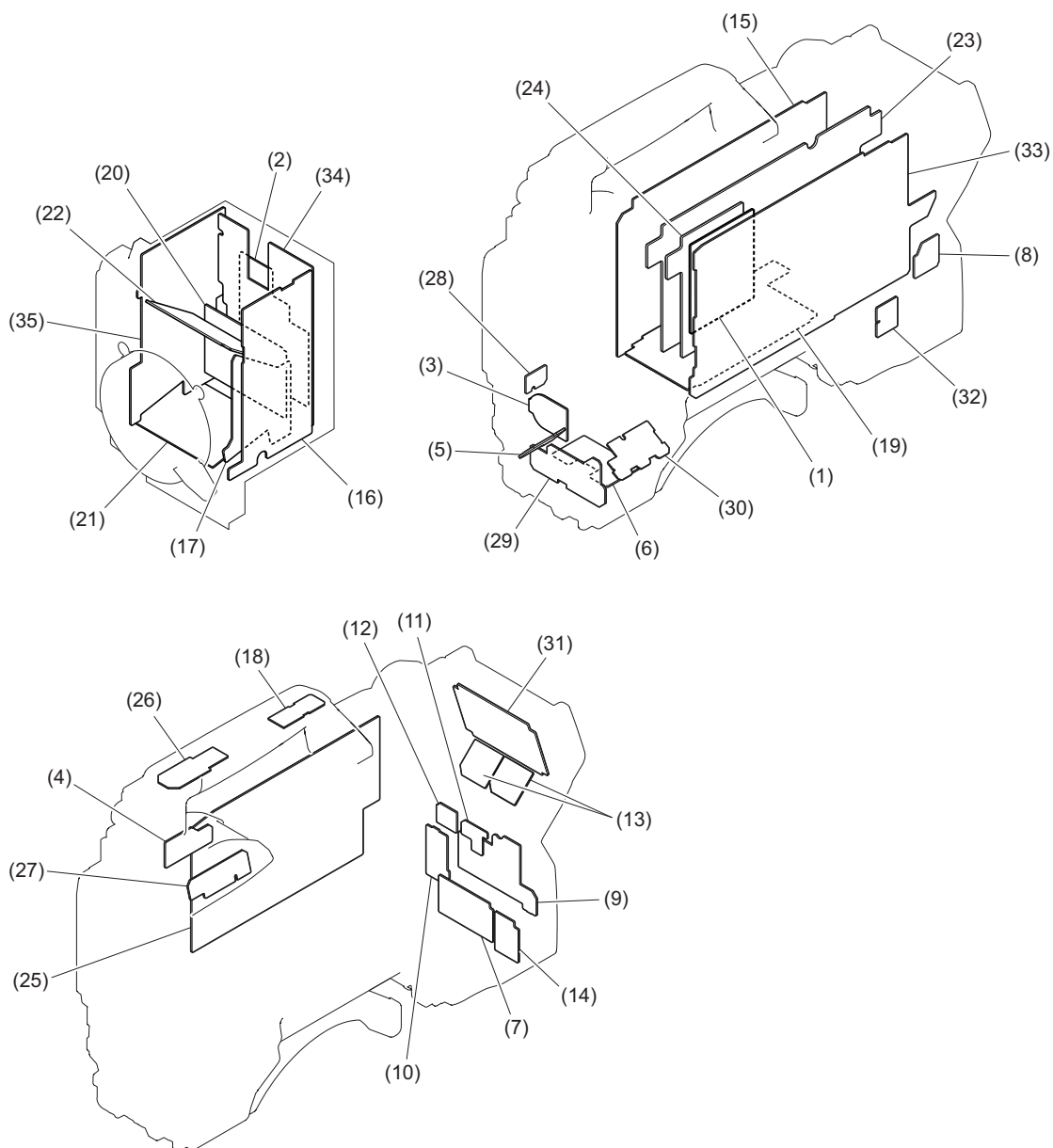
##### Mechanical parts



| No.  | Part name                    | Section                                                                   |
|------|------------------------------|---------------------------------------------------------------------------|
| (1)  | Inside Panel Assembly        | <a href="#">“2-2. Inside Panel Assembly”</a>                              |
| (2)  | Outside Panel Assembly       | <a href="#">“2-3-1. Outside Panel Assembly”</a>                           |
| (3)  | Optical Multi Cable Assembly | <a href="#">“2-3-3. Optical Multi Cable Assembly”</a>                     |
| (4)  | Front Assembly               | <a href="#">“2-5. Front Assembly”</a>                                     |
| (5)  | FD Assembly                  | <a href="#">“2-4. FD (Filter Disk) Assembly”</a>                          |
| (6)  | OHB Assembly                 | <a href="#">“2-6-1. OHB Assembly”</a>                                     |
| (7)  | Power Block Assembly         | <a href="#">“2-8-2. Power Block Assembly (RE-291 Board/PS-836 Board)”</a> |
| (8)  | BUILD UP Connector           | <a href="#">“2-8-13. BUILD UP Connector”</a>                              |
| (9)  | DC Fan (Front)               | <a href="#">“2-9-1. DC Fan (Front)”</a>                                   |
| (10) | DC Fan (Rear)                | <a href="#">“2-9-2. DC Fan (Rear)”</a>                                    |

##### Mounted circuit boards

After replacing/repairing the mounted circuit boards (or the assembling parts including them), perform the steps after replacement/repair. (Refer to [“1-5. Notes on Board Replacing”](#))



| No.  | Board name    | Procedure                                                                     | Steps after replacement |
|------|---------------|-------------------------------------------------------------------------------|-------------------------|
| (1)  | AT-189 board  | <a href="#">“2-8-1. SY-408 Board/AT-189 Board”</a>                            | -                       |
| (2)  | CN-3315 board | <a href="#">“2-6-4. CN-3315 Board”</a>                                        | -                       |
| (3)  | CN-3421 board | <a href="#">“2-8-8. CN-3421 Board”</a>                                        | -                       |
| (4)  | CN-3422 board | <a href="#">“2-7-2. VF Connector (CN-3422 Board)”</a>                         | -                       |
| (5)  | CN-3423 board | <a href="#">“2-8-6. CN-3423 Board”</a>                                        | -                       |
| (6)  | CN-3424 board | <a href="#">“2-8-10. CN-3424 Board”</a>                                       | -                       |
| (7)  | CN-3425 board | <a href="#">“2-10-2. AUDIO IN Connector (CN-3425 Board)”</a>                  | -                       |
| (8)  | CN-3426 board | <a href="#">“2-8-11. CN-3426 Board”</a>                                       | -                       |
| (9)  | CN-3427 board | <a href="#">“2-10-1. CN-3429 Board/CN-3427 Board”</a>                         | -                       |
| (10) | CN-3428 board | <a href="#">“2-10-3. PROMPTER/GENLOCK/TEST OUT Connector (CN-3428 Board)”</a> | -                       |
| (11) | CN-3429 board | <a href="#">“2-10-1. CN-3429 Board/CN-3427 Board”</a>                         | -                       |
| (12) | CN-3430 board | <a href="#">“2-10-4. REMOTE Connector (CN-3430 Board)”</a>                    | -                       |

Continued

| No.  | Board name                    | Procedure                                                                 | Steps after replacement                         |
|------|-------------------------------|---------------------------------------------------------------------------|-------------------------------------------------|
| (13) | CN-3431 board                 | <a href="#">“2-11-1. INTERCOM Connector (CN-3431 Board)”</a>              | -                                               |
| (14) | CN-3432 board                 | <a href="#">“2-10-5. DC IN Connector (CN-3432 Board)”</a>                 | -                                               |
| (15) | DPR-338 board                 | <a href="#">“2-8-3. DPR-338 Board”</a>                                    | -                                               |
| (16) | DR-657S board                 | <a href="#">“2-6-2. DR-657S Board”</a>                                    | -                                               |
| (17) | IF-1168 board                 | <a href="#">“2-6-3. IF-1168 Board”</a>                                    | -                                               |
| (18) | LE-376 board                  | <a href="#">“2-7-1. LE-376 Board/SW-1524 Board”</a>                       | -                                               |
| (19) | MB-1179 board                 | <a href="#">“2-8-4. MB-1179 Board”</a>                                    | <a href="#">“1-5. Notes on Board Replacing”</a> |
| (20) | PA-388S board                 | <a href="#">“2-6-7. PA-388S/PA-389S/PA-390S Board”</a>                    | -                                               |
| (21) | PA-389S board                 | <a href="#">“2-6-7. PA-388S/PA-389S/PA-390S Board”</a>                    | -                                               |
| (22) | PA-390S board                 | <a href="#">“2-6-7. PA-388S/PA-389S/PA-390S Board”</a>                    | -                                               |
| (23) | PS-836 board                  | <a href="#">“2-8-2. Power Block Assembly (RE-291 Board/PS-836 Board)”</a> | -                                               |
| (24) | RE-291 board                  | <a href="#">“2-8-2. Power Block Assembly (RE-291 Board/PS-836 Board)”</a> | -                                               |
| (25) | SDI-109 board                 | <a href="#">“2-3-2. SDI-109 Board”</a>                                    | -                                               |
| (26) | SW-1524 board                 | <a href="#">“2-7-1. LE-376 Board/SW-1524 Board”</a>                       | -                                               |
| (27) | SW-1525 board                 | <a href="#">“2-7-3. SW-1525 Board”</a>                                    | -                                               |
| (28) | SW-1526 board                 | <a href="#">“2-8-7. SW-1526 Board”</a>                                    | -                                               |
| (29) | SW-1527 board                 | <a href="#">“2-8-5. SW-1527 Board”</a>                                    | -                                               |
| (30) | SW-1528 board                 | <a href="#">“2-8-9. SW-1528 Board”</a>                                    | -                                               |
| (31) | SW-1530/<br>SW-1530A<br>board | <a href="#">“2-11-2. SW-1530 Board/SW-1530A Board”</a>                    | -                                               |
| (32) | SW-1531 board                 | <a href="#">“2-8-12. SW-1531 Board”</a>                                   | -                                               |
| (33) | SY-408 board                  | <a href="#">“2-8-1. SY-408 Board/AT-189 Board”</a>                        | <a href="#">“1-5. Notes on Board Replacing”</a> |
| (34) | TG-276S board                 | <a href="#">“2-6-5. VA-243S Board”</a>                                    | <a href="#">“1-5. Notes on Board Replacing”</a> |
| (35) | VA-243S board                 | <a href="#">“2-6-5. VA-243S Board”</a>                                    | -                                               |

## 2-1-2. Various Types of Cables

### Flexible cable wire, fine-wire coaxial cable and coaxial cable

When installing the various types of cables, connect the wire securely referring to [“1-14. Flexible Card Wire and Coaxial Cable”](#).

## 2-1-3. Tightening Torque

### Torque driver and screw tightening torque

General three types of screws are used in this unit. Be sure to use a torque driver and tighten screws to the specified tightening torque.

Tightening torque

M2 (+) screw:  $0.3 \pm 0.03 \text{ N} \cdot \text{m}$

M2.6 (+) screw:  $0.53 \pm 0.07 \text{ N} \cdot \text{m}$

M3 (+) screw:  $0.8 \pm 0.12 \text{ N} \cdot \text{m}$

**Note**

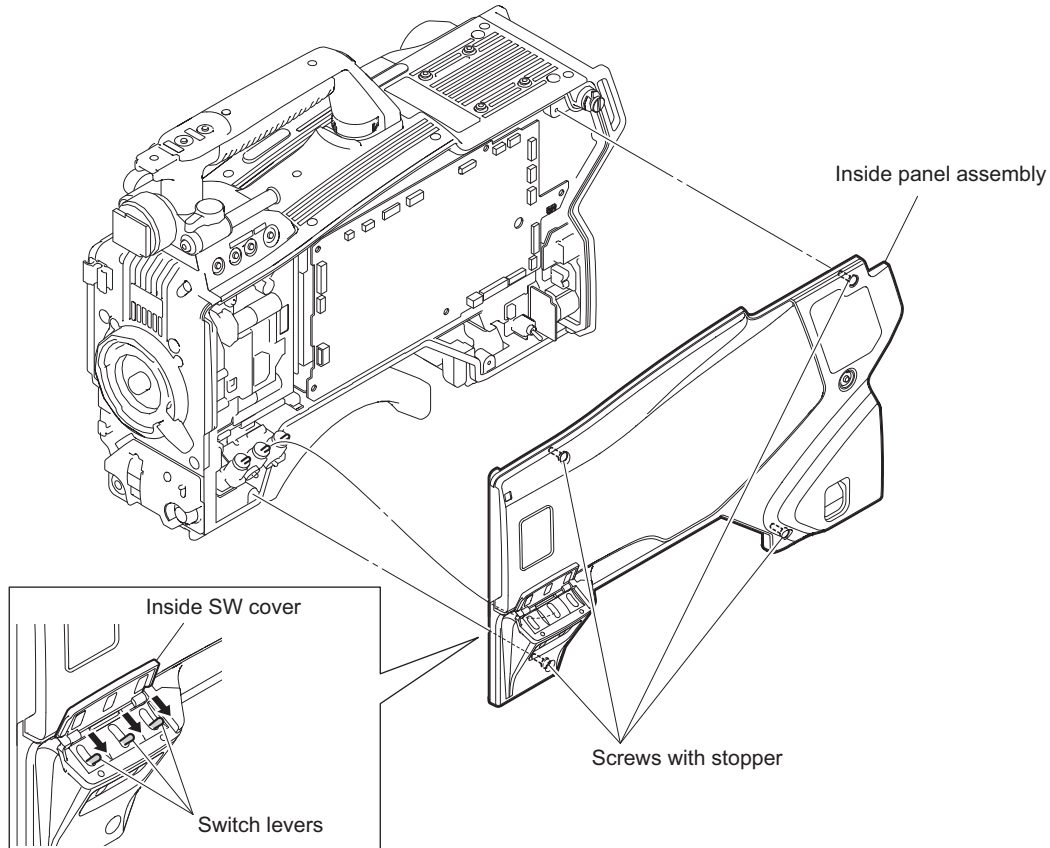
Since small screws are used in this unit, they may fall into the unit when they are removed and installed. To prevent screws from falling, it is recommended that the bit of each torque driver be magnetized to a degree that prevents screws from falling.



## 2-2. Inside Panel Assembly

### Procedure

1. Open the inside SW cover and turn the three switch levers in the direction of arrow.
2. Loosen the four screws with stopper to remove the inside panel assembly.



### Note

Turn the switch levers in the arrow direction, and then install the inside panel assembly.

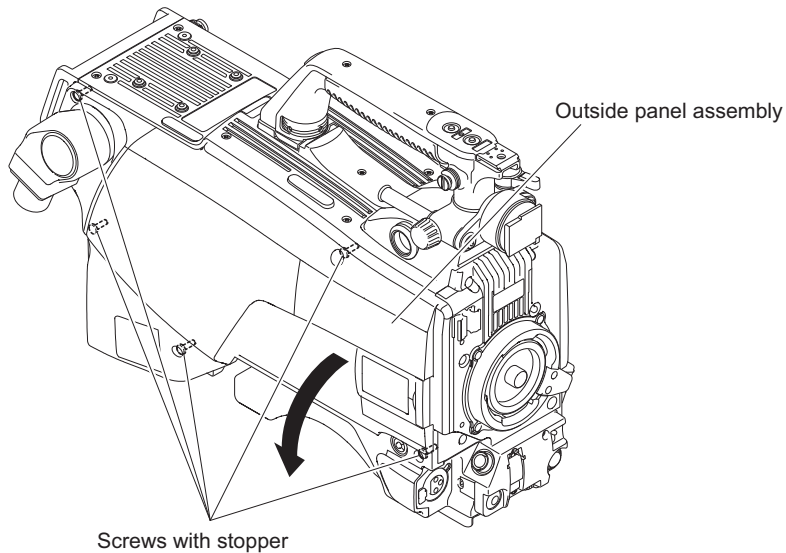
3. Install the inside panel assembly and tighten the four screws with stopper.

## 2-3. Outside Block

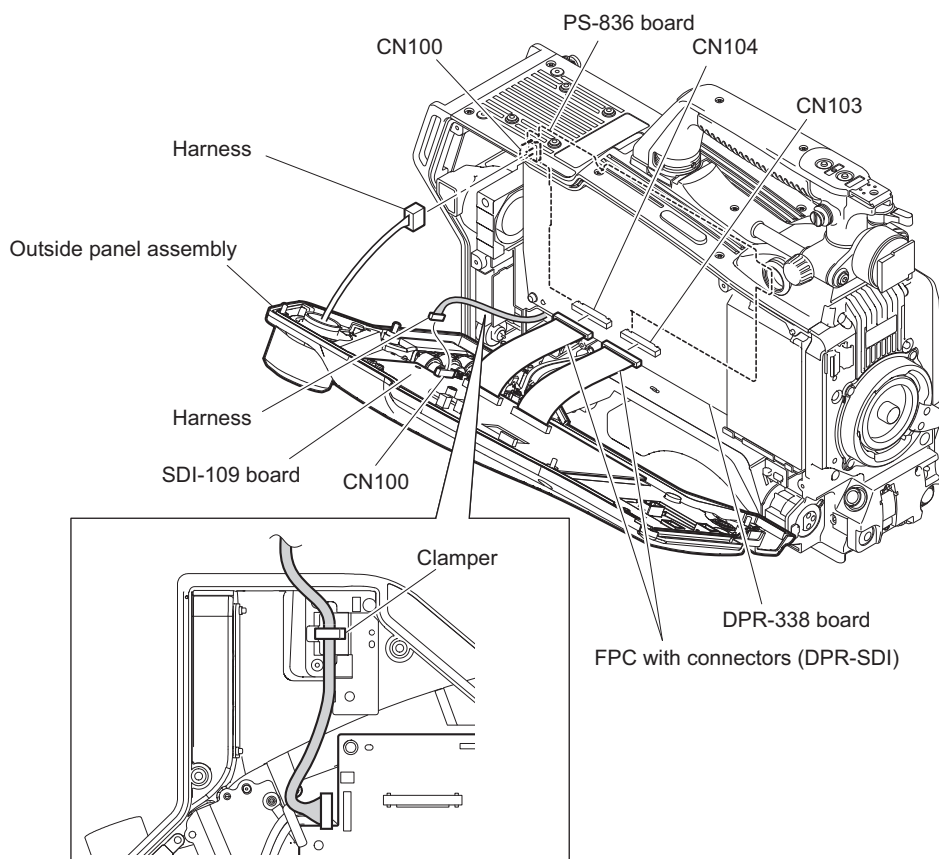
### 2-3-1. Outside Panel Assembly

#### Procedure

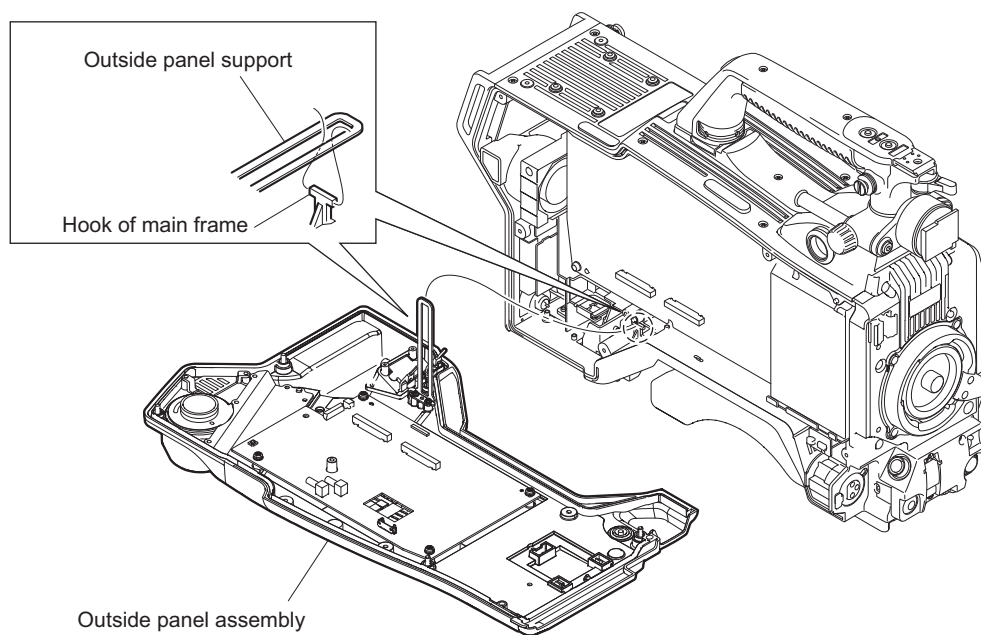
1. Loosen the five screws with stopper to open the outside panel assembly in the direction of arrow.



2. Disconnect the harness from the connector (CN100) on the PS-836 board.
3. Disconnect the two FPCs with connector (DPR-SDI) from the two connectors (CN103, CN104) on the DPR-338 board.
4. Disconnect the harness from the connector (CN100) on the SDI-109 board and remove the harness from the clamber.



5. Remove the outside panel support from the hook of the main frame and remove the outside panel assembly.



6. Install the removed parts by reversing the steps of removal.

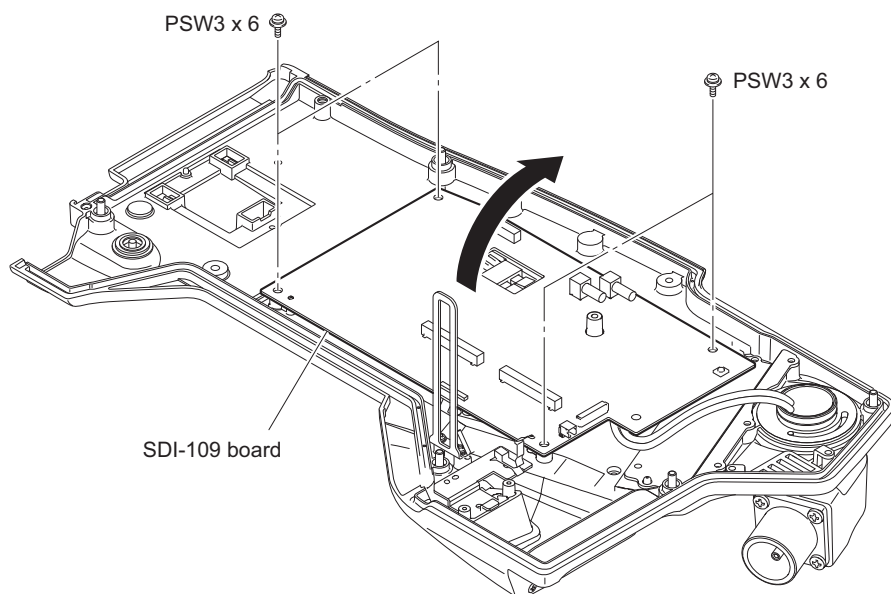
## 2-3-2. SDI-109 Board

### Preparation

1. Remove the outside panel assembly. (Refer to “2-3-1. Outside Panel Assembly”.)

### Procedure

1. Remove the four screws to open the SDI-109 board in the direction of the arrow.

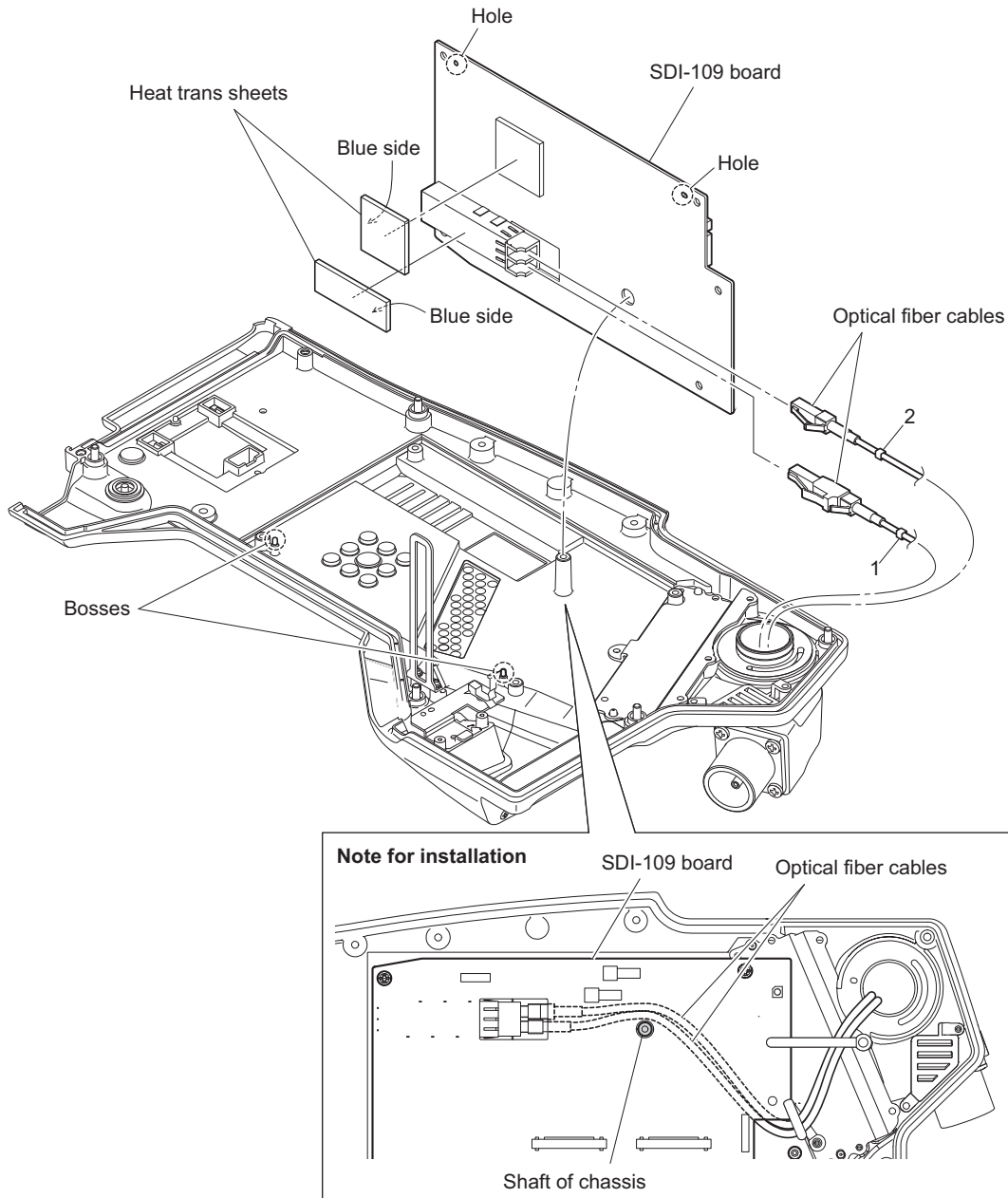


2. Disconnect the two optical fiber cables from the SDI-109 board.

#### Note

- If optical fiber cable is bent or pulled strongly, it may be disconnected. Handle optical fiber cables carefully.
- Do not touch the tip of optical fiber cable connector. This may result in deterioration of signals.

3. Remove the two heat trans sheets from the SDI-109 board.



**Note**

- When reconnecting the optical fiber cables, check their numbers and connect them correctly and securely insert the optical fiber cables to the end of respective connectors.
- When attaching the heat trans sheets, attach them with the blue side facing the board.
- When installing the SDI-109 board, match the two bosses with the two holes.
- When installing the SDI-109 board, arrange the optical fiber cables as shown in the figure.

4. Install the removed parts by reversing the steps of removal.

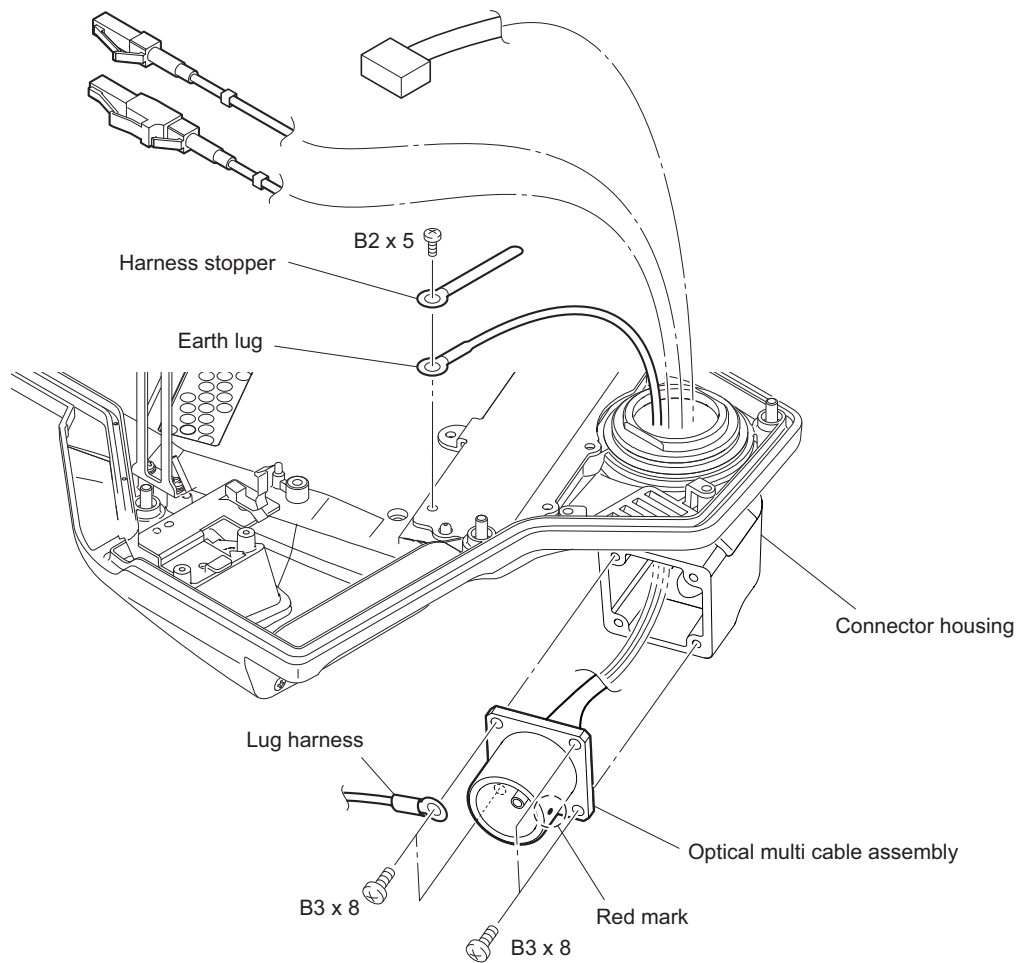
### 2-3-3. Optical Multi Cable Assembly

#### Preparation

1. Remove the outside panel assembly. (Refer to “2-3-1. Outside Panel Assembly”.)
2. Remove the SDI-109 Board. (Refer to “2-3-2. SDI-109 Board”.)

## Procedure

1. Remove the screw to detach the harness stopper and earth lug.
2. Remove the four screws to detach the lug harness and optical multi cable assembly.



### Note

When installing the optical multi cable assembly, carefully install it paying attention to the red mark shown in the figure.

3. Install the removed parts by reversing the steps of removal.

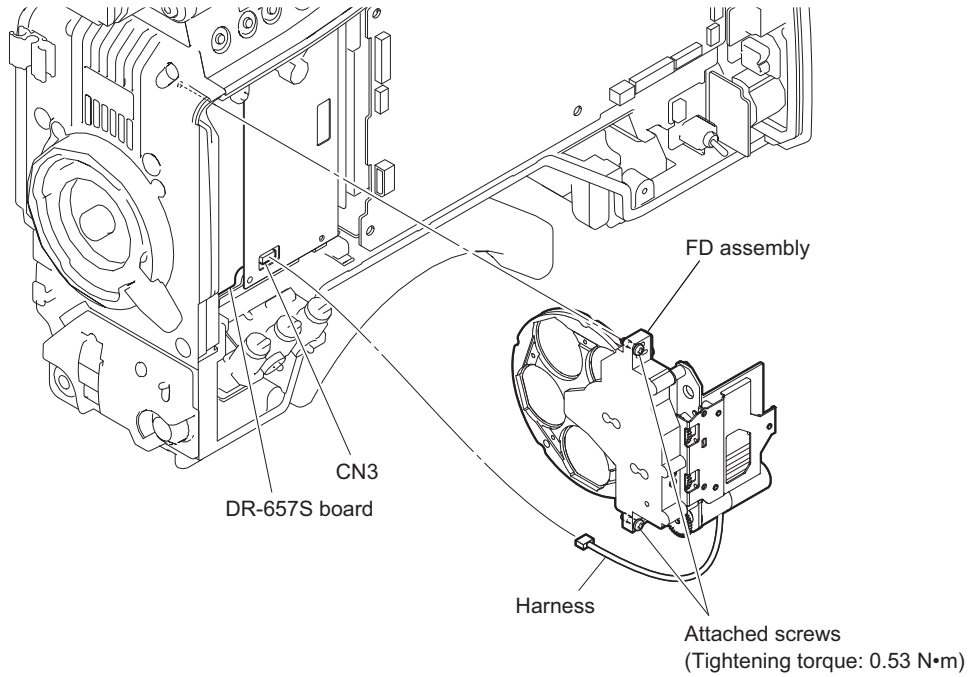
## 2-4. FD (Filter Disk) Assembly

### Preparation

1. Remove the inside panel assembly. (Refer to “2-2. Inside Panel Assembly”.)

### Procedure

1. Disconnect the harness from the connector (CN3) on the DR-657S board.
2. Loosen the two screws to detach the FD assembly.

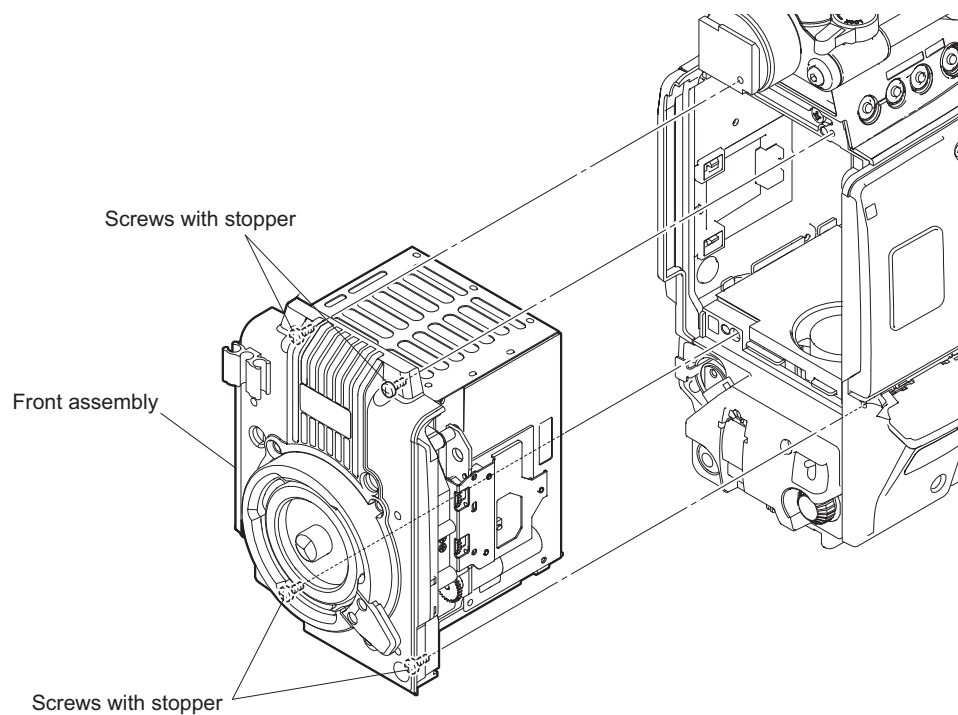


3. Install the removed parts by reversing the steps of removal.

## 2-5. Front Assembly

### Procedure

1. Loosen the four screws with stopper to remove the front assembly.



2. Install the removed parts by reversing the steps of removal.

## 2-6. OHB Block

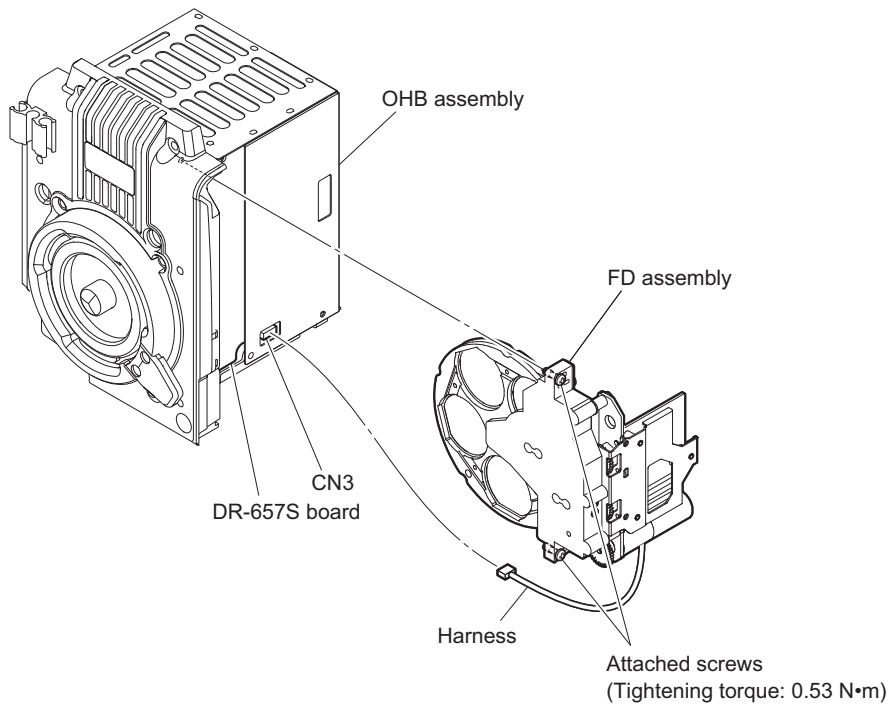
### 2-6-1. OHB Assembly

#### Preparation

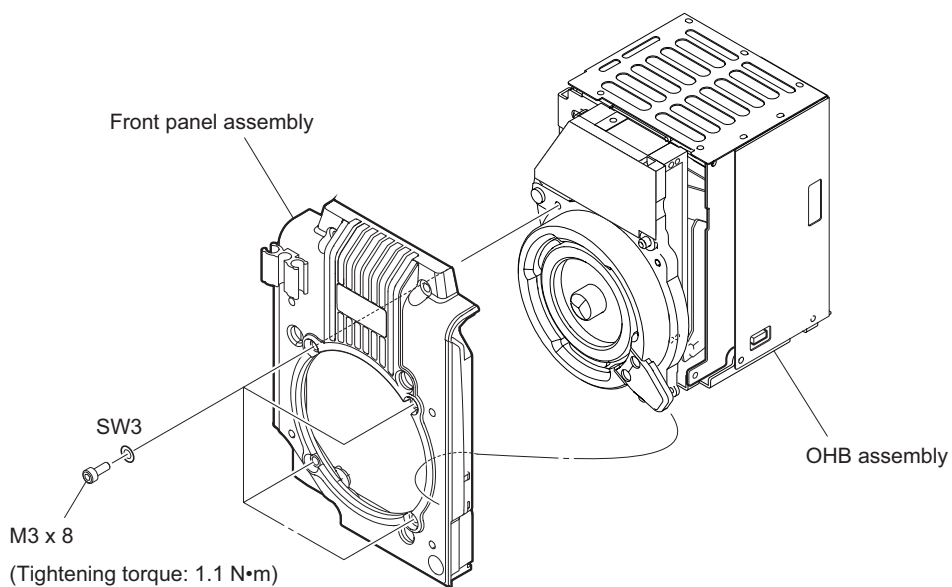
1. Remove the front assembly. (Refer to “2-5. Front Assembly”.)

#### Procedure

1. Disconnect the harness from the connector (CN3) on the DR-657S board.
2. Remove the two screws to detach the FD assembly from the OHB assembly.



3. Remove the four screws and four washers to detach the front panel assembly.



4. Install the removed parts by reversing the steps of removal.



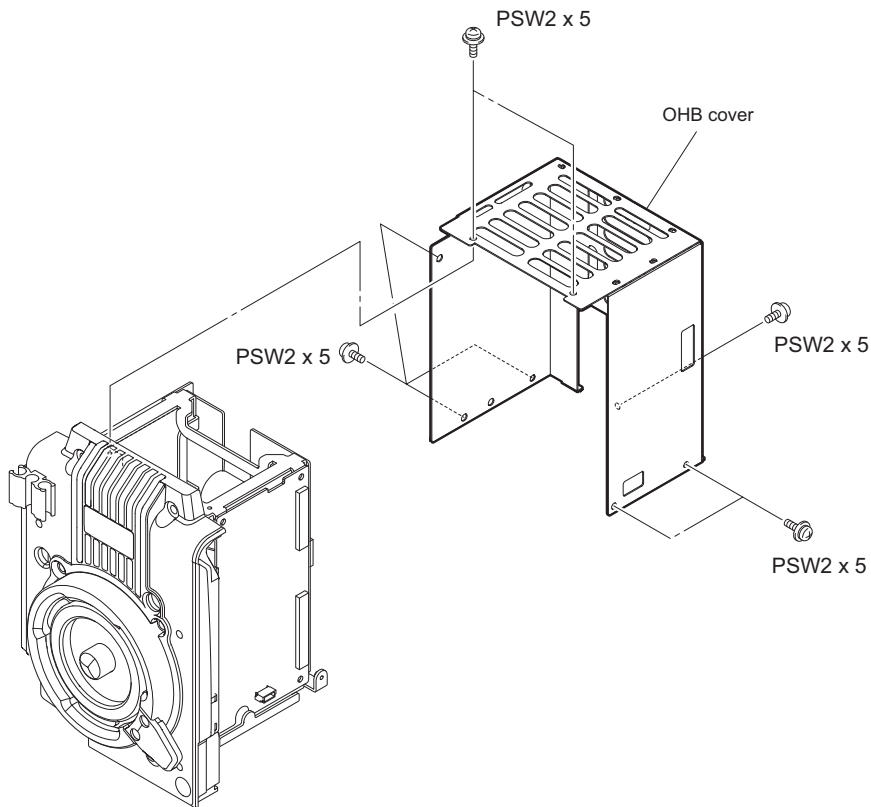
## 2-6-2. DR-657S Board

### Preparation

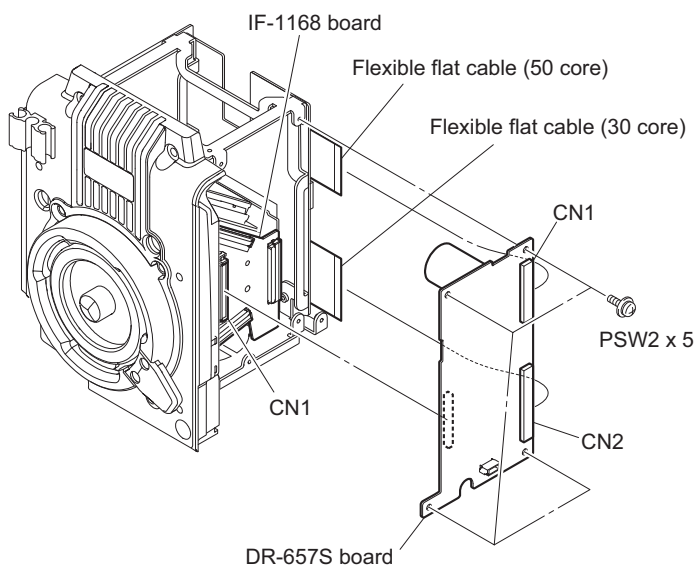
1. Remove the front assembly. (Refer to “2-5. Front Assembly”.)
2. Remove the FD Assembly. (Refer to “2-6-1. OHB Assembly”.)

### Procedure

1. Remove the eight screws to detach the OHB cover.



2. Disconnect the two flexible flat cables from the connectors (CN1, CN2) on the DR-657S board.
3. Remove the four screws to detach the DR-657S board from the connector (CN1) on the IF-1168 board.



4. Install the removed parts by reversing the steps of removal.

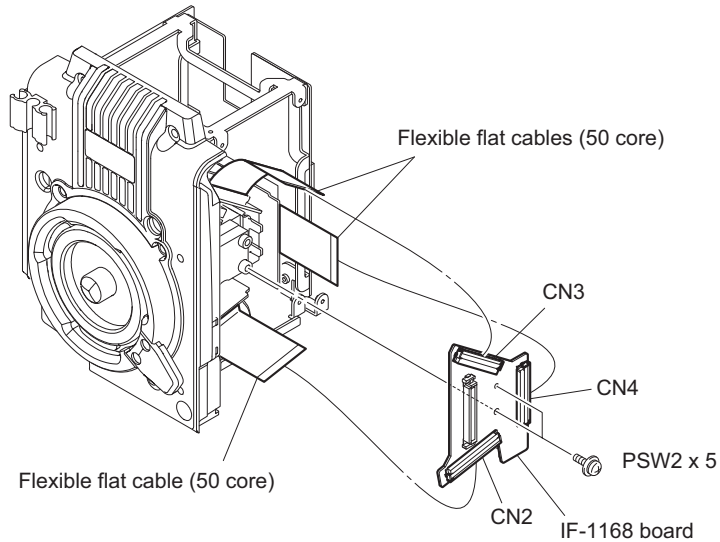
### 2-6-3. IF-1168 Board

#### Preparation

1. Remove the front assembly. (Refer to “2-5. Front Assembly”.)
2. Remove the FD assembly. (Refer to “2-6-1. OHB Assembly”.)
3. Remove the DR-657S board. (Refer to “2-6-2. DR-657S Board”.)

#### Procedure

1. Disconnect the three flexible flat cables from the three connectors (CN2, CN3, and CN4) on the IF-1168 board.
2. Remove the two screws to detach the IF-1168 board.



3. Install the removed parts by reversing the steps of removal.

### 2-6-4. CN-3315 Board

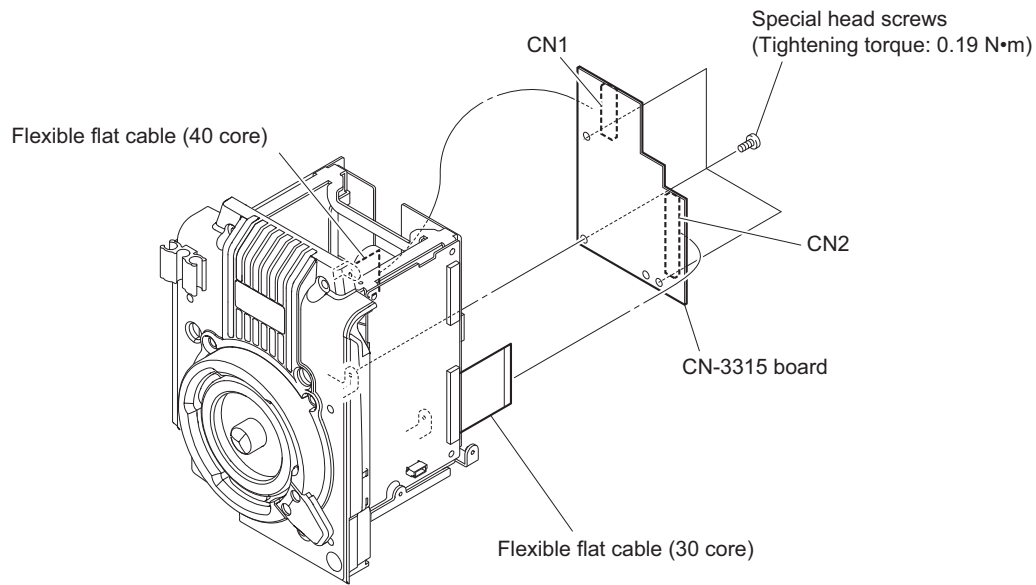
#### Preparation

1. Remove the front assembly. (Refer to “2-5. Front Assembly”.)
2. Remove the FD assembly. (Refer to “2-6-1. OHB Assembly”.)
3. Remove the OHB cover. (Refer to “2-6-2. DR-657S Board”.)

#### Procedure

1. Disconnect the two flexible flat cables from the two connectors (CN1, CN2) on the CN-3315 board.

2. Remove the three screws to detach the CN-3315 board.



3. Install the removed parts by reversing the steps of removal.

## 2-6-5. VA-243S Board

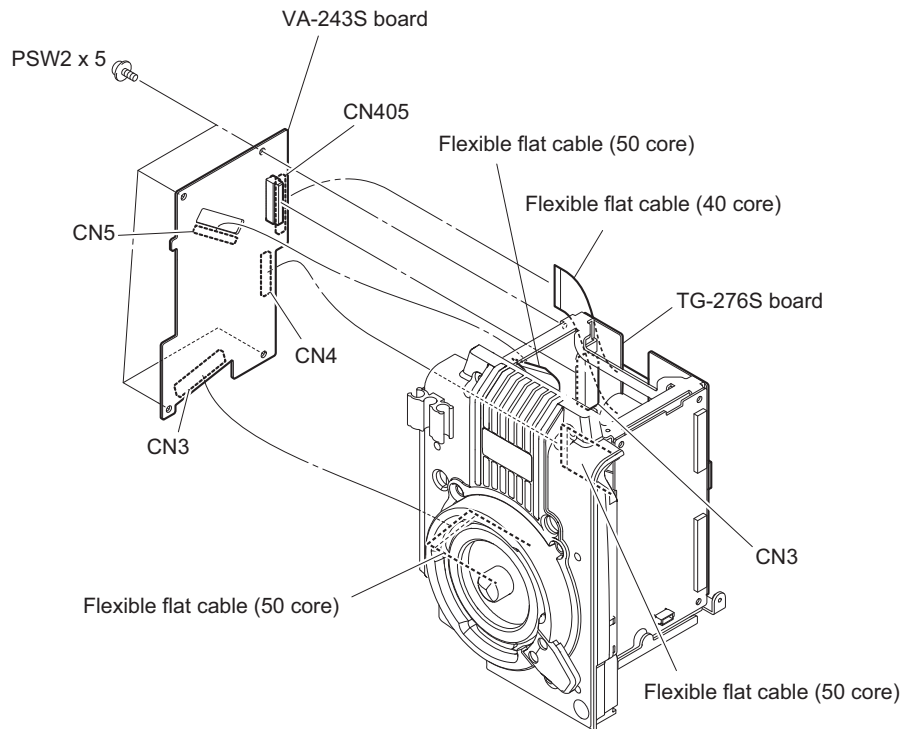
### Preparation

1. Remove the front assembly. (Refer to [“2-5. Front Assembly”](#).)
2. Remove the FD assembly. (Refer to [“2-6-1. OHB Assembly”](#).)
3. Remove the OHB cover. (Refer to [“2-6-2. DR-657S Board”](#).)

### Procedure

1. Disconnect the four flexible flat cables from the four connectors (CN3, CN4, CN5 and CN405) on the VA-243S board.

2. Remove the four screws to detach the VA-243S board from the connector (CN3) on the TG-276S board.



3. Install the removed parts by reversing the steps of removal.

## 2-6-6. TG-276S Board

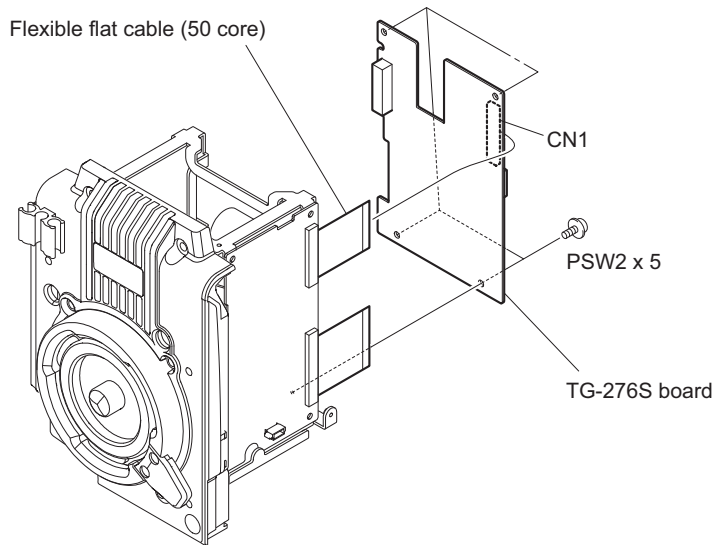
### Preparation

1. Remove the front assembly. (Refer to [“2-5. Front Assembly”](#).)
2. Remove the FD assembly. (Refer to [“2-6-1. OHB Assembly”](#).)
3. Remove the OHB cover. (Refer to [“2-6-2. DR-657S Board”](#).)
4. Remove the CN-3315 board. (Refer to [“2-6-4. CN-3315 Board”](#).)
5. Remove the VA-243S board. (Refer to [“2-6-5. VA-243S Board”](#).)

### Procedure

1. Disconnect the flexible flat cable from the connector (CN1) on the TG-276S board.

2. Remove the four screws to detach the TG-276S board.



3. Install the removed parts by reversing the steps of removal.

## 2-6-7. PA-388S/PA-389S/PA-390S Board

To replace one or more PA boards, replacing the OHB assembly is recommended.

### Note

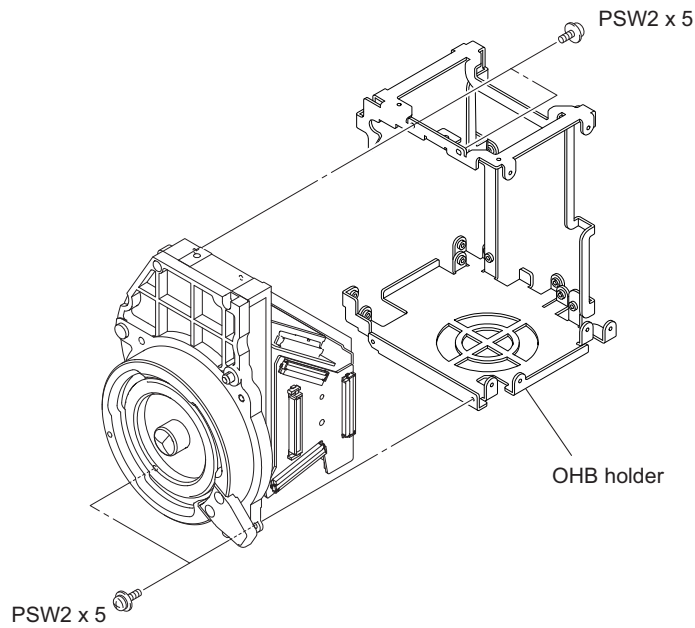
This unit uses three PA boards for R, G, and B channels. As an example, removal of the PA-388S board for the G channel is shown below.

### Preparation

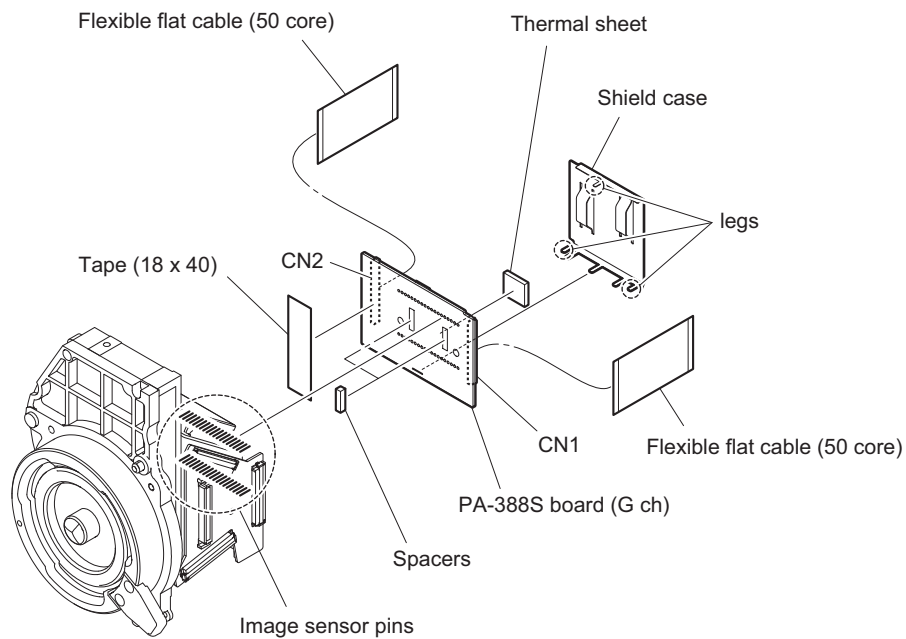
1. Remove the front assembly. (Refer to [“2-5. Front Assembly”](#).)
2. Remove the front panel assembly. (Refer to [“2-6-1. OHB Assembly”](#).)
3. Remove the DR-657S board. (Refer to [“2-6-2. DR-657S Board”](#).)
4. Remove the CN-3315 board. (Refer to [“2-6-4. CN-3315 Board”](#).)
5. Remove the VA-243S board. (Refer to [“2-6-5. VA-243S Board”](#).)
6. Remove the TG-276S board. (Refer to [“2-6-6. TG-276S Board”](#).)

## Procedure

1. Remove the four screws to detach the OHB holder.



2. Unsolder the three legs of the shield case to detach the shield case and the thermal sheet.
3. Disconnect the two flexible flat cables from the two connectors (CN1, CN2) on the PA-388S board (G ch).
4. Unsolder the image sensor pins to detach the PA-388S board (G ch).
5. Remove the two spacers and the tape (18 x 40) from the PA-388S board (G ch).



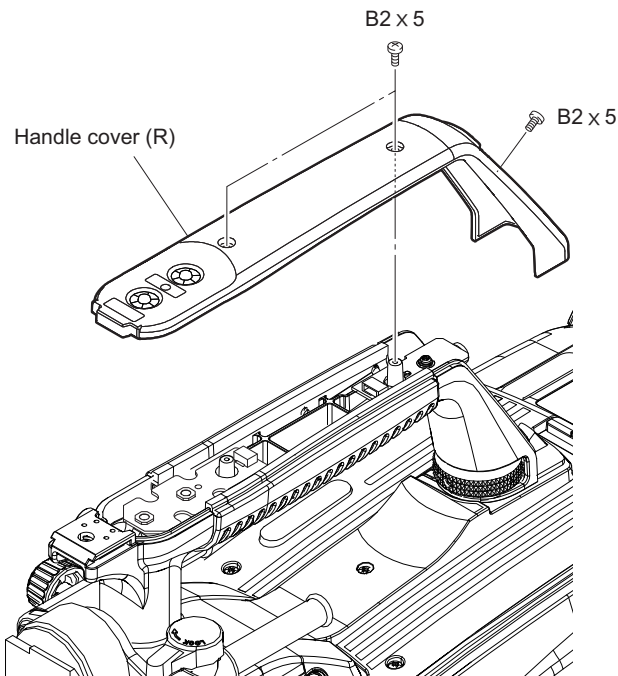
6. Install the removed parts by reversing the steps of removal.

## 2-7. Handle Block

### 2-7-1. LE-376 Board/SW-1524 Board

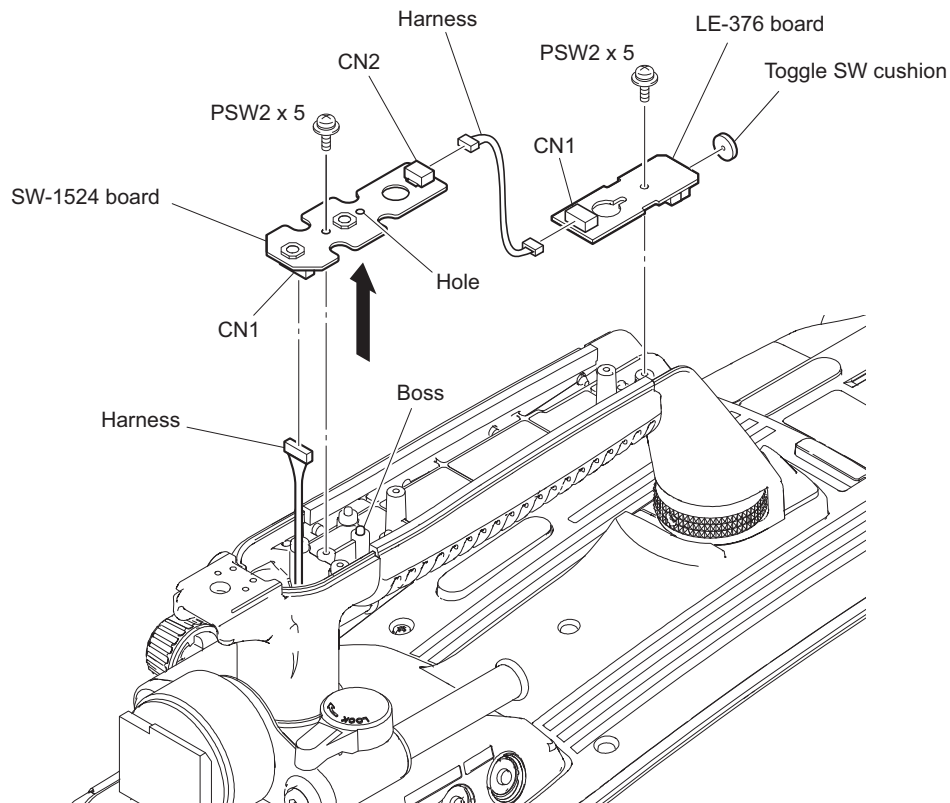
#### Procedure

1. Remove the three screws to detach the handle cover (R).



2. Disconnect the harness from the connector (CN1) on the LE-376 board.
3. Remove the screw to detach the LE-376 board.
4. Remove the toggle SW cushion.
5. Disconnect the harness from the connector (CN2) on the SW-1524 board.
6. Remove the screw to pull up the SW-1524 board in the direction of arrow.

7. Disconnect the harness from the connector (CN1) on the SW-1524 board.



**Note**

When installing the SW-1524 board, match the boss with the hole.

8. Install the removed parts by reversing the steps of removal.

## 2-7-2. VF Connector (CN-3422 Board)

### Preparation

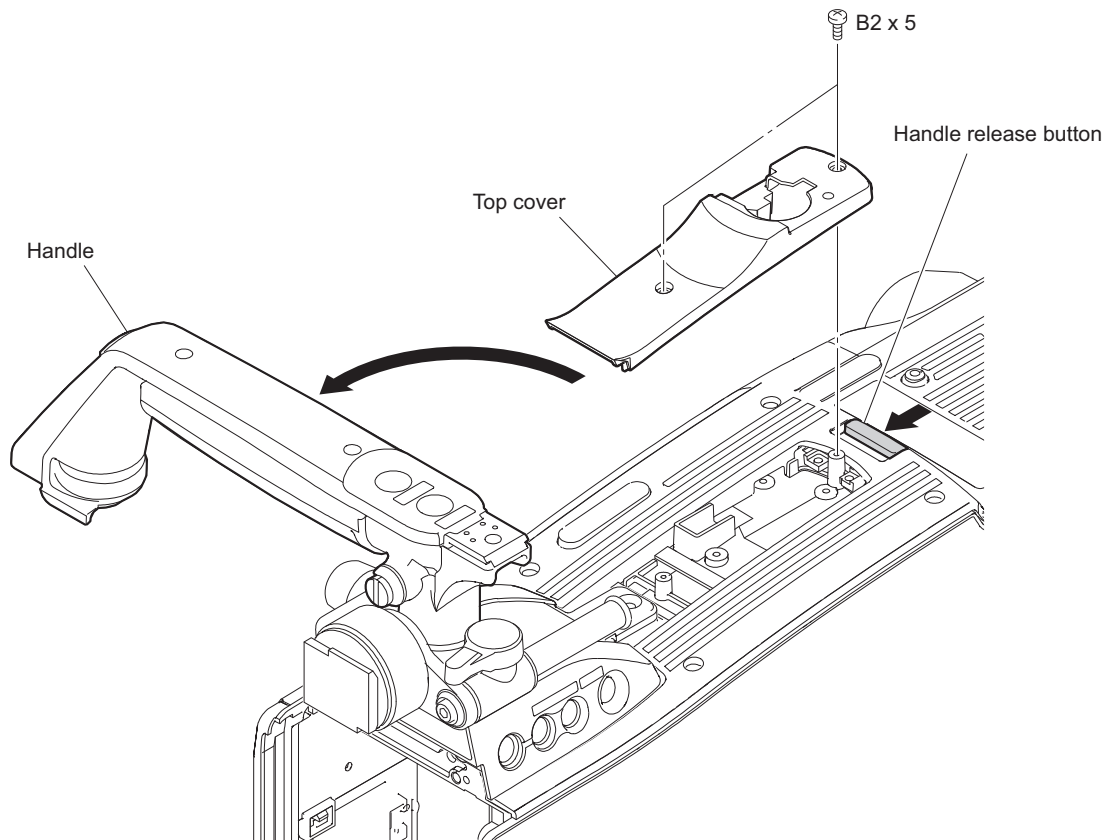
1. Remove the front assembly. (Refer to [“2-5. Front Assembly”](#).)

### Procedure

1. Press the handle release button and turn the handle in the direction of arrow.

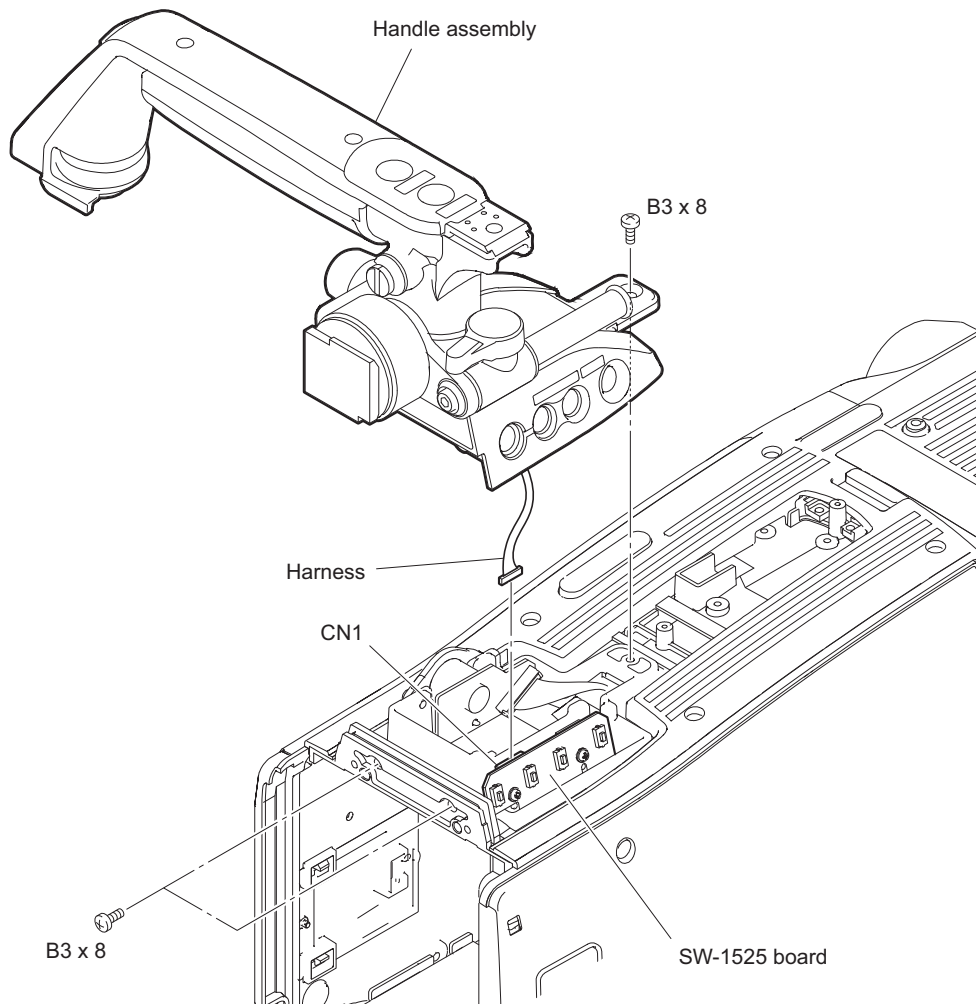


2. Remove the two screws to detach the top cover.

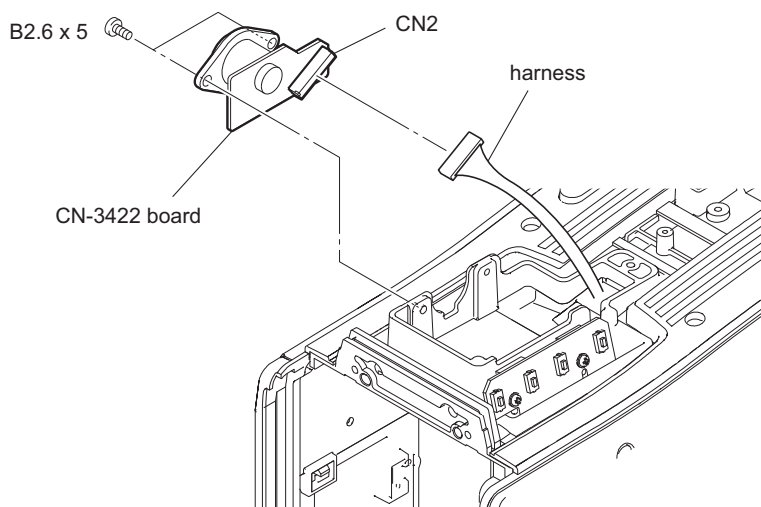


3. Remove the three screws to pull up the handle assembly.

4. Disconnect the harness from the connector (CN1) on the SW-1525 board and remove the handle assembly.



5. Disconnect the harness from the connector (CN2) on the CN-3422 board.  
6. Remove the two screws to detach the CN-3422 board.



7. Install the removed parts by reversing the steps of removal.

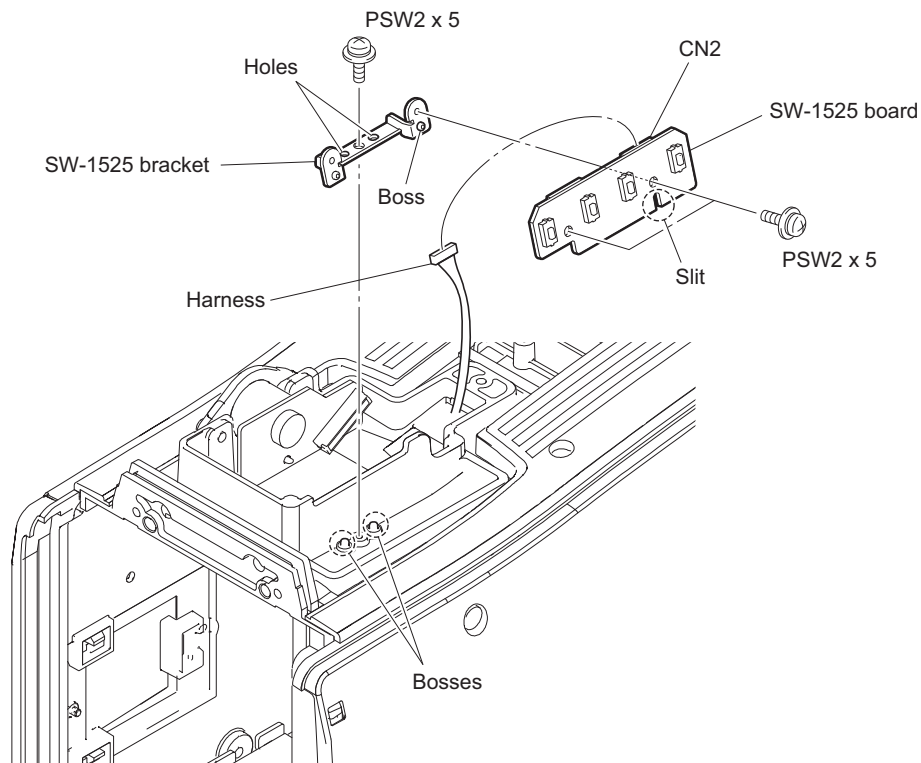
### 2-7-3. SW-1525 Board

#### Preparation

1. Remove the front assembly. (Refer to “2-5. Front Assembly”.)
2. Remove the handle assembly. (Refer to “2-7-2. VF Connector (CN-3422 Board)”.)

#### Procedure

1. Disconnect the harness from the connector (CN2) on the SW-1525 board.
2. Remove the screw to detach the SW-1525 bracket.
3. Remove the two screws to detach the SW-1525 board.



#### Note

When installing the SW-1525 board, match the boss with the slit and the two bosses with the two holes.

4. Install the removed parts by reversing the steps of removal.

## 2-8. Main Chassis Block

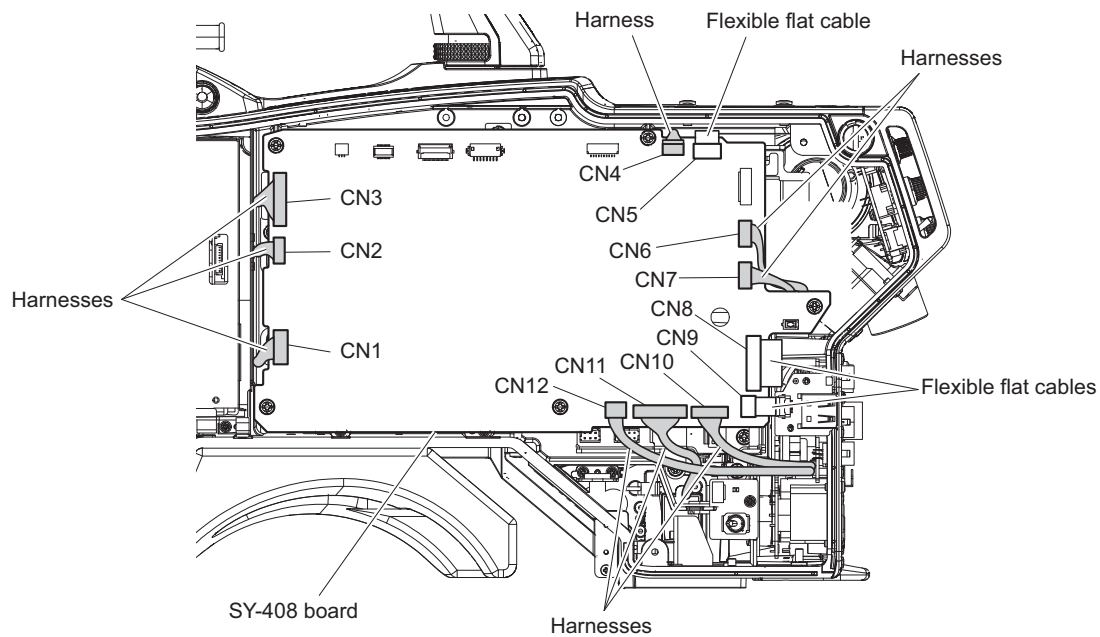
### 2-8-1. SY-408 Board/AT-189 Board

#### Preparation

1. Remove the inside panel assembly. (Refer to “[2-2. Inside Panel Assembly](#)”).

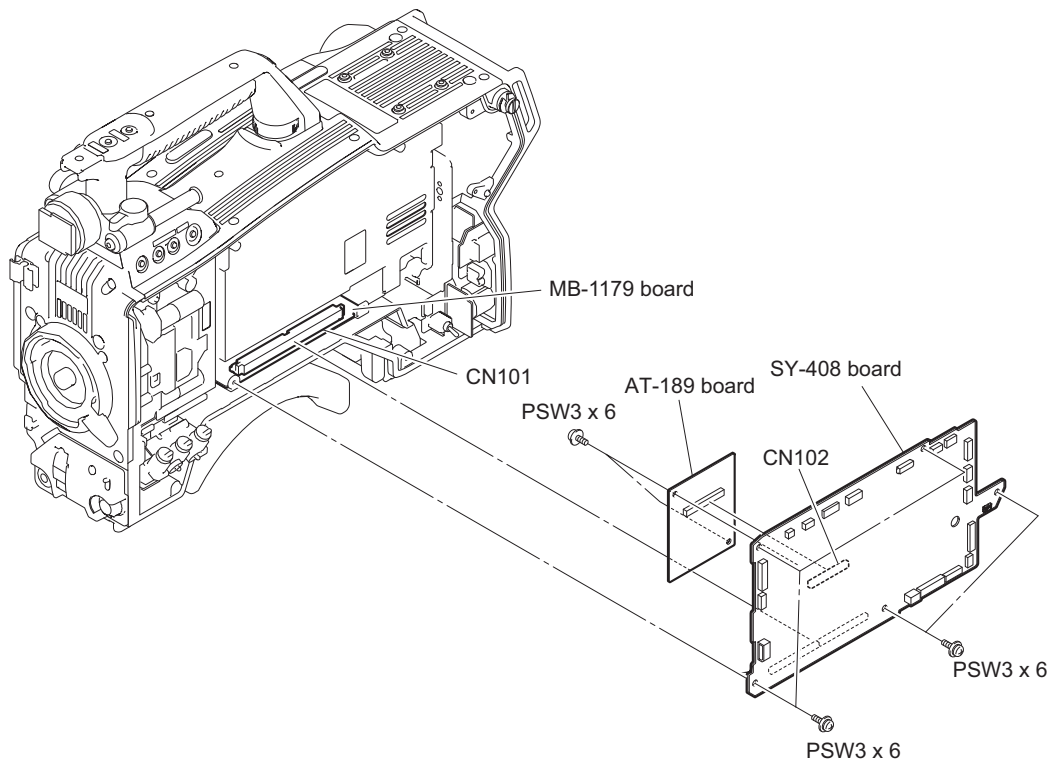
#### Procedure

1. Disconnect the three flexible flat cables from the three connectors (CN5, CN8, and CN9) on the SY-408 board.
2. Disconnect the nine harnesses from the nine connectors (CN1 to CN4, CN6, CN7, and CN10 to CN12) on the SY-408 board.



3. Remove the five screws.
4. Remove the SY-408 board from the connector (CN101) on the MB-1179 board.

5. Remove the two screws to detach the AT-189 board from the connector (CN102) on the SY-408 board.



6. Install the removed parts by reversing the steps of removal.

## 2-8-2. Power Block Assembly (RE-291 Board/PS-836 Board)

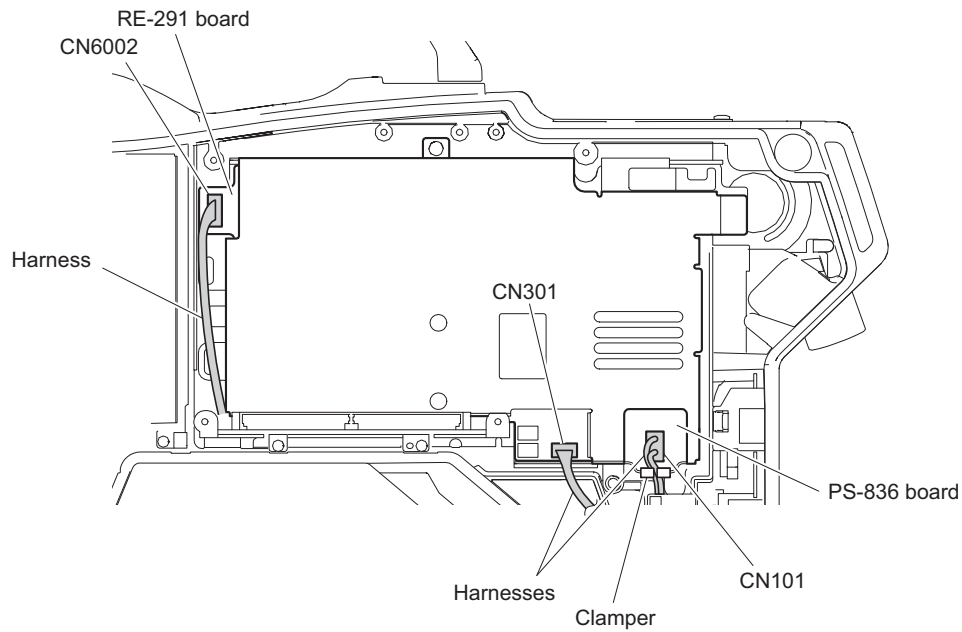
### Preparation

1. Remove the inside panel assembly. (Refer to “[2-2. Inside Panel Assembly](#)”.)
2. Remove the SY-408 Board. (Refer to “[2-8-1. SY-408 Board/AT-189 Board](#)”.)
3. Remove the outside panel assembly. (Refer to “[2-3-1. Outside Panel Assembly](#)”.)

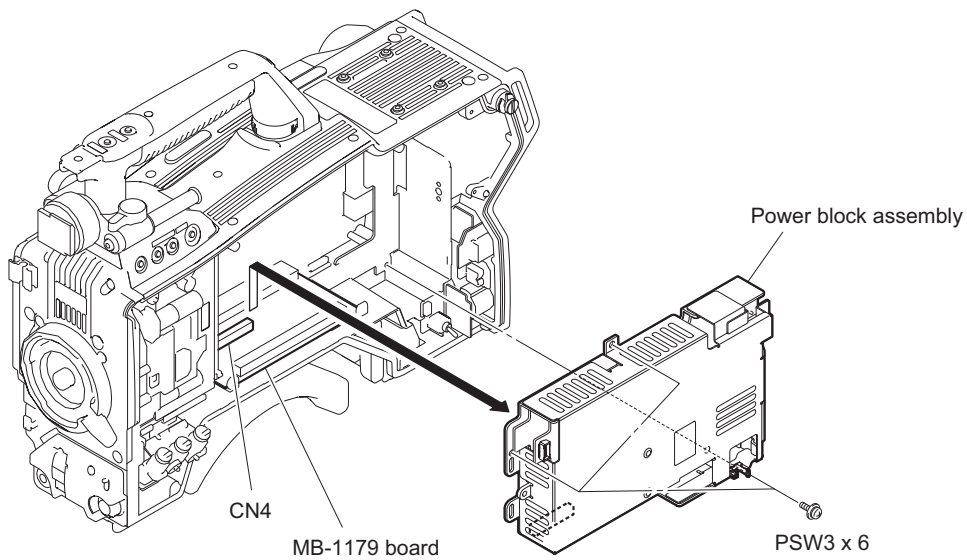
### Procedure

1. Disconnect the harness from the connector (CN6002) on the RE-291 board.
2. Release the harness from the clasper.

3. Disconnect the two harnesses from the two connectors (CN101, CN301) on the PS-836 board.

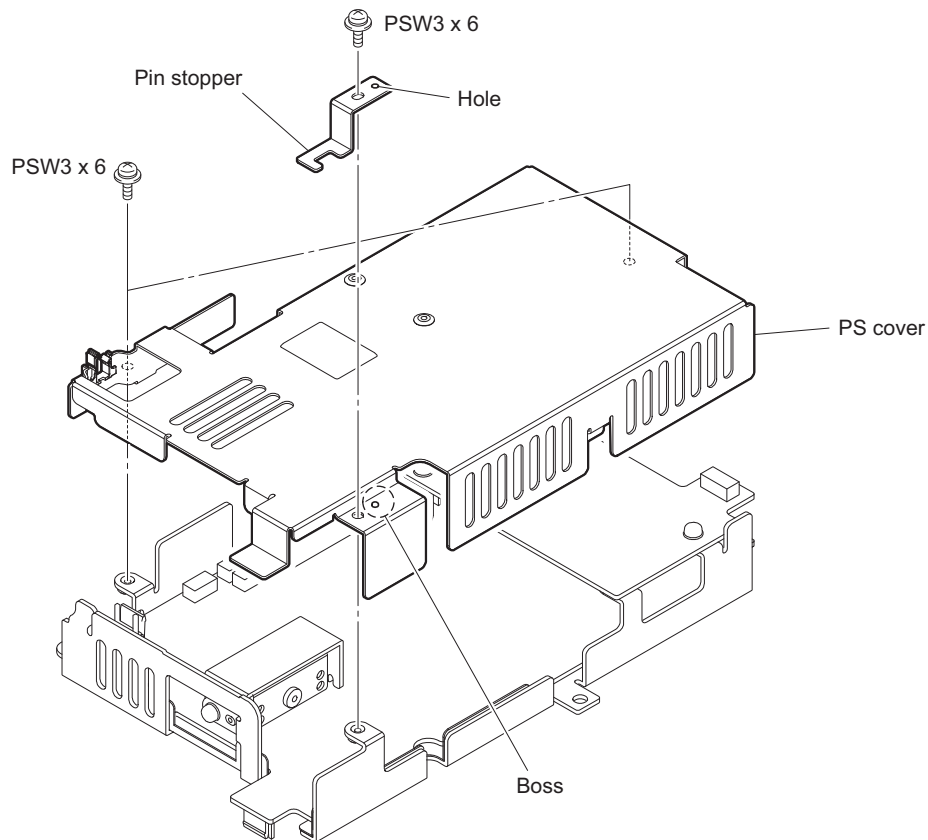


4. Remove the three screws to detach the power block assembly from the connector (CN4) on the MB-1179 board in the direction of arrow.



5. Remove the screw to detach the pin stopper.

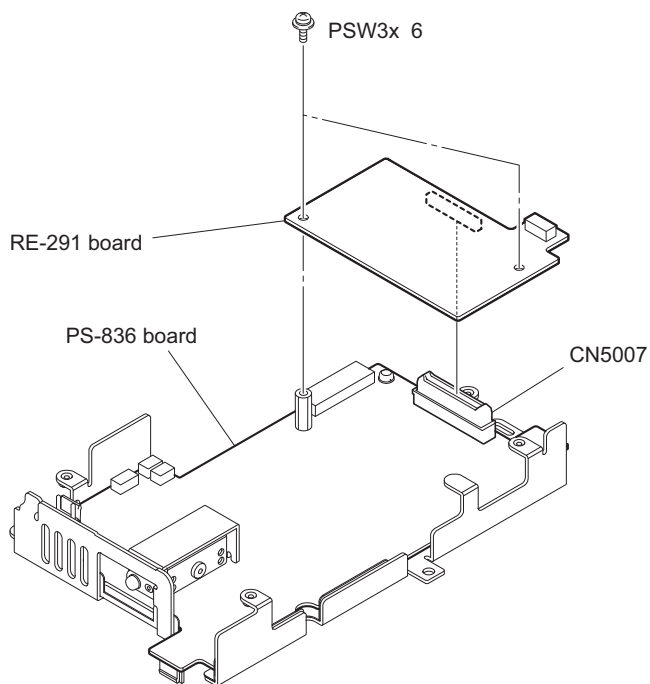
6. Remove the two screws to detach the PS cover.



**Note**

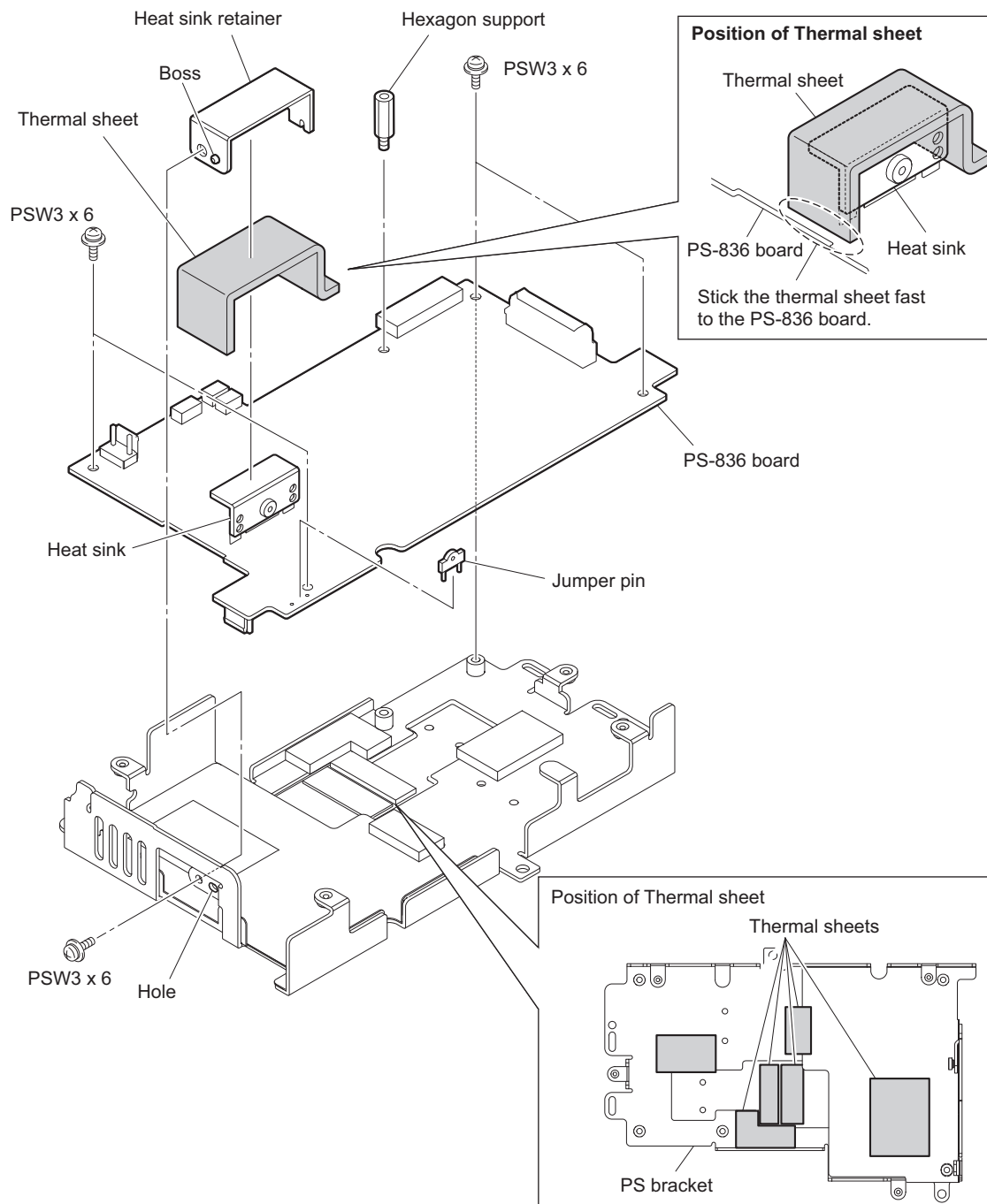
When installing the pin stopper, match the boss with the hole.

7. Remove the two screws to detach the RE-291 board from the connector (CN5007) on the PS-836 board.



8. Remove the screw to detach the heat sink retainer and thermal sheet.  
9. Remove the hexagon support.  
10. Remove the four screws to detach the PS-839 board.

11. Remove the jumper pin from the PS-836 board.



**Note**

- When installing the heat sink retainer, match the boss with the hole.
- If any thermal sheet peels off the PS bracket or the heat sink, stick it to the position shown in the figure.

12. Install the removed parts by reversing the steps of removal.

### 2-8-3. DPR-338 Board

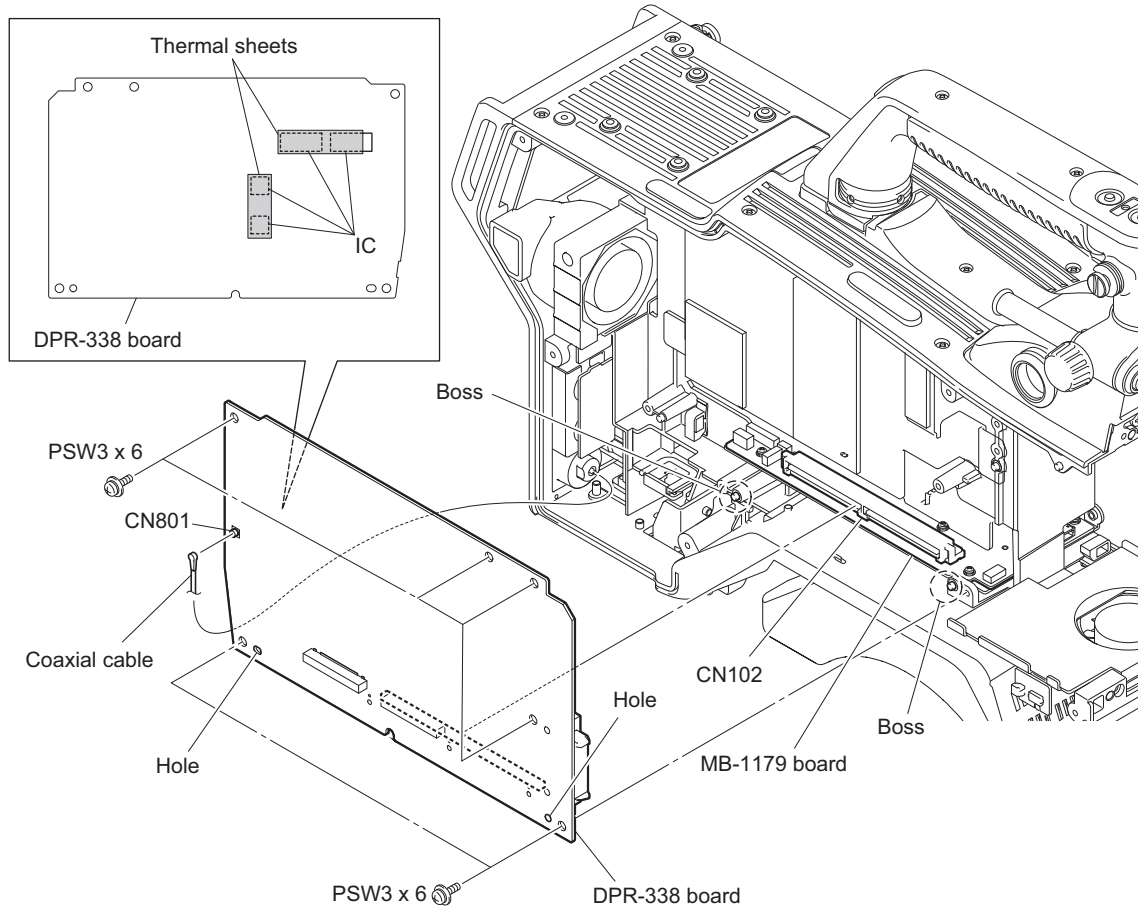
#### Preparation

1. Remove the outside panel assembly. (Refer to "2-3-1. Outside Panel Assembly".)
2. Remove the front assembly. (Refer to "2-5. Front Assembly".)



## Procedure

1. Disconnect the coaxial cable from the connector (CN801) on the DPR-338 board.
2. Remove the six screws to detach the DPR-338 board from the connector (CN102) on the MB-1179 board.
3. Remove the two thermal sheets from the DPR-338 board.



## Notes

- When installing the DPR-338 board, match the two bosses with the two holes.
- When attaching thermal sheets, attach them at the locations shown in the figure.

4. Install the removed parts by reversing the steps of removal.

## 2-8-4. MB-1179 Board

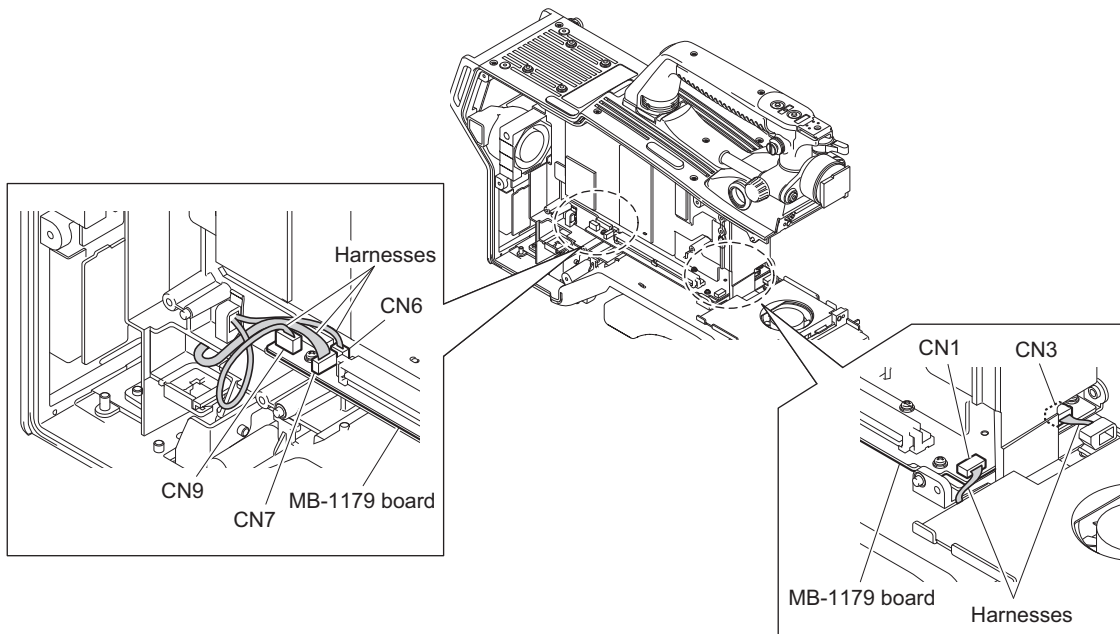
### Preparation

1. Remove the inside panel assembly. (Refer to “2-2. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-3-1. Outside Panel Assembly”.)
3. Remove the front assembly. (Refer to “2-5. Front Assembly”.)
4. Remove the SY-408 board. (Refer to “2-8-1. SY-408 Board/AT-189 Board”.)
5. Remove the power block assembly. (Refer to “2-8-2. Power Block Assembly (RE-291 Board/PS-836 Board)”.)
6. Remove the DPR-338 board. (Refer to “2-8-3. DPR-338 Board”.)

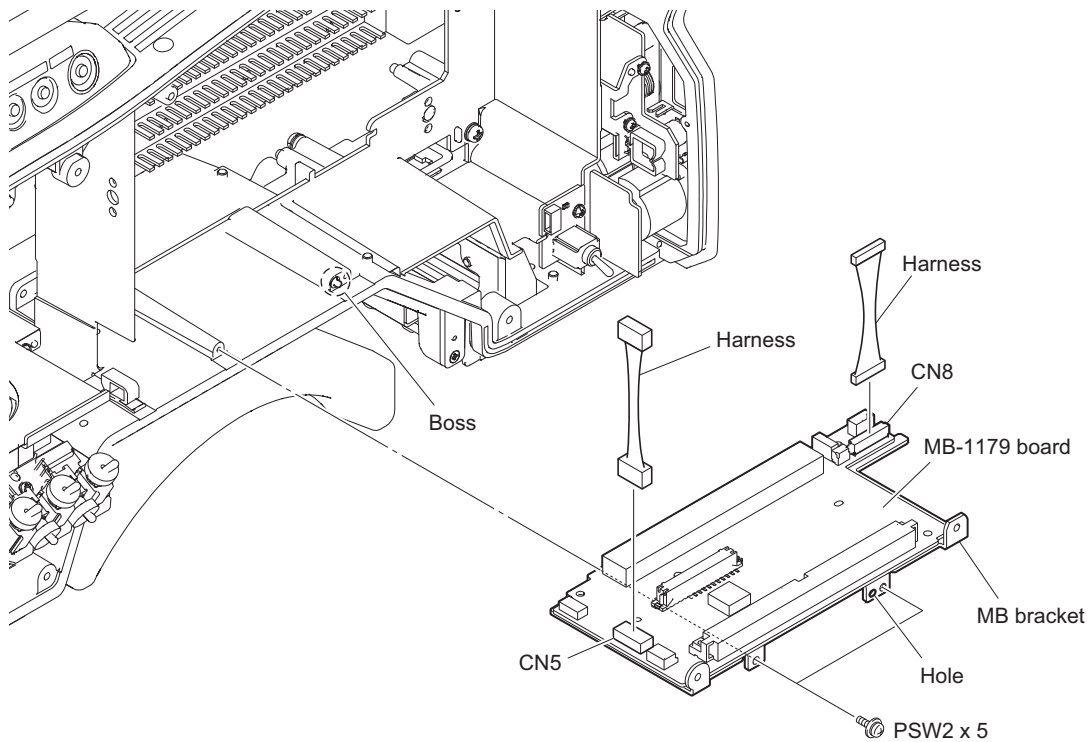
### Procedure

1. Disconnect the three harnesses from the three connectors (CN6, CN7, and CN9) on the MB-1179 board.

2. Disconnect the two harnesses from the connectors (CN1, CN3) on the MB-1179 board.



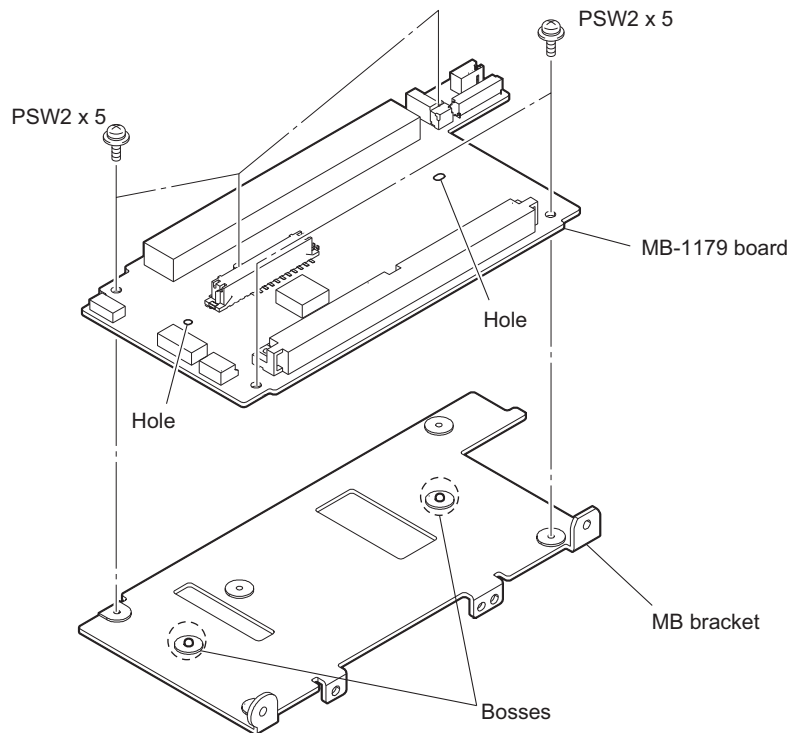
3. Remove the two screws to detach the MB bracket.
4. Disconnect the two harnesses from the two connectors (CN5, CN8) on the MB-1179 board.



**Note**

When installing the MB bracket, match the boss with the hole.

5. Remove the five screws to detach the MB-1179 board from the MB bracket.



**Note**

When installing the MB-1179 board, match the two bosses with the two holes.

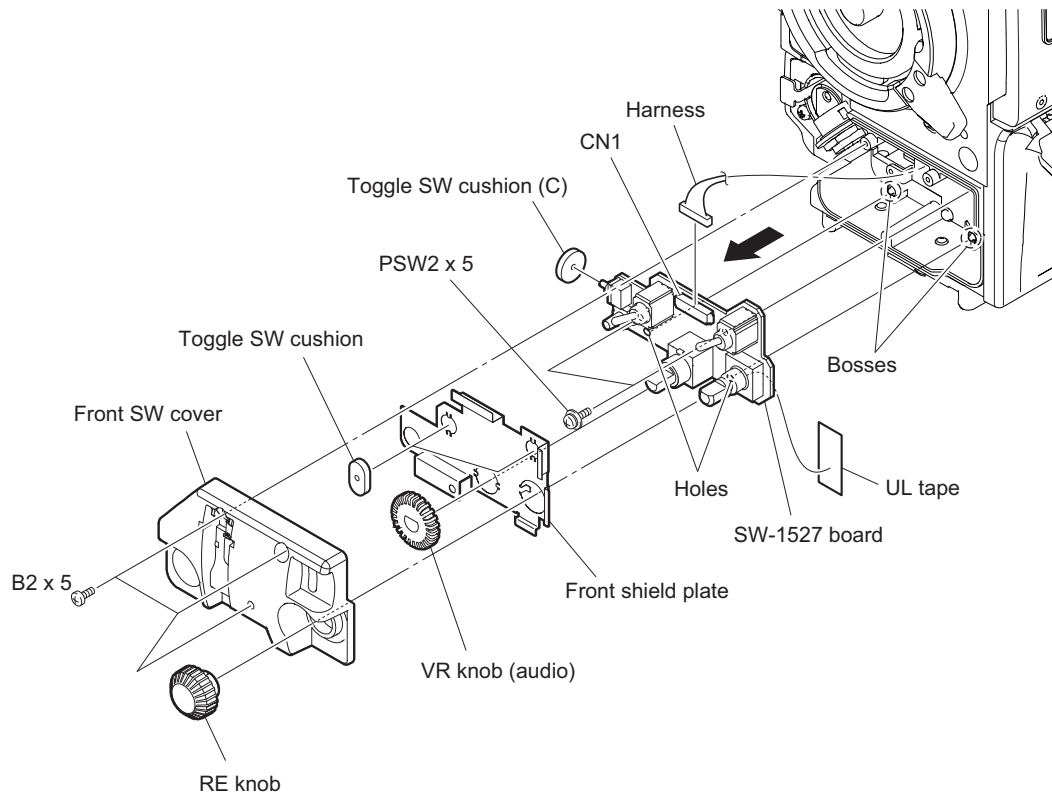
6. Install the removed parts by reversing the steps of removal.

## 2-8-5. SW-1527 Board

### Procedure

1. Remove the RE knob.
2. Remove the three screws (B2 x 5) to detach the front SW cover.
3. Remove the toggle SW cushion (C), two toggle SW cushions, VR knob (audio), and front shield plate.
4. Remove the two screws (PSW2 x 5) and pull out the SW-1527 board in the direction of arrow.
5. Disconnect the harness from the connector (CN1) on the SW-1527 board.

6. Remove the UL tape from the SW-1527 board.



**Note**

When installing the SW-1527 board, match the two bosses with the two holes.

7. Install the removed parts by reversing the steps of removal.

## 2-8-6. CN-3423 Board

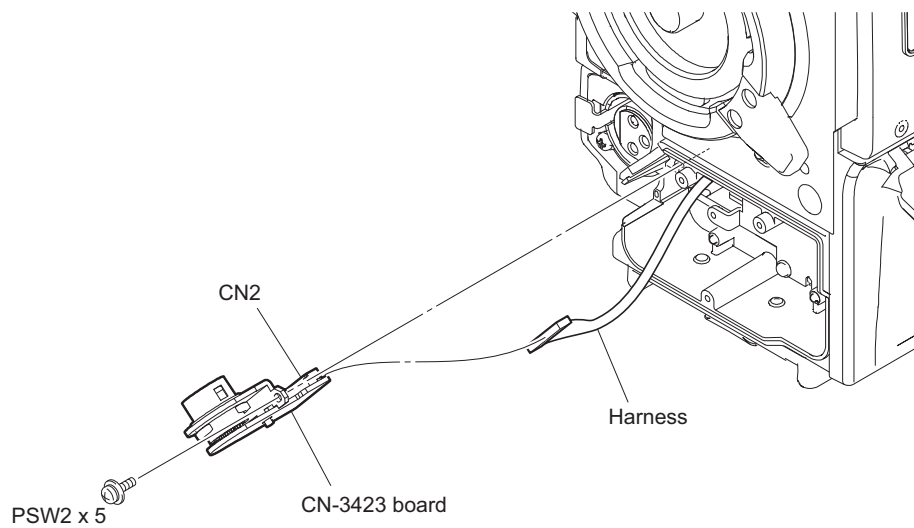
### Preparation

1. Remove the SW-1527 Board. (Refer to [“2-8-5. SW-1527 Board”](#).)

### Procedure

1. Remove the screw and pull out the CN-3423 board.

2. Disconnect the harness from the connector (CN2) on the CN-3423 board.



3. Install the removed parts by reversing the steps of removal.

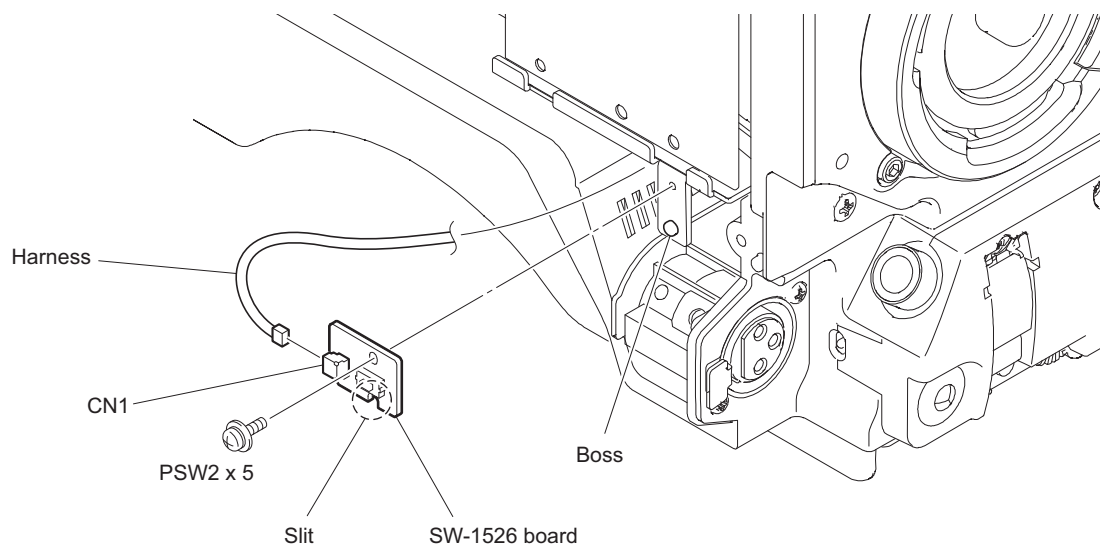
## 2-8-7. SW-1526 Board

### Preparation

1. Remove the outside panel assembly. (Refer to “[2-3-1. Outside Panel Assembly](#)”.)

### Procedure

1. Remove the screw and pull out the SW-1526 board.
2. Disconnect the harness from the connector (CN1) on the SW-1526 board.



### Note

When installing the SW-1526 board, match the boss with the slit.

3. Install the removed parts by reversing the steps of removal.

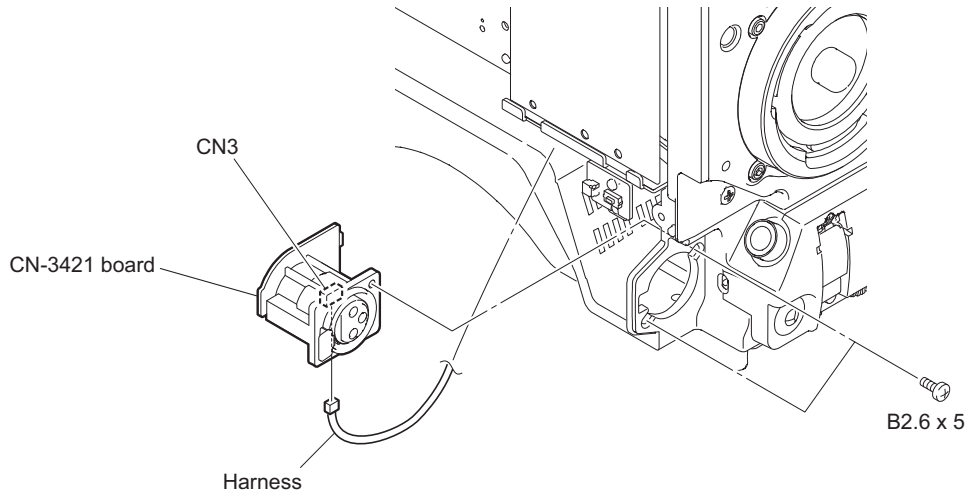
## 2-8-8. CN-3421 Board

### Preparation

1. Remove the outside panel assembly. (Refer to [“2-3-1. Outside Panel Assembly”](#).)

### Procedure

1. Remove the two screws and pull out the CN-3421 board.
2. Disconnect the harness from the connector (CN3) on the CN-3421 board.



3. Install the removed parts by reversing the steps of removal.

## 2-8-9. SW-1528 Board

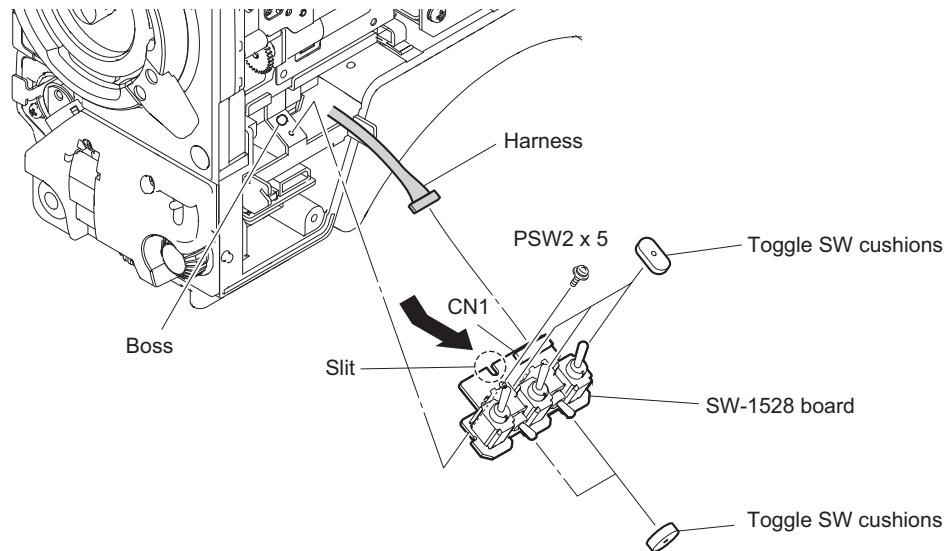
### Preparation

1. Remove the inside panel assembly. (Refer to [“2-2. Inside Panel Assembly”](#).)

### Procedure

1. Remove the five toggle SW cushions.
2. Remove the screw and pull out the SW-1528 board in the direction of arrow.

3. Disconnect the harness from the connector (CN1) on the SW-1528 board.



**Note**

When installing the SW-1528 board, match boss with the slit.

4. Install the removed parts by reversing the steps of removal.

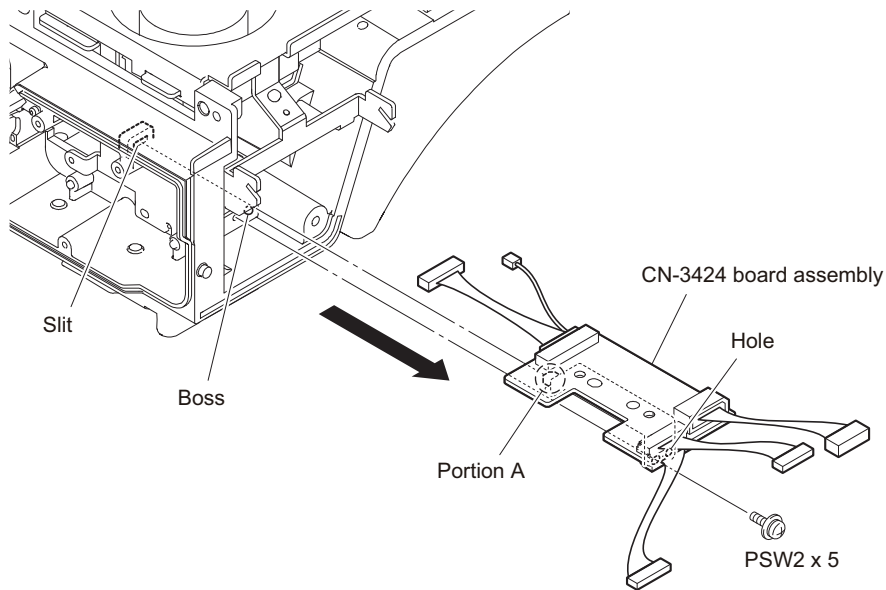
## 2-8-10. CN-3424 Board

### Preparation

1. Remove the inside panel assembly. (Refer to “[2-2. Inside Panel Assembly](#)”.)
2. Remove the outside panel assembly. (Refer to “[2-3-1. Outside Panel Assembly](#)”.)
3. Remove the front assembly. (Refer to “[2-5. Front Assembly](#)”.)
4. Remove the SW-1526 board. (Refer to “[2-8-7. SW-1526 Board](#)”.)
5. Remove the SW-1528 board. (Refer to “[2-8-9. SW-1528 Board](#)”.)
6. Remove the SW-1527 board. (Refer to “[2-8-5. SW-1527 Board](#)”.)
7. Remove the CN-3423 board. ( Refer to “[2-8-6. CN-3423 Board](#)”.)

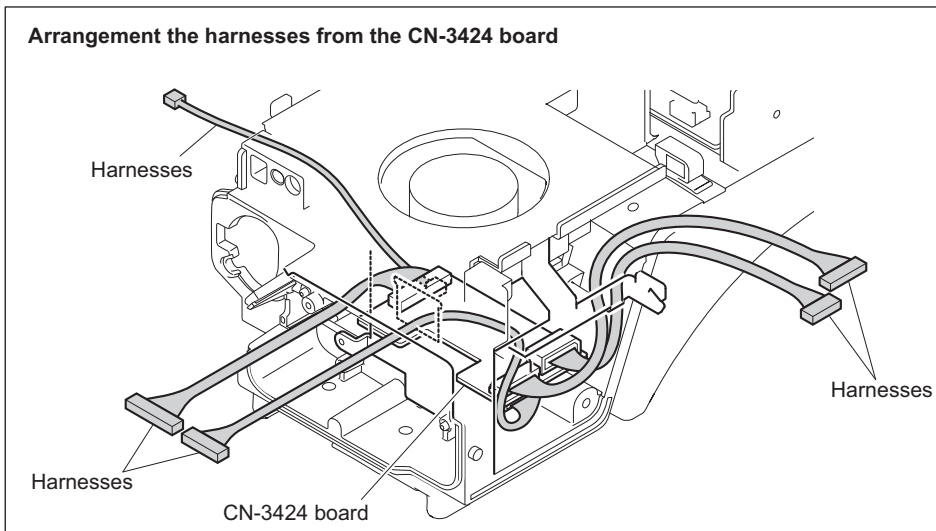
## Procedure

1. Remove the screw to detach the CN-3424 board assembly.



### Note

When installing the CN-3424 board assembly, match the portion A with the slit.



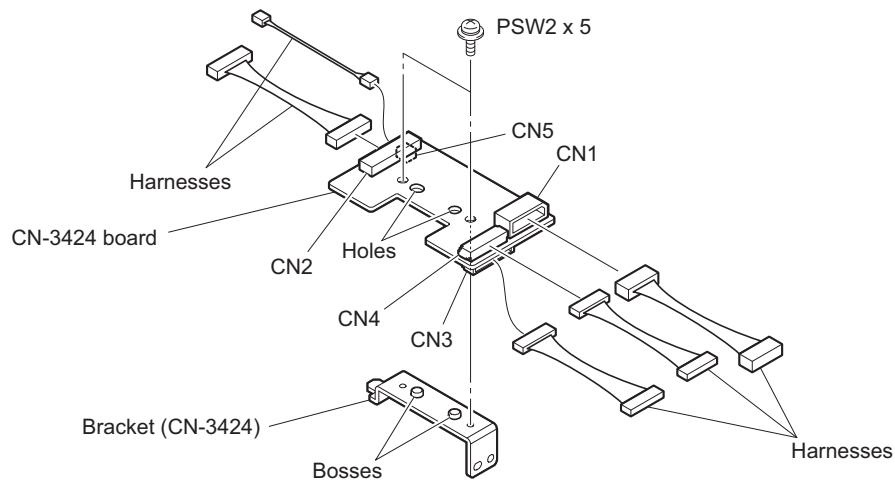
### Note

When installing the CN-3424 board, arrange the harnesses as shown in the figure.

2. Disconnect the five harnesses from the five connectors (CN1 to CN5) on the CN-3424 board.



3. Remove the two screws to detach the bracket (CN-3424).



**Note**

When installing the bracket (CN-3424), match the two bosses with the two holes.

4. Install the removed parts by reversing the steps of removal.

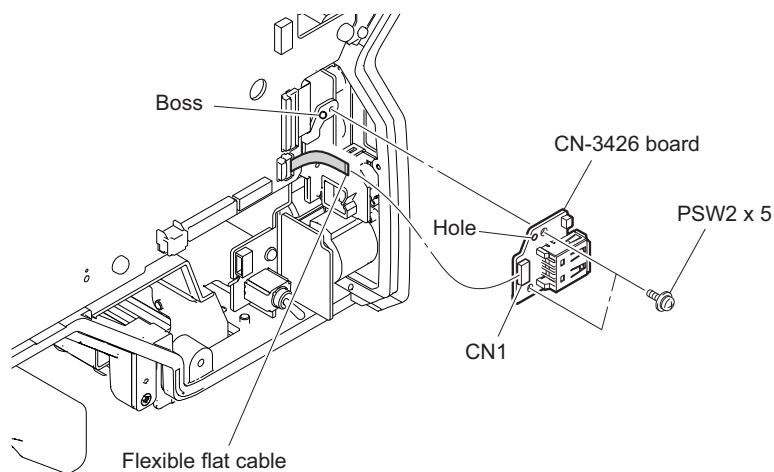
## 2-8-11. CN-3426 Board

### Preparation

1. Remove the inside panel assembly. (Refer to “[2-2. Inside Panel Assembly](#)”.)

### Procedure

1. Disconnect the flexible flat cable from the connector (CN1) on the CN-3426 board.
2. Remove the two screws to detach the CN-3426 board.



**Note**

When installing the CN-3426 board, match the boss with the hole.

3. Install the removed parts by reversing the steps of removal.

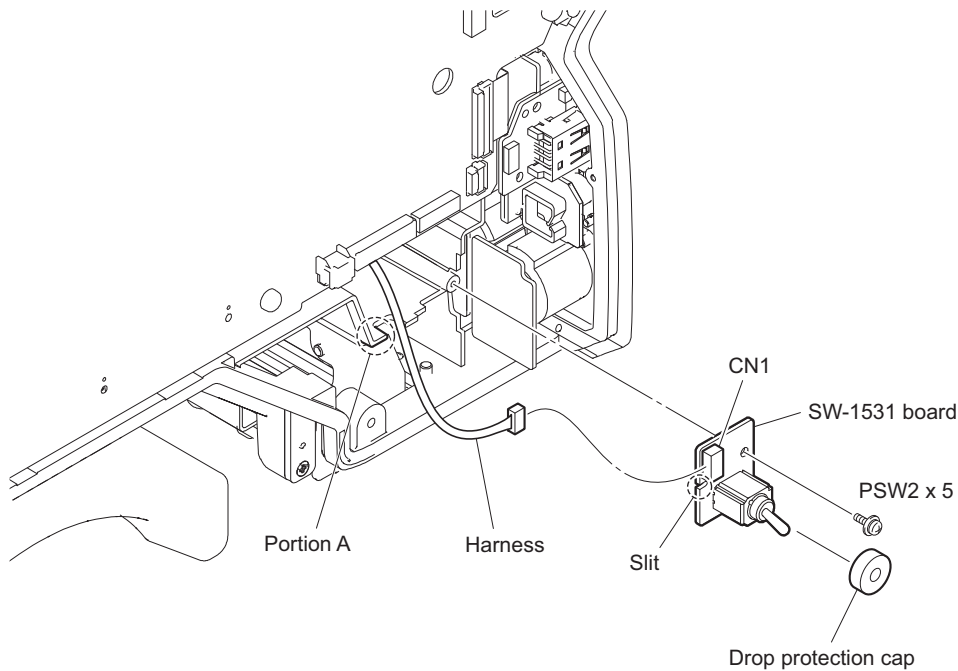
## 2-8-12. SW-1531 Board

### Preparation

1. Remove the inside panel assembly. (Refer to “2-2. Inside Panel Assembly”.)

### Procedure

1. Remove the drop protection cap.
2. Remove the screw and pull out the SW-1531 board.
3. Disconnect the harness from the connector (CN1) on the SW-1531 board.



### Note

When installing the SW-1531 board, match the slit with the portion A.

4. Install the removed parts by reversing the steps of removal.

## 2-8-13. BUILD UP Connector

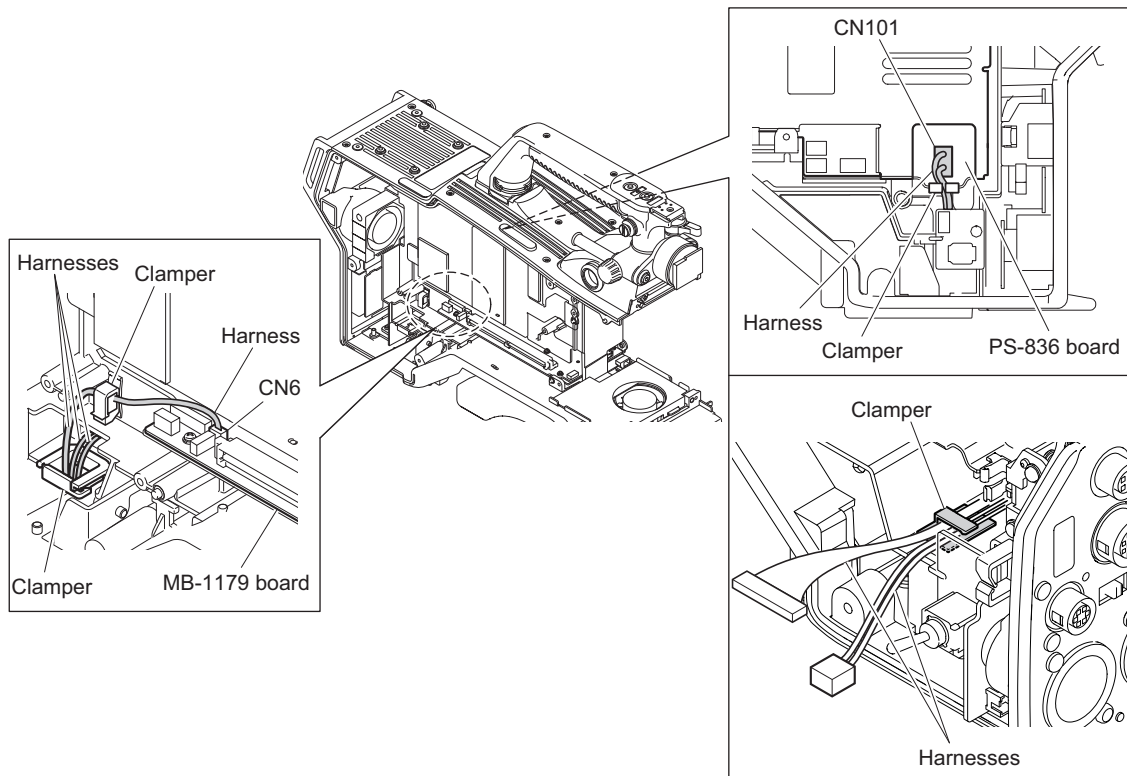
### Preparation

1. Remove the inside panel assembly. (Refer to “2-2. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-3-1. Outside Panel Assembly”.)
3. Remove the SY-408 board. (Refer to “2-8-1. SY-408 Board/AT-189 Board”.)
4. Remove the DPR-338 board. (Refer to “2-8-3. DPR-338 Board”.)

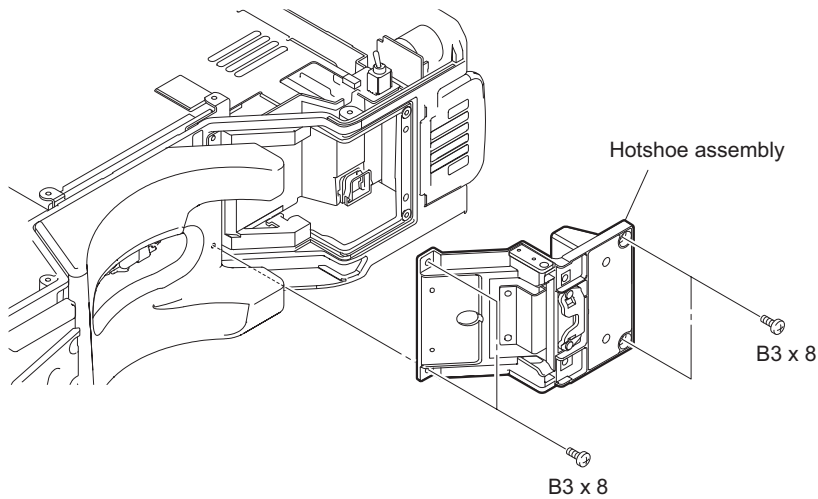
### Procedure

1. Disconnect the harness from the connector (CN101) on the PS-836 board and release the harness from the two clampers.

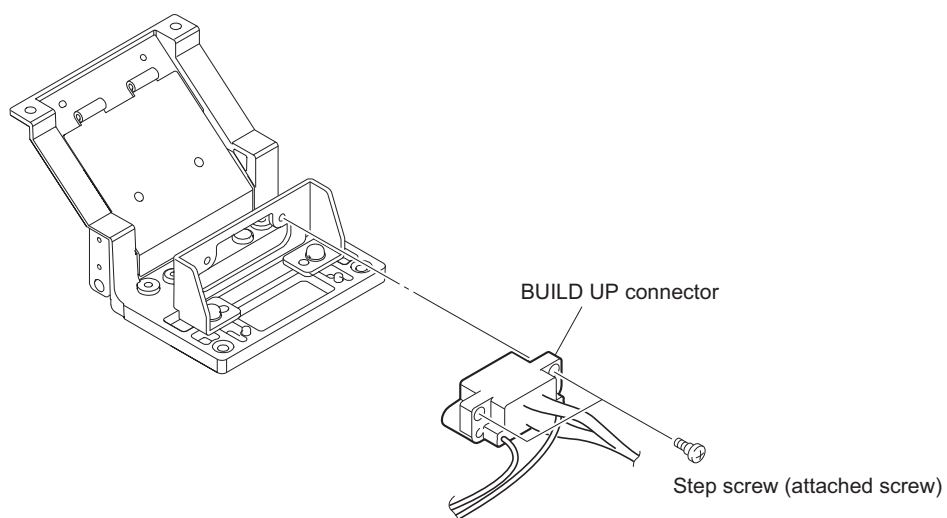
2. Disconnect the harness from the connector (CN6) on the MB-1179 board and release the harness from the two clampers.



3. Remove the four screws to detach the hotshoe assembly.



4. Remove the two screws to detach the BUILD UP connector.



5. Install the removed parts by reversing the steps of removal.

## 2-9. Fan

### 2-9-1. DC Fan (Front)

#### Preparation

1. Remove the inside panel assembly. (Refer to “2-2. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-3-1. Outside Panel Assembly”.)
3. Remove the front assembly. (Refer to “2-5. Front Assembly”.)

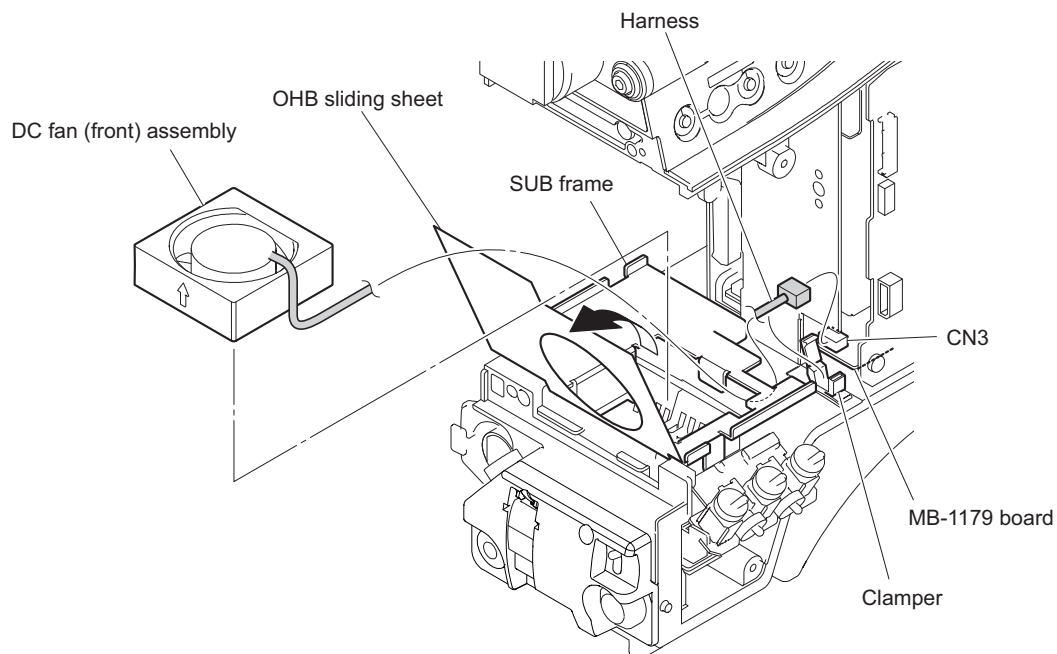
#### Procedure

1. Release the harness from the clasper.
2. Disconnect the harness from the connector (CN3) on the MB-1179 board.
3. Open the OHB sliding sheet as shown in the figure.

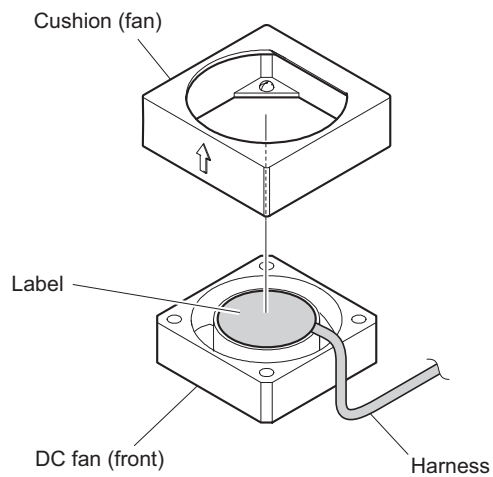
#### Note

The OHB sliding sheet is attached to the SUB frame. When removing it, be careful not to damage the SUB frame.

4. Remove the DC fan (front) assembly.



5. Remove the DC fan (front) from the cushion (fan).



**Note**

When installing the DC fan (front), carefully install it paying attention to the label and harness locations.

6. Install the removed parts by reversing the steps of removal.

## 2-9-2. DC Fan (Rear)

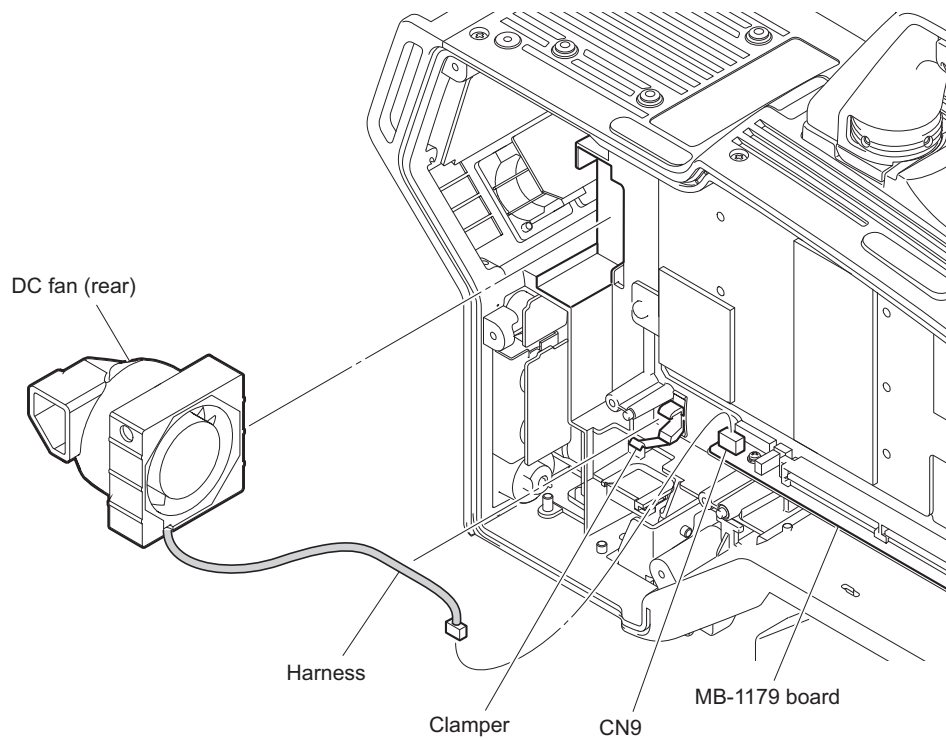
### Preparation

1. Remove the outside panel assembly. (Refer to [“2-3-1. Outside Panel Assembly”](#).)
2. Remove the front assembly. (Refer to [“2-5. Front Assembly”](#).)
3. Remove the DPR-338 board. (Refer to [“2-8-3. DPR-338 Board”](#).)

### Procedure

1. Release the harness from the clamper.
2. Disconnect the harness from the connector (CN9) on the MB-1179 board.

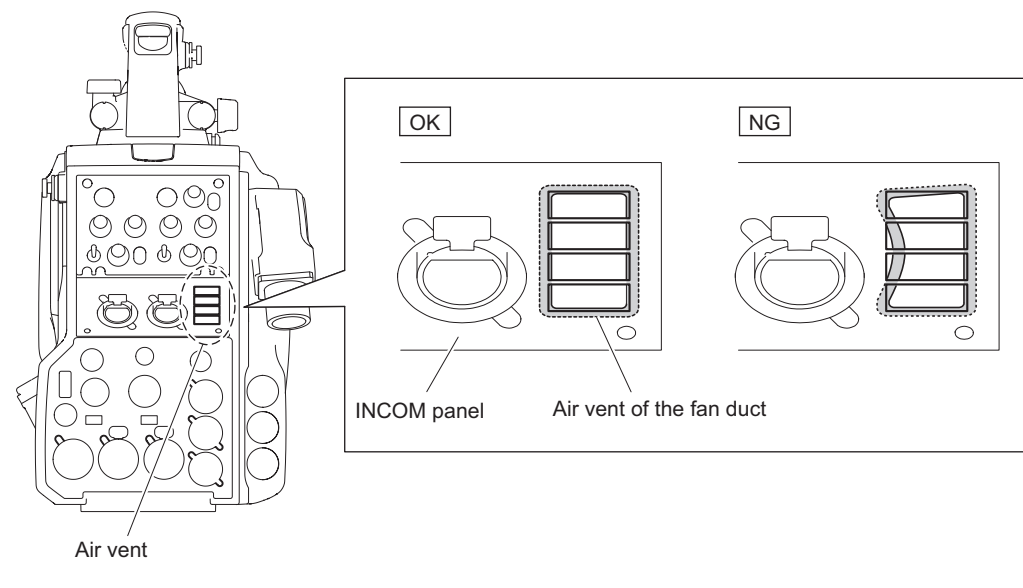
3. Remove the DC fan (rear).



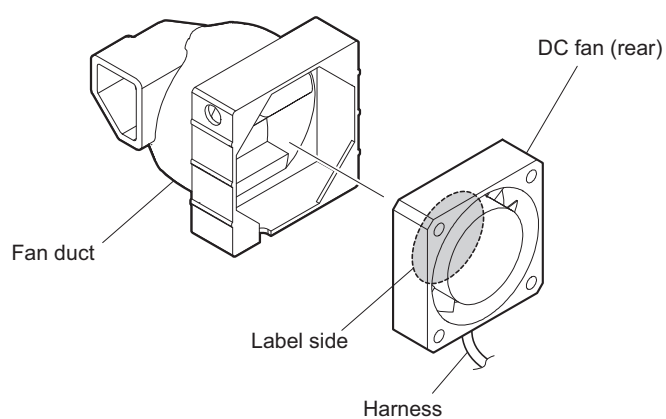
**Note**

When installing the DC fan (rear), be careful not to deform the air vent of the fan duct.

**Position of fan duct**



4. Remove the DC fan (rear) from the fan duct.



**Note**

When installing the DC fan (rear), carefully install it paying attention to the label and harness locations.

5. Install the removed parts by reversing the steps of removal.



## 2-10. MIC Panel Block

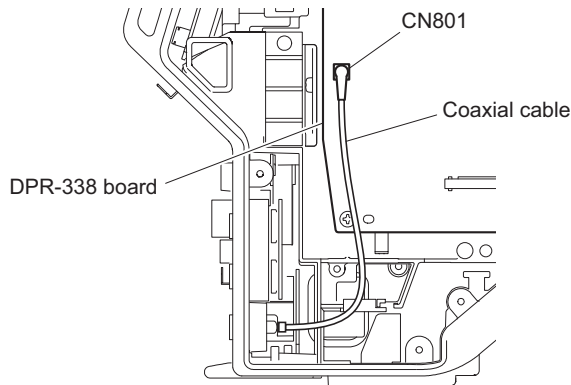
### 2-10-1. CN-3429 Board/CN-3427 Board

#### Preparation

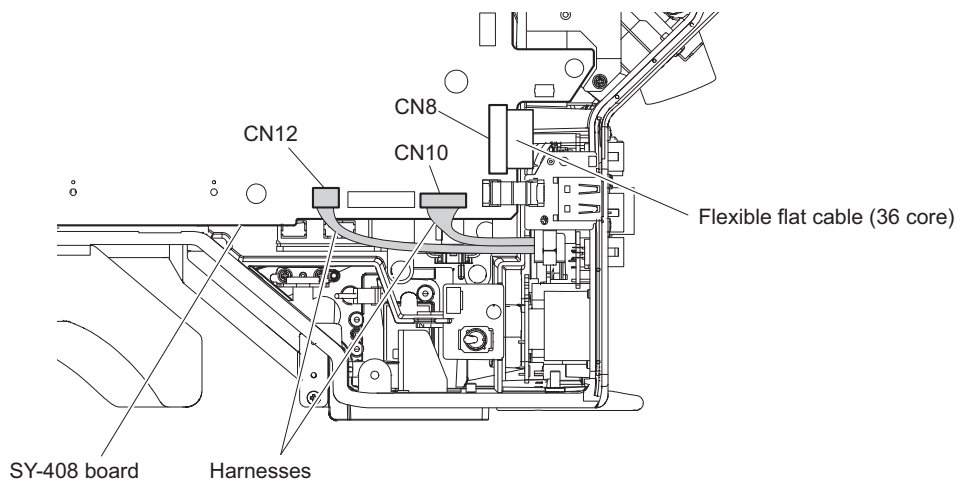
1. Remove the inside panel assembly. (Refer to “2-2. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-3-1. Outside Panel Assembly”.)

#### Procedure

1. Disconnect the coaxial cable from the connector (CN801) on the DPR-338 board.

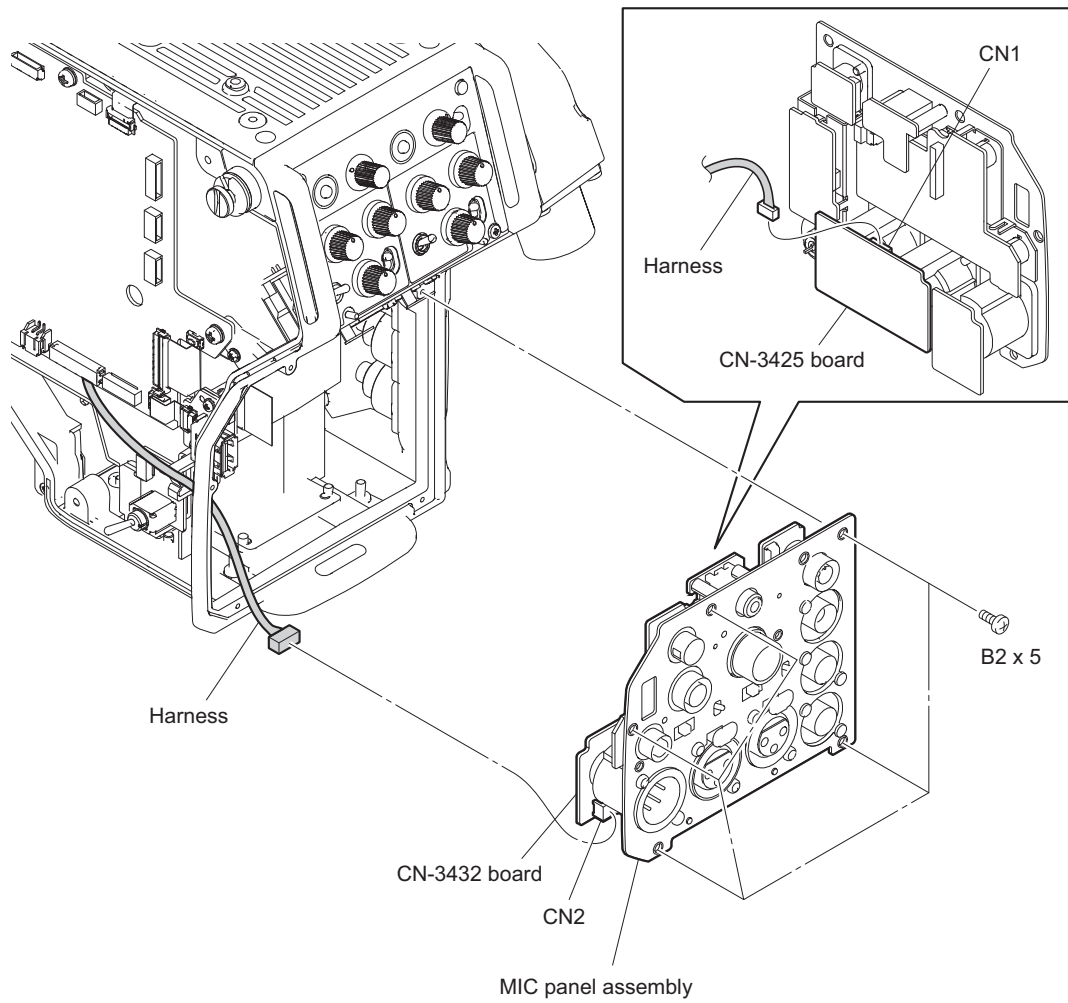


2. Disconnect the flexible flat cable from the connector (CN8) on the SY-408 board.
3. Disconnect the two harnesses from the two connectors (CN10, CN12) on the SY-408 board.

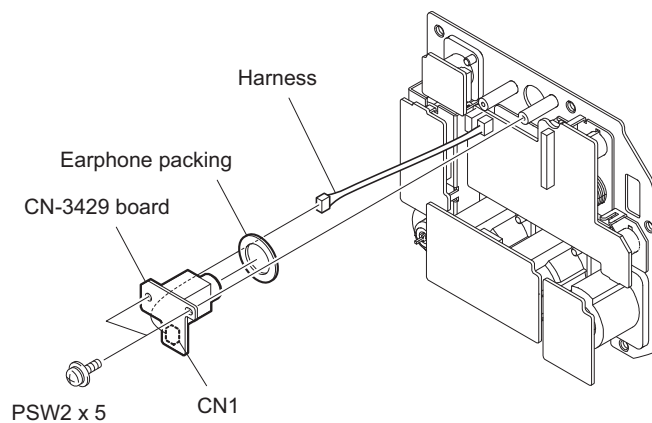


4. Remove the five screws and pull out the MIC panel assembly.
5. Disconnect the harness from the connector (CN2) on the CN-3432 board.

6. Disconnect the harness from the connector (CN1) on the CN-3425 board.

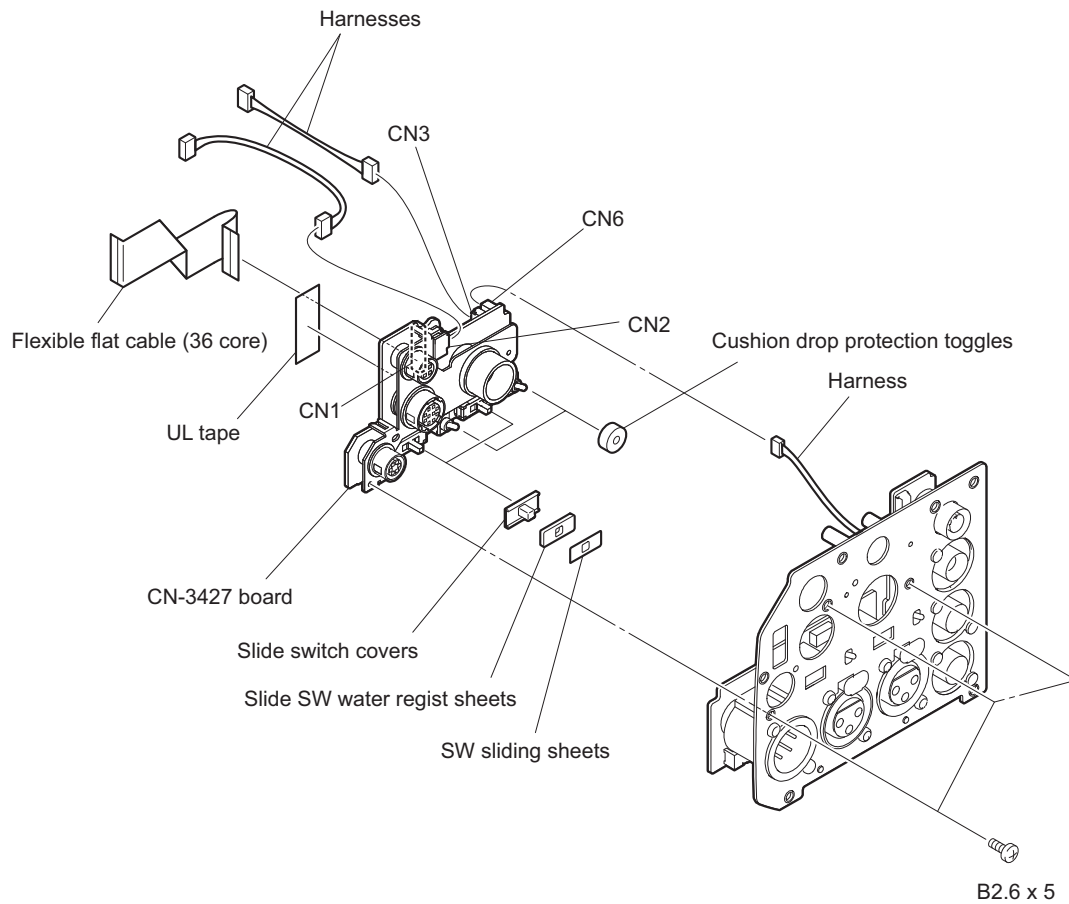


7. Remove the two screws and pull out the CN-3429 board.  
8. Disconnect the harness from the connector (CN1) on the CN-3429 board and remove the earphone packing.



9. Disconnect the flexible flat cable from the connector (CN1) on the CN-3427 board.  
10. Remove the UL tape.  
11. Disconnect the three harnesses from the three connectors (CN2 CN3 and CN6) on the CN-3427 board.

12. Remove the three screws to detach the CN-3427 board, two cushion drop protection toggles, two SW sliding sheets, two slide SW water regist sheets, and two slide switch covers.



13. Install the removed parts by reversing the steps of removal.

## 2-10-2. AUDIO IN Connector (CN-3425 Board)

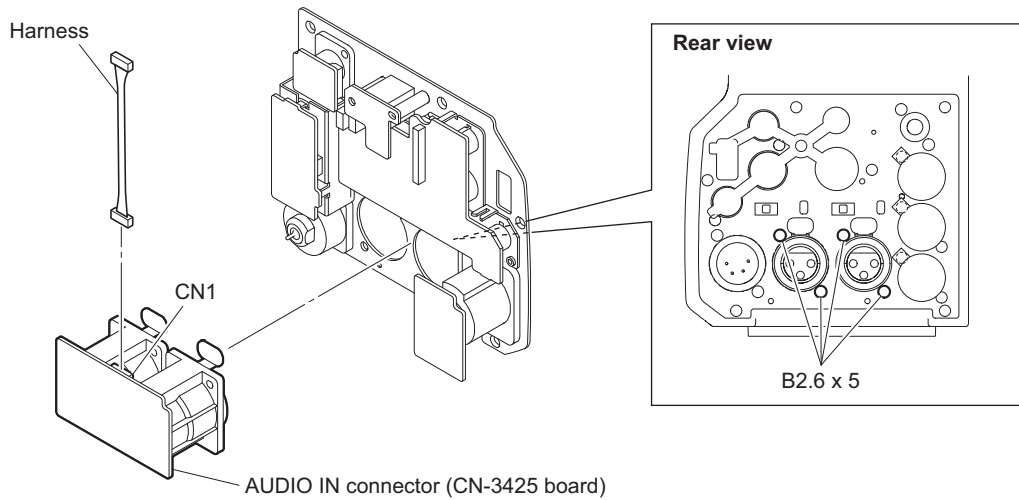
### Preparation

1. Remove the MIC panel assembly. (Refer to [“2-10-1. CN-3429 Board/CN-3427 Board”](#).)

### Procedure

1. Remove the four screws to detach the CN-3425 board.

2. Disconnect the harness from the connector (CN1) on the CN-3425 board.



3. Install the removed parts by reversing the steps of removal.

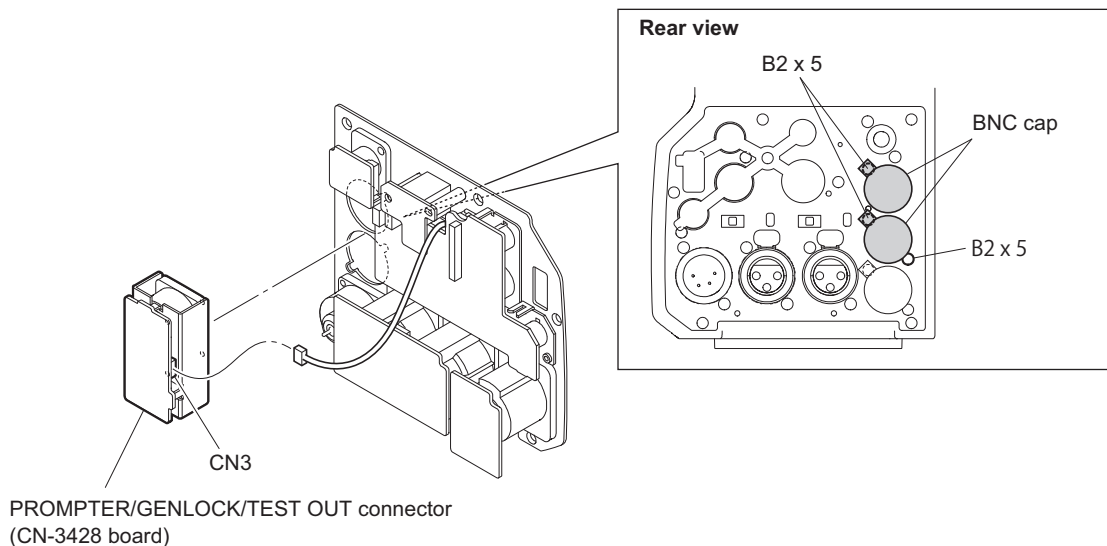
### 2-10-3. PROMPTER/GENLOCK/TEST OUT Connector (CN-3428 Board)

#### Preparation

1. Remove the MIC panel assembly. (Refer to "2-10-1. CN-3429 Board/CN-3427 Board".)

#### Procedure

1. Remove the three screws to detach the two BNC caps and the PROMPTER/GENLOCK/TEST OUT connector (CN-3428 board).
2. Disconnect the harness from the connector (CN3) on the PROMPTER/GENLOCK/TEST OUT connector (CN-3428 board).



3. Install the removed parts by reversing the steps of removal.

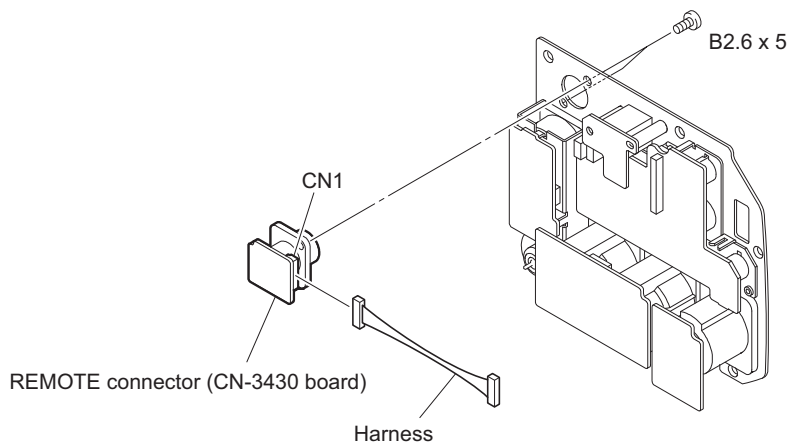
### 2-10-4. REMOTE Connector (CN-3430 Board)

#### Preparation

1. Remove the MIC panel assembly. (Refer to "2-10-1. CN-3429 Board/CN-3427 Board".)

### Procedure

1. Remove the two screws to detach the REMOTE connector (CN-3430 board).
2. Disconnect the harness from the connector (CN1) on the REMOTE connector (CN-3430 board).



3. Install the removed parts by reversing the steps of removal.

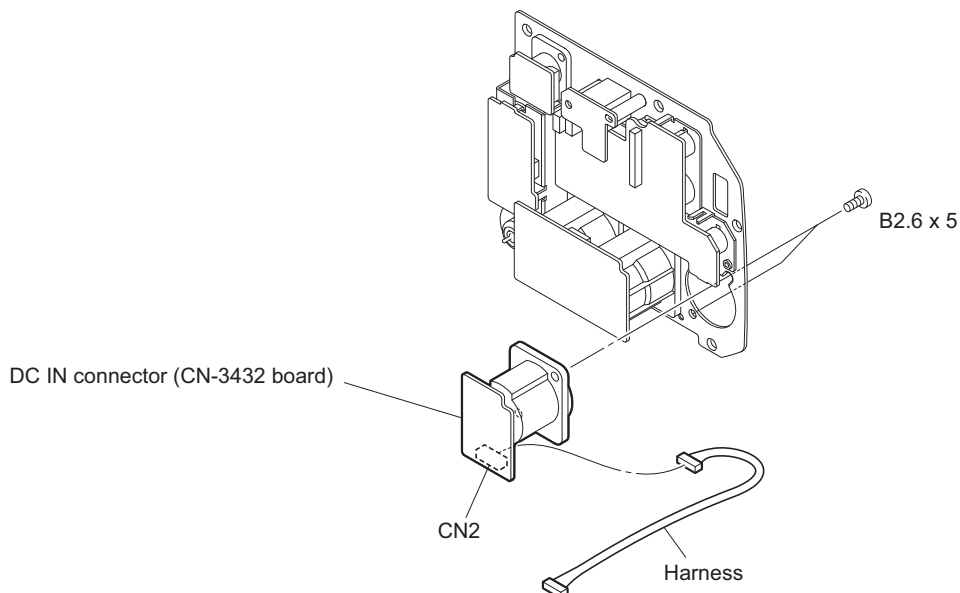
## 2-10-5. DC IN Connector (CN-3432 Board)

### Preparation

1. Remove the MIC panel assembly. (Refer to [“2-10-1. CN-3429 Board/CN-3427 Board”](#).)

### Procedure

1. Remove the two screws to detach the DC IN connector (CN-3432 board).
2. Disconnect the harness from the connector (CN2) on the DC IN connector (CN-3432 board).



3. Install the removed parts by reversing the steps of removal.

## 2-11. INCOM Panel Assembly

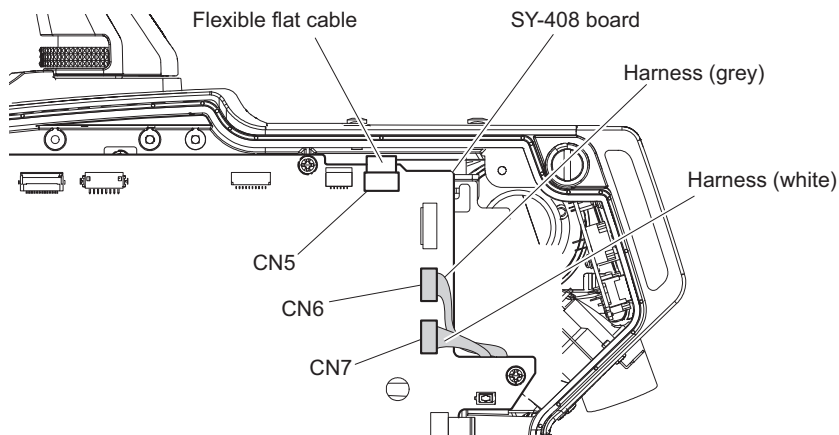
### 2-11-1. INTERCOM Connector (CN-3431 Board)

#### Preparation

1. Remove the inside panel assembly. (Refer to “2-2. Inside Panel Assembly”).

#### Procedure

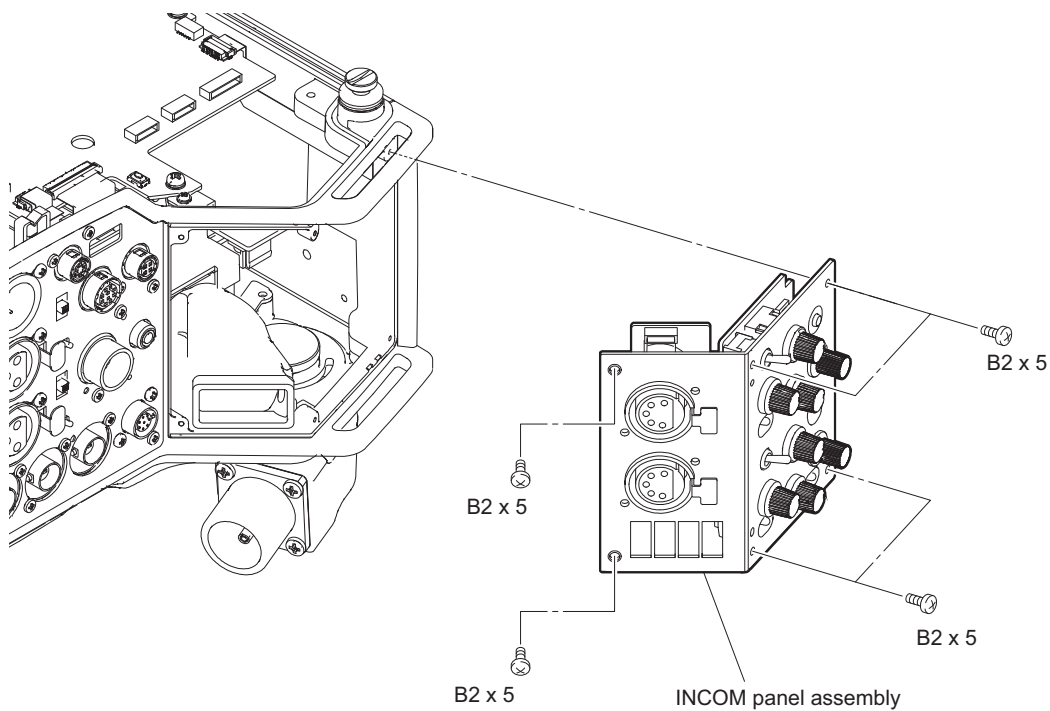
1. Disconnect the flexible flat cable from the connector (CN5) on the SY-408 board.
2. Disconnect the two harnesses from the two connectors (CN6, CN7) on the SY-408 board.



#### Note

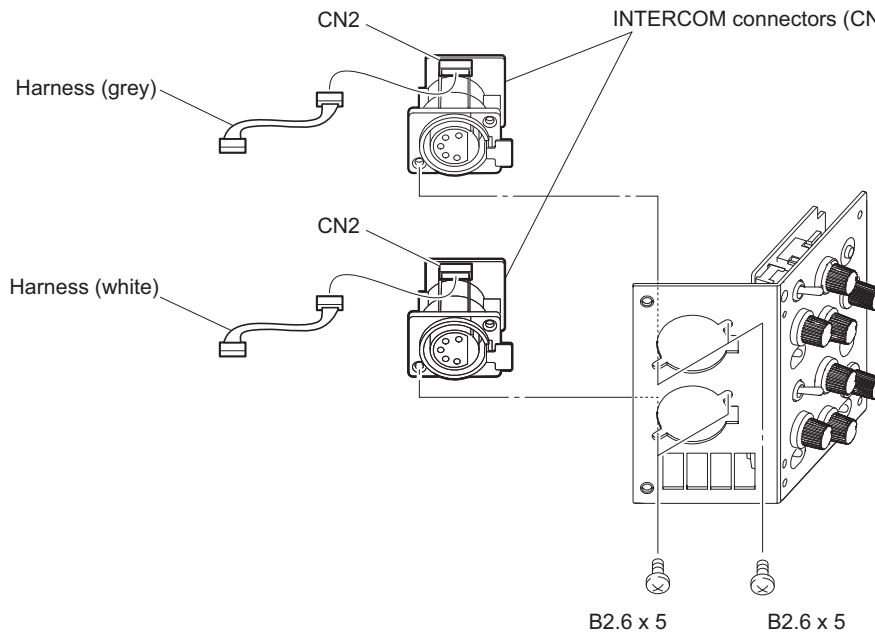
When reconnecting the two harnesses, pay attention to their colors.

3. Remove the six screws to detach the INCOM panel assembly.



4. Remove the four screws to detach the two INTERCOM connectors (CN-3431 boards).

5. Disconnect the two harnesses from the connectors (CN2) on the INTERCOM connectors (CN-3431 boards).



**Note**

When reconnecting the two harnesses, pay attention to their colors.

6. Install the removed parts by reversing the steps of removal.

## 2-11-2. SW-1530 Board/SW-1530A Board

**Note**

SW-1530 board is used for the SY/JN model or SW-1530A board is used for the CE/E3 model of this unit. The following shows how to remove the SW-1530 board as an example.

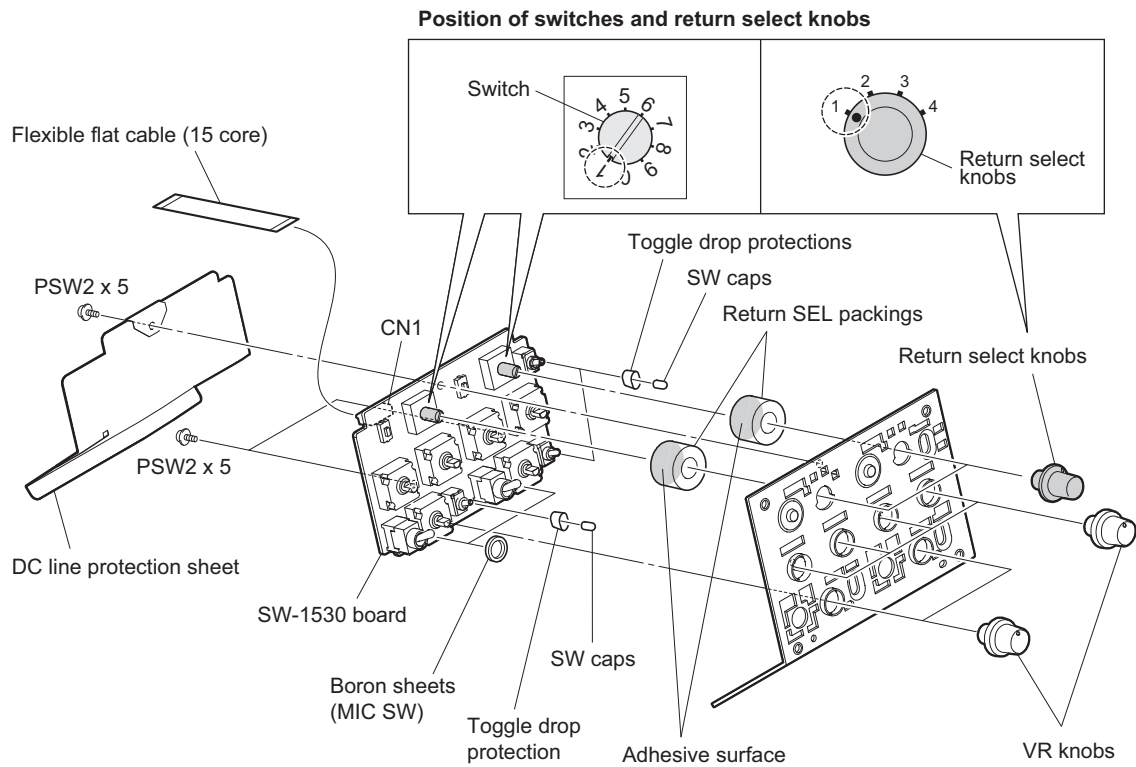
### Preparation

1. Remove the INTERCOM connector (CN-3431 board). (Refer to [“2-11-1. INTERCOM Connector \(CN-3431 Board\)”](#).)

### Procedure

1. Remove the two return select knobs.
2. Remove the six VR knobs.
3. Remove the screw to detach the DC line protection sheet.
4. Remove the two screws to detach the SW-1530 board.
5. Disconnect the flexible flat cable from the connector (CN1) on the SW-1530 board.

6. Remove the three SW caps, three toggle drop protections, two boron sheets (MIC SW), and the two return SEL packings.



#### Notes

- When installing the return select knob and VR knob, apply locking compound to the inside of the knobs.
  - When installing the return select knob, set the marks of the switch and the return select knob on the SW-1530 board to the positions shown in the figure.
  - When installing the return SEL packing, stick the adhesive surface to the board side.
7. Install the removed parts by reversing the steps of removal.



## Section 3

# Electrical Alignment

When any board of this unit is repaired or replaced, perform electrical adjustments as this section.

### Notes

- Perform the “[3-4. Video System Level Adjustment](#)” according to the system that the customer uses.
- Master setup unit MSU-1000 and other equipment/tools are used for electrical adjustments of the unit.  
Refer to “[3-1-8. Adjustment Items and Setup Menu Items](#)” when using the camera setup menu for electrical adjustments without using MSU-1000.

## 3-1. Preparations

### 3-1-1. Equipment Required

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#### Measuring Equipment

- HD waveform monitor: Leader Electronics LV5150DA, Leader Electronics LV5152DA (multi format) or equivalent
- HD color monitor: Sony BVM-D20F1J/BVM-D14H5J or equivalent
- Oscilloscope: Tektronix TDS460A or equivalent

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#### Related Equipment

- HDVS camera system: Sony MSU-1000/1500, Sony HDVF-20A/200/C30WR/C35W
- Lens: Canon HJ18 or equivalent

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#### Tool

- Pattern box PTB-500: Sony Part No. J-6029-140-B
- Grayscale chart (16 : 9 transparent type): Sony Part No. J-6394-080-A
- Grayscale chart (16 : 9 reflective type): Commercially available

### 3-1-2. Precautions on Adjustments

- Turn on the external main power switch before starting adjustments, and warm up the unit for about 10 minutes.
- All measuring equipment must have been calibrated.
- Periodic maintenance must have been conducted for the pattern box.
- “[3-1-7. Initial Settings](#)” must have been completed.

### 3-1-3. File Data at Adjustment

The file structure of the adjustment data of this unit is as follows.

|           |             |                         |
|-----------|-------------|-------------------------|
| Scene     | } File data | } Total adjustment data |
| Lens      |             |                         |
| Reference |             |                         |
| OHB       |             |                         |

- Lens file is used for compensating the deviation generated by switching the lens extender from OFF to ON and for compensating the difference in the characteristics between lenses. This file is stored in the camera. For electrical adjustments, mount the lens that is actually used.
- The reference file stores the custom paint data adjusted by the video engineer. This file is stored in the camera and USB drive. Therefore, store this data in the USB drive first before starting adjustment, and clear this data from the USB drive after adjustment.
- OHB file is used for adjustment for the CCD block maintenance. This file is stored in the camera.

### **3-1-4. Handling the Grayscale Chart**

It is preferable to use an 89.9%-reflective grayscale chart for electrical adjustments.

If a reflective chart is not available, use a calibrated pattern box and a transparent grayscale chart for adjustments.

Before beginning adjustment, set the illumination of the light source (or the luminous intensity on the chart surface) properly proceeding as follows and set the color temperature to 3200 K exactly by adjusting light.

---

#### **Information on the Reflective Grayscale Chart (16 : 9)**

##### **Recommended chart**

The reflective grayscale chart (16 : 9) is commercially available.

Product name: Reflective grayscale chart

Supplier: MURAKAMI COLOR RESEARCH LABORATORY

##### **Handling precautions**

- Do not touch the chart's surface with bare hands.
- Do not subject the surface to dirt or scratches.
- Do not prolonged exposure to sunlight.
- Protect the chart from excessive moisture or harmful gas.
- Avoid resting articles against the case.
- When the chart is not used for a long period and is stored, open the case and dry the chart for about an hour once or twice a month.

##### **Replacement period when the chart is used as the reference**

The reflective grayscale chart should be replaced every two years if it used as the reference. Because the chart deteriorates with time and proper adjustment cannot be achieved.

Replacement period varies depending on the chart storage condition.

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#### **Setting Illumination (When the Reflective Chart is Used)**

##### **Measuring equipment**

Illuminance meter: Calibrated

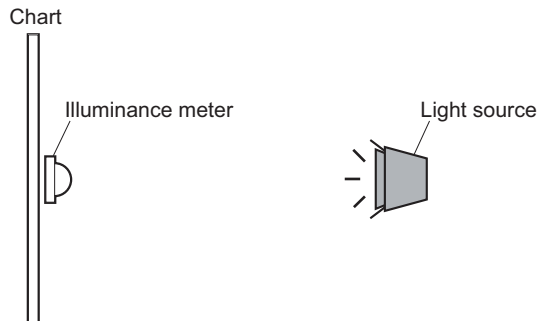
##### **Procedure**

1. Turn on the light source and warm up for about 30 minutes.

- Place the illuminance meter on the chart surface. Adjust the position and angle of the light source so that the whole surface of the chart is evenly 2000 lx.

**Note**

Light the chart from almost the same direction and height as the camera to shoot the chart.



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### Setting Luminous Intensity (When the Transparent Chart is Used)

#### Measuring equipment

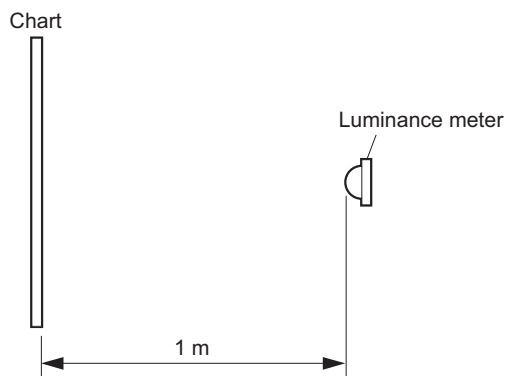
Luminance meter: Konica Minolta LS-110 or equivalent. Calibrated

#### Procedure

- Light the pattern box and warm up for about 30 minutes.
- Place the pattern box where the chart is not exposed to light, such as a darkroom.  
(Or cover the pattern box with a cover whose inside is painted in black.)
- Fix the luminance meter facing straight to the chart at a distance of 1 m from it.
- Adjust the luminance control of the pattern box so that the white portion in the center of the chart is  $573 \pm 6 \text{ cd/m}^2$ .

**Note**

This corresponds to the luminous intensity on the 89.9%-reflective chart at 2000 lx.



### 3-1-5. Setup Menu

Some of adjustments given in this section use the setup menu. The setup menu consists of the following menus. In addition, there is a TOP menu indicating the entire configuration of menu items.

- USER menu
- USER MENU CUSTOMIZE menu
- OPERATION menu
- PAINT menu

- MAINTENANCE menu
- FILE menu
- DIAGNOSIS menu
- SERVICE menu

For some adjustments, the setup menu operation is described as follows.

Example: When the AUTO SETUP page of MAINTENANCE menu is selected from the TOP menu and AUTO LEVEL is performed.

MENU: MAINTENANCE

PAGE: AUTO SETUP

ITEM: AUTO LEVEL

---

## How to Display the SERVICE Menu

Set the DISPLAY switch to “MENU” while pressing the ASSIGNABLE 1 switch and the rotary encoder.

---

## How to Change the Setting Values

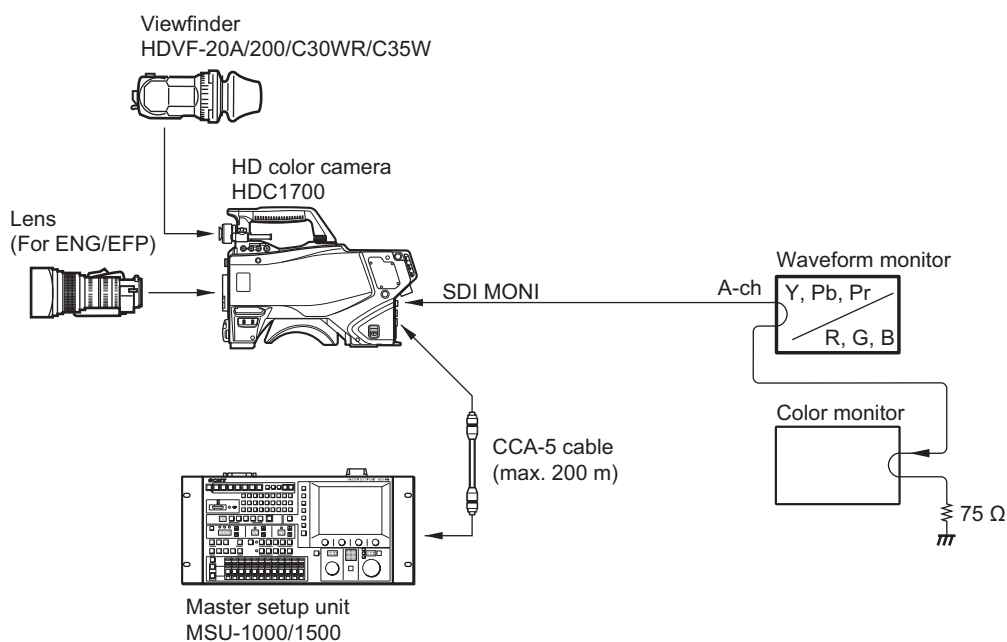
Perform the following to enter or cancel the setting value of items, which can be changed by turning the rotary encoder.

To enter the setting value: Press the rotary encoder.

To cancel the setting value: Before pressing the rotary encoder, press the STATUS/CANCEL switch toward the “CANCEL” side.

After the setting value is entered, the setting cannot be canceled.

## 3-1-6. Connection of Equipment



### 3-1-7. Initial Settings

#### Note

This section describes the adjustment procedures using MSU-1000.

---

#### When Adjusting Using the MSU-1000 Control Panel

Set each button as follows.

- Power supply and signal switching block
  - ALL button → OFF (dark)
  - CAM PW button → ON (lit)
  - VF PW button → ON (lit)
  - TEST 1 button → OFF (dark)
  - TEST 2 button → OFF (dark)
  - BARS button → OFF (dark)
  - CLOSE button → ON (lit)
- Camera/CCU circuit ON/OFF block
  - KNEE OFF button → OFF (lit)
  - DETAIL OFF button → OFF (lit)
  - MATRIX OFF button → OFF (lit)
  - AUTO KNEE button → OFF (dark)
  - SKIN DETAIL button → OFF (dark)
- Others
  - GAMMA OFF button → ON (dark)
  - MASTER GAIN → 0 (0 dB)
  - FILTER button (ND) → 1 (CLEAR)
  - FILTER button (CC) → B (3200 K)
  - ON button (shutter control block) → OFF (dark)

---

#### When Adjusting Using the Setup Menu

Set each item and the switch, etc. as follows.

- PAINT menu

| Page        | Setting Item | Initial Setting |
|-------------|--------------|-----------------|
| SW STATUS   | FLARE        | ON              |
|             | GAMMA        | ON              |
|             | BLK GAM      | OFF             |
|             | KNEE         | OFF             |
|             | WHT CLIP     | OFF             |
|             | DETAIL       | ON              |
|             | LVL DEP      | ON              |
|             | SKIN DTL     | OFF             |
|             | MATRIX       | OFF             |
| VIDEO LEVEL | TEST         | OFF             |

- Side panel
  - GAIN switch → L (0 dB)
  - AUTO/AUTO KNEE switch → CAM/OFF
  - WHITE BAL switch → PRST

- Front panel
  - SHUTTER switch → OFF
- Filter position
  - ND filter → 1 (CLEAR)
  - CC filter → B (3200 K)

### 3-1-8. Adjustment Items and Setup Menu Items

Refer to the following tables when using the camera setup menu for electrical adjustments without using MSU-1000. These tables list camera menu items corresponding to adjustment items of MSU-1000.

#### PAINT Menu (PAINT button/MSU-1000 → ON (lit))

| Menu item of MSU-1000 |            |                 | Menu item of camera |             |                 |
|-----------------------|------------|-----------------|---------------------|-------------|-----------------|
| Menu                  | Sub Menu   | Adjustment Item | MENU                | PAGE        | ITEM            |
| Black                 |            | R/G/B           | PAINT               | VIDEO LEVEL | BLACK R/G/B/M   |
|                       |            | Master          |                     |             |                 |
| Flare                 |            | R/G/B           |                     |             | FLARE R/G/B/M   |
|                       |            | Master          |                     |             |                 |
| Detail                | 1/3        | Level           |                     | DETAIL 1    | LEVEL           |
|                       |            | Limiter         |                     |             | LIMITER [M]     |
|                       |            | Crispening      |                     |             | CRISP           |
|                       |            | Level Dep       |                     |             | LVL DEP         |
|                       | 2/3        | H/V Ratio       |                     |             | HV RATIO        |
|                       |            | W Limiter       |                     |             | LIMITER WHT     |
|                       | 3/3        | B Limiter       |                     |             | LIMITER BLK     |
|                       |            |                 |                     |             |                 |
| Gamma                 | Gamma      | R/G/B           |                     | GAMMA       | LEVEL R/G/B/M   |
|                       |            | Master          |                     |             |                 |
| Knee                  | Knee Point | R/G/B           |                     | KNEE        | POINT R/G/B/M   |
|                       |            | Master          |                     |             |                 |
|                       | Knee Slope | R/G/B           |                     |             | SLOPE R/G/B/M   |
|                       |            | Master          |                     |             |                 |
| White Clip            |            | R/G/B           |                     |             | WHT CLP R/G/B/M |
|                       |            | Master          |                     |             |                 |

#### FILE Menu (FILE button/MSU-1000 → ON (lit))

| Menu item of MSU-1000 |            | Menu item of camera |           |            |
|-----------------------|------------|---------------------|-----------|------------|
| Menu                  | Sub Menu   | MENU                | PAGE      | ITEM       |
| Ref File              | Ref Store  | FILE                | REFERENCE | STORE FILE |
| Lens File             | Lens Store |                     | LENS FILE | STORE FILE |
| OHB File              | OHB Store  |                     | OHB FILE  | STORE FILE |

---

**MAINTENANCE Menu (MAINTENANCE button/MSU-1000 → ON (lit))**

| Menu item of MSU-1000 |                    |          |                 | Menu item of camera |               |               |
|-----------------------|--------------------|----------|-----------------|---------------------|---------------|---------------|
| Menu                  | Secondary Menu     | Sub Menu | Adjustment Item | MENU                | PAGE          | ITEM          |
| Camera                | White Shading      | R/G/B    | H SAW           | MAINTENANCE         | WHITE SHADING | H SAW R/G/B   |
|                       |                    |          | H PARA          |                     |               | H PARA R/G/B  |
|                       |                    |          | V SAW           |                     |               | V SAW R/G/B   |
|                       |                    |          | V PARA          |                     |               | V PARA R/G/B  |
| Lens                  | Auto Iris Settings |          | Level           |                     | AUTO IRIS     | IRIS LEVEL    |
|                       |                    |          | APL Ratio       |                     |               | APL RATIO     |
|                       | V Mod Saw          |          | R/G/B           | PAINT               | VIDEO LEV-EL  | V MOD R/G/B/M |
|                       |                    |          | Master          |                     |               |               |

## 3-2. Automatic Adjustment

### 3-2-1. Execute the Automatic Adjustment

1. Operate the control panel of MSU-1000.
  - 1) Press the LEVEL button (AUTO SETUP block) → ON (lit)
  - 2) Press the START/BREAK button (AUTO SETUP block) → ON (lit)

|             |
|-------------|
| <b>Note</b> |
|-------------|

When performing automatic adjustment using the menu of the camera, set the setup menu as follows.

MENU: MAINTENANCE

PAGE: AUTO SETUP

ITEM: AUTO LEVEL

2. When the adjustment is completed, a message “Completed” appears.



### 3-3. Electrical Alignment

#### 3-3-1. Clamp Level Adjustment between Channel A and Channel B (BLACK OFFSET Adjustment)

---

##### Preparation

- Menu setting  
MENU: SERVICE  
PAGE: OHB\_ADJ1

---

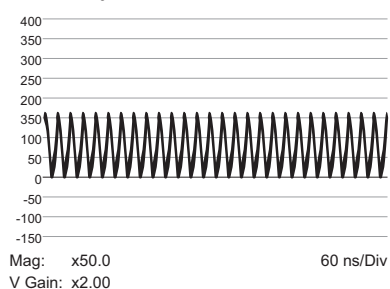
##### Adjustment Procedure

- Open the following items with SERVICE menu.  
MENU: SERVICE  
PAGE: BLACK SHADING  
ITEM: OFFSET [R], [G], [B]
- Operate the control panel of MSU-1000.  
KNEE OFF button → OFF (lit)  
DETAIL OFF button → OFF (lit)  
GAMMA OFF button → ON (dark)  
MATRIX OFF button → OFF (lit)  
MASTER GAIN → 12  
IRIS → CLOSE
- Operate the menu of MSU-1000.
  - PAINT button → ON (lit)
  - Touch panel operation: (1 page) → [Detail] → [1/3]  
LEVEL → OFF
- Set in the SERVICE menu as shown below.  
MENU: SERVICE  
PAGE: OHB\_ADJ1  
ITEM: FILTER: OFF  
ITEM: MONITOR SEL: R
- Adjust parameters to equalize clamp levels between channels.

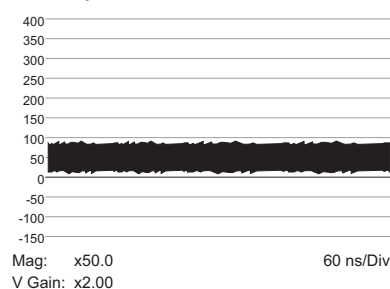
**Note**

If the pedestal level is low and the adjustment is not easy, raise the black level by MASTER BLACK to level that makes the adjustment easy.

Before adjustment



After adjustment



- Make adjustment for the G and B channels in the same way.

7. Execute file storing for each format.  
MENU: SERVICE  
PAGE: BLACK SHADING  
ITEM: STORE FILE

### 3-3-2. Black Set Adjustment

---

#### Preparation

- Setting for MSU-1000  
CLOSE button → ON (lit)  
MASTER GAIN → 12

---

#### Adjustment Procedure

1. Open the following items with SERVICE menu.  
MENU: SERVICE  
PAGE: BLACK SHADING  
ITEM: BLK SET [R], [G], [B]
2. Adjust this using the waveform monitor so that the pedestal level of each channel becomes equal within a range of -6 to +12 dB.
3. Execute file storing for each format.  
MENU: SERVICE  
PAGE: BLACK SHADING  
ITEM: STORE FILE

### 3-3-3. Sensitivity Adjustment

---

#### Preparation

- Setting for MSU-1000  
CLOSE button → OFF (dark)  
GAMMA OFF button → OFF (lit)  
MASTER GAIN → 0  
DETAIL OFF button → OFF (lit)
- Turn ON (lighting) the TEST 1 button to display the TEST SAW waveform, and check that the amplitude is 700 mV using the waveform monitor.  
If the amplitude is not 700 mV, check that WHITE [R], [G], [B] values are zero.  
MENU: PAINT  
PAGE: VIDEO LEVEL  
ITEM: WHITE [R], [G], [B]  
Then turn OFF (light off) the TEST 1 button.
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:
  - F10 (1080 59.94i)
  - F8 (1080 59.94P)Use a lens with a transmittance equivalent to Canon HJ18.

## Adjustment Procedure

1. Open the following items with SERVICE menu.

MENU: SERVICE

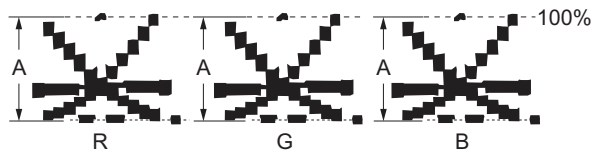
PAGE: OHB\_ADJ1

ITEM: GAIN\_CONT [R1], [G1], [B1]

ITEM: GAIN\_CONT [R2], [G2], [B2]

### Coarse adjustment

1. Set GAIN\_CONT [R1] and [R2] to the same value and adjust the sensitivity to approx. 100 % level.
2. Adjust GAIN\_CONT [G1], [G2], [B1], and [B2] in the same way as step 1.



### Fine adjustment

1. Set in the SERVICE menu as shown below.

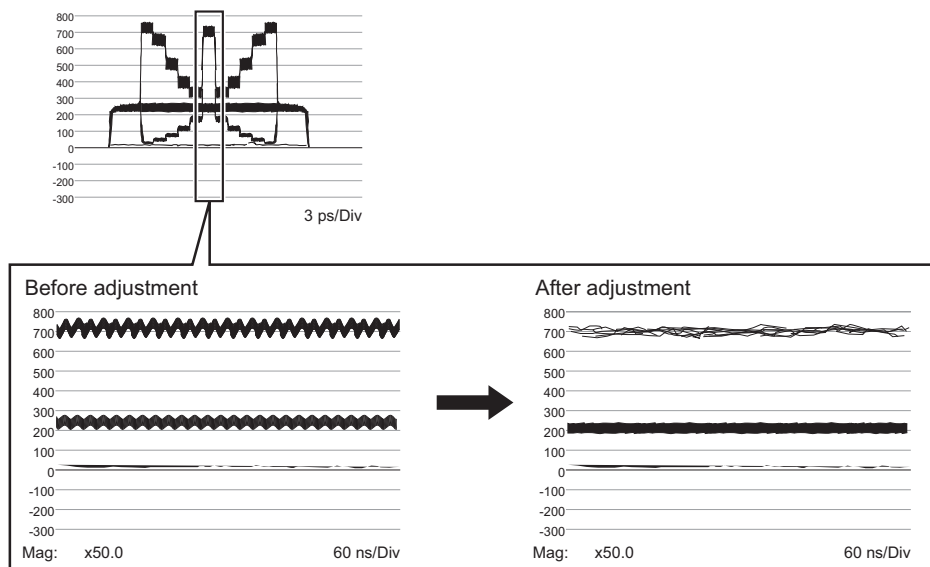
MENU: SERVICE

PAGE: OHB\_ADJ1

ITEM: FILTER: OFF

ITEM: MONITOR SEL: R

2. Adjust the grayscale 100 % white level so that it equals between channels A and B.



3. Make the same adjustment for channels G and B.
4. Execute file storing for each format.

MENU: SERVICE

PAGE: OHB\_ADJ1

ITEM: STORE FILE

5. Modify the values of sensitivity adjustment for 1080 59.94i and 59.94P made above to the following values for each format, and then execute file storing.
  - 1080 59.94i adjustment value:  
1080 50i, 29.97PsF, 25PsF, 23.98PsF, 24PsF
  - 1080 59.94P adjustment value:  
1080 59.94ix2, 50ix2, 50P  
720 59.94P, 50P, 59.94Px2, 50Px2

### 3-3-4. V-SUB Adjustment

---

#### Preparation

- Setting for MSU-1000  
MASTER GAIN → 0  
DETAIL OFF button → OFF (lit)  
LVL DEP OFF button → OFF (lit)  
MATRIX OFF button → OFF (lit)  
GAMMA OFF button → OFF (lit)
- Operate the menu of MSU-1000.
  1. PAINT button → ON (lit)
  2. Touch panel operation: (1 page) → [Detail] → [1/3]  
LEVEL → OFF
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:
  - 1080 59.94i, 59.94P: Lens iris corresponding to input of 600% light intensity
    1. Capture an image of the grayscale chart with the extended clear scan (ECS) mode 1/361, and set the lens iris to a value so that the white level becomes 100%.
    2. Set the ECS mode to OFF.
  - 1080 29.94PsF: Lens iris corresponding to input of 460% light intensity
    1. Capture an image of the grayscale chart with the extended clear scan (ECS) mode 1/138, and set the lens iris to a value so that the white level becomes 100%.
    2. Set the ECS mode to OFF.
- SHUTTER ON button → OFF (dark)

---

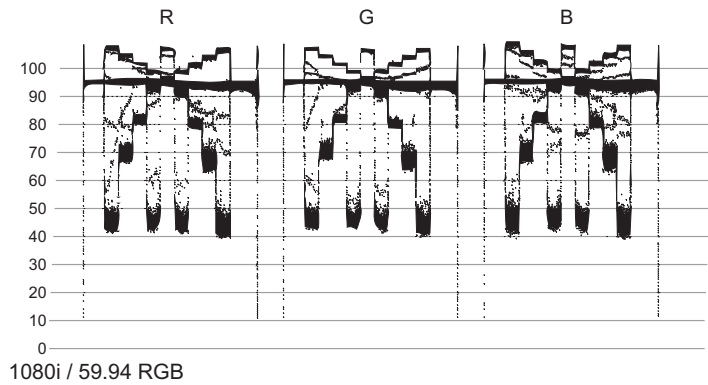
#### Adjustment Procedure

1. Open the following items with SERVICE menu.  
MENU: SERVICE  
PAGE: OHB\_ADJ2  
ITEM: V-SUB [R], [G], [B]

2. Input 600% light intensity for 1080 59.94i and 59.94P, and 460% light intensity for 1080 29.97PsF.  
Capture an image of the grayscale chart with the following settings, and adjust V-SUB to a level that does not damage the gradation.

Adjust V-SUB in 1080 59.94i, 59.94P, and 29.97PsF formats.

- KNEE: ON
  - K POINT: +99
  - K SLOP: -77
- GAMMA: ON
- TEST MODE: OFF



3. After the adjustment data has been stored in a file, set SHUTTER ON (1/1000) and then store the same adjustment data in a file.  
After that, set SHUTTER OFF .
4. Modify the values of the V-SUB adjustment made above to the following values for each format, and then execute file storing.
  - 1080 59.94i adjustment value:  
1080 50i
  - 1080 59.94P adjustment value:  
1080 59.94ix2, 50ix2, 50P  
720 59.94P, 50P, 59.94Px2, 50Px2
  - 1080 29.97PsF adjustment value:  
1080 25PsF, 23.98PsF, 24PsF
5. After the adjustment data has been stored in a file, set SHUTTER ON (1/1000) and then store the same adjustment data in a file.  
After that, set SHUTTER OFF .

### 3-3-5. Black Shading Adjustment

#### Preparation

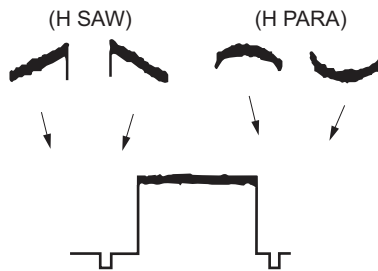
- Setting for MSU-1000  
CLOSE button → ON (lit)  
GAMMA OFF button → OFF (lit)  
MASTER GAIN → 12  
MASTER BLACK → 30

---

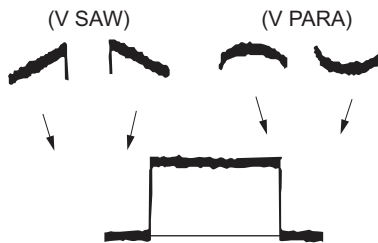
## Adjustment Procedure

1. Open the following items with SERVICE menu.  
MENU: SERVICE  
PAGE: BLACK SHADING  
ITEM: H SAW, H PARA, V SAW, V PARA [R], [G], [B]
2. Adjust this so that the R channel becomes as flat as possible.  
(Check this in the mode of V: FIELD, H: LINE.)

### H: LINE



### V: FIELD



3. Make the same adjustment for channels G and B.
4. Execute file storing for each format.  
MENU: SERVICE  
PAGE: BLACK SHADING  
ITEM: STORE FILE

## 3-3-6. White Shading Adjustment

---

### Note

When performing the white shading adjustment, make sure that the following conditions are proper. If not, proper adjustment cannot be obtained.

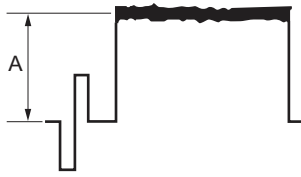
---

### Preparation

- Setting for MSU-1000  
KNEE OFF button → OFF (lit)
- Shoot the full-white pattern so that it is aligned with the under scanned monitor frame.

- Lens iris:  $A = 600 \pm 20$  mV (F4 to F5.6)

If the lens aperture is greater than F5.6, adjust the light amount with the shutter.



- Lens focus:  $\infty$
- Lens extender/shrinker:  $\times 2, \times 0.8 \rightarrow$  OFF
- Set the camera setup menu as follows.

MENU: OPERATION

PAGE: LENS FILE

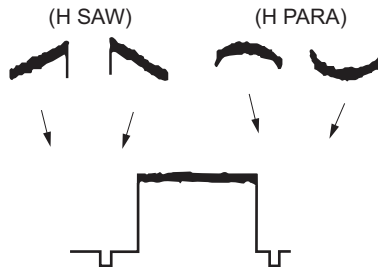
ITEM: FILE

Select the file in accordance with the lens attached. If there is no appropriate file, select NO OFFSET, then change the name of lens with MSU.

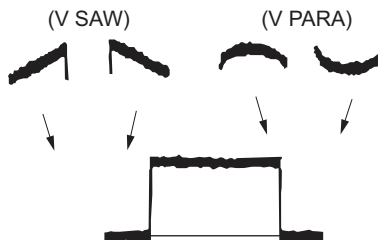
## Adjustment Procedure

1. Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button  $\rightarrow$  ON (lit)
2. If the shading is monitored, adjust it with menu control of MSU-1000.
  - 1) MAINTENANCE button  $\rightarrow$  ON (lit)
  - 2) Touch panel operation: [Camera]  $\rightarrow$  [White Shading]  $\rightarrow$  [R]
3. Adjust this so that the R channel becomes as flat as possible.  
(Check this in the mode of V: FIELD, H: LINE.)

### H: LINE



### V: FIELD



4. Make the same adjustment for channels G and B.
5. Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button  $\rightarrow$  ON (lit)

---

## OHB File Store

1. Operate the menu of MSU-1000.
  - 1) FILE button → ON (lit)
  - 2) Touch panel operation: [OHB File] → [OHB Store] → [Store]
2. When the store operation is completed, the message “Completed” is displayed.

---

## Adjustment for Lens Extender/Shrinker

When the WHITE or shading of V is out of alignment by using the lens extender or lens shrinker, perform the following lens adjustment after the completion of OHB file store.

1. Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button → ON (lit)
2. In the status of lens (×1), perform the lens file store with MSU-1000 menu operation.
  - 1) FILE button → ON (lit)
  - 2) Touch panel operation: [Lens File] → [Lens Store] → [Store]
3. Set the lens extender or the lens shrinker to the following settings.
  - Lens extender (×2) → ON
  - Lens shrinker (×0.8) → ON
4. Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button → ON (lit)
5. Operate the menu of MSU-1000.
  - 1) MAINTENANCE button → ON (lit)
  - 2) Touch panel operation: [Lens] → [V Mod Saw]Adjustment item: R, G, B  
Specification: Set the V modulation correction value as required.
6. Execute the lens file store with MSU-1000 menu operation.
  - 1) FILE button → ON (lit)
  - 2) Touch panel operation: [Lens File] → [Lens Store] → [Store]
7. Return the setting of lens extender or lens shrinker.
  - Lens extender (×2) → OFF
  - Lens shrinker (×0.8) → OFF



## 3-4. Video System Level Adjustment

### Note

Perform the video system level adjustment according to the system that the customer uses.

### 3-4-1. H/V Ratio Adjustment

Equipment: Waveform monitor (R, G, B)

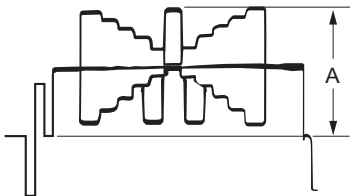
Test Point: SDI 1 connector

Object: Grayscale chart

---

#### Preparation

- Setting for MSU-1000  
DETAIL OFF button → ON (dark)  
KNEE OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:  $A = 600 \pm 20 \text{ mV}$  (F4 to F5.6)  
If the lens aperture is greater than F5.6, adjust the light amount with the shutter.



---

#### Adjustment Procedure

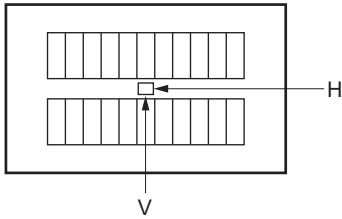
1. Operate the menu of MSU-1000.

### Note

Customer's settings must be restored after the adjustment. Write down the customer's settings.

- 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Detail] → [1/3]  
Set each item as follows:
    - Level → 50
    - Limiter → 0
    - Crispening → -25
    - Level Dep → 25
2. Operate the menu of MSU-1000.  
Touch panel operation: (Page 1) → [Detail] → [2/3]

- Adjust the H/V Ratio adjustment, a ratio between H and V detail amounts (white) to be added shall be equal.  
(Reference value: 20 to 40)



- Change the settings to the recorded customer's settings.

### 3-4-2. Detail Level Adjustment

Equipment: Waveform monitor (R, G, B)

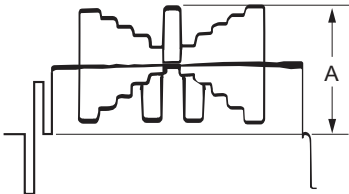
Test Point: SDI 1 connector

Object: Grayscale chart

---

#### Preparation

- Setting for MSU-1000  
DETAIL OFF button → ON (dark)  
KNEE OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:  $A = 600 \pm 20 \text{ mV}$  (F4 to F5.6)  
If the lens aperture is greater than F5.6, adjust the light amount with the shutter.




---

#### Adjustment Procedure

- Operate the menu of MSU-1000.
  - PAINT button → ON (lit)
  - Touch panel operation: (Page 1) → [Detail] → [1/3]
- Adjust the detail level to be added to each step of the grayscale to the desired level.

### 3-4-3. Crispening Adjustment

Equipment: Waveform monitor (R, G, B)

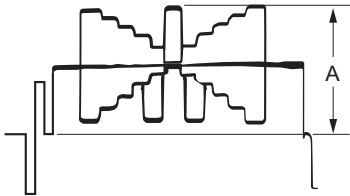
Test Point: SDI 1 connector

Object: Grayscale chart

---

## Preparation

- Setting for MSU-1000  
DETAIL OFF button → ON (dark)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:  $A = 600 \pm 20$  mV (F4 to F5.6)  
If the lens aperture is greater than F5.6, adjust the light amount with the shutter.



---

## Adjustment Procedure

1. Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button → ON (lit)
2. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Detail] → [1/3]
3. Set Crispening to -99 once, and turn slowly for increment until the noise at the black level of the waveform just decreases. Or adjust for the desired level.

### 3-4-4. Level Dependent Adjustment

Equipment: Waveform monitor (R, G, B)

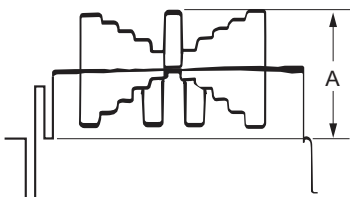
Test Point: SDI 1 connector

Object: Grayscale chart

---

## Preparation

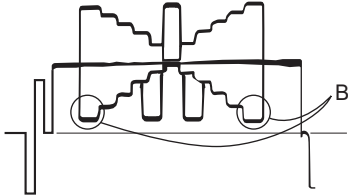
- Setting for MSU-1000  
DETAIL OFF button → ON (dark)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:  $A = 600 \pm 20$  mV (F4 to F5.6)  
If the lens aperture is greater than F5.6, adjust the light amount with the shutter.



---

## Adjustment Procedure

1. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Detail] → [1/3] → [Level Dep]
2. Set Level Dep to -99 once, and turn slowly for increment until spikes at portions B just decrease. Or adjust for the desired level.



---

## Note

After adjustment is completed, be sure to perform [“3-4-1. H/V Ratio Adjustment”](#).

### 3-4-5. Detail Clip Adjustment

Equipment: Waveform monitor (R, G, B)

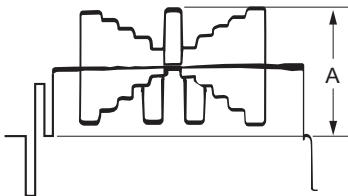
Test Point: SDI 1 connector

Object: Grayscale chart

---

## Preparation

- Setting for MSU-1000  
DETAIL OFF button → ON (dark)  
KNEE OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:  $A = 600 \pm 20$  mV (F4 to F5.6)  
If the lens aperture is greater than F5.6, adjust the light amount with the shutter.

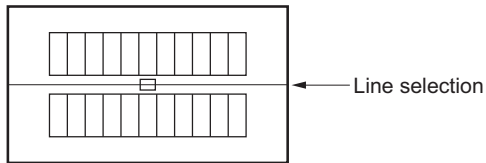


---

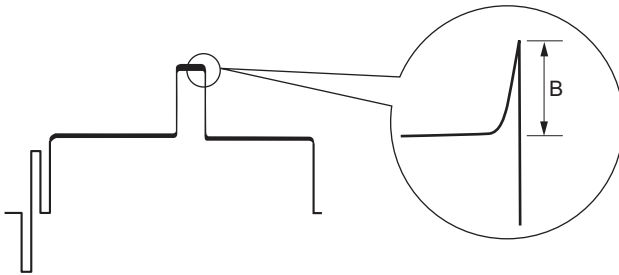
## Adjustment Procedure

1. Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button → ON (lit)

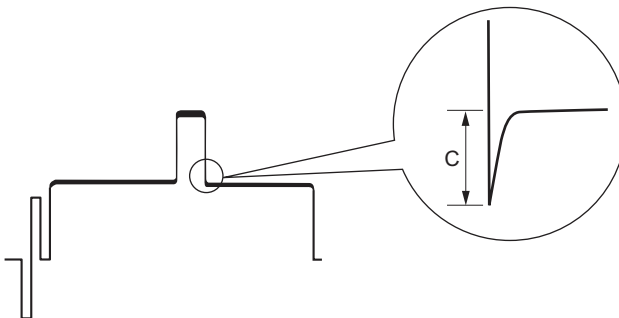
2. Make a line selection at the center white portion of the grayscale chart.



3. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Detail] → [3/3]
4. Adjust the edge at portion B to the desired clip level.



5. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Detail] → [3/3]
6. Adjust the edge at portion C to the desired clip level.



### 3-4-6. Auto-iris Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 connector

Object: Grayscale chart

---

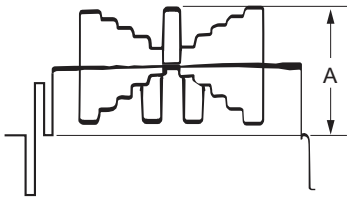
#### Preparation

- Setting for MSU-1000
  - AUTO IRIS button → ON (lit)
  - DETAIL OFF button → ON (dark)
  - KNEE OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.

---

## Adjustment Procedure

1. Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button → ON (lit)
2. Operate the menu of MSU-1000.
  - 1) MAINTENANCE button → ON (lit)
  - 2) Touch panel operation: [Lens] → [Auto Iris Settings]
3. Adjust the APL ratio adjustment, set the auto-iris operation mode as required.  
(It can be set between the average and the peak value of video signal.)  
99 → average  
-99 → peak value
4. Set the auto-iris by the adjustment item Level to meet the specification below.  
Specification:  $A = 700 \pm 7 \text{ mV}$



### 3-4-7. Pedestal Level Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 connector

---

## Preparation

- Setting for MSU-1000  
CLOSE button → ON (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.

---

## Adjustment Procedure

1. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Black]
2. Adjust the levels A to desired level for R, G and B respectively.  
To adjust all levels for R, G and B simultaneously, adjust them using Master.  
(Reference value:  $A = 21 \text{ mV}$ )



### 3-4-8. Flare Adjustment

Equipment: Waveform monitor (R, G, B)

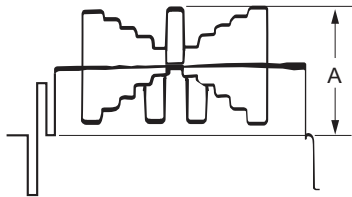
Test Point: SDI 1 connector

Object: Grayscale chart

---

## Preparation

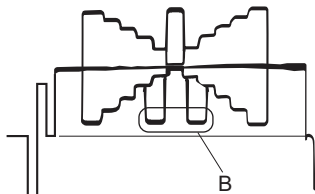
- Setting for MSU-1000  
DETAIL OFF button → ON (dark)  
KNEE OFF button → OFF (lit)  
MATRIX OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:  $A = 600 \pm 20$  mV (F4 to F5.6)  
If the lens aperture is greater than F5.6, adjust the light amount with the shutter.



---

## Adjustment Procedure

1. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Flare]
2. Adjust the levels B to desired level for R, G and B respectively.  
To adjust all levels for R, G and B simultaneously, adjust them using Master.



### 3-4-9. Gamma Correction Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 connector

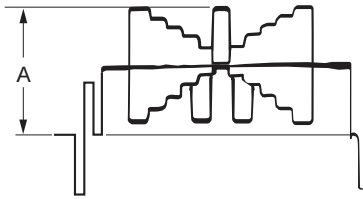
Object: Grayscale chart

---

## Preparation

- Setting for MSU-1000  
KNEE OFF button → OFF (lit)  
GAMMA OFF button → ON (dark)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.

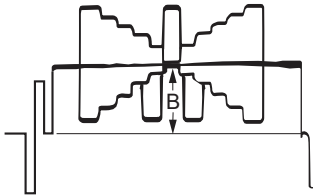
- Lens iris:  $A = 700 \pm 20 \text{ mV}$




---

## Adjustment Procedure

1. Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button → ON (lit)
2. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 2) → [Gamma]
3. Adjust the levels B to desired level for R, G and B respectively.  
To adjust all levels for R, G and B simultaneously, adjust them using Master.



## 3-4-10. Knee Point/Knee Slope Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 connector

---

## Preparation

- Setting for MSU-1000  
MASTER GAIN → 6  
TEST 1 button → ON (lit)  
KNEE OFF button → ON (dark)

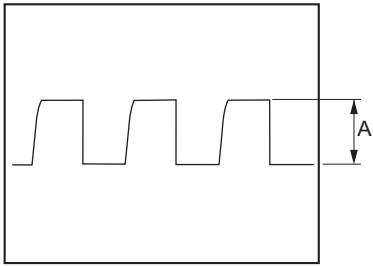
---

## Adjustment Procedure

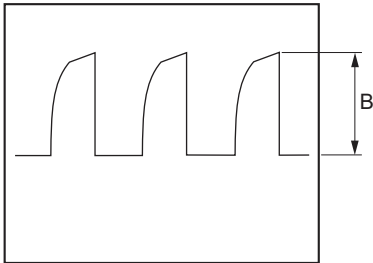
1. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Knee] → [Knee Slope]
2. Set the Master adjustment to +99.
3. Operate the menu of MSU-1000.  
Touch panel operation: (Page 1) → [Knee] → [Knee Point]



4. Adjust the levels A to desired level for R, G and B respectively.  
To adjust all levels for R, G and B simultaneously, adjust them using Master.  
(Reference value: A = 686 mV)



5. Operate the menu of MSU-1000.  
Touch panel operation: (Page 1) → [Knee] → [Knee Slope]
6. Adjust the levels B to desired level for R, G and B respectively.  
To adjust all levels for R, G and B simultaneously, adjust them using Master.  
(Reference value: B = 735 mV)



---

## Setting after Adjustment

- Setting for MSU-1000  
MASTER GAIN → 0  
TEST 1 button → OFF (dark)  
KNEE OFF button → OFF (lit)

### 3-4-11. White Clip Level Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 connector

---

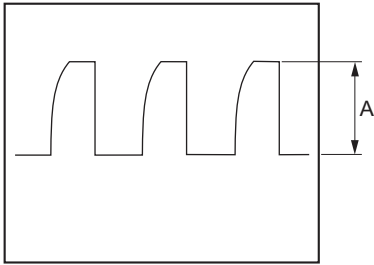
## Preparation

- Setting for MSU-1000  
MASTER GAIN → 12  
TEST 1 button → ON (lit)

---

## Adjustment Procedure

1. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [White Clip]
2. Adjust the levels A to desired level for R, G and B respectively.  
To adjust all levels for R, G and B simultaneously, adjust them using Master.  
(Reference value: A = 756 mV)



---

## Setting after Adjustment

- Setting for MSU-1000  
MASTER GAIN → 0  
TEST 1 button → OFF (dark)

### 3-4-12. File Store

After adjustments described in “[3-4. Video System Level Adjustment](#)” are completed, be sure to execute the reference file store.

---

## Reference File Store

1. Operate the menu of MSU-1000.
  - 1) FILE button → ON (lit)
  - 2) Touch panel operation: [Ref File] → [Ref Store] → [Store]
2. When the reference file entry is completed, a message “Completed” appears.

## 3-5. ND Offset Adjustment

### 3-5-1. White Balance Compensation

#### Note

When the filter disk unit is replaced alone, the correction of white balance is required. Proceed as follows.

Equipment: Waveform monitor (R, G, B)

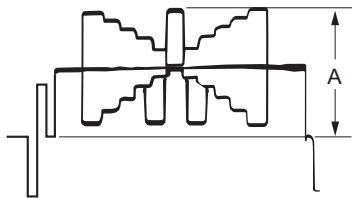
Test Point: SDI 1 connector

Object: Grayscale chart

---

#### Preparation

- Setting for MSU-1000  
AUTO IRIS button → ON (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:  $A = 600 \pm 20$  mV (F4 to F5.6)  
If the lens aperture is greater than F5.6, adjust the light amount with the shutter.



---

#### Adjustment Procedure

- Operate the control panel of MSU-1000.  
FILTER CONTROL button → ON (lit)
- Operate the control panel of MSU-1000, and select the ND filter 1.  
ND1 button → ON (lit)
- Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button → ON (lit)
- After the white balance adjustment is completed, switch the filter to ND filters 2 to 5, and adjust the white balance for each. Set the GAIN for each ND filter as follows so that the open end of the iris is not used.
  - MASTER GAIN setting of MSU-1000
    - ND filter 2: 0 dB
    - ND filter 3: 0 dB
    - ND filter 4: 6 dB
    - ND filter 5: 12 dB

---

#### OHB File Store

- Operate the menu of MSU-1000.
  - FILE button → ON (lit)
  - Touch panel operation: [OHB File] → [OHB Store] → [Store]
- When the store operation is completed, a message "OHB File Stored" appears.

---

## Setting after Adjustment

Setting for MSU-1000

MASTER GAIN → 0

## 3-6. RPN Compensation

### Notes

- The residual point noise (RPN) of the CCD is automatically compensated with the automatic compensation (APR) function usually during the automatic black balance adjustment (ABB). If the RPN still remains after the APR is executed, perform the manual RPN compensation adjustment.
- If any RPN still remains after the RPN compensation adjustment, handle it according to the flowchart.

### 3-6-1. Automatic Compensation (APR)

When an RPN is detected in the screen, perform the automatic black balance adjustment (ABB) and remove the RPN with the APR function.

#### Automatic Black Balance Adjustment (ABB)

1. The AUTO W/B BAL switch is pushed to the BLK side (lower).
2. When the adjustment is completed, a message “ABB: OK” appears.

### Notes

- RPNs of only one channel (R, G, or B) can be detected and compensated with one-time APR. To scan these three channels, be sure to perform the ABB three times.
- The log of the address data of RPNs that have been compensated is updated each time the APR is performed. RPNs that are not detected with the APR function five times in a row, they are excluded from the scope of compensation and their data is deleted.

### 3-6-2. Manual RPN Compensation Adjustment

The manual RPN compensation adjustment uses the SERVICE menu. For how to change the setting value, refer to [“5-1-1. How to Display the SERVICE Menu/ How to Change the Setting Values”](#).

Open the MANUAL RPN [S03] page of the SERVICE menu.

|               |   |         |
|---------------|---|---------|
| <MANUAL RPN>  |   | S03 TOP |
| RPN CH SELECT | : | R       |
| RPN CURSOR    | : | OFF     |
| CURSOR H POS. | : | 1008    |
| CURSOR V POS. | : | 576     |
| CURSOR JUMP   | : | CURR    |
| RPN WIDTH     | : | 1       |
| RECORD RPN    | : | EXEC    |
| DELETE RPN    | : | EXEC    |
| MONITOR SEL   | : | YPbPr   |

---

### Preparation

#### Automatic Black Balance Adjustment (ABB)

1. The AUTO W/B BAL switch is pushed to the BLK side (lower).
2. When the adjustment is completed, a message “ABB: OK” appears.

---

### Adjustment Procedure

### Note

Points that are adjacent laterally and diagonally to already compensated RPNs cannot be compensated.

1. Select the channel (R, G, or B) that is to be compensated.  
ITEM: RPN CH SELECT → R, G, B
2. Adjust the H and V values and set the cross cursor center at the target RPN.  
When the cursor is placed accurately at the RPN position, the RPN is compensated.

**Note**

Some RPNs seem to have been compensated even if the cursor is placed off the RPNs by one line or one pixel.  
Before proceeding to step 3, shift the cursor by one line or one pixel and check that the compensation position is correct.

ITEM: RPN CURSOR → ON  
ITEM: CURSOR H POS.  
ITEM: CURSOR V POS.

**Note**

One click of the rotary encoder is equivalent to one-pixel shift.  
On the other hand, the cursor moves by two clicks of the rotary encoder because the cursor has a size of two pixels.

3. Press the rotary encoder and record the RPN data (correction value).  
ITEM: RECORD RPN → EXEC
4. A message “RECORD DATA OK? YES → NO” appears.  
Check that the RPN has disappeared and then select “YES” with the rotary encoder.
5. Press the rotary encoder. A message “COMPLETE!” appears and the RPN compensation starts.

**Note**

If a compensation pixel has been wrongly recorded, delete the RPN data.  
ITEM: DELETE RPN → EXEC

6. Repeat steps 2 to 5 to compensate other RPNs.  
If any RPN still remains after this manual adjustment, handle it according to the flowchart in “[3-6-5. RPN Compensation Flowchart](#)”.

---

## Setting after Adjustment

ITEM: RPN CURSOR → OFF

### 3-6-3. Procedures to be Taken when the RPN Compensation Fails

When the RPN compensation is not successful even after the manual RPN compensation adjustment was made, the following causes are possible.

- An adjacent wrong position was compensated.
- The compensation failed due to the influence of other RPNs.
- The RPN with a very large level has an extent over one pixel that was made in the signal generation process.

---

## Checking Correction Points

1. Open the MANUAL RPN [S03] page of the SERVICE menu.

|               |   |         |
|---------------|---|---------|
| <MANUAL RPN>  |   | S03 TOP |
| RPN CH SELECT | : | R       |
| RPN CURSOR    | : | OFF     |
| CURSOR H POS. | : | 1008    |
| CURSOR V POS. | : | 576     |
| CURSOR JUMP   | : | CURR    |
| RPN WIDTH     | : | 1       |
| RECORD RPN    | : | EXEC    |
| DELETE RPN    | : | EXEC    |
| MONITOR SEL   | : | YPbPr   |

2. Set RPN CURSOR to ON.  
ITEM: RPN CURSOR → ON
3. Check whether there are any compensated pixels close to the pixel to be compensated with the CURSOR JUMP function.

|             |
|-------------|
| <b>Note</b> |
|-------------|

Correction points can be checked effectively by placing the cursor in advance close to the pixel to be compensated by using CURSOR H POS. and CURSOR V POS..

- When the target pixel is above the cursor position,  
ITEM: CURSOR JUMP → PREV
- When the target pixel is under the cursor position,  
ITEM: CURSOR JUMP → NEXT

4. When the cursor stopped at a position near the target pixel:

- 1) Delete the data because the data is recorded so as to compensate the pixel at the cursor position.

ITEM: DELETE RPN → EXEC

- 2) A message “DELETE DATA OK? YES → NO” appears. Select YES with the rotary encoder and then press the rotary encoder.

**Note**

Appearance of an RPN next to the pixel to be compensated means that adjacent RPNs exist. If an RPN appears in the diagonal direction, the RPN cannot be compensated. In this case, the CCD or the CCD block must be replaced. For more information, contact your local Sony Sales Office/Service Center.

- 3) If nothing has changed, change the compensation position.

Move the cursor horizontally or vertically to check whether the RPN can be compensated.

- 4) When the RPN has been successfully compensated, record the data.

ITEM: RECORD RPN → EXEC

- 5) A message “RECORD DATA OK? YES → NO” appears. Select YES with the rotary encoder and then press the rotary encoder.

- 6) A message “COMPLETE!” appears and the data is recorded.

**Note**

When two RPNs are vertically adjacent to each other, record the data at the position where one RPN can be compensated.

Then shift the cursor vertically by 1 at the same horizontal address and check whether the other RPN can be compensated.

When the other RPN has been successfully compensated, record the data of the RPN.

When two RPNs are horizontally adjacent to each other, move the cursor to the position where the left RPN can be compensated. Next, set RPN WIDTH to 2 and record the data, and then check whether these RPNs can be successfully compensated.

If the RPN compensation failed, delete the data.

Increase RPN WIDTH to 3, 4, ..., and select a value that allows the best compensation.

For an RPN that has a horizontal extent (smear), increase RPN WIDTH from 1 to 2, 3, 4, ..., and select a value that allows the best compensation.

### 3-6-4. Performing Automatic RPN Detection Effectively

---

#### Preparation

- Lens iris → CLOSE
- Setting for MSU-1000
  - BARS button → OFF (dark)
  - SHUTTER button → OFF (dark)



---

## Procedure

1. Open the RPN MANAGE [S04] page of the SERVICE menu.

|                |         |
|----------------|---------|
| <RPN MANAGE>   | S04 TOP |
| RPN ALL PRESET | : EXEC  |
| AUTO CONCEAL   | : EXEC  |
| APR AT ABB     | : ON    |

2. Only perform the APR of RPNs.  
ITEM: AUTO CONCEAL → EXEC

**Note**

RPNs of three channels are automatically detected at the same time through this operation.

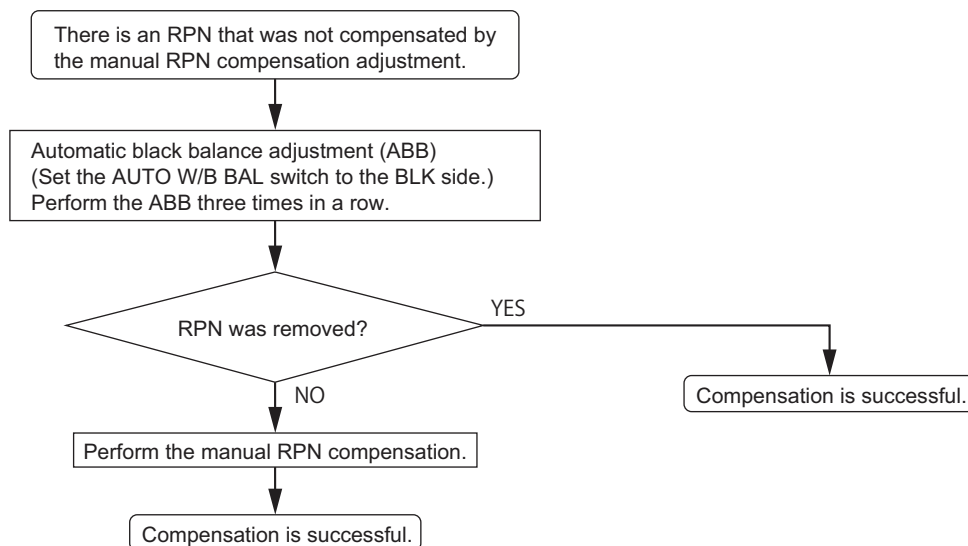
**Note**

If AUTO CONCEAL is executed with a wrong switch setting, delete all the recorded data. Make these settings and execute AUTO CONCEAL carefully so that the RPN compensated data is not deleted completely.

ITEM: RPN ALL PRESET → EXEC

### 3-6-5. RPN Compensation Flowchart

If any RPN still remains after the manual RPN compensation adjustment, handle the RPN according to the following flowchart.





## Section 4

# File System

This unit is equipped with various file systems for managing data.

In this section, the menu operations are described as follows.

Example: When executing WRITE (CAM → USB) on the OPERATOR FILE page of the OPERATION [OPERATION] → [OPERATOR FILE] → [WRITE (CAM → USB)]

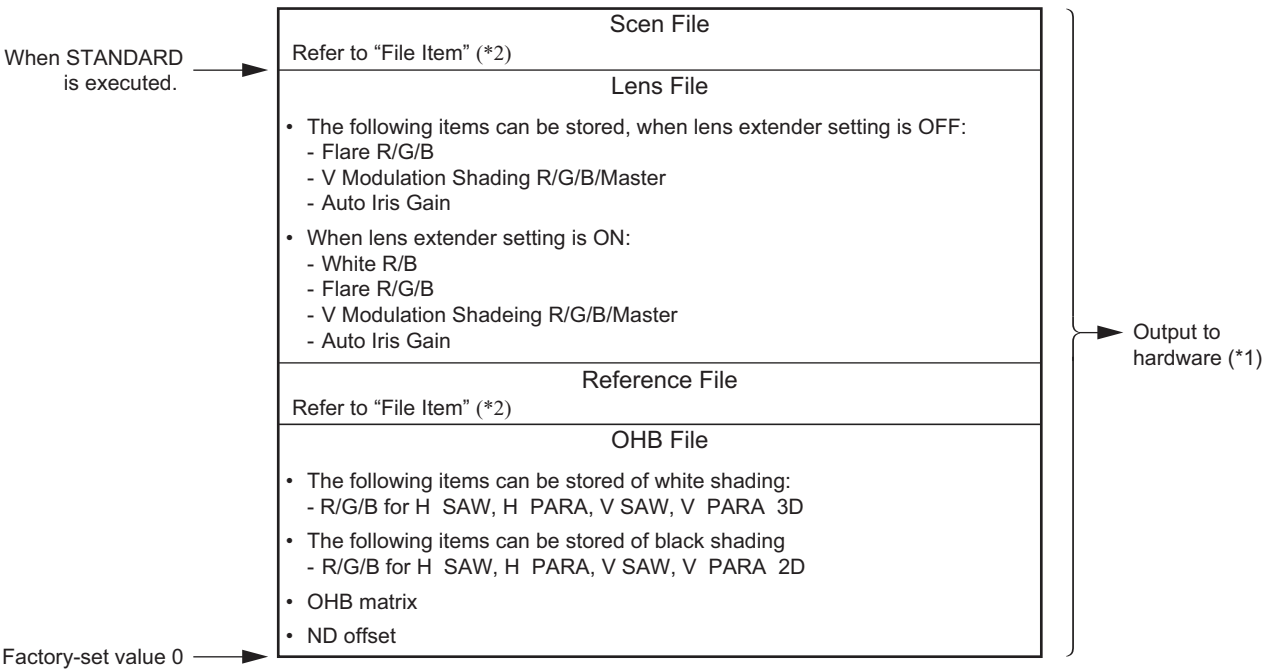
As for the details on the setup menu, refer to [“5. Setup Menu”](#).

### 4-1. File Structure

The following six types of files are available. As for the items to be stored in each file, refer to [“4-8. File Items”](#).

1. Operator File (Refer to [“4-2. Operator File”](#).)  
Stores the items displayed on the viewfinder and switch settings for camera operator. This file can be stored in a USB drive, yet video data (paint data) cannot be stored.
2. Preset Operator File (Refer to [“4-3. Preset Operator File”](#))  
Stores the factory settings of Operator File.  
This file can be stored in the camera, yet video data (paint data) cannot be stored.
3. Scene File (Refer to [“4-4. Scene File”](#))  
Stores the temporary video setting data according to the scene. This file can be stored in the camera and a USB drive.
4. Reference File (Refer to [“4-5. Reference File”](#))  
Stores the custom paint data adjusted by the video engineer. This file can be stored in the camera and a USB drive.
5. Lens File (Refer to [“4-6. Lens File”](#))  
Used for compensation of the deviation which is generated by switching the lens extender from OFF to ON and for compensation of the difference in the characteristics between lenses. This file is stored in the camera.
6. OHB File (Refer to [“4-7. OHB File”](#))  
Used for adjustment of the CCD block maintenance. This file can be stored in the camera.

### 4-1-1. Structure of Paint Related Files



(\*1): The additional data of each file is sent to each circuit in the unit.

(\*2): For items that can be stored in the scene file and the reference file, refer to ["4-8. File Items"](#).

## 4-2. Operator File

The operator file can be stored and read in the camera.

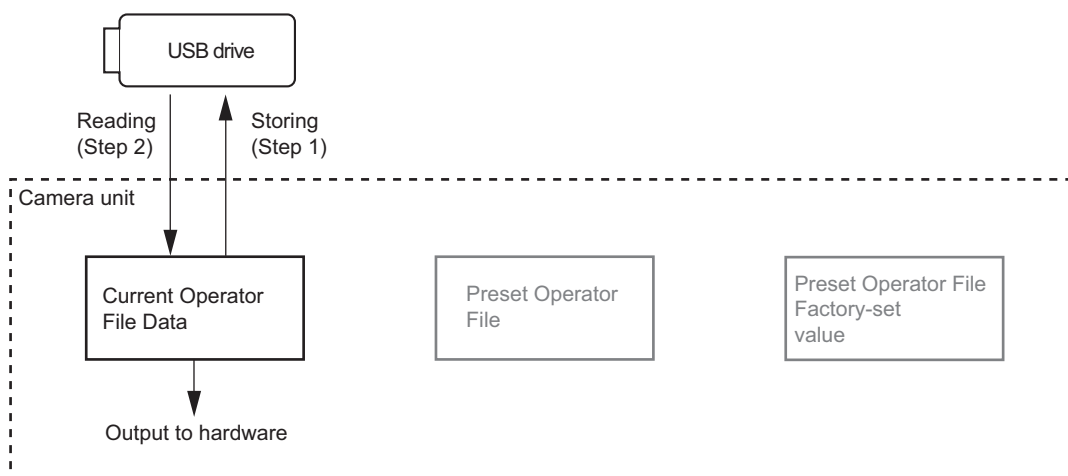
Use the setup menu to retain the operator file in and read the operator file from the USB memory.

### Note

- Operator file data stored in the USB drive cannot be read when the power is just turned ON.
- The current operator file data is retained even when the power is turned off by the power switch.

### 4-2-1. Operator File Operation

#### Outline Figure of Operation



#### Storing

Reference: Refer to step 1 of “Outline Figure of Operation”.

#### Using OPERATION Menu of This Unit

Stores the current status in the USB drive.

[OPERATION] → [OPERATOR FILE] → [WRITE (CAM → USB)]

#### Reading

Reference: Refer to step 2 of “Outline Figure of Operation”.

#### Using OPERATION Menu of This Unit

Reads the operator file stored in the USB drive to the camera.

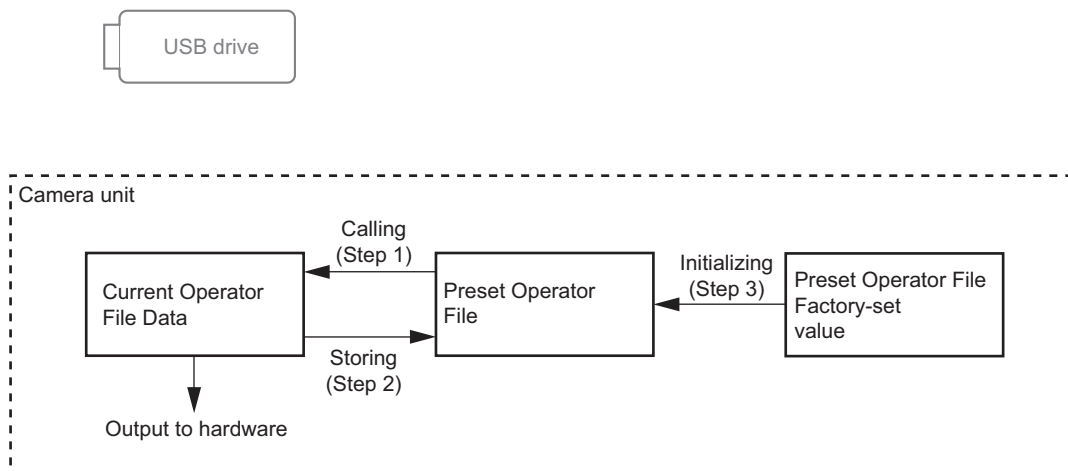
[OPERATION] → [OPERATOR FILE] → [READ (USB → CAM)]

## 4-3. Preset Operator File

Preset Operator File stores data in the camera. Data is called and stored using the setup menu. Items to be stored as Preset Operator File are the same as Operator File.

### 4-3-1. Preset Operator File Operation

#### Outline Figure of Operation



#### Calling

Reference: Refer to step 1 of “Outline Figure of Operation”.

#### Using OPERATION Menu of This Unit

Calls the preset operator file stored in the camera as the current operator file.

[OPERATION] → [OPERATOR FILE] → [PRESET]

#### Storing

Reference: Refer to step 2 of “Outline Figure of Operation”.

#### Using FILE Menu of This Unit

Stores the current operator file as the preset operator file.

[FILE] → [OPERATOR FILE] → [STORE PRESET FILE]

#### Initializing

Reference: Refer to step 3 of “Outline Figure of Operation”.

#### Using FILE Menu of This Unit

Introduce preset operator file to the factory settings.

[FILE] → [FILE CLEAR] → [PRESET OPERATOR]

## 4-4. Scene File

Scene files can be stored in the camera and USB drive.

Scene files can also be stored in the USB drive if the master setup unit (MSU) is used. For details, refer to the MSU operation manual.

Data is stored and called using the setup menu or MSU.

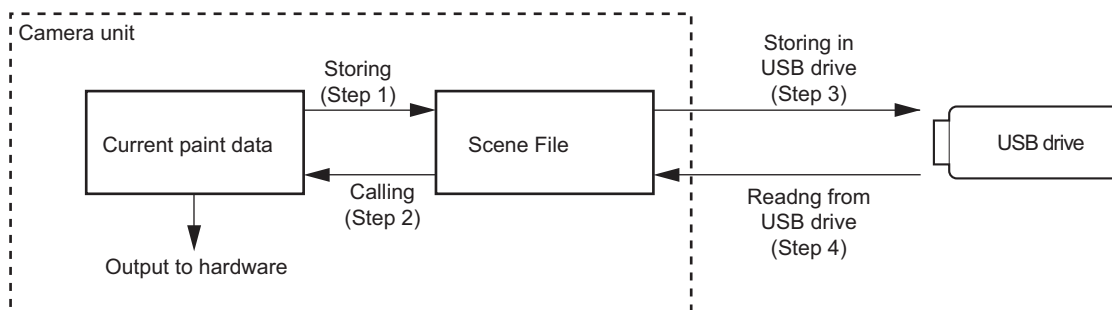
Scene files can be copied between cameras using the USB drive.

### Note

Scene Files are files for storing the differences from the Reference File. Therefore, when the Reference File is changed, output of the Scene File item corresponding to the item changed in the Reference File also varies.

### 4-4-1. Scene File Operation

#### Outline Figure of Operation



#### Storing

Reference: Refer to step 1 of “Outline Figure of Operation”.

#### Using PAINT Menu of This Unit

1. Change the scene file item to the desired value.
2. Select the scene file number [1 to 5] to be stored.  
[PAINT] → [SCENE FILE] → [STORE] → [1 to 5]

#### With MSU (Master Setup Unit)

1. Change the scene file item to the desired value.
2. Press the STORE button in the functional operation area on the operation panel.
3. Press the scene file number button in the functional operation area on the operation panel.

#### Calling and Clearing the Call

Reference: Refer to step 2 of “Outline Figure of Operation”.

#### Using PAINT Menu of This Unit

Select the scene file number to be called on the SCENE FILE page.

[PAINT] → [SCENE FILE] → [1 to 5]

A file currently being called is indicated with its file number highlighted. Select the number again to cancel the call and resume the previous status.

### **With MSU (Master Setup Unit)**

When the number button of the scene file you want to call is pressed and lit while the STORE button on the operation panel is not lit, the scene file of the number is called. Repressing the number button cancels calling of the scene file and the state before calling is restored.

---

### **Storing the Scene File to the USB Drive**

Reference: Refer to step 3 of “Outline Figure of Operation”.

#### **Using PAINT Menu of This Unit**

Stores the scene file stored in the camera in the USB drive.

[PAINT] → [SCENE FILE] → [WRITE (CAM → USB)]

---

### **Reading the Scene File from the USB Drive**

Reference: Refer to step 4 of “Outline Figure of Operation”.

#### **Using PAINT Menu of This Unit**

Reads the scene file stored in the USB drive to the camera.

[PAINT] → [SCENE FILE] → [READ (USB → CAM)]

|             |
|-------------|
| <b>Note</b> |
|-------------|

Scene File data stored in the USB drive cannot be read when the power is just turned on.



## 4-5. Reference File

Reference files can be stored in the camera and USB drive.

Reference files can also be stored in the memory stick if the master setup unit (MSU) is used. For details, refer to the MSU operation manual.

Data is stored and called using the setup menu or MSU.

Reference files can be copied between cameras using the USB drive.

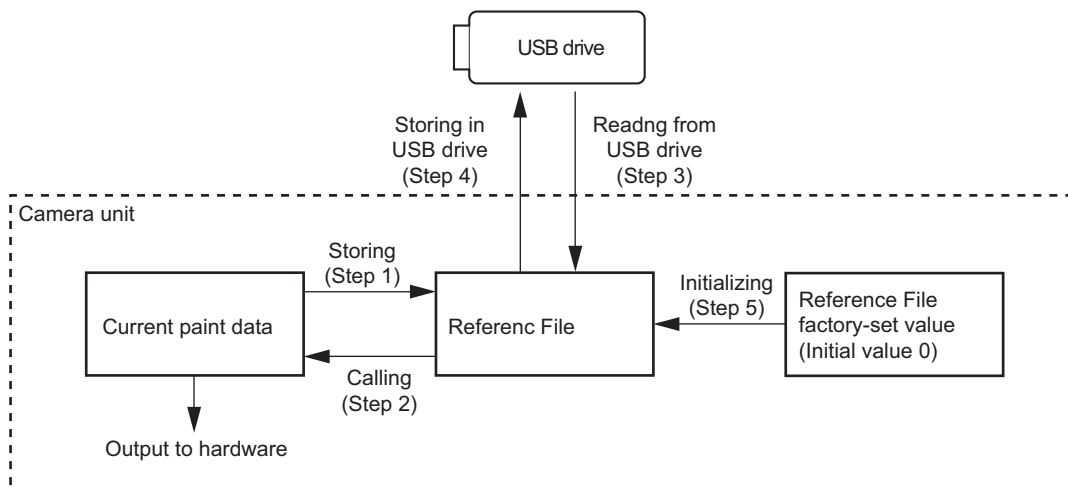
### Note

Reference File stores the differential data taking the factory-setting as 0. Therefore, initializing the Reference File brings the settings to the same status at the factory setting. If Lens File or OHB File retains the data, they need to be initialized as well.

To initialize data, use the setup menu. You can select all file items or only specified items to initialize.

### 4-5-1. Reference File Operation

#### Outline Figure of Operation



#### Storing

Reference: Refer to step 1 of “Outline Figure of Operation”.

#### Using FILE Menu of This Unit

Reference file is stored in the camera and the numerical data is displayed as 0. (Excluding some items. Refer to “4-8. File Items”.)

[FILE] → [REFERENCE] → [STORE FILE]

#### With MSU (Master Setup Unit)

1. Press the FILE button in the functional operation area on the operation panel.
2. Select [Ref File] → [Ref Store] by the menu operation.

Reference file is stored in the camera and the numerical data is displayed as 0. (Excluding some items. Refer to “4-8. File Items”.)

---

## Calling

Reference: Refer to step 2 of “Outline Figure of Operation”. Refer to [“4-1-1. Structure of Paint Related Files”](#).

### Using PAINT Menu of This Unit

Temporary paint (values of each item) and selection of scene file are reset, and the state when the reference file was stored is resumed.

[PAINT] → [SCENE FILE] → [STANDARD]

### With MSU (Master Setup Unit)

Pressing the STANDARD button in the camera/panel control area on the operation panel restores the state when the reference file was stored.

---

## Reading the Reference File from the USB Drive

Reference: Refer to step 3 of “Outline Figure of Operation”.

### Using FILE Menu of This Unit

Reference File data stored in the camera can be changed by reading the Reference File data stored in the USB drive.

[FILE] → [REFERENCE] → [READ (USB → CAM)]

|             |
|-------------|
| <b>Note</b> |
|-------------|

Reference file data stored in the USB drive cannot be read when the power is just turned on.

---

## Storing the Reference File in the USB Drive

Reference: Refer to step 4 of “Outline Figure of Operation”.

### Using FILE Menu of This Unit

Stores the reference file stored in the camera in the USB drive.

[FILE] → [REFERENCE] → [WRITE (CAM → USB)]

---

## Initializing All File Items

Reference: Refer to step 5 of “Outline Figure of Operation”.

### Using FILE Menu of This Unit

Re-set the reference file to the factory settings (default value: 0).

[FILE] → [FILE CLEAR] → [REFERENCE (ALL)]

## 4-6. Lens File

The Lens File stores the differential data from the Reference File.

Lens File stores the data to compensate the differences of the white shading, flare balance, and white balance, which occur when the lens extender is set to ON. It also stores the minimum f-stop value and name of the lens.

These adjustment data are stored in the camera. Lens File data of up to 25 files can be stored.

The adjustment data can be called by selecting a Lens File.

### Note

Before creating the Lens File, perform the necessary adjustments by using the lens usually used and register the Reference File.

### 4-6-1. Lens File Operation

---

#### Adjusting the Lens File Data

##### Using a lens that is not compatible with serial communication

1. Mount the lens and select the file with the same name as the mounted lens from the setup menu. If no file with the same name as the lens exists, select NO OFFSET.  
[FILE] → [LENS FILE] → [No.] (Select a lens number)
2. Set the lens name and minimum f-stop value.
3. Set the lens extender to OFF.
4. Shoot the white pattern, and fine-adjust it with V modulation R/G/B/Master so that the video level is around 80% (560 mV) with the lens iris set around F4 and the zoom control in the center of the ring.  
[PAINT] → [VIDEO LEVEL] → [V MOD R/G/B/M]
5. Adjust the white balance and flare balance with the grayscale chart.
6. Zoom the lens and adjust the center marker to a position at which the object does not deviate.

### Note

The center marker position is stored in the Lens File immediately after the position is aligned.

Note that the center marker position is not stored when Lens File Store is executed.

7. Execute Lens File Store.  
[FILE] → [LENS FILE] → [STORE FILE]
8. Set the lens extender to ON and repeat steps 4 to 7.

##### For lens compatible with serial communication

1. Check that the lens number is No. 17.
2. Also check that the name of the lens and minimum f-stop value.

3. Turn on the dynamic shading.

**Note**

If using the lens compatible with serial communication with the dynamic shading turned on, you do not require the V modulation adjustment. Adjust the white shading or V modulation only when the deviation occurs. In this case, the data will not be stored in the Lens File.

- Automatic white shading adjustment:  
Shoot the white pattern so that the video level is around 80% (560 mV).  
[MAINTENANCE] → [WHITE SHADING] → [AUTO WHITE SHADING]  
Or adjust the R/G/B/ white shading V SAW, V PARA, H SAW, and H PARA.  
[MAINTENANCE] → [WHITE SHADING] → [V SAW R/G/B], [V PARA R/G/B], [H SAW R/G/B], [H PARA R/G/B]
- V modulation adjustment:  
Shoot the white pattern, and fine-adjust it with V modulation R/G/B/Master so that the video level is around 80% (560 mV) with the lens iris set around F4 and the zoom control in the center of the ring.  
[PAINT] → [VIDEO LEVEL] → [V MOD R/G/B/M]

4. Set the lens extender to OFF.
5. Adjust the white balance and flare balance with the grayscale chart.
6. Zoom the lens and adjust the center marker to a position at which the object does not deviate.

**Note**

The center marker position is stored in the Lens File immediately after the position is aligned, and is not stored when Lens File Store is executed.

7. Execute Lens File Store.  
[FILE] → [LENS FILE] → [STORE FILE]
8. Set the lens extender to ON and repeat steps 5 to 7.

---

## Calling

### Using OPERATION Menu of This Unit

Calls the lens file stored in the camera.

[FILE] → [LENS FILE] → [No.]

## 4-7. OHB File

OHB File is used to store the adjustment values specific to the CCD block.

OHB File data is stored in the camera.

### 4-7-1. OHB File Operation

---

#### Adjusting and Storing

##### Using FILE/MAINTENANCE Menu of This Unit

1. Calls the reference file stored in the camera.  
[FILE] → [REFERENCE] → [STANDARD]
2. Perform the automatic black shading adjustment.  
[MAINTENANCE] → [BLACK SHADING] → [AUTO BLACK SHADING]  
Repeat this operation 3 times or more.  
When adjustment is not completed correctly, adjust the black shading automatically again.  
Or adjust the black shading V SAW, V PARA, H SAW, and H PARA on R/G/B respectively.  
[MAINTENANCE] → [BLACK SHADING] → [V SAW R/G/B], [V PARA R/G/B], [H SAW R/G/B], [H PARA R/G/B]
3. Perform the automatic black balance adjustment.  
[MAINTENANCE] → [AUTO SETUP] → [AUTO BLACK]
4. Perform the automatic white shading adjustment.  
Shoot the white pattern so that the video level is around 80% (560 mV).  
[MAINTENANCE] → [WHITE SHADING] → [AUTO WHITE SHADING]  
Repeat this operation 3 times or more.  
When adjustment is not completed correctly, adjust the white shading automatically again.  
Or adjust the white shading V SAW, V PARA, H SAW, and H PARA on R/G/B respectively.  
[MAINTENANCE] → [WHITE SHADING] → [V SAW R/G/B], [V PARA R/G/B], [H SAW R/G/B], [H PARA R/G/B]
5. Adjust the ND offset for all of ND filter 1 to ND filter 5.

**Note**

To change ND filters, press the ND filter switching button while pressing the FILTER LOCAL button.

- 1) Select 5 with the ND filter knob, and shoot the white pattern so that the video level is 50% (350 mV) or more.
- 2) Select 1 with the ND filter knob, and adjust the lens iris so that the video level is 80 to 50% (560 to 350 mV), and then perform the automatic white balance adjustment.
- 3) Select 2 with the ND filter knob, and adjust in the same manner as step 2).
- 4) Select 3 with the ND filter knob, and adjust in the same manner as step 2).
- 5) Select 4 with the ND filter knob, and adjust in the same manner as step 2).
- 6) Select 5 with the ND filter knob, and adjust in the same manner as step 2).
6. Perform the OHB matrix adjustment.  
[MAINTENANCE] → [OHB MATRIX] → [OHB MATRIX: ON]
7. Store the OHB File.  
[FILE] → [OHB FILE] → [STORE FILE]

##### With MSU (Master Setup Unit)

1. Press the STANDARD button in the camera/panel control area on the operation panel (ON: lit).
2. Press the FILE button in the menu operation area on the operation panel (ON: lit).

3. Perform the automatic black shading adjustment.  
 [OHB] → [Auto B Shading]  
 Repeat this operation 3 times or more.  
 When adjustment is not completed correctly, adjust the black shading automatically again.  
 Or adjust the black shading V SAW, V PARA, H SAW, and H PARA on R/G/B respectively.  
 [OHB] → [Adjusting] → [Black Shading] → [R/G/B] → [V SAW], [V PARA], [H SAW], [H PARA]
4. Perform the automatic black balance adjustment.  
 Press the BLACK button in the camera/panel control area on the operation panel (ON: lit).  
 Or select [OHB] → [Auto Black] by the menu operation.
5. Perform the automatic white shading adjustment.  
 Shoot the white pattern so that the video level is around 80% (560 mV).  
 [OHB] → [Auto W Shading]  
 Repeat this operation 3 times or more.  
 When adjustment is not completed correctly, adjust the white shading automatically again.  
 Or adjust the white shading V SAW, V PARA, H SAW, and H PARA on R/G/B respectively.  
 [OHB] → [Adjusting] → [White Shading] → [R/G/B] → [V SAW], [V PARA], [H SAW], [H PARA]
6. Adjust the ND offset for all of ND filter 1 to ND filter 5.

**Note**

To change ND filters, press the ND filter switching button while pressing the FILTER LOCAL button.

- 1) Select 5 with the ND filter knob, and shoot the white pattern so that the video level is 50% (350 mV) or more.
- 2) Select 1 with the ND filter knob, and adjust the lens iris so that the video level is 80 to 50% (560 to 350 mV), and then perform the automatic white balance adjustment.
- 3) Perform the automatic white shading adjustment.  
 Press the WHITE button in the camera/panel control area on the operation panel (ON: lit).  
 Or select [OHB] → [Auto White] by the menu operation.
- 4) Select 2 with the ND filter knob, and adjust in the same manner as step 2) to 3).
- 5) Select 3 with the ND filter knob, and adjust in the same manner as step 2) to 3).
- 6) Select 4 with the ND filter knob, and adjust in the same manner as step 2) to 3).
- 7) Select 5 with the ND filter knob, and adjust in the same manner as step 2) to 3).
7. Perform the OHB matrix adjustment.  
 [OHB] → [Adjusting] → [Matrix]  
 Change the adjustment display by pressing the button 1, 2 of sub menu, and adjust the value of the OHB matrix.
8. Store the OHB File.  
 [OHB] → [OHB Store] → [Store]

## 4-8. File Items

You can save the data that is set with the setup menu in files.

This section lists the destination files in which the respective setting data can be stored.

This section also shows the indication mode (absolute or relative) of each setting and the default settings when the unit was shipped from the factory.

### Description on symbols

○: When executing each file store, it indicates items that can be stored in the file. (If ON or OFF is described in the list, the setting is stored as it is.)

×: Setting is not stored in the file.

—: Unstorable because of temporary operation, etc.

| Function      | Switch Item        | Analog File            | SCENE File | REFERENCE File | LEN S File | OPERATOR File | OH B File | Note            |
|---------------|--------------------|------------------------|------------|----------------|------------|---------------|-----------|-----------------|
| GAIN          | Master Gain Select |                        | ○          | ○              | ×          | ×             | ×         | −6 dB to +12 dB |
| Iris          |                    | IRIS                   | ×          | ×              | ×          | ×             | ×         |                 |
|               | Auto Iris ON       |                        | ○          | ○              | ×          | ×             | ×         |                 |
|               |                    | Level                  | ○          | ○              | ×          | ×             | ×         |                 |
|               |                    | APL                    | ○          | ○              | ×          | ×             | ×         |                 |
|               |                    | Gain                   | ○          | ○              | ○          | ×             | ×         |                 |
|               |                    | Over ride              | ×          | ×              | ×          | ×             | ×         |                 |
|               | Detect Pattern     |                        | ○          | ○              | ○          | ×             | ×         |                 |
|               | Close              |                        | ×          | OFF            | ×          | ×             | ×         |                 |
| Shutter       | Shutter ON         |                        | ○          | OFF            | ×          | ×             | ×         |                 |
|               | Shutter Select     |                        | ○          | ×              | ×          | ×             | ×         |                 |
| ECS           | ECS ON             |                        | ○          | OFF            | ×          | ×             | ×         |                 |
|               |                    | ECS Frequency          | ○          | ×              | ×          | ×             | ×         |                 |
| Black Shading |                    | Black Shading H Saw-R  | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading H Saw-G  | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading H Saw-B  | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading V Saw-R  | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading V Saw-G  | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading V Saw-B  | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading H Para-R | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading H Para-G | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading H Para-B | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading V Para-R | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    | Black Shading V Para-G | ×          | ×              | ×          | ×             | ○         |                 |
|               |                    |                        |            |                |            |               |           |                 |
|               |                    |                        |            |                |            |               |           |                 |

Continued

| Function       | Switch Item             | Analog File            | SCENE File | REFERENCE File | LEN S File | OPERATOR File | OH B File | Note |
|----------------|-------------------------|------------------------|------------|----------------|------------|---------------|-----------|------|
|                |                         | Black Shading V Para-B | ×          | ×              | ×          | ×             | ○         |      |
|                | Auto Black Shading      |                        | ×          | ×              | ×          | ×             | ×         |      |
| Black set      |                         | Black Set-R            | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | Black Set-G            | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | Black Set-B            | ×          | ×              | ×          | ×             | ○         |      |
| Test           | Test1 ON (TEST SAW)     |                        | ×          | ×              | ×          | ×             | ×         |      |
|                | Test2 ON                |                        | ×          | ×              | ×          | ×             | ×         |      |
|                | Test2 Mode 3step/10step |                        | ×          | ×              | ×          | ×             | ×         |      |
| Optical filter | Filter (ND)             |                        | ○          | ×              | ×          | ×             | ×         |      |
|                | Filter Remote/Local     |                        | ×          | ×              | ×          | ×             | ×         |      |
| 5600k          | 5600K ON                |                        | ○          | OFF            | ×          | ×             | ×         |      |
| White Shading  |                         | White Shading H Saw-R  | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading H Saw-G  | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading H Saw-B  | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading V Saw-R  | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading V Saw-G  | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading V Saw-B  | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading H Para-R | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading H Para-G | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading H Para-B | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading V Para-R | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading V Para-G | ×          | ×              | ×          | ×             | ○         |      |
|                |                         | White Shading V Para-B | ×          | ×              | ×          | ×             | ○         |      |
|                | Auto White Shading      |                        | ×          | ×              | ×          | ×             | ×         |      |
| V Modulation   | V Mod Shading OFF       |                        | ×          | ON             | ×          | ×             | ×         |      |
|                |                         | Mod Shading V Saw-R    | ×          | ×              | ○          | ×             | ×         |      |
|                |                         | Mod Shading V Saw-G    | ×          | ×              | ○          | ×             | ×         |      |
|                |                         | Mod Shading V Saw-B    | ×          | ×              | ○          | ×             | ×         |      |
|                |                         | Master V Mod Saw       | ×          | ×              | ○          | ×             | ×         |      |

Continued



| Function    | Switch Item                     | Analog File          | SCENE File | REFERENCE File | LEN S File | OPERATOR File | OH B File | Note |
|-------------|---------------------------------|----------------------|------------|----------------|------------|---------------|-----------|------|
|             | Dynamic Shading Compensation ON |                      | ×          | ×              | ×          | ×             | ×         |      |
| White       |                                 | White-R              | ○          | ○              | OFF-SET    | ×             | ×         |      |
|             |                                 | White-G              | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | White-B              | ○          | ○              | OFF-SET    | ×             | ×         |      |
|             |                                 | color temp           | —          | —              | —          | —             | —         |      |
|             |                                 | balance              | —          | —              | —          | —             | —         |      |
|             |                                 | Master White Gain    | ×          | ×              | ×          | ×             | ×         |      |
|             | Auto White Balance              |                      | ×          | ×              | ×          | ×             | ×         |      |
| Flare       | Flare OFF                       |                      | ○          | ON             | ×          | ×             | ×         |      |
|             |                                 | Flare-R              | ○          | ○              | ○          | ×             | ×         |      |
|             |                                 | Flare-G              | ○          | ○              | ○          | ×             | ×         |      |
|             |                                 | Flare-B              | ○          | ○              | ○          | ×             | ×         |      |
| Black       |                                 | Master Black         | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Black-R              | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Black-G              | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Black-B              | ○          | ○              | ×          | ×             | ×         |      |
|             | Auto Black Balance              |                      | ×          | ×              | ×          | ×             | ×         |      |
| Detail      | Detail OFF                      |                      | ○          | ON             | ×          | ×             | ×         |      |
|             |                                 | Detail Level         | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Detail Limiter       | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Detail White Limiter | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Detail Black Limiter | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Detail Crisp-ening   | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | H Detail Frequency   | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Mix Ratio            | ○          | ○              | ×          | ×             | ×         |      |
|             | V DTL control mode              |                      | ×          | ○              | ×          | ×             | ×         |      |
|             |                                 | Detail H/V Ratio     | ○          | ○              | ×          | ×             | ×         |      |
|             | Level Dep. OFF                  |                      | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Detail Level Depend  | ○          | ○              | ×          | ×             | ×         |      |
|             | Knee Aperture ON                |                      | ○          | ○              | ×          | ×             | ×         |      |
|             |                                 | Knee Aperture        | ○          | ○              | ×          | ×             | ×         |      |
| Skin Detail | Skin DTL ON                     |                      | ○          | ○              | ×          | ×             | ×         |      |
|             | Natural Skin Detail ON          |                      | ○          | ○              | ×          | ×             | ×         |      |
|             | Skin Gate ON                    |                      | ×          | ×              | ×          | ×             | ×         |      |

Continued

| Function                 | Switch Item                | Analog File  | SCENE File | REFERENCE File | LEN S File | OPERATOR File | OH B File | Note |
|--------------------------|----------------------------|--------------|------------|----------------|------------|---------------|-----------|------|
|                          | Skin Gate (CCU)            |              | ×          | ×              | ×          | ×             | ×         |      |
|                          | Skin Detail Auto Hue (ch1) |              | ×          | ×              | ×          | ×             | ×         |      |
|                          | Skin Detail Auto Hue (ch2) |              | ×          | ×              | ×          | ×             | ×         |      |
|                          | Skin Detail Auto Hue (ch3) |              | ×          | ×              | ×          | ×             | ×         |      |
|                          | Skin 1 ON                  |              | ON         | ON             | ×          | ×             | ×         |      |
|                          | Skin 1 Gate ON             |              | ×          | ×              | ×          | ×             | ×         |      |
|                          |                            | Skin 1 Level | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Skin 1 Phase | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Skin 1 Width | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Skin 1 Sat   | ○          | ○              | ×          | ×             | ×         |      |
|                          | Skin 2 ON                  |              | ○          | ○              | ×          | ×             | ×         |      |
|                          | Skin 2 Gate ON             |              | ×          | ×              | ×          | ×             | ×         |      |
|                          |                            | Skin 2 Level | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Skin 2 Phase | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Skin 2 Width | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Skin 2 Sat   | ○          | ○              | ×          | ×             | ×         |      |
|                          | Skin 3 ON                  |              | ○          | ○              | ×          | ×             | ×         |      |
|                          | Skin 3 Gate ON             |              | ×          | ×              | ×          | ×             | ×         |      |
|                          |                            | Skin 3 Level | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Skin 3 Phase | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Skin 3 Width | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Skin 3 Sat   | ○          | ○              | ×          | ×             | ×         |      |
| Matrix                   | Matrix OFF                 |              | ○          | ○              | ×          | ×             | ×         |      |
|                          | Preset Matrix ON           |              | ○          | ○              | ×          | ×             | ×         |      |
|                          | Preset Matrix Sel          |              | ×          | ×              | ×          | ×             | ×         |      |
|                          | User Matrix ON             |              | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | R-G          | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | R-B          | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | G-R          | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | G-B          | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | B-R          | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | B-G          | ○          | ○              | ×          | ×             | ×         |      |
|                          | Multi Matrix ON            |              | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | gate         | ×          | ×              | ×          | ×             | ×         |      |
|                          |                            | Phase select | ×          | ×              | ×          | ×             | ×         |      |
|                          |                            | Hue          | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | Saturation   | ○          | ○              | ×          | ×             | ×         |      |
| Digital liner saturation | Saturation ON              |              | ○          | ○              | ×          | ×             | ×         |      |
|                          |                            | saturation   | ○          | ○              | ×          | ×             | ×         |      |
| OHB matrix               | OHB Matrix ON              |              | ×          | ○              | ×          | ×             | ×         |      |

Continued

| Function           | Switch Item                 | Analog File              | SCENE File | REFERENCE File | LEN S File | OPERATOR File | OH B File | Note |
|--------------------|-----------------------------|--------------------------|------------|----------------|------------|---------------|-----------|------|
|                    |                             | Phase select             | ×          | ×              | ×          | ×             | ×         |      |
|                    |                             | Hue                      | ×          | ×              | ×          | ×             | ○         |      |
|                    |                             | Saturation               | ×          | ×              | ×          | ×             | ○         |      |
| Black Gamma        | Black Gamma ON              |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | R Black Gamma            | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | G Black Gamma            | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | B Black Gamma            | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | M Black Gamma            | ○          | ○              | ×          | ×             | ×         |      |
|                    | Black Gamma (RGB) Range     |                          | ○          | ○              | ×          | ×             | ×         |      |
| Low key saturation | Low Key Saturation ON       |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    | Range                       |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | Low Key Saturation level | ○          | ○              | ×          | ×             | ×         |      |
| Gamma              | Gamma OFF                   |                          | ○          | ON             | ×          | ×             | ×         |      |
|                    | Gamma Category Select       |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    | STANDARD Gamma Table Select |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    | HYPER Gamma Table Select    |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    | Cine Gamma Table Select     |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    | User Gamma Table Select     |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    | Step Gamma (0.90 ~ 0.35)    |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | R Gamma                  | ○          | ○ (RGB mode)   | ×          | ×             | ×         |      |
|                    |                             | G Gamma                  | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | B Gamma                  | ○          | ○ (RGB mode)   | ×          | ×             | ×         |      |
|                    |                             | M Gamma                  | ○          | ○              | ×          | ×             | ×         |      |
| Knee               | Knee OFF                    |                          | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | R Knee point             | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | G Knee point             | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | B Knee point             | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | M Knee point             | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | R Knee Slope             | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | G Knee Slope             | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | B Knee Slope             | ○          | ○              | ×          | ×             | ×         |      |
|                    |                             | M Knee Slope             | ○          | ○              | ×          | ×             | ×         |      |
|                    | Knee Max ON                 |                          | ×          | OFF            | ×          | ×             | ×         |      |

Continued

| Function          | Switch Item          | Analog File             | SCENE File | REFERENCE File | LEN S File | OPERATOR File | OH B File | Note                    |
|-------------------|----------------------|-------------------------|------------|----------------|------------|---------------|-----------|-------------------------|
|                   | Knee Saturation ON   |                         | ○          | ○              | ×          | ×             | ×         |                         |
|                   |                      | Knee saturation         | ○          | ○              | ×          | ×             | ×         |                         |
|                   | Auto Knee (DCC) ON   |                         | ○          | ○              | ×          | ×             | ×         |                         |
|                   |                      | Auto Knee Point Limit   | ○          | ○              | ×          | ×             | ×         |                         |
|                   |                      | Auto Knee Slope         | ○          | ○              | ×          | ×             | ×         |                         |
| White Clip        | White Clip OFF       |                         | ○          | ON             | ×          | ×             | ×         |                         |
|                   |                      | White Clip              | ○          | ○              | ×          | ×             | ×         |                         |
| Noise Suppression | Noise Suppression ON |                         | ○          | ○              | ×          | ×             | ×         |                         |
|                   | Level                |                         | ○          | ○              | ×          | ×             | ×         |                         |
| Mono Color        | Mono Color ON        |                         | ○          | OFF            | —          | —             | —         | Connected with CCU only |
|                   |                      | Mono Color Saturation   | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | Mono Color Hue          | ○          | ○              | —          | —             | —         | Connected with CCU only |
| SD Detail         | SD Detail OFF        |                         | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | SD Detail Level         | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | SD Detail Limiter       | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | SD Detail White Limiter | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | SD Detail Black Limiter | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | SD Detail Crispening    | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | SD H Detail Frequency   | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | SD Detail H/V Ratio     | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | SD Detail Level Depend  | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                   |                      | SD Detail Comb          | ○          | ○              | —          | —             | —         | Connected with CCU only |

Continued

| Function           | Switch Item            | Analog File               | SCENE File | REFERENCE File | LEN S File | OPERATOR File | OH B File | Note                    |
|--------------------|------------------------|---------------------------|------------|----------------|------------|---------------|-----------|-------------------------|
| Cross Color Reduce | Cross Color Reduce OFF |                           | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | Cross Color Reduce Level  | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | Cross Color Reduce Coring | ○          | ○              | —          | —             | —         | Connected with CCU only |
| SD Matrix          | SD Matrix OFF          |                           | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    | SD Preset Matrix ON    |                           | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    | SD User Matrix ON      |                           | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | R-G                       | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | R-B                       | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | G-R                       | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | G-B                       | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | B-R                       | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | B-G                       | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    | SD Multi Matrix ON     |                           | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | Phase select              | ×          | ×              | —          | —             | —         | Connected with CCU only |
|                    |                        | Hue                       | ○          | ○              | —          | —             | —         | Connected with CCU only |
|                    |                        | Saturation                | ○          | ○              | —          | —             | —         | Connected with CCU only |
| SD Gamma           | SD Gamma OFF           |                           | ○          | ON             | —          | —             | —         | Connected with CCU only |
|                    |                        | SD M Gamma                | ○          | ○              | —          | —             | —         | Connected with CCU only |

Continued

| Function          | Switch Item                      | Analog File | SCENE File | REFER-ENCE File | LEN S File | OPERA-TOR File | OH B File | Note |
|-------------------|----------------------------------|-------------|------------|-----------------|------------|----------------|-----------|------|
| Level auto set up | level auto set UP                |             | ×          | ×               | ×          | ×              | ×         |      |
|                   | White Setup Mode                 |             | ×          | ×               | ×          | ×              | ×         |      |
| File              | Standard                         |             | —          | —               | —          | —              | —         |      |
|                   | reference file store             |             | —          | —               | —          | —              | —         |      |
|                   | reference store to USB drive     |             | —          | —               | —          | —              | —         |      |
|                   | reference recall from USB drive  |             | —          | —               | —          | —              | —         |      |
|                   | Scene file recall                |             | —          | —               | —          | —              | —         |      |
|                   | Scene file store                 |             | —          | —               | —          | —              | —         |      |
|                   | Scene file store to USB drive    |             | —          | —               | —          | —              | —         |      |
|                   | Scene file recall from USB drive |             | —          | —               | —          | —              | —         |      |
|                   | Lens file recall                 |             | —          | —               | —          | —              | —         |      |
|                   | Lens file store                  |             | —          | —               | —          | —              | —         |      |
|                   | OHB file store                   |             | —          | —               | —          | —              | —         |      |
| Format            | 1080 59.94i                      |             | —          | —               | —          | —              | —         |      |
|                   | 1080 50i                         |             | —          | —               | —          | —              | —         |      |
|                   | 720 59.94P                       |             | —          | —               | —          | —              | —         |      |
|                   | 720 50P                          |             | —          | —               | —          | —              | —         |      |
| Digital ex-tender | digital extender ON              |             | ×          | ×               | ×          | ×              | ×         |      |

| Menu                | Item    | SCENE File | REFERENCE File | LENS File | OPERATOR File | OHB File | Note |
|---------------------|---------|------------|----------------|-----------|---------------|----------|------|
| USER MENU customize |         | —          | —              | —         | ○             | —        |      |
| VF DISPLAY          | EX      | —          | —              | —         | ○             | —        |      |
|                     | ZOOM    | —          | —              | —         | ○             | —        |      |
|                     | DISP    | —          | —              | —         | ○             | —        |      |
|                     | FOCUS   | —          | —              | —         | ○             | —        |      |
|                     | ND      | —          | —              | —         | ○             | —        |      |
|                     | 5600K   | —          | —              | —         | ○             | —        |      |
|                     | IRIS    | —          | —              | —         | ○             | —        |      |
|                     | WHITE   | —          | —              | —         | ○             | —        |      |
|                     | D.EXT   | —          | —              | —         | ○             | —        |      |
|                     | GAIN    | —          | —              | —         | ○             | —        |      |
|                     | SHUTTER | —          | —              | —         | ○             | —        |      |
|                     | BATT    | —          | —              | —         | ○             | —        |      |
|                     | RETURN  | —          | —              | —         | ○             | —        |      |
|                     | TALK    | —          | —              | —         | ○             | —        |      |
|                     | MESSAG  | —          | —              | —         | ○             | —        |      |
| ! IND               | ND      | —          | —              | —         | ○             | —        |      |
|                     | WHITE   | —          | —              | —         | ○             | —        |      |
|                     | 5600K   | —          | —              | —         | ○             | —        |      |

Continued

| Menu              | Item              | SCENE<br>File | REFERENCE<br>File | LENS<br>File | OPERATOR<br>File | OHB<br>File | Note |
|-------------------|-------------------|---------------|-------------------|--------------|------------------|-------------|------|
|                   | GAIN              | —             | —                 | —            | ○                | —           |      |
|                   | SHUTTER           | —             | —                 | —            | ○                | —           |      |
|                   | FAN               | —             | —                 | —            | ○                | —           |      |
|                   | EXT               | —             | —                 | —            | ○                | —           |      |
|                   | FORMAT            | —             | —                 | —            | ○                | —           |      |
|                   | Y TALLY           | —             | —                 | —            | ○                | —           |      |
| VF MARKER         | MARKER            | —             | —                 | —            | ○                | —           |      |
|                   | LEVEL             | —             | —                 | —            | ○                | —           |      |
|                   | CENTER            | —             | —                 | —            | ○                | —           |      |
|                   | SAFETY<br>ZONE    | —             | —                 | —            | ○                | —           |      |
|                   | EFFECT            | —             | —                 | —            | ○                | —           |      |
|                   | ASPECT            | —             | —                 | —            | ○                | —           |      |
|                   | MASK              | —             | —                 | —            | ○                | —           |      |
|                   | SAFETY            | —             | —                 | —            | ○                | —           |      |
| VF DETAIL         | VF DETAIL         | —             | —                 | —            | ○                | —           |      |
|                   | CRISP             | —             | —                 | —            | ○                | —           |      |
|                   | FREQUENCY         | —             | —                 | —            | ○                | —           |      |
|                   | FLICKER           | —             | —                 | —            | ○                | —           |      |
|                   | AREA              | —             | —                 | —            | ○                | —           |      |
|                   | ZOOM LINK         | —             | —                 | —            | ○                | —           |      |
|                   | COLOR DE-<br>TAIL | —             | —                 | —            | ○                | —           |      |
|                   | PEAK COLOR        | —             | —                 | —            | ○                | —           |      |
|                   | CHROMA<br>LEVEL   | —             | —                 | —            | ○                | —           |      |
| FOCUS AS-<br>SIST | INDICATOR         | —             | —                 | —            | ○                | —           |      |
|                   | MODE              | —             | —                 | —            | ○                | —           |      |
|                   | LEVEL             | —             | —                 | —            | ○                | —           |      |
|                   | GAIN              | —             | —                 | —            | ○                | —           |      |
|                   | OFFSET            | —             | —                 | —            | ○                | —           |      |
|                   | AREA MAK-<br>ER   | —             | —                 | —            | ○                | —           |      |
|                   | SIZE              | —             | —                 | —            | ○                | —           |      |
|                   | POSITION          | —             | —                 | —            | ○                | —           |      |
|                   | POSITION H        | —             | —                 | —            | ○                | —           |      |
|                   | POSITION V        | —             | —                 | —            | ○                | —           |      |
|                   |                   |               |                   |              |                  |             |      |
| ZEBRA             | ZEBRA             | —             | —                 | —            | ○                | —           |      |
|                   | ZEBRA1 LEV-<br>EL | —             | —                 | —            | ○                | —           |      |
|                   | WIDTH             | —             | —                 | —            | ○                | —           |      |
|                   | ZEBRA2 LEV-<br>EL | —             | —                 | —            | ○                | —           |      |

Continued

| Menu                | Item                | SCENE<br>File | REFERENCE<br>File | LENS<br>File | OPERATOR<br>File | OHB<br>File | Note |
|---------------------|---------------------|---------------|-------------------|--------------|------------------|-------------|------|
| CURSOR              | CURSOR              | —             | —                 | —            | ○                | —           |      |
|                     | BOX/CROSS           | —             | —                 | —            | ○                | —           |      |
|                     | H POSITION          | —             | —                 | —            | ○                | —           |      |
|                     | V POSITION          | —             | —                 | —            | ○                | —           |      |
|                     | WIDTH               | —             | —                 | —            | ○                | —           |      |
|                     | HEIGHT              | —             | —                 | —            | ○                | —           |      |
| BOX MEMO-<br>RY     | H POSI              | —             | —                 | —            | ○                | —           |      |
|                     | V POSI              | —             | —                 | —            | ○                | —           |      |
|                     | WIDTH               | —             | —                 | —            | ○                | —           |      |
|                     | HEIGHT              | —             | —                 | —            | ○                | —           |      |
| SPIRIT LEVEL        | INDICATOR           | —             | —                 | —            | ○                | —           |      |
|                     | V POSITION          | —             | —                 | —            | ○                | —           |      |
|                     | OFFSET              | —             | —                 | —            | ○                | —           |      |
| VF OUT              | VF OUT              | —             | —                 | —            | ○                | —           |      |
|                     | RET MIX VF          | —             | —                 | —            | ○                | —           |      |
|                     | MIX DIREC-<br>TION  | —             | —                 | —            | ○                | —           |      |
|                     | MIX VF<br>MODE      | —             | —                 | —            | ○                | —           |      |
|                     | MIX VF LEV-<br>EL   | —             | —                 | —            | ○                | —           |      |
|                     | CHARACTER<br>LEVEL  | —             | —                 | —            | ○                | —           |      |
| SWITCH AS-<br>SIGN1 | GAIN [L]            | —             | —                 | —            | ○                | —           |      |
|                     | GAIN [M]            | —             | —                 | —            | ○                | —           |      |
|                     | GAIN [H]            | —             | —                 | —            | ○                | —           |      |
|                     | ASSIGNABLE          | —             | —                 | —            | ○                | —           |      |
|                     | RE.ROTA-<br>TION    | —             | —                 | —            | ○                | —           |      |
| SWITCH AS-<br>SIGN2 | LENS VTR S/S        | —             | —                 | —            | ○                | —           |      |
|                     | FRONT RET1          | —             | —                 | —            | ○                | —           |      |
|                     | FRONT RET2          | —             | —                 | —            | ○                | —           |      |
|                     | HANDLE SW1          | —             | —                 | —            | ○                | —           |      |
|                     | HANDLE SW2          | —             | —                 | —            | ○                | —           |      |
|                     | ZOOM SPEED          | —             | —                 | —            | ○                | —           |      |
| RETURN              | RET1 SW SEL         | —             | —                 | —            | ○                | —           |      |
|                     | RET2 SW SEL         | —             | —                 | —            | ○                | —           |      |
|                     | RET3 SW SEL         | —             | —                 | —            | ○                | —           |      |
|                     | RET1 SW<br>+RET2 SW | —             | —                 | —            | ○                | —           |      |
| HEADSET<br>MIC      | INTERCOM1           | —             | —                 | —            | ○                | —           |      |
|                     | LEVEL               | —             | —                 | —            | ○                | —           |      |
|                     | POWER               | —             | —                 | —            | ○                | —           |      |
|                     | UNBAL               | —             | —                 | —            | ○                | —           |      |
|                     | INTERCOM2           | —             | —                 | —            | ○                | —           |      |
|                     | LEVEL               | —             | —                 | —            | ○                | —           |      |
|                     | POWER               | —             | —                 | —            | ○                | —           |      |
|                     | UNBAL               | —             | —                 | —            | ○                | —           |      |

Continued



| Menu       | Item                             | SCENE<br>File | REFERENCE<br>File | LENS<br>File | OPERATOR<br>File | OHB<br>File | Note |
|------------|----------------------------------|---------------|-------------------|--------------|------------------|-------------|------|
| INTERCOM 1 | INTERCOM1<br>RECEIVE SE-<br>LECT | —             | —                 | —            | ○                | —           |      |
|            | INTERCOM                         | —             | —                 | —            | ○                | —           |      |
|            | PGM1                             | —             | —                 | —            | ○                | —           |      |
|            | PGM2                             | —             | —                 | —            | ○                | —           |      |
|            | TRACKER                          | —             | —                 | —            | ○                | —           |      |
|            | SIDE TONE                        | —             | —                 | —            | ○                | —           |      |
| INTERCOM 2 | INTERCOM2<br>RECEIVE SE-<br>LECT | —             | —                 | —            | ○                | —           |      |
|            | INTERCOM                         | —             | —                 | —            | ○                | —           |      |
|            | PGM1                             | —             | —                 | —            | ○                | —           |      |
|            | PGM2                             | —             | —                 | —            | ○                | —           |      |
|            | TRACKER                          | —             | —                 | —            | ○                | —           |      |
|            | SIDE TONE                        | —             | —                 | —            | ○                | —           |      |
| TRACKER    | TRACKER RE-<br>CEIVE SE-<br>LECT | —             | —                 | —            | ○                | —           |      |
|            | INTERCOM                         | —             | —                 | —            | ○                | —           |      |
|            | PGM1                             | —             | —                 | —            | ○                | —           |      |
|            | PGM2                             | —             | —                 | —            | ○                | —           |      |
|            | INPUT LEVEL                      | —             | —                 | —            | ○                | —           |      |
|            | OUTPUT LEV-<br>EL L-CH           | —             | —                 | —            | ○                | —           |      |
|            | R-CH                             | —             | —                 | —            | ○                | —           |      |
| EARPHONE   | EARPHONE<br>RECEIVE SE-<br>LECT  | —             | —                 | —            | ○                | —           |      |
|            | INTERCOM                         | —             | —                 | —            | ○                | —           |      |
|            | PGM1                             | —             | —                 | —            | ○                | —           |      |
|            | PGM2                             | —             | —                 | —            | ○                | —           |      |
|            | TRACKER                          | —             | —                 | —            | ○                | —           |      |



## Section 5

# Setup Menu

### 5-1. Overview of Setup Menu

Some of adjustments given in this section use the setup menu. The setup menu consists of the following menus. Besides there is a TOP menu indicating the entire configuration of menu items.

- USER menu
- USER MENU CUSTOMIZE menu
- OPERATION menu
- PAINT menu
- MAINTENANCE menu
- FILE menu
- DIAGNOSIS menu
- SERVICE menu

In this section, describes the setup menu operation as follows.

For example: When AUTO LEVEL in AUTO SETUP page of MAINTENANCE menu is performed:

MENU: MAINTENANCE

PAGE: AUTO SETUP

ITEM: AUTO LEVEL

#### 5-1-1. How to Display the SERVICE Menu/ How to Change the Setting Values

---

##### How to Display the SERVICE Menu

Set the DISPLAY switch to “MENU” while pressing the ASSIGNABLE 1 switch and the rotary encoder.

---

##### How to Change the Setting Values

To enter or cancel the setting value of items, which can be changed by turning the rotary encoder, proceed as follows.

To enter the setting value: Press the rotary encoder.

To cancel the setting value: Before pressing the rotary encoder, press the STATUS/CANCEL switch toward the “CANCEL” side.

After the setting value is entered, the setting cannot be canceled.

#### 5-1-2. Settable Special Functions

The following functions are made available by settings in the SERVICE menu. Note that they are limited functions.

In addition, settings of the number of scene files and setting of the resume of filter position are available.

Refer to the description in [“5-2. SERVICE Menu”](#).

---

##### When an Autofocus Lens is Used

When an auto focus lens of Fujinon or Canon is used, a focal area marker and a focusing indicator can be displayed on the viewfinder.

**Note**

However, there are the following restrictions.

- When AF DISPLAY is set to ON, the EFFECT display cannot be used. Instead of the EFFECT display, you can select 100% of the SAFETY ZONE display that usually cannot be selected.

- If “Digital extender” is used, the area marker is not displayed correctly.

## Procedure

1. Set AF DISPLAY in “SETUP” in the SERVICE menu to ON.

The focusing indicator appears according to the area marker display switch of the lens. The area marker is a rectangular frame in which auto focus is detected.

2. “AF” is added to “VF DISPLAY” in the Operation menu. When this “AF” is set to ON, the focusing indicator appears.

Focusing indicator:

- ▲ Front focus
- Focal point
- ▼ Rear focus

## 5-2. SERVICE Menu

This unit is provided with the SERVICE menu that is useful for maintenance and adjustment of the camera.

The menu content is displayed on the viewfinder.

For how to display the SERVICE menu, refer to “[5-1-1. How to Display the SERVICE Menu/ How to Change the Setting Values](#)”.

### 5-2-1. SERVICE Menu List

| Menu Page No. | Menu Page Name | Remarks                                                                                                                                           | Reference Page           |
|---------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| S01           | SET UP         | Scene files number setting, Focal area marker and a focusing indicator displaying, Resume setting of filter position, Lens communications setting | <a href="#">page 5-3</a> |
| S02           | CC FILTER      | Color temperature conversion filter setting                                                                                                       | <a href="#">page 5-4</a> |
| S03           | MANUAL RPN     | Manual RPN compensation                                                                                                                           | <a href="#">page 5-4</a> |
| S04           | RPN MANAGE     | RPN automatic detection                                                                                                                           | <a href="#">page 5-5</a> |
| S05           | OHB-ADJ1       | Sensitivity adjustment                                                                                                                            | <a href="#">page 5-5</a> |
| S06           | OHB-ADJ2       | V-SUB adjustment                                                                                                                                  | <a href="#">page 5-5</a> |
| S07           | BLACK SHADING  | Black shading adjustment                                                                                                                          | <a href="#">page 5-6</a> |
| S08           | WHITE SHADING  | White shading adjustment                                                                                                                          | <a href="#">page 5-6</a> |
| S09           | OHB MATRIX     | OHB matrix adjustment                                                                                                                             | <a href="#">page 5-6</a> |
| S10           | INTERCOM       | INTERCOM 2 input/output interface setting                                                                                                         | <a href="#">page 5-7</a> |
| S11           | SERIAL NO.     | Model name setting, Serial number setting                                                                                                         | <a href="#">page 5-7</a> |
| S12           | OPTION         | Gain extend, Chroma filter characteristic setting, Sensitivity characteristic emphasis setting (720P mode), Microphone AB power active setting    | <a href="#">page 5-7</a> |

### 5-2-2. Description of SERVICE Menu

#### Note

The display screen appearing in this section shows the factory settings.

#### SET UP

|                   |         |
|-------------------|---------|
| <SET UP>          | S01 TOP |
| SCENE FILE TYPE : | 5       |
| AF DISPLAY :      | OFF     |
| FILTER RESUME :   | OFF     |
| LENS IF MODE :    | AUTO    |

#### SCENE FILE TYPE

Setting of the number of scene files that a camera can have. A number of 5 or 32 can be set.

**Note**

Note that, when the number of scene files is changed from 32 to 5, the data of the sixth and the following scene files are lost.

**AF DISPLAY**

When an auto focus lens is used, a focal area marker and a focusing indicator can be displayed on the viewfinder. For details, refer to [“When an Autofocus Lens is Used”](#).

**FILTER RESUME**

When the FILTER LOCAL button is set to ON and OFF in these cameras, the filter position of camera operates as follows by setting the FILTER RESUME.

ON: Filter position before the FILTER LOCAL button is set to ON.

OFF: Filter position is not changed.

**LENS IF MODE**

When a lens that is able to communicate with a camera through the serial interface, the interface mode can be changed forcibly to the parallel interface.

AUTO: Sets an interface automatically.

PARA: Sets a parallel interface forcibly.

---

**CC FILTER**

| <CC FILTER> |       | S02 TOP |
|-------------|-------|---------|
| A :         | 3200K |         |
| B :         | 3200K |         |
| C :         | 4300K |         |
| D :         | 6300K |         |
| E :         | 8000K |         |

Change the CC FILTER menu when the filter disk unit of this unit is replaced with a dual optical filter unit (HKC-DF20) and then the CC filter is replaced with a non-standard color temperature conversion filter.

If the CC filter is replaced with a filter without color temperature conversion (such as cross filter), set the CC FILTER menu to 3200K. This will be a reference for color temperature display and the color temperature control function.

---

**MANUAL RPN**

| <MANUAL RPN>  |   | S03 TOP |
|---------------|---|---------|
| RPN CH SELECT | : | R       |
| RPN CURSOR    | : | OFF     |
| CURSOR H POS. | : | 1008    |
| CURSOR V POS. | : | 576     |
| CURSOR JUMP   | : | CURR    |
| RPN WIDTH     | : | 1       |
| RECORD RPN    | : | EXEC    |
| DELETE RPN    | : | EXEC    |
| MONITOR SEL   | : | YPbPr   |

The MANUAL RPN menu is used for manual RPN compensation. For details, refer to [“3-6-2. Manual RPN Compensation AdjustmentPreparation”](#).

---

## RPN MANAGE

|                |   |         |
|----------------|---|---------|
| <RPN MANAGE>   |   | S04 TOP |
| RPN ALL PRESET | : | EXEC    |
| AUTO CONCEAL   | : | EXEC    |
| APR AT ABB     | : | ON      |

The RPN MANAGE menu is used for RPN compensation setting and management. For details, refer to [“3-6-4. Performing Automatic RPN Detection EffectivelyPreparation”](#).

---

## OHB\_ADJ1

|              |       |           |
|--------------|-------|-----------|
| <OHB_ADJ1>   |       | S05 TOP   |
| 1080-59.94 i |       |           |
|              | [R1]  | [G1] [B1] |
| GAIN_CONT:   | 80    | 80 80     |
|              | [R2]  | [G2] [B2] |
| GAIN_CONT:   | 7F    | 7F 7F     |
| FILTER       | :     | ON        |
| MONITOR SEL: | YPbPr |           |
| STORE FILE   | :     | EXEC      |

The OHB\_ADJ1 menu is used for adjustment of the CCD block. For details, refer [“3-3-3. Sensitivity Adjustment Preparation Coarse adjustment”](#).

---

## OHB\_ADJ2

|              |       |           |
|--------------|-------|-----------|
| <OHB_ADJ2>   |       | S06 TOP   |
| 1080-59.94 i |       |           |
|              | [R1]  | [G1] [B1] |
| V-SUB :      | 80    | 80 80     |
| VHD :        | 5F    | 5F 5F     |
| TEST MODE    | :     | OFF       |
| STORE FILE   | :     | EXEC      |
|              |       |           |
| SHUTTER      | :     | OFF       |
| SHUT_SPEED   | :     | 1/500     |
|              |       |           |
| MONITOR SEL: | YPbPr |           |

The OHB\_ADJ2 menu is used for adjustment of the CCD block. For details, refer [“3-3-4. V-SUB Adjustment Preparation”](#).

---

## BLACK SHADING

```
<BLACK SHADING>   S07 TOP
                    1080-59.94 i
                    [R] [G] [B]
V SAW   : 00 00 00
V PARA  : FF FF FF
H SAW   : FF 01 01
H PARA  : FD FE FE
BLK SET : 04 04 04
OFFSET  : 00 00 00
GAIN    : 0dB
MONITOR SEL: YPbPr
STORE FILE: EXEC
```

The BLACK SHADING menu is used for adjustment of the black shading. For details, refer to the sections below.

- [“3-3-1. Clamp Level Adjustment between Channel A and Channel B \(BLACK OFFSET Adjustment\)”](#)
- [“3-3-2. Black Set Adjustment”](#)
- [“3-3-5. Black Shading Adjustment”](#)

---

## WHITE SHADING

```
<WHITE SHADING>   S08 TOP
                    [R] [G] [B]
V SAW   : -00 00 00
V PARA  : 00 00 00
H SAW   : 00 00 00
H PARA  : 00 FE 00
WHITE   : 0 0 0
STORE FILE: EXEC
COLOR_TEMP_SEL: 3200K
```

The WHITE SHADING menu is used for adjustment of the black shading. For details, refer to [“3-3-3. Sensitivity Adjustment Preparation Coarse adjustment”](#).

---

## OHB MATRIX

```
<OHB MATRIX>      S09 TOP
PHASE : 00      ALL CLEAR
HUE   : 00
SAT   : 00

STORE FILE : EXEC
MATRIX    : OFF
PRESET    : --
          : --
USER MATRIX : --
MULTI MATRIX: --
```

The OHB MATRIX menu is used for adjustment of the OHB matrix. Use this menu only when it is necessary to adjust subtle differences in color reproduction between CCD blocks.



---

## INTERCOM

```
<INTERCOM>          S10 TOP
INTERCOM2 INTERFACE: (4WIRE)
```

The intercom displays current settings of the input/output interface of INTERCOM 2.

---

## SERIAL NO.

### Note

The display screen is the case of serial number 10001 of HDC1700.

```
<SERIAL NO.>        S11 TOP
MODEL: HDC1700
NO.   : 10001

OHB TYPE: IT (LowCost)
```

The SERIAL NO. menu is used displaying the current model name, serial number and the OHB type.

---

## OPTION

```
<OPTION>            S12 TOP
GAIN EXTEND       : OFF
CHROMA FILTER     : FULL
720 VSOP MODE     : OFF
MIC AB POWER      : DISABLE
```

### GAIN EXTEND

When GAIN EXTEND is set to ON, the master gain is extended up to + 36 dB.

When it is set to OFF, the master gain is extended to + 12 dB.

### CHROMA FILTER

Chroma filter characteristic setting.

### 720 VSOP MODE

It is used in the 720P mode placing emphasis on the sensitivity characteristic.

## **MIC AB POWER**

It is used in the microphone power setting.

When MIC AB POWER is set to “ENABLE” and the microphone power switch on the connector panel at the rear of the unit is set to “•” (down), AB POWER (12 V) is supplied to the microphone.

### **Note**

When the microphone power switch is set to “•” (down) with this function enabled, do not connect any microphone that does not support AB POWER. If such microphone is connected, it may be damaged.

## Section 6

### Spare Parts

#### 6-1. Note on Repair Parts

##### 1. Safety Related Components Warning

###### **WARNING**

Components marked △ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

##### 2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.

##### 3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

##### 4. Harness

Harnesses with no part number are not registered as spare parts.

##### 1. 安全重要部品

###### **△警告**

△印のついた部品は安全性を維持するために重要な部品です。したがって、交換する時は必ず指定の部品を使ってください。

##### 2. 部品の共通化

ソニーから供給する補修用部品は、セットに使われているものと異なることがあります。これは部品の共通化、改良等によるものです。

##### 3. 部品の在庫

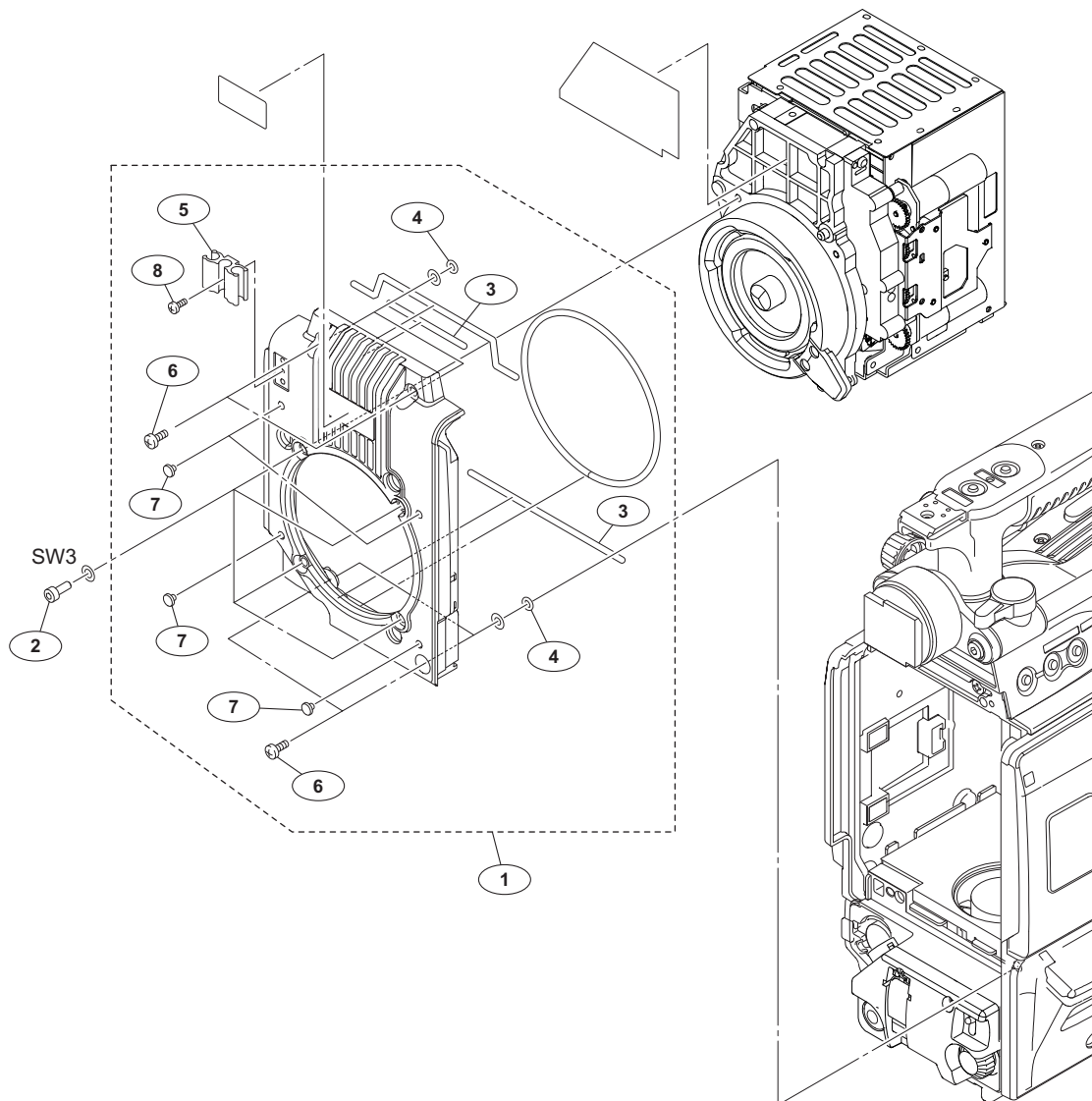
部品表の SP (Supply code) 欄に “o” で示される部品は在庫していないことがあります。納期が長くなる場合があります。

##### 4. ハーネス

部品番号の記載されていないハーネスは、サービス部品として登録されていません。

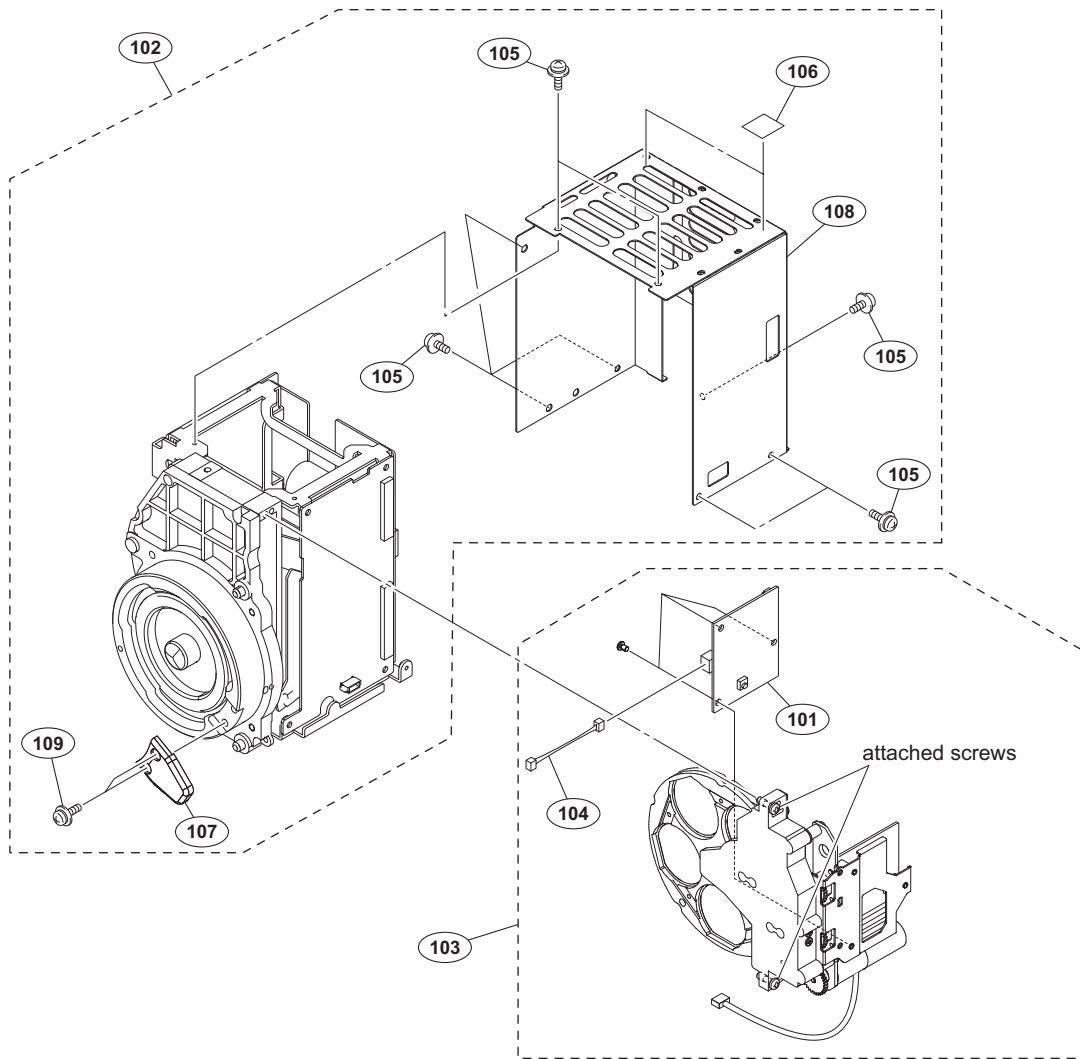
## 6-2. Exploded Views

### Front Panel



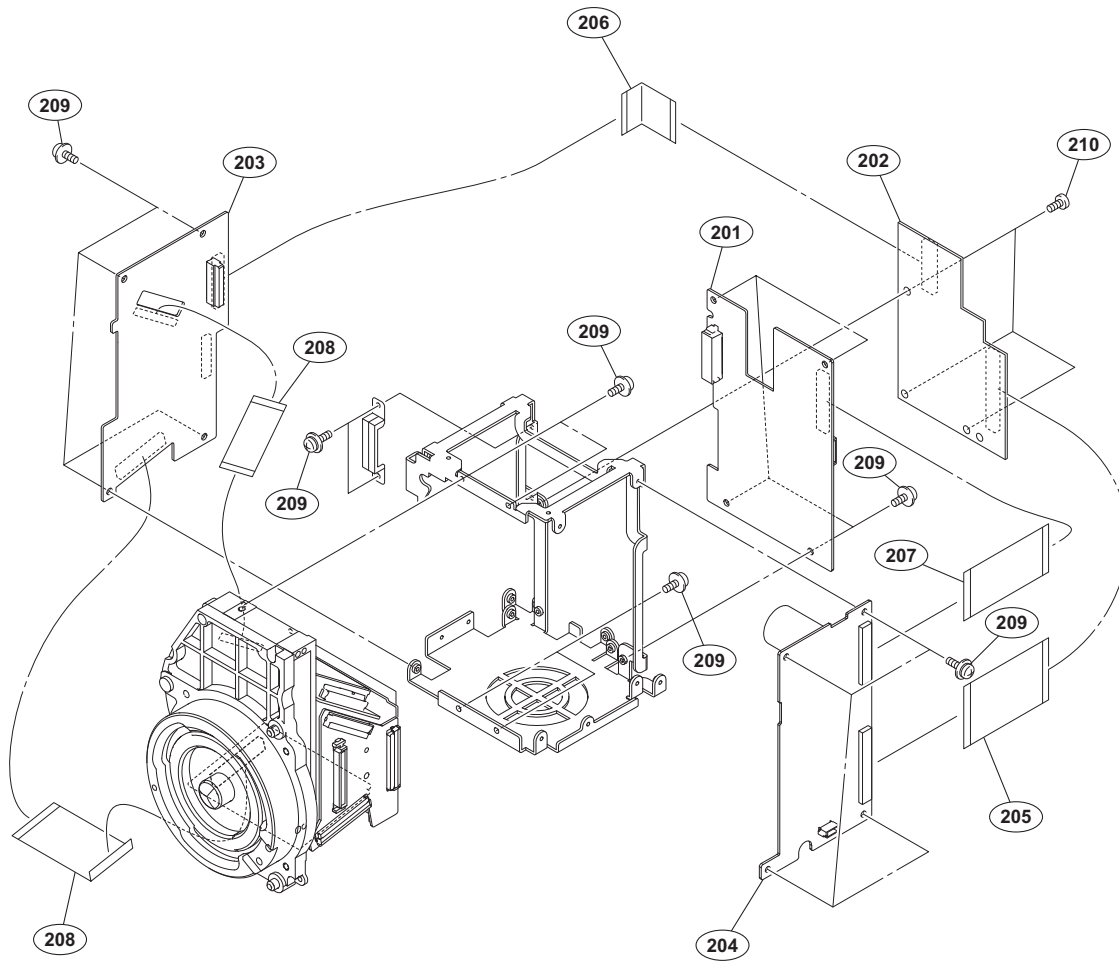
| No. | Part No.     | SP Description           |
|-----|--------------|--------------------------|
| 1   | A-1838-946-A | s FRONT PANEL ASSY       |
| 2   | 2-623-773-11 | s BOLT (M3X8), STAINLESS |
| 3   | 3-624-455-01 | s TUBE, SHIELD           |
| 4   | 3-672-250-01 | s RING (M2.6), O         |
| 5   | 3-870-272-02 | s CLAMP, CABLE           |
| 6   | 3-603-679-02 | s STAINLESS SCREW +B3X10 |
| 7   | 4-138-679-01 | s SCREW, BLIND           |
| 8   | 4-654-273-02 | s ACE (M2), LOCK         |
|     | 7-623-208-22 | s SW 3, TYPE 2           |

## OHB Block-1



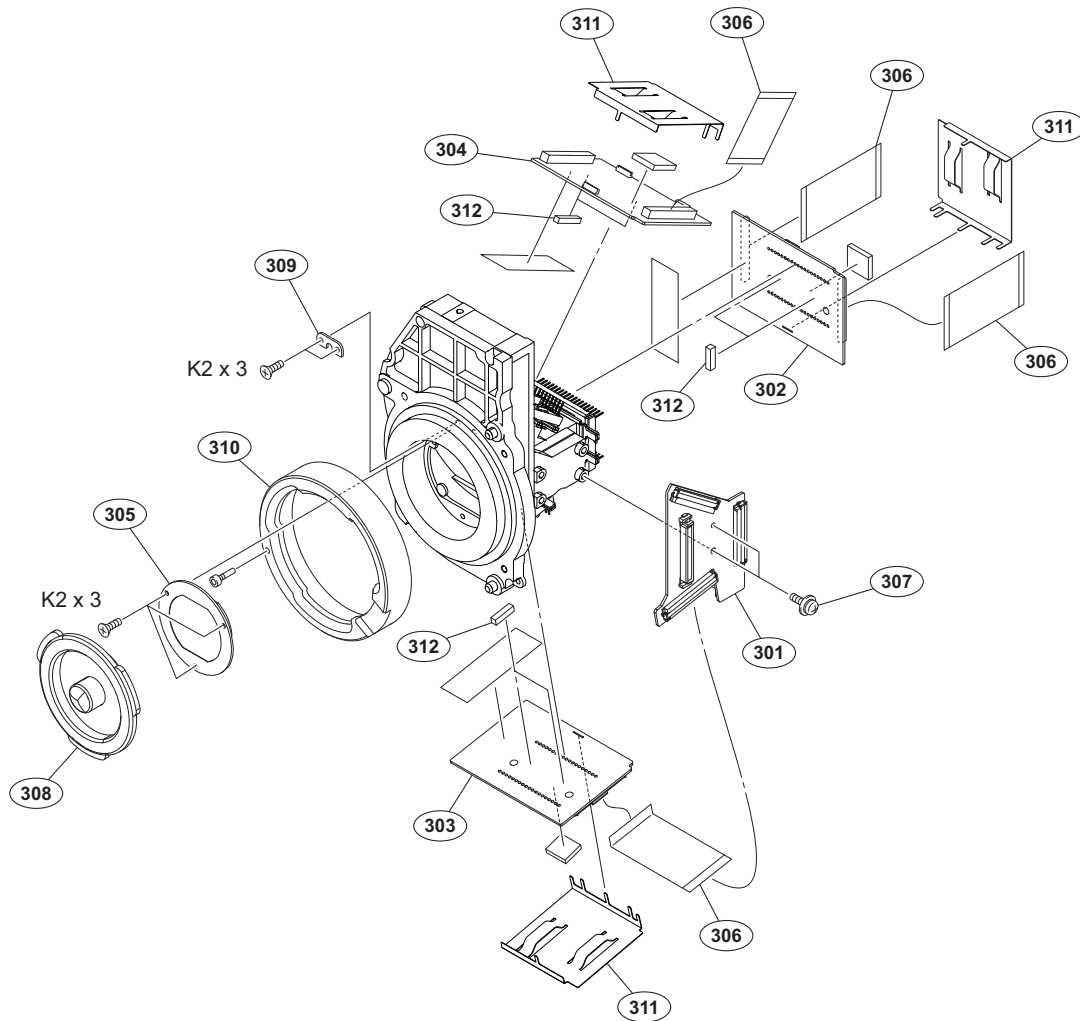
| No. | Part No.       | SP Description                |
|-----|----------------|-------------------------------|
| 101 | A-1813-088-A s | MOUNTED CIRCUIT BOARD, DR-663 |
| 102 | A-1913-824-A s | CCD UNIT 1700                 |
| 103 | A-1845-723-A s | FD (B) ASSY                   |
| 104 | 1-967-833-11 s | HARNESS, SUB (FT-I2C)         |
| 105 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SW   |
| 106 | 3-242-589-01 s | SHEET (SP), INSULATING        |
| 107 | 4-263-189-01 s | LEVER, MOUNT                  |
| 108 | 4-415-735-01 s | OHB COVER                     |
| 109 | 4-654-273-02 s | ACE (M2), LOCK                |

## OHB Block-2



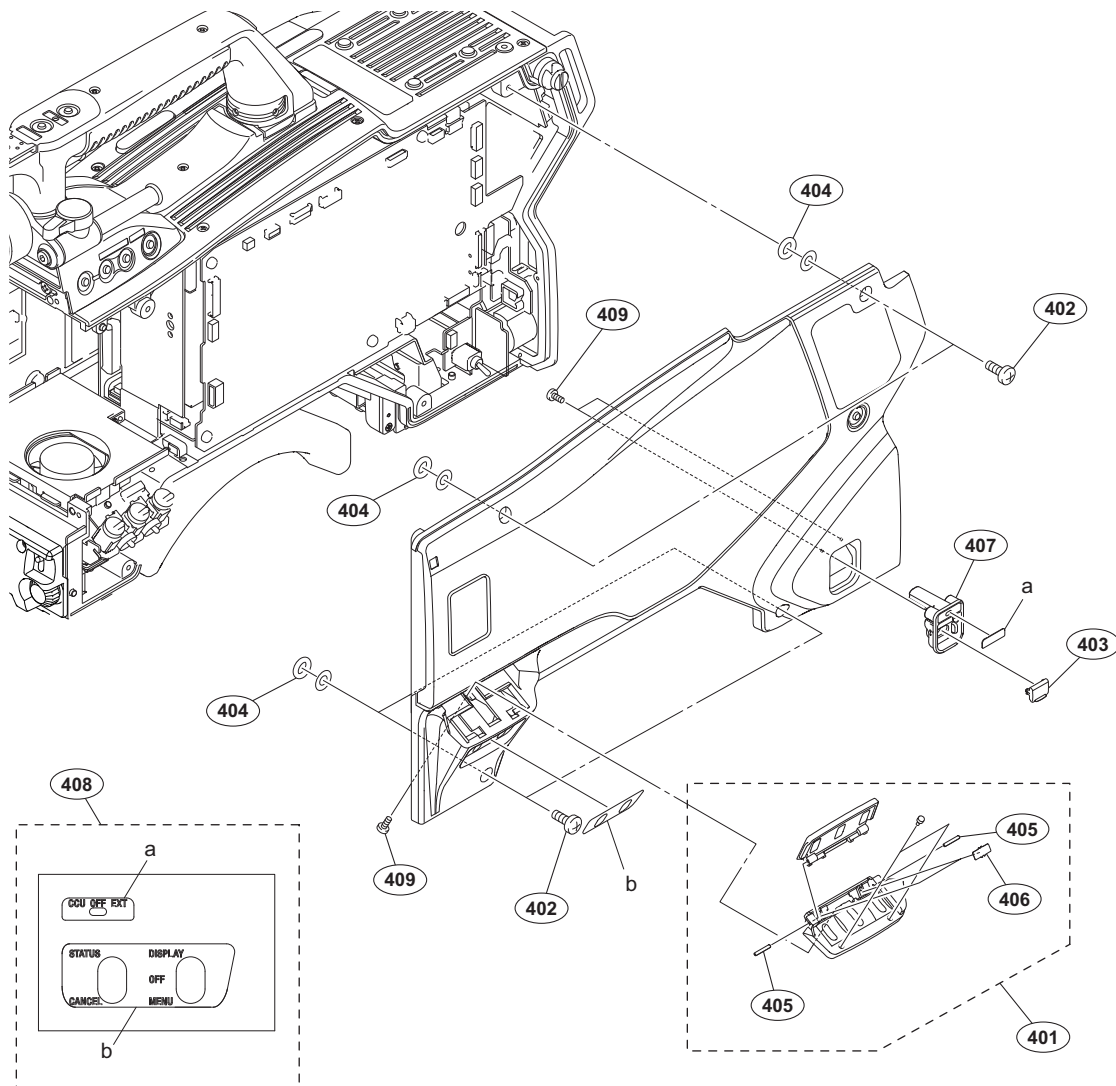
| No. | Part No.       | SP Description                 |
|-----|----------------|--------------------------------|
| 201 | A-1906-764-A s | MOUNTED CIRCUIT BOARD, TG-276S |
| 202 | A-1860-210-A s | MOUNTED CIRCUIT BOARD, CN-3315 |
| 203 | A-1896-070-A s | MOUNTED CIRCUIT BOARD, VA-243S |
| 204 | A-1896-071-A s | MOUNTED CIRCUIT BOARD, DR-657S |
| 205 | 1-831-656-11 s | CABLE, FLEXIBLE FLAT (30 CORE) |
| 206 | 1-831-658-11 s | CABLE, FLEXIBLE FLAT (40 CORE) |
| 207 | 1-831-660-11 s | CABLE, FLEXIBLE FLAT (50 CORE) |
| 208 | 1-846-363-11 s | CABLE, FLEXIBLE FLAT (50 CORE) |
| 209 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SW    |
| 210 | 3-965-077-02 s | SCREW, SPECIAL (M2)            |

## OHB Block-3



| No. | Part No.       | SP Description                 |
|-----|----------------|--------------------------------|
| 301 | A-1860-211-A s | MOUNTED CIRCUIT BOARD, IF-1168 |
| 302 | A-1896-072-A s | MOUNTED CIRCUIT BOARD, PA-388S |
| 303 | A-1896-073-A s | MOUNTED CIRCUIT BOARD, PA-389S |
| 304 | A-1896-068-A s | MOUNTED CIRCUIT BOARD, PA-390S |
| 305 | 1-788-764-21 s | FILTER UNIT, OPTICAL           |
| 306 | 1-846-363-11 s | CABLE, FLEXIBLE FLAT (50 CORE) |
| 307 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SW    |
| 308 | 3-699-048-01 s | CAP, MOUNT                     |
| 309 | 3-776-897-02 s | GUIDE PLATE                    |
| 310 | 4-263-184-01 s | RING, BAYONET                  |
| 311 | 4-415-736-03 s | SHIELD CASE                    |
| 312 | 4-415-737-01 s | SPACER                         |
|     | 7-627-452-18 s | SCREW, PRECISION +K 2X3        |

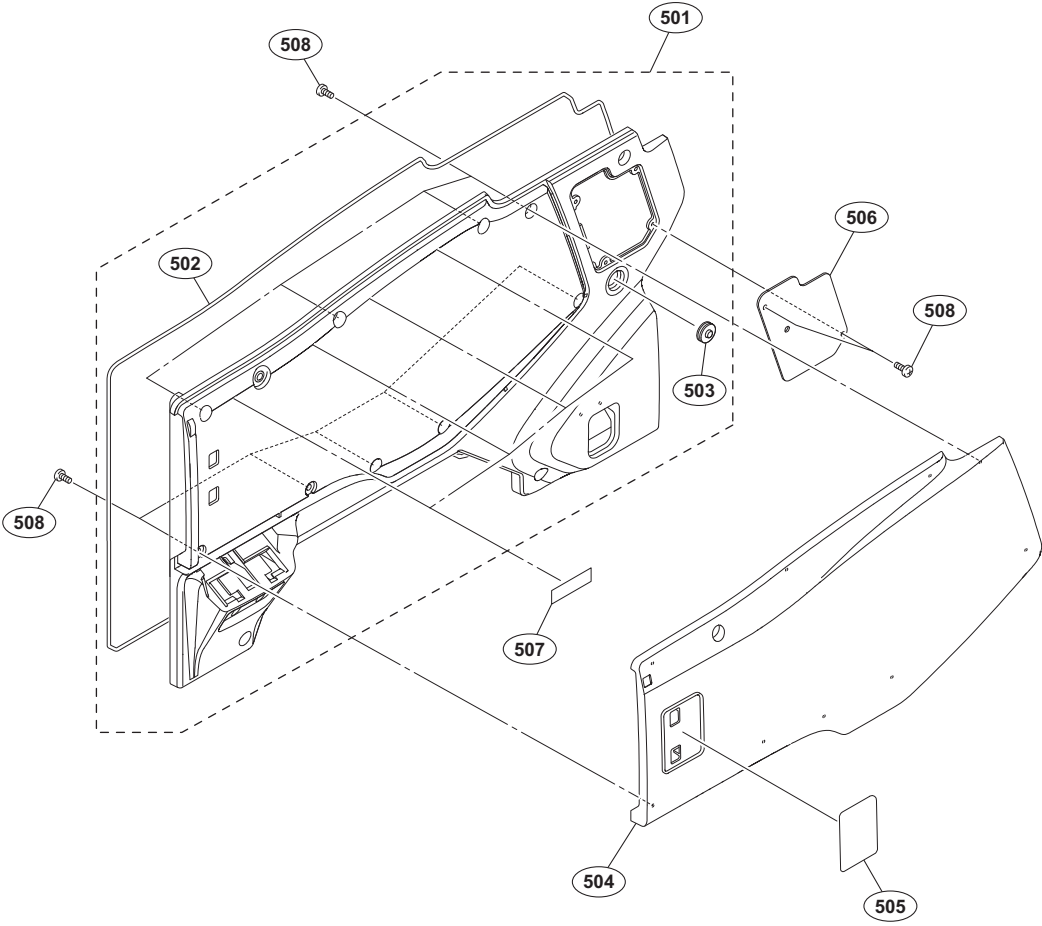
## Inside-1



| No. | Part No.       | SP Description             |
|-----|----------------|----------------------------|
| 401 | A-1838-923-A s | INSIDE SWITCHCOVER ASSY    |
| 402 | 3-603-679-02 s | STAINLESS SCREW +B3X10     |
| 403 | 3-612-669-01 o | LID, POWER SW              |
| 404 | 3-672-250-01 s | RING (M2.6), O             |
| 405 | 3-703-575-11 s | PIN (DIA. 1.2X8), PARALLEL |
| 406 | 3-742-066-11 o | SPRING, SHUTTER            |
| 407 | 4-400-101-01 s | POWER SW HOUSING           |
| 408 | 4-410-956-01 s | SHEET, INSIDE (MULTI)      |
| 409 | 4-654-273-02 s | ACE (M2), LOCK             |

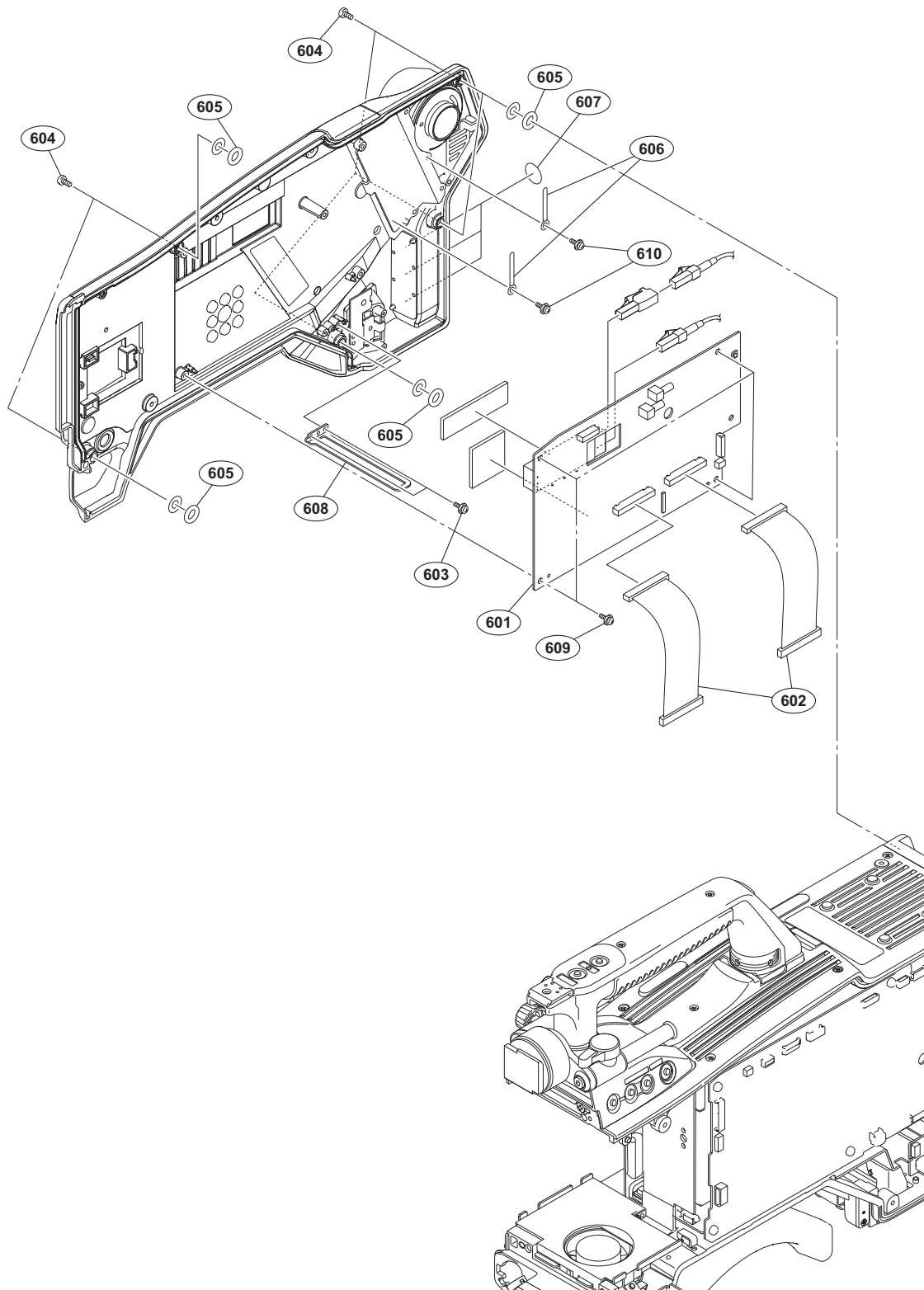


# Inside-2



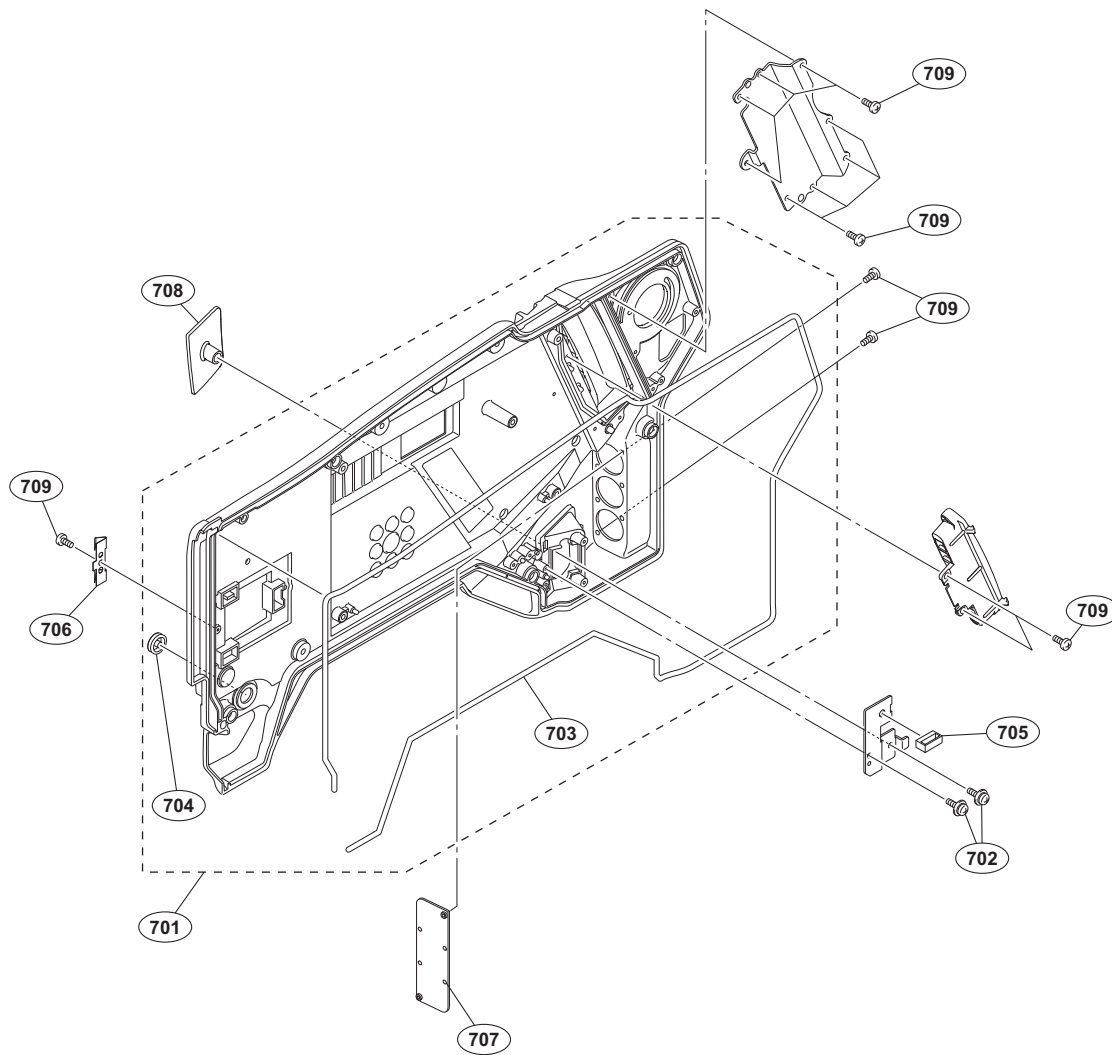
| No. | Part No.     | SP Description          |
|-----|--------------|-------------------------|
| 501 | A-1838-924-A | s INSIDE PANEL SUBASSY  |
| 502 | 3-624-455-01 | s TUBE, SHIELD          |
| 503 | 3-676-244-03 | s COVER, SWITCH         |
| 504 | 4-294-962-01 | s INSIDE PAD            |
| 505 | 4-410-918-01 | s LABEL, FILTER SELECT  |
| 506 | 4-436-836-01 | s PANEL, BLANK (INSIDE) |
| 507 | 4-422-703-01 | s TAPE, VHB             |
| 508 | 4-654-273-02 | s ACE (M2), LOCK        |

## Outside-1



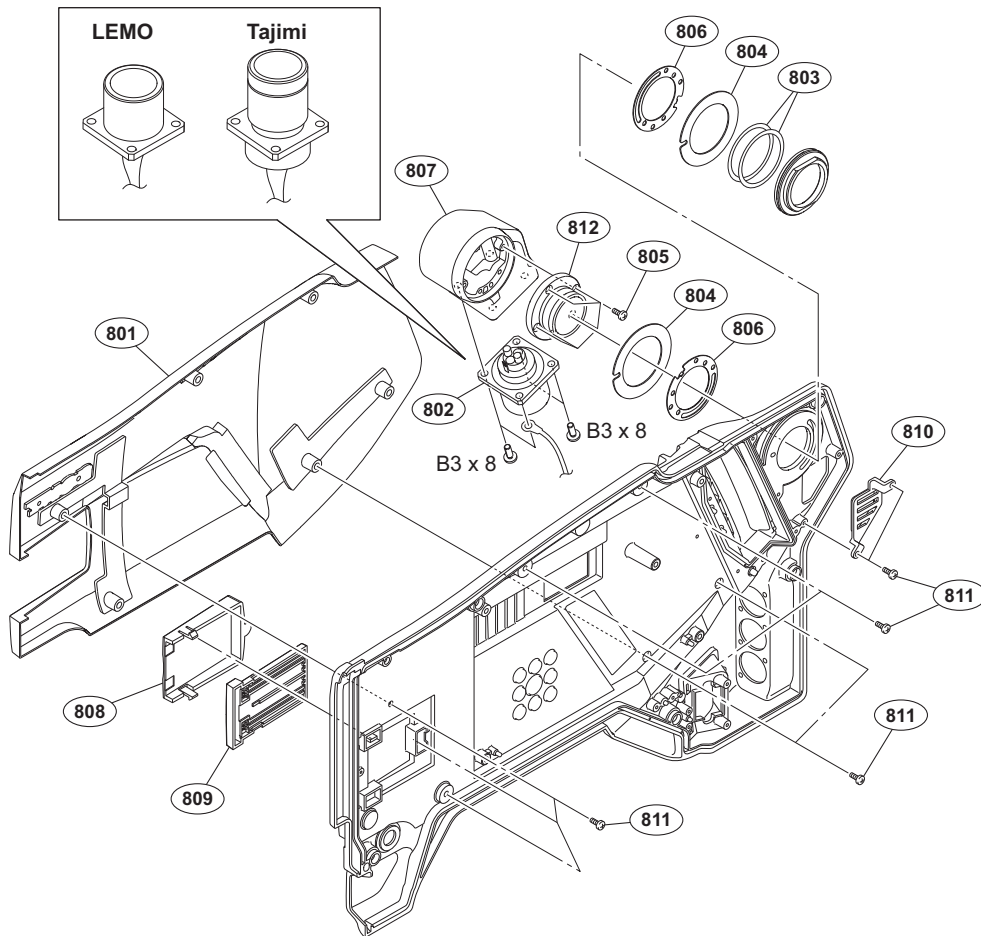
| No. | Part No.     | SP Description                   | No. | Part No.     | SP Description            |
|-----|--------------|----------------------------------|-----|--------------|---------------------------|
| 601 | A-1851-270-A | s MOUNTED CIRCUIT BOARD, SDI-109 | 609 | 4-382-854-51 | s SCREW (M3X6), P, SW (+) |
| 602 | 1-839-904-11 | s FPC WITH CONNECTOR (DPR-SDI)   | 610 | 4-654-273-02 | s ACE (M2), LOCK          |
| 603 | 2-640-315-02 | o SCREW (M2X5), SMALL, +P, SW    |     |              |                           |
| 604 | 3-603-679-02 | s STAINLESS SCREW +B3X10         |     |              |                           |
| 605 | 3-672-250-01 | o RING (M2.6), O                 |     |              |                           |
| 606 | 3-701-822-01 | s HOLDER, WIRE                   |     |              |                           |
| 607 | 3-990-315-01 | s SHEET (SDI), BLIND             |     |              |                           |
| 608 | 4-138-680-01 | s SUPPORT, OUTSIDE PANEL         |     |              |                           |

## Outside-2



| No. | Part No.       | SP Description                |
|-----|----------------|-------------------------------|
| 701 | A-1838-871-A s | OUTSIDE PANEL SUB ASSY        |
| 702 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SWX4 |
| 703 | 3-624-455-01 s | TUBE, SHIELD                  |
| 704 | 3-676-244-03 s | COVER, SWITCH                 |
| 705 | 4-098-036-01 s | SADDLE WIRE (A)               |
| 706 | 4-298-877-01 s | SPRING, NUMBER FRAME          |
| 707 | 4-436-623-01 s | PANEL, BLIND (OUTSIDE)        |
| 708 | 4-437-027-02 s | PANEL, BLIND (ETHER)          |
| 709 | 4-654-273-02 s | ACE (M2), LOCK                |

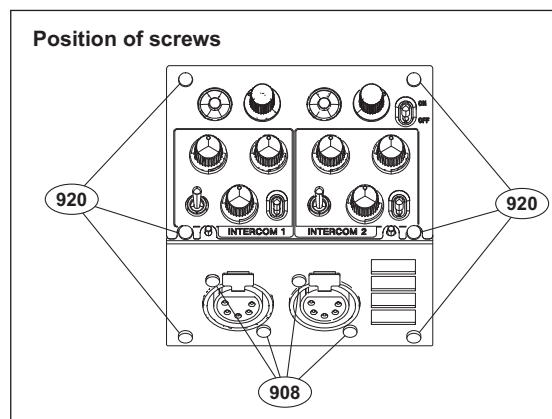
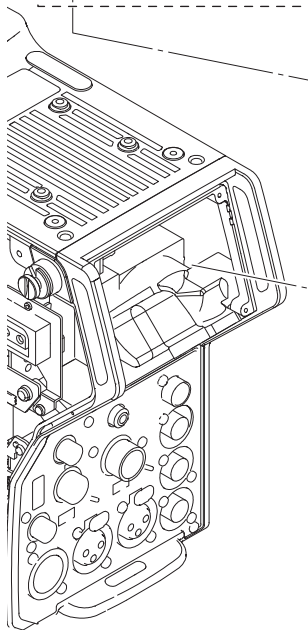
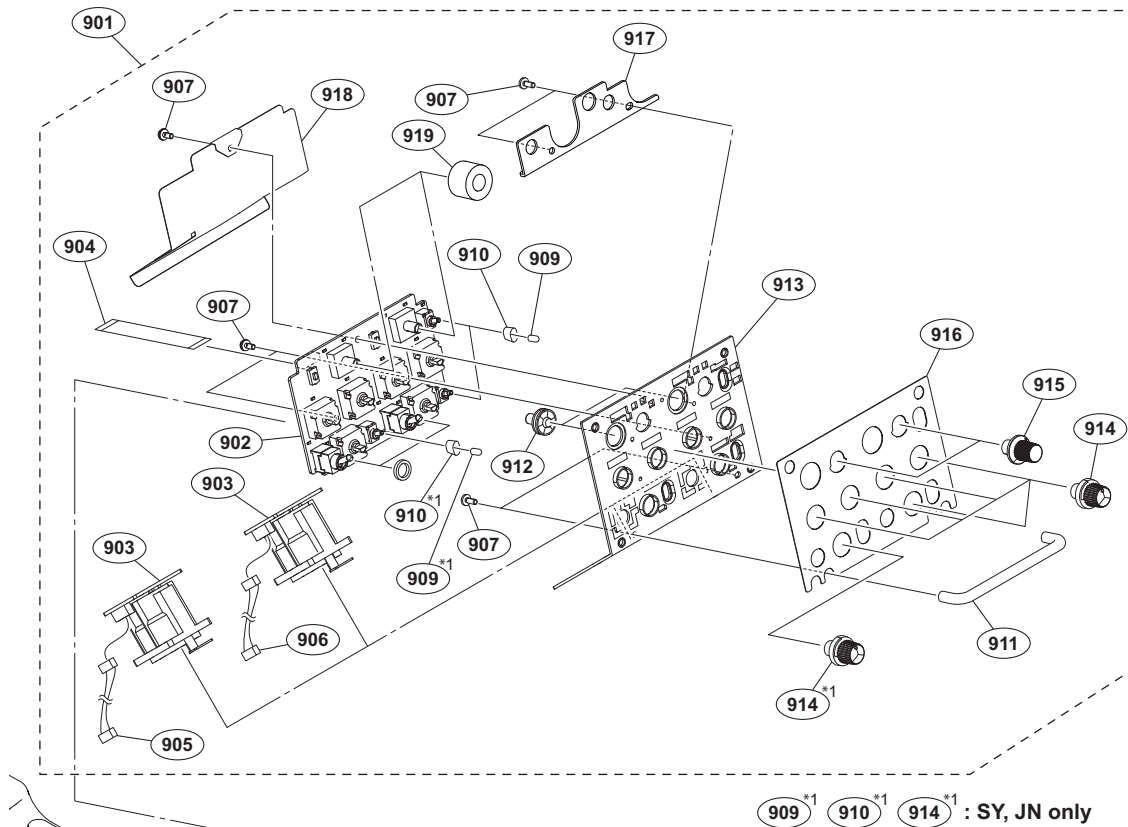
## Outside-3



| No. | Part No.       | SP Description                        |
|-----|----------------|---------------------------------------|
| 801 | A-1906-668-A s | OUTSIDE PAD ASSY (S)                  |
| 802 | 1-839-826-11 s | OPTICAL MULTI CABLE ASSEMBLY-M (LEMO) |
|     | 1-839-827-11 s | OPTICAL MULTI CABLE ASSEMBLY (Tajimi) |
| 803 | 3-176-525-01 o | WASHER, SPRING                        |
| 804 | 3-602-464-02 s | WASHER, CONDUCTIVE                    |
| 805 | 3-637-901-11 s | SCREW M2.6X5                          |
| 806 | 4-138-707-01 s | WASHER, TRIAX (2)                     |
| 807 | 4-293-502-01 s | CONNECTOR HOUSING                     |
| 808 | 4-293-514-01 s | NUMBER FRAME                          |
| 809 | 4-293-515-01 s | NUMBER FRAME BASE                     |
| 810 | 4-400-594-01 s | OUTSIDE DUCT (3)                      |
| 811 | 4-654-273-02 s | ACE (M2), LOCK                        |
| 812 | 4-138-689-01 s | SHAFT, ROTARY (TRIAX)                 |

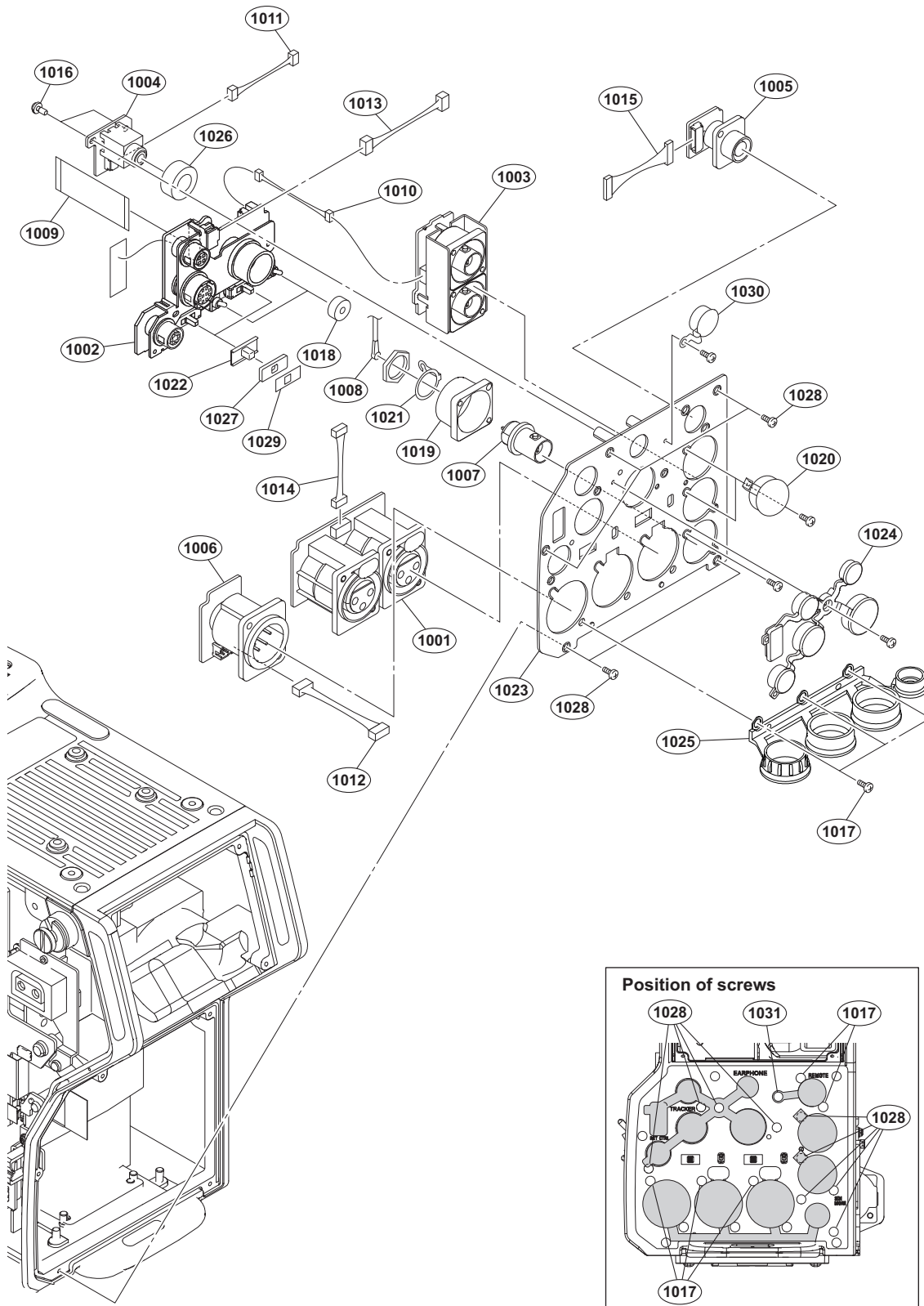
7-682-548-09 s SCREW +B 3X8

## Incom Panel



| No. | Part No.       | SP Description                             | No. | Part No.       | SP Description             |
|-----|----------------|--------------------------------------------|-----|----------------|----------------------------|
| 901 | A-1838-500-A s | INCOMEPANEL ASSY (SY, JN)                  | 910 | 3-903-660-01 s | DROP PROTECTION, TOGGLE    |
|     | A-1860-831-A s | INCOMEPANEL ASSY (E) (CE, E33)             | 911 | 3-903-661-01 s | ROD, GURAD                 |
| 902 | A-1860-030-A s | MOUNTED CIRCUIT BOARD, SW-1530 (SY, JN)    | 912 | 4-138-682-01 s | SW COVER                   |
|     | A-1859-146-A s | MOUNTED CIRCUITE BOARD, SW-1530A (CE, E33) | 913 | 4-414-613-02 s | PANEL, INCOM (SY, JN)      |
| 903 | A-1860-042-A s | MOUNTED CIRCUIT BOARD, CN-3431             | 913 | 4-414-614-02 s | PANEL, INCOM (P) (CE, E33) |
| 904 | 1-836-443-11 s | CABLE, FLEXIBLE FLAT (15 CORE)             | 914 | 4-414-615-01 s | KNOB, VR                   |
| 905 | 1-968-145-12 s | HARNESS, SUB (INCOM2)                      | 915 | 4-414-616-01 s | KNOB, RETURN SELECT        |
| 906 | 1-968-151-12 s | HARNESS, SUB (INCOM1)                      | 916 | 4-414-619-02 s | SHEET, INCOM (SY, JN)      |
| 907 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SW                |     | 4-414-622-02 s | SHEET, INCOM CE (CE, E3)   |
| 908 | 3-637-901-11 s | SCREW M2.6X5                               | 917 | 4-414-620-02 s | SUPPORT, INCOM PACKING     |
| 909 | 3-869-842-01 s | CAP, SW                                    | 918 | 4-414-621-02 s | SHEET, DC LINE PROTECTION  |
|     |                |                                            | 919 | 4-414-623-02 s | PACKING, RETURN SEL        |
|     |                |                                            | 920 | 4-654-273-02 s | ACE (M2), LOCK             |

## Mic Panel



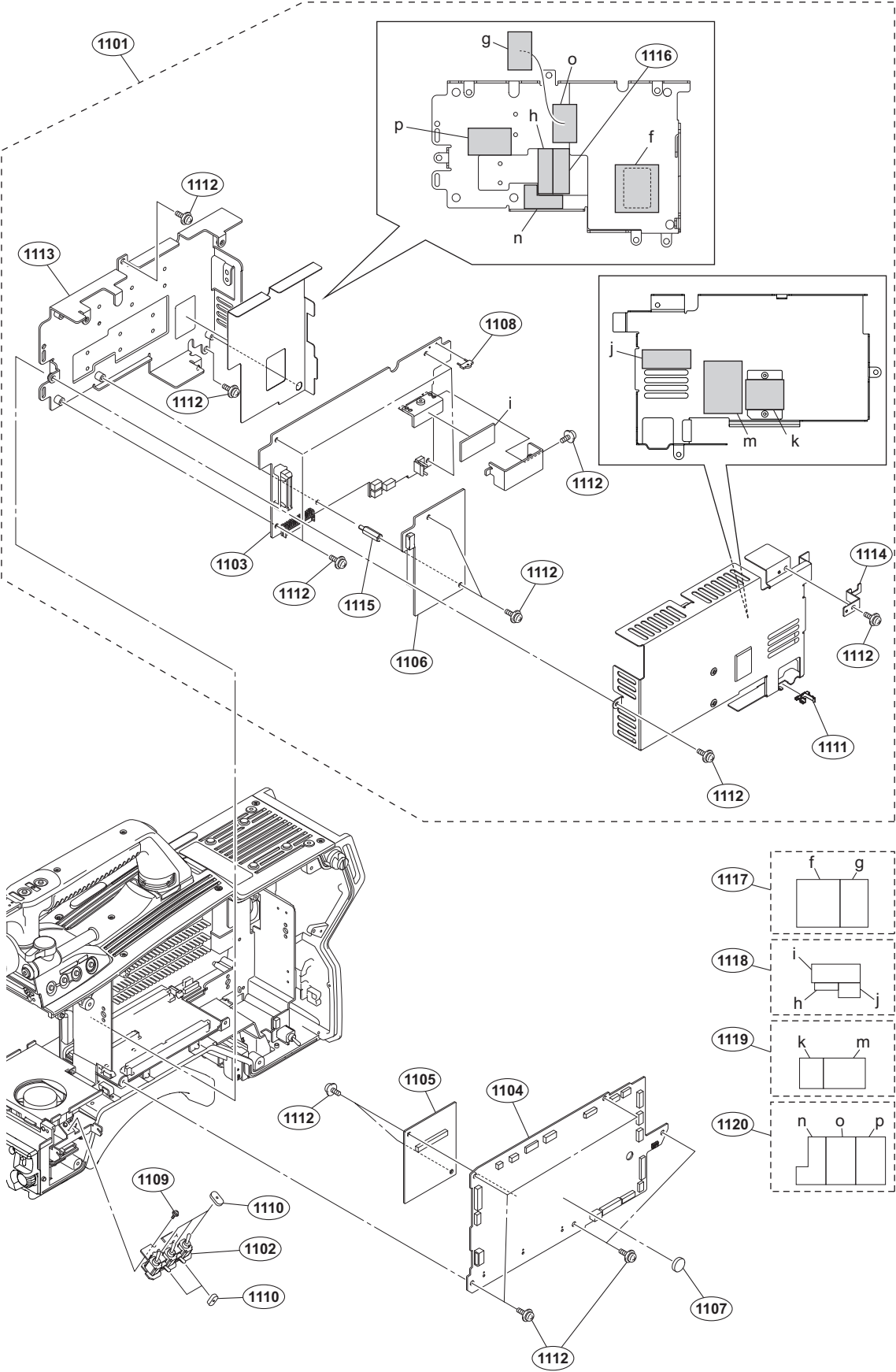
| No.  | Part No.       | SP Description                 |
|------|----------------|--------------------------------|
| 1001 | A-1860-036-A s | MOUNTED CIRCUIT BOARD, CN-3425 |
| 1002 | A-1860-038-A s | MOUNTED CIRCUIT BOARD, CN-3427 |
| 1003 | A-1860-039-A s | MOUNTED CIRCUIT BOARD, CN-3428 |
| 1004 | A-1860-040-A s | MOUNTED CIRCUIT BOARD, CN-3429 |
| 1005 | A-1860-041-A s | MOUNTED CIRCUIT BOARD, CN-3430 |
| 1006 | A-1860-043-A s | MOUNTED CIRCUIT BOARD, CN-3432 |

| No.  | Part No.       | SP Description                 |
|------|----------------|--------------------------------|
| 1007 | 1-784-240-11 s | CONVERTER, COAXIAL CONNECTOR   |
| 1008 | 1-830-742-11 s | CABLE ASSEMBLY, COAXIAL        |
| 1009 | 1-831-147-11 s | CABLE, FLEXIBLE FLAT (36 CORE) |
| 1010 | 1-968-142-11 s | HARNESS, SUB (TEST)            |
| 1011 | 1-968-143-11 s | HARNESS, SUB (EARPHONE)        |
| 1012 | 1-968-146-11 s | HARNESS, SUB (EXT DC IN)       |

**Mic Panel**

| No.  | Part No.       | SP Description                 |
|------|----------------|--------------------------------|
| 1013 | 1-968-150-11 s | HARNESS, SUB (UNREG)           |
| 1014 | 1-968-153-11 s | HARNESS, SUB (MIC)             |
| 1015 | 1-968-154-11 s | HARNESS, SUB (REMOTE)          |
| 1016 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SW    |
| 1017 | 3-637-901-11 s | SCREW M2.6X5                   |
| 1018 | 3-796-993-01 s | CUSION DROP PROTEICTION TOGGLE |
| 1019 | 3-863-319-01 s | BRACKET BNC                    |
| 1020 | 3-872-935-01 s | CAP, BNC                       |
| 1021 | 4-136-517-01 s | WASHER, BNC COAXIAL FIXED      |
| 1022 | 4-138-687-01 s | COVER, SLIDE SWITCH            |
| 1023 | 4-414-612-02 s | PANEL, MIC                     |
| 1024 | 4-414-617-01 s | CAP, REAR CONNECTER 1          |
| 1025 | 4-414-618-01 s | CAP, REAR CONNECTER 2          |
| 1026 | 4-414-624-01 s | PACKING, EARPHONE              |
| 1027 | 4-414-625-01 s | SHEET, SLIDE SW WATER REGIST   |
| 1028 | 4-654-273-02 s | ACE (M2), LOCK                 |
| 1029 | 4-432-516-01 s | SLIDING SHEET, SW              |
| 1030 | 3-868-657-03 s | CAP, BNC                       |
| 1031 | 3-965-077-02 s | SCREW, SPECIAL (M2)            |

PS Block

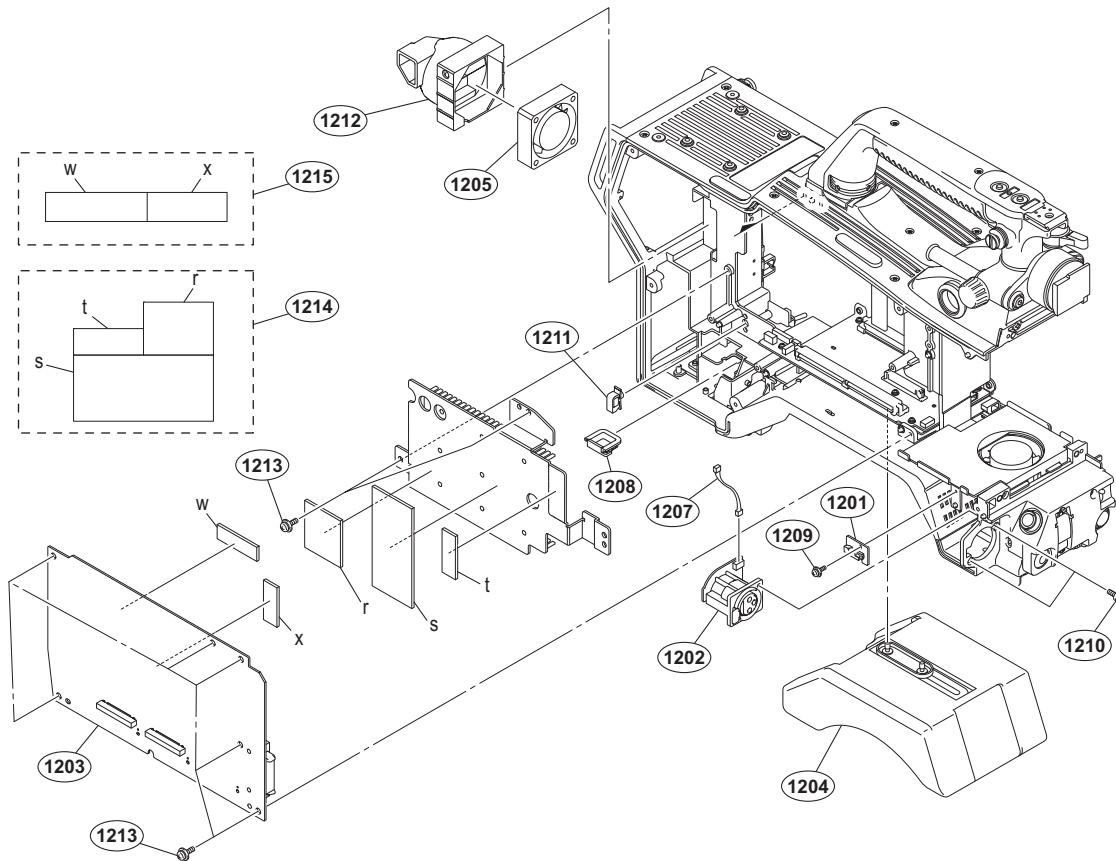




**PS Block**

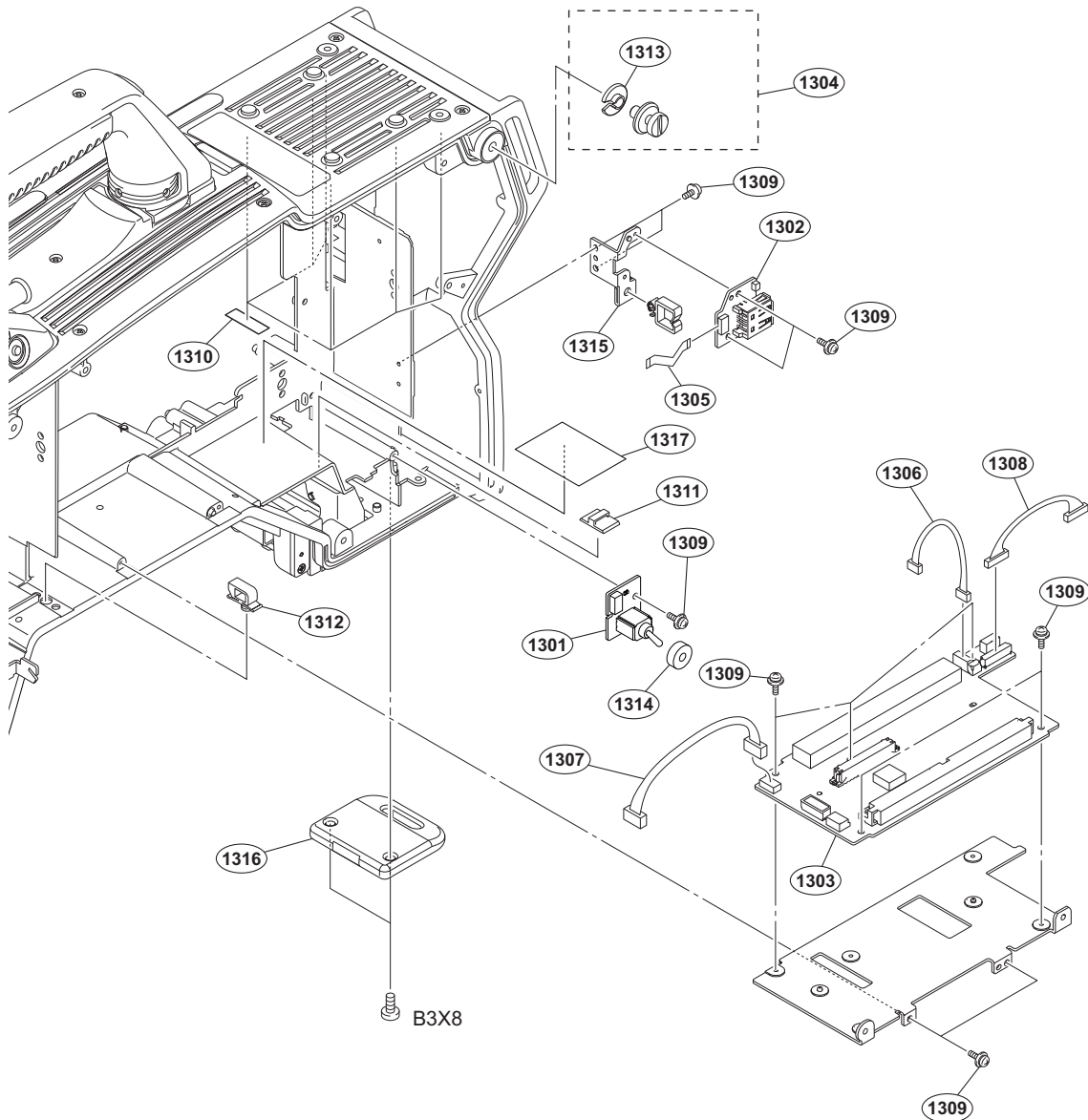
| No.  | Part No.       | SP Description                   |
|------|----------------|----------------------------------|
| 1101 | △ A-1838-556-A | s POWER BLOCK ASSY               |
| 1102 | A-1860-029-A   | s MOUNTED CIRCUIT BOARD, SW-1528 |
| 1103 | A-1860-206-A   | s MOUNTED CIRCUIT BOARD, PS-836  |
| 1104 | A-1867-057-A   | s MOUNTED CIRCUIT BOARD, SY-408  |
| 1105 | A-1867-058-A   | s MOUNTED CIRCUIT BOARD, AT-189  |
| 1106 | A-1872-945-A   | s MOUNTED CIRCUIT BOARD, RE-291  |
| 1107 | △ 1-756-134-15 | s BATTERY, LITHIUM (SECONDARY)   |
| 1108 | 1-780-834-11   | s PIN, JUMPER                    |
| 1109 | 2-640-315-02   | o SCREW (M2X5), SMALL, +P, SW    |
| 1110 | 3-872-587-01   | s CUSHION, TOGGLE-SW             |
| 1111 | 4-137-926-01   | s SADDLE (LES-0505), EDGE        |
| 1112 | 4-382-854-51   | s SCREW (M3X6), P, SW (+)        |
| 1113 | 4-415-274-01   | s PS BRACKET                     |
| 1114 | 4-415-278-01   | s STOPPER, PIN                   |
| 1115 | 4-415-279-01   | s SUPPORT (3SQ-16), HEXAGON      |
| 1116 | 4-415-280-01   | s SHEET (T1), THERMAL            |
| 1117 | 4-415-281-02   | s SHEET (T1.5), THERMAL          |
| 1118 | 4-415-282-01   | s SHEET (T2), THERMAL            |
| 1119 | 4-415-283-01   | s SHEET (T3.5), THERMAL          |
| 1120 | 4-415-284-02   | s SHEET (T4), THERMAL            |

## DPR Block



| No.  | Part No.                                                                                           | SP Description                 |
|------|----------------------------------------------------------------------------------------------------|--------------------------------|
| 1201 | A-1860-027-A s                                                                                     | MOUNTED CIRCUIT BOARD, SW-1526 |
| 1202 | A-1860-032-A s                                                                                     | MOUNTED CIRCUIT BOARD, CN-3421 |
| 1203 | A-1861-312-A s                                                                                     | MOUNTED CIRCUIT BOARD, DPR-338 |
| 1204 | A-8286-163-C s                                                                                     | PAD ASSY, SHOULDER             |
| 1205 |  1-787-847-11 s | FAN, DC (40SQARE)              |
| 1207 | 1-968-158-11 s                                                                                     | HARNESS, SUB (FRONT MIC)       |
| 1208 | 2-433-598-01 s                                                                                     | HOLDER (LT-11U), WIRE          |
| 1209 | 2-640-315-02 o                                                                                     | SCREW (M2X5), SMALL, +P, SW    |
| 1210 | 3-637-901-11 s                                                                                     | SCREW M2.6X5                   |
| 1211 | 3-853-802-01 s                                                                                     | CLAMP, REUSE                   |
| 1212 | 4-293-493-01 s                                                                                     | DUCT, FAN                      |
| 1213 | 4-382-854-51 s                                                                                     | SCREW (M3X6), P, SW (+)        |
| 1214 | 4-408-819-01 s                                                                                     | SHEET (T2), THERMAL            |
| 1215 | 4-422-052-01 s                                                                                     | SHEET (T3), THERMAL            |

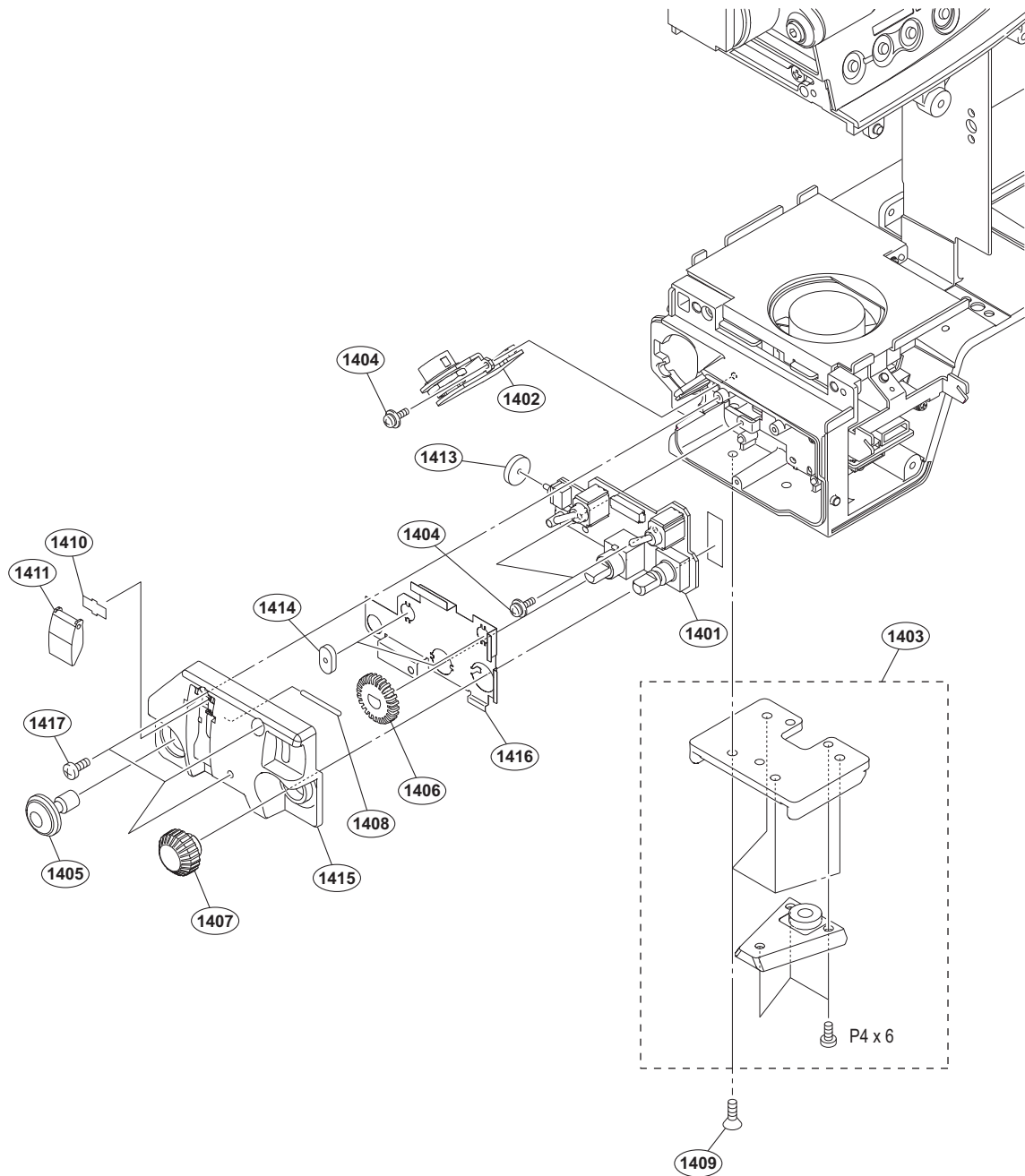
## MB Block



| No.  | Part No.       | SP Description                 |
|------|----------------|--------------------------------|
| 1301 | A-1860-031-A s | MOUNTED CIRCUIT BOARD, SW-1531 |
| 1302 | A-1860-037-A s | MOUNTED CIRCUIT BOARD, CN-3426 |
| 1303 | A-1860-044-A s | MOUNTED CIRCUIT BOARD, MB-1179 |
| 1304 | X-3710-037-1 s | SUSPENSION ASSY (C)            |
| 1305 | 1-831-078-11 s | CABLE, FLEXIBLE FLAT (10 CORE) |
| 1306 | 1-968-156-11 s | HARNESS, SUB (POWER SW)        |
| 1307 | 1-968-161-11 s | HARNESS, SUB (CA POWER)        |
| 1308 | 1-968-162-11 s | HARNESS, SUB (PS CONT, FRONT)  |
| 1309 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SW    |
| 1310 | 3-079-115-01 s | TAPE AS                        |
| 1311 | 3-257-200-01 s | CLAMP, CORD                    |
| 1312 | 3-853-802-01 s | CLAMP, REUSE                   |
| 1313 | 3-654-615-02 s | COLLAR, SUSPENSION             |
| 1314 | 3-870-137-02 s | CAP, DROP PROTECTION           |
| 1315 | 4-293-489-01 s | BRACKET CN-3426                |
| 1316 | 4-293-492-01 s | GUARD, TAIL                    |
| 1317 | 4-409-534-01 s | SHEET, PS CASE THERMAL         |

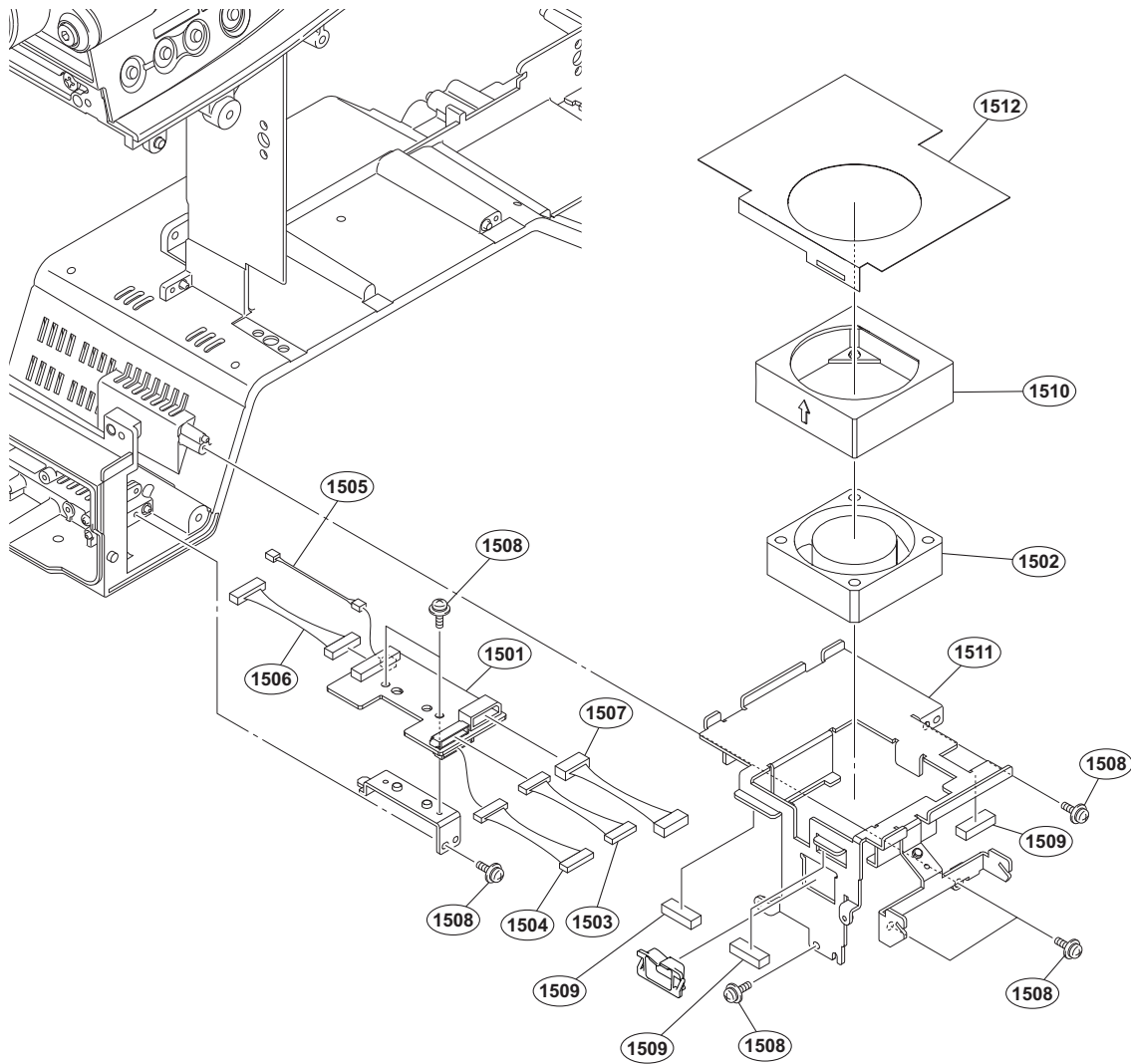
7-682-548-09 s SCREW +B 3X8

## Front SW Block



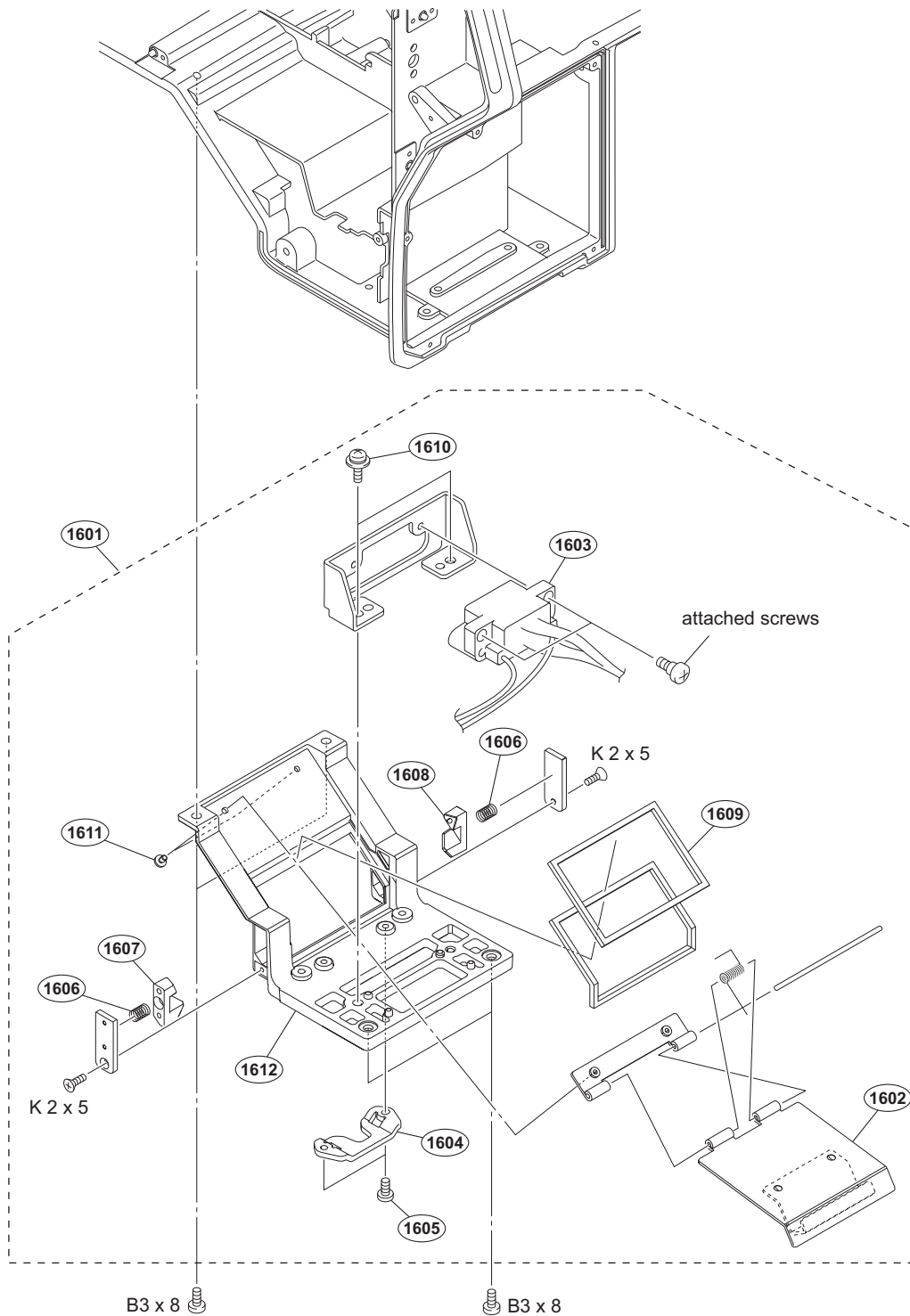
| No.  | Part No.     | SP Description                   | No.  | Part No.     | SP Description   |
|------|--------------|----------------------------------|------|--------------|------------------|
| 1401 | A-1860-028-A | s MOUNTED CIRCUIT BOARD, SW-1527 | 1417 | 4-654-273-02 | s ACE (M2), LOCK |
| 1402 | A-1860-034-A | s MOUNTED CIRCUIT BOARD, CN-3423 |      |              |                  |
| 1403 | A-8279-993-D | s SHOE (D) ASSY,V                |      |              |                  |
| 1404 | 2-640-315-02 | o SCREW (M2X5), SMALL, +P, SW    |      |              |                  |
| 1405 | 3-679-668-01 | s BUTTON, VTR START              |      | 7-682-160-09 | s SCREW +P 4X6   |
| 1406 | 3-679-679-05 | s KNOB, VR (AUDIO)               |      |              |                  |
| 1407 | 3-692-111-02 | s KNOB,RE                        |      |              |                  |
| 1408 | 3-703-357-08 | s PIN (DIA. 1.6 SERISE)          |      |              |                  |
| 1409 | 3-729-072-02 | s SCREW, +K (4X8)                |      |              |                  |
| 1410 | 3-742-066-01 | s SPRING, SHUTTER                |      |              |                  |
| 1411 | 3-742-067-06 | s LID, SHUTTER                   |      |              |                  |
| 1413 | 3-872-601-01 | s TOGGLE SW CUSHION (C)          |      |              |                  |
| 1414 | 3-872-587-01 | s CUSHION, TOGGLE-SW             |      |              |                  |
| 1415 | 4-293-503-01 | s FRONT SW COVER                 |      |              |                  |
| 1416 | 4-298-963-02 | s FRONT SHIELD PLATE             |      |              |                  |

## Front Fan



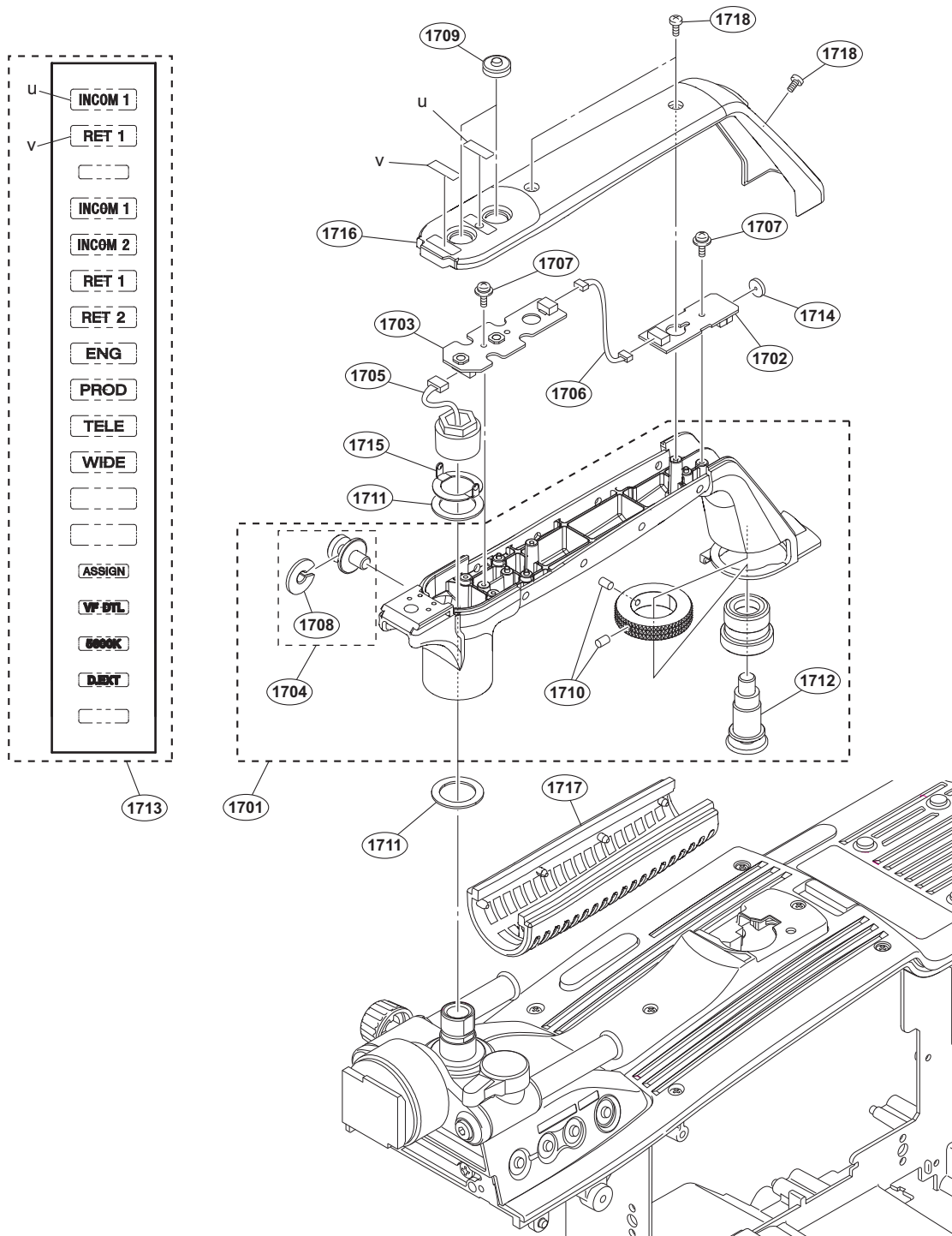
| No.  | Part No.         | SP Description                 |
|------|------------------|--------------------------------|
| 1501 | A-1860-035-A s   | MOUNTED CIRCUIT BOARD, CN-3424 |
| 1502 | ⚠ 1-787-847-11 s | FAN, DC (40 SQUARE)            |
| 1503 | 1-968-147-11 s   | HARNESS, SUB (INSIDE SW)       |
| 1504 | 1-968-148-11 s   | HARNESS, SUB (FRONT SW)        |
| 1505 | 1-968-157-11 s   | HARNESS, SUB (RET SW)          |
| 1506 | 1-968-159-11 s   | HARNESS, SUB (LENS)            |
| 1507 | 1-968-162-11 s   | HARNESS, SUB (PS CONT, FRONT)  |
| 1508 | 2-640-315-02 o   | SCREW (M2X5), SMALL, +P, SW    |
| 1509 | 3-629-684-02 s   | FORM, SHIELD                   |
| 1510 | 3-796-945-01 s   | CUSHION, FAN                   |
| 1511 | 4-293-504-01 s   | FRAME, SUB                     |
| 1512 | 4-411-696-01 s   | SLIDING SHEET, OHB             |

## Hotshoe Block



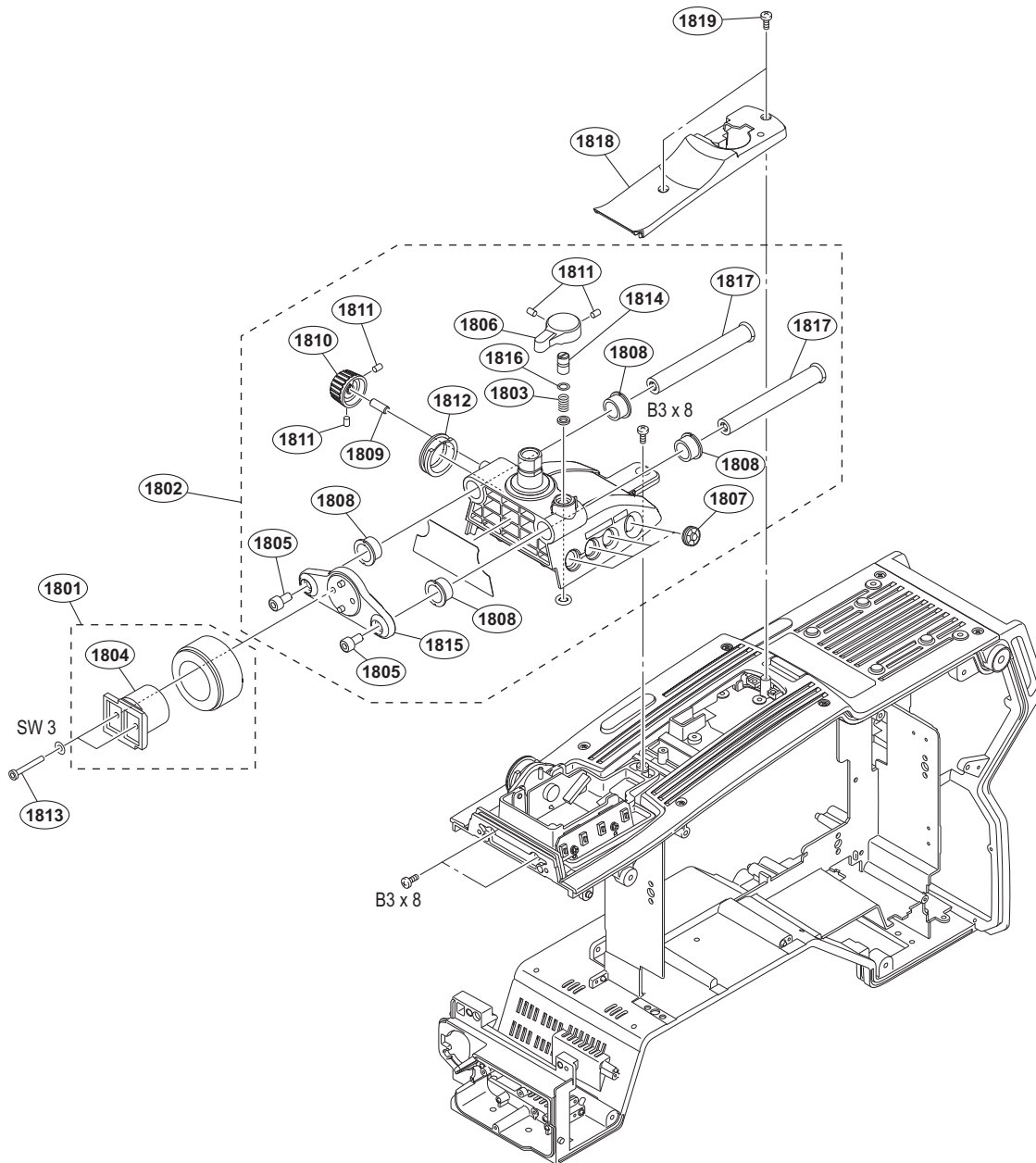
| No.  | Part No.     | SP Description                 | No.  | Part No.     | SP Description   |
|------|--------------|--------------------------------|------|--------------|------------------|
| 1601 | A-1842-424-A | s HOTSHOE ASSY (AL)            | 1612 | 4-295-666-01 | s BASE, HOT SHOE |
| 1602 | X-3704-670-2 | s HOT DOOR                     |      |              |                  |
| 1603 | 1-968-152-11 | s HARNESS, SUB (BUILD UP)      |      |              |                  |
| 1604 | 3-626-781-03 | s STOPPER                      |      | 7-621-555-30 | s SCREW +K 2X5   |
| 1605 | 3-637-901-11 | s SCREW M2.6X5                 |      | 7-682-548-09 | s SCREW +B 3X8   |
|      |              |                                |      |              |                  |
| 1606 | 3-872-522-02 | s SPRING, COMPRESSION(STOPPER) |      |              |                  |
| 1607 | 3-872-550-02 | s STOPPER (R), HOT DOOR        |      |              |                  |
| 1608 | 3-872-551-02 | s STOPPER (L), HOT DOOR        |      |              |                  |
| 1609 | 3-872-573-02 | s WATER PROTECT (HOT DOOR)     |      |              |                  |
| 1610 | 4-382-854-51 | s SCREW (M3X6), P, SW (+)      |      |              |                  |
|      |              |                                |      |              |                  |
| 1611 | 4-654-273-02 | s ACE (M2), LOCK               |      |              |                  |

## Handle-1



| No.  | Part No.     | SP Description                    | No.  | Part No.     | SP Description          |
|------|--------------|-----------------------------------|------|--------------|-------------------------|
| 1701 | A-1675-895-C | s HANDLE SUB ASSY                 | 1713 | 3-872-580-03 | s LABEL (HANDLE)        |
| 1702 | A-1860-024-A | s MOUNTED CIRCUIT BOARD, LE-376   | 1714 | 3-872-601-01 | s TOGGLE SW CUSHION (C) |
| 1703 | A-1860-025-A | s MOUNTED CIRCUIT BOARD, SW-1524  | 1715 | 3-872-609-02 | s WASHER01              |
| 1704 | X-3710-037-1 | s SUSPENSION ASSY (C)             | 1716 | 4-136-010-02 | s HANDLE COVER (R)      |
| 1705 | 1-968-144-11 | s HARNESS, SUB (HANDLE SW)        | 1717 | 4-138-676-01 | s GRIP                  |
| 1706 | 1-968-155-11 | s HARNESS, SUB (HANDLE TALLY)     | 1718 | 4-654-273-02 | s ACE (M2), LOCK        |
| 1707 | 2-640-315-02 | o SCREW (M2X5), SMALL, +P, SW     |      |              |                         |
| 1708 | 3-654-615-02 | s COLLAR, SUSPENSION              |      |              |                         |
| 1709 | 3-676-244-03 | s COVER, SWITCH                   |      |              |                         |
| 1710 | 3-701-507-01 | s SET SCREW, DOUBLE POINT, (M3X5) |      |              |                         |
| 1711 | 3-872-534-02 | s WASHER02                        |      |              |                         |
| 1712 | 3-872-537-01 | s PIN, HANDLE LOCK                |      |              |                         |

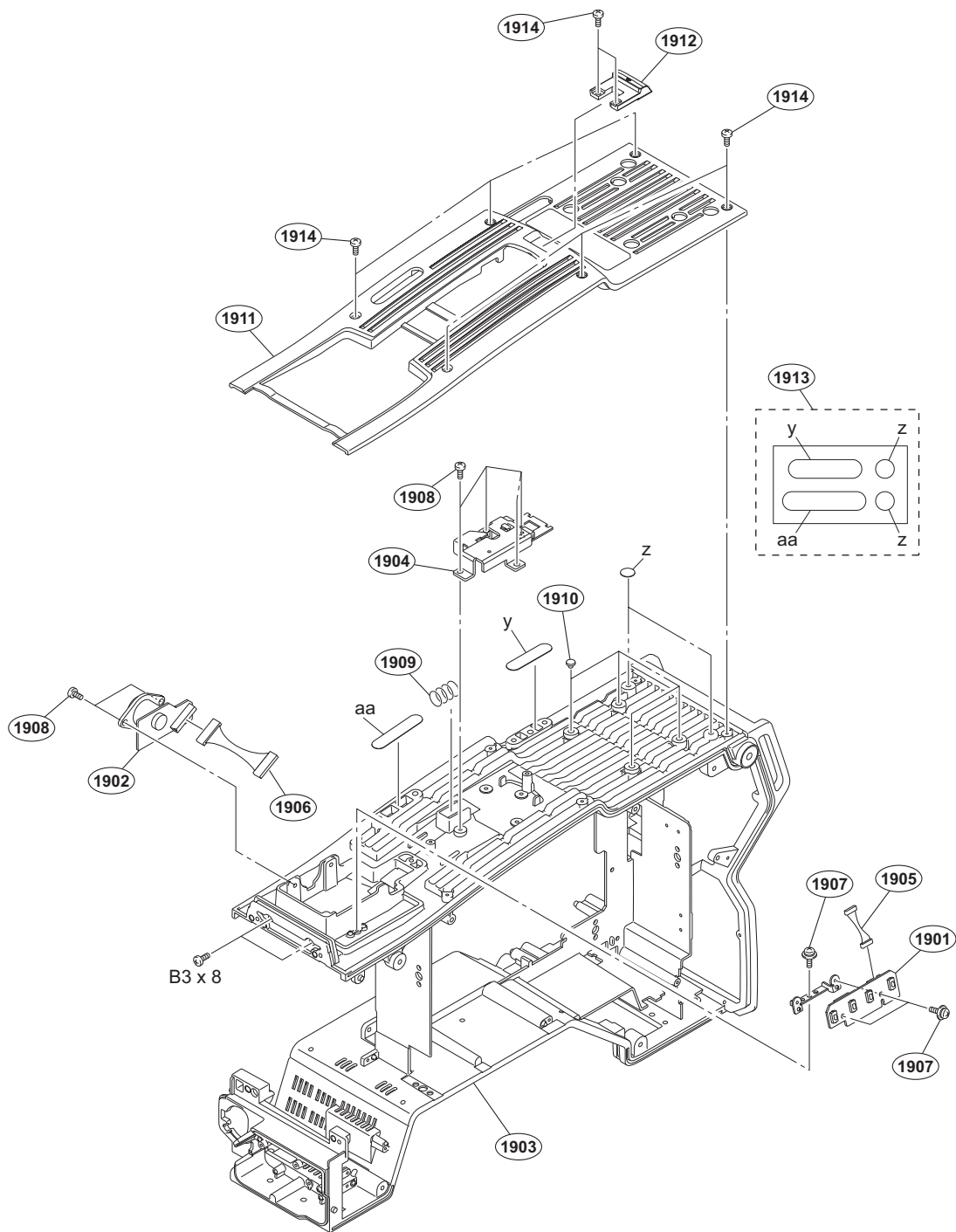
## Handle-2



| No.  | Part No.     | SP Description                    | No.  | Part No.     | SP Description   |
|------|--------------|-----------------------------------|------|--------------|------------------|
| 1801 | A-8278-412-J | s SHOE ASSY, VF                   | 1819 | 4-654-273-02 | s ACE (M2), LOCK |
| 1802 | X-2583-014-1 | s HANDLEHOLDER (AL) SUBASSY       |      |              |                  |
| 1803 | 3-612-822-01 | s SPRING, COMPRESSION             |      |              |                  |
| 1804 | 3-627-853-07 | s SHOE, SLIDE                     |      | 7-623-208-22 | s SW 3, TYPE 2   |
| 1805 | 3-657-705-91 | s BOLT (M4X8), HEXAGON HOLE       |      | 7-682-548-09 | s SCREW +B 3X8   |
| 1806 | 3-673-046-03 | s LEVER, LOCK                     |      |              |                  |
| 1807 | 3-676-244-03 | s COVER, SWITCH                   |      |              |                  |
| 1808 | 3-679-684-01 | o REST, ARM                       |      |              |                  |
| 1809 | 3-690-660-02 | s LOCK, SCREW                     |      |              |                  |
| 1810 | 3-690-674-02 | s KNOB, LOCK                      |      |              |                  |
| 1811 | 3-701-507-01 | s SET SCREW, DOUBLE POINT, (M3X5) |      |              |                  |
| 1812 | 3-710-024-02 | s PACKING, VF                     |      |              |                  |
| 1813 | 3-711-765-01 | s BOLT (M3), HEXAGON SOCKET       |      |              |                  |
| 1814 | 3-711-794-12 | s PIN, STOPPER                    |      |              |                  |
| 1815 | 3-872-615-01 | s PLATE, VF SLIDE                 |      |              |                  |
| 1816 | 3-895-622-01 | s RING (DIA. 5), O                |      |              |                  |
| 1817 | 4-137-907-01 | s PIPE, VF SLIDE (LONG)           |      |              |                  |
| 1818 | 4-293-491-01 | s COVER, TOP(2)                   |      |              |                  |



## Handle-3



| No.  | Part No.     | SP Description                      | No.  | Part No.     | SP Description   |
|------|--------------|-------------------------------------|------|--------------|------------------|
| 1901 | A-1860-026-A | s MOUNTED CIRCUITE BOARD, SW-1525   | 1914 | 4-654-273-02 | s ACE (M2), LOCK |
| 1902 | A-1860-033-A | s MOUNTED CIRCUITE BOARD, CN-3422   |      |              |                  |
| 1903 | A-1838-889-A | s CHASSIS SUB ASSY                  |      |              |                  |
| 1904 | X-3704-669-2 | s PLATE ASSY, HANDLE AXIS HOLD      |      |              |                  |
| 1905 | 1-968-141-11 | s HARNESS, SUB (FILTER SW)          |      | 7-682-548-09 | s SCREW +B 3X8   |
| 1906 | 1-968-149-11 | s HARNESS, SUB (VF)                 |      |              |                  |
| 1907 | 2-640-315-02 | o SCREW (M2X5), SMALL, +P, SW       |      |              |                  |
| 1908 | 3-637-901-11 | s SCREW M2.6X5                      |      |              |                  |
| 1909 | 3-872-543-01 | s SPRING, COMPRESSION (HANDLE-LOCK) |      |              |                  |
| 1910 | 4-138-679-01 | s SCREW, BLIND                      |      |              |                  |
| 1911 | 4-293-486-02 | s COVER, TOP                        |      |              |                  |
| 1912 | 4-299-188-01 | s BUTTON, HANDLE RELEASE            |      |              |                  |
| 1913 | 4-408-829-01 | s SHEET, TOP                        |      |              |                  |



**AT-189 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| CN100               | 1-818-655-21 s | CONNECTOR, BOARD TO BOARD 120P |
| D300                | 6-502-197-01 s | DI SML-D12M8WT86SM             |
| E100                | 1-535-757-21 s | CHIP, CHECKER                  |
| FB100               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB101               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB102               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB300               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB304               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB400               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB401               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FL100               | 1-234-939-21 s | FILTER, EMI REMOVAL (SMD)      |
| FL101               | 1-234-939-21 s | FILTER, EMI REMOVAL (SMD)      |
| FL300               | 1-234-939-21 s | FILTER, EMI REMOVAL (SMD)      |
| FL301               | 1-234-939-21 s | FILTER, EMI REMOVAL (SMD)      |
| FL302               | 1-234-939-21 s | FILTER, EMI REMOVAL (SMD)      |
| FL400               | 1-234-939-21 s | FILTER, EMI REMOVAL (SMD)      |
| FL401               | 1-234-939-21 s | FILTER, EMI REMOVAL (SMD)      |
| FL402               | 1-234-939-21 s | FILTER, EMI REMOVAL (SMD)      |
| IC100               | 6-706-220-01 s | IC LTC3411EMS#TR               |
| IC101               | 6-706-220-01 s | IC LTC3411EMS#TR               |
| IC102               | 6-712-135-01 o | IC R1173H001D-T1-F             |
| IC103               | 6-712-135-01 o | IC R1173H001D-T1-F             |
| IC111               | 8-759-598-43 s | IC TC7WH04FK                   |
| IC112               | 6-704-566-01 s | IC R3112N291A-TR-FA            |
| IC113               | 6-710-943-01 s | IC TC74VHC164FK(EL,K)          |
| IC300               | 6-704-030-01 s | IC TC7SA04FU(TE85R)            |
| IC301               | 6-700-599-01 s | IC TC7SA08FU(TE85R)            |
| IC303               | 6-704-030-01 s | IC TC7SA04FU(TE85R)            |
| IC305               | 6-704-030-01 s | IC TC7SA04FU(TE85R)            |
| IC309               | 6-700-599-01 s | IC TC7SA08FU(TE85R)            |
| IC310               | 6-700-599-01 s | IC TC7SA08FU(TE85R)            |
| IC311               | 6-700-599-01 s | IC TC7SA08FU(TE85R)            |
| L100                | 1-419-630-21 s | COIL, CHOKE 4.7UH              |
| L101                | 1-419-630-21 s | COIL, CHOKE 4.7UH              |
| Q100                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL         |
| Q101                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL         |
| Q300                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL         |
| R100                | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R101                | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R102                | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R103                | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R106                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R107                | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R108                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R109                | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R110                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R114                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R115                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R116                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R117                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R118                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R119                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R120                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R121                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R122                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R123                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R124                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R125                | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R132                | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R133                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R135                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |

**AT-189 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R137                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R139                | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R140                | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R141                | 1-208-951-81 s | RES, CHIP 470K (1005)  |
| R142                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R144                | 1-208-943-81 s | RES, CHIP 220K (1005)  |
| R146                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R147                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R149                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R200                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R201                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R202                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R203                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R204                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R205                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R206                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R207                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R208                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R209                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R210                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R211                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R212                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R213                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R214                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R215                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R216                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R217                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R218                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R219                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R220                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R221                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R222                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R223                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R224                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R226                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R227                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R228                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R229                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R230                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R231                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R232                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R233                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R234                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R235                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R236                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R237                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R239                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R240                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R241                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R245                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R300                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R301                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R302                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R303                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R304                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R305                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R306                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R307                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R308                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R309                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R310                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R311                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R312                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R313                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R314                | 1-208-911-81 s | RES, CHIP 10K (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R315                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R316                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R317                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R319                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R320                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R321                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R322                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R323                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R324                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R325                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R326                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R327                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R328                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R329                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R330                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R331                | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R332                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R333                | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R334                | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R335                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R336                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R337                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R338                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R340                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R341                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R342                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R343                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R344                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R345                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R346                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R347                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R349                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R350                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R351                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R352                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R353                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R354                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R400                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R401                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R402                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R403                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R404                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R405                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R406                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R407                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R408                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R409                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R410                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R411                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R412                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R414                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R415                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R416                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R417                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R418                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R419                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R420                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R421                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R422                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R423                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R424                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R425                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R426                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R428                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R429                | 1-220-878-81 s | RES, CHIP 22 (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                     |
|---------------------|----------------|------------------------------------|
| R430                | 1-220-878-81 s | RES, CHIP 22 (1005)                |
| R432                | 1-208-887-81 s | RES, CHIP 1.0K (1005)              |
| R433                | 1-208-887-81 s | RES, CHIP 1.0K (1005)              |
| R440                | 1-220-870-81 s | RES, CHIP 10 (1005)                |
| R441                | 1-220-870-81 s | RES, CHIP 10 (1005)                |
| R442                | 1-220-870-81 s | RES, CHIP 10 (1005)                |
| R443                | 1-220-870-81 s | RES, CHIP 10 (1005)                |
| RB200               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB201               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB202               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB203               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB204               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB205               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB206               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB207               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB302               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB303               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)           |
| RB304               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB305               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB306               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB307               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB308               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB309               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB310               | 1-234-372-21 s | RES, NETWORK 100 (1005X4)          |
| RB311               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB312               | 1-234-372-21 s | RES, NETWORK 100 (1005X4)          |
| RB313               | 1-234-372-21 s | RES, NETWORK 100 (1005X4)          |
| RB314               | 1-234-372-21 s | RES, NETWORK 100 (1005X4)          |
| RB315               | 1-234-372-21 s | RES, NETWORK 100 (1005X4)          |
| RB316               | 1-234-372-21 s | RES, NETWORK 100 (1005X4)          |
| RB317               | 1-234-377-21 s | RES, NETWORK 4.7K (1005X4)         |
| RB401               | 1-234-372-21 s | RES, NETWORK 100 (1005X4)          |
| RB411               | 1-234-372-21 s | RES, NETWORK 100 (1005X4)          |
| RB412               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB413               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB414               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB415               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB416               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB417               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB418               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB419               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB420               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB421               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB422               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB423               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB424               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB425               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB426               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| RB430               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)           |
| TP100               | 1-535-757-21 s | CHIP, CHECKER                      |
| TP101               | 1-780-925-11 s | TERMINAL, LUG                      |
| TP102               | 1-780-925-11 s | TERMINAL, LUG                      |
| TP300               | 1-535-757-21 s | CHIP, CHECKER                      |
| X300                | 1-814-322-11 s | QUARTZ CRYSTAL UNITS (11.2896 MHz) |
| X301                | 1-813-205-11 s | VIBRATOR, CRYSTAL (24 MHz)         |

## CN-3315 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                   |
|---------------------|--------------|----------------------------------|
| 1pc                 | A-1860-210-A | s MOUNTED CIRCUIT BOARD, CN-3315 |
| CN1                 | 1-779-522-31 | s CONNECTOR, FFC/FPC(ZIF) AN 40P |
| CN2                 | 1-764-441-51 | s CONNECTOR, FPC 30P             |
| CN3                 | 1-819-109-11 | s CONNECTOR, BOARD TO BOARD 100P |

## CN-3421 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                   |
|---------------------|--------------|----------------------------------|
| 1pc                 | A-1860-032-A | s MOUNTED CIRCUIT BOARD, CN-3421 |
| C1                  | 1-162-966-91 | s CAP, CERAMIC 2200PF B 1608     |
| C2                  | 1-164-315-91 | s CAP, CERAMIC 470PF CH (1608)   |
| C3                  | 1-164-315-91 | s CAP, CERAMIC 470PF CH (1608)   |
| C4                  | 1-162-966-91 | s CAP, CERAMIC 2200PF B 1608     |
| C5                  | 1-164-315-91 | s CAP, CERAMIC 470PF CH (1608)   |
| C6                  | 1-164-315-91 | s CAP, CERAMIC 470PF CH (1608)   |
| CN1                 | 1-573-594-12 | s CONNECTOR, XLR TYPE 3P         |
| CN3                 | 1-817-318-21 | s PIN, CONNECTOR 6P              |
| ET1                 | 1-780-569-11 | s TERMINAL (ON BOARD CONTACT)    |
| FB1                 | 1-469-112-21 | s FERRITE, EMI (SMD) (1608)      |
| FB2                 | 1-469-112-21 | s FERRITE, EMI (SMD) (1608)      |
| FB3                 | 1-469-112-21 | s FERRITE, EMI (SMD) (1608)      |
| FB4                 | 1-469-112-21 | s FERRITE, EMI (SMD) (1608)      |
| JC1                 | 1-216-864-91 | s CONDUCTOR, CHIP (1608)         |
| JC2                 | 1-216-864-91 | s CONDUCTOR, CHIP (1608)         |

## CN-3422 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                   |
|---------------------|--------------|----------------------------------|
| 1pc                 | A-1860-033-A | s MOUNTED CIRCUIT BOARD, CN-3422 |
| C1                  | 1-164-874-81 | s CAP,CHIP CERAMIC 100PF CH 1005 |
| C2                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005 |
| C3                  | 1-100-567-81 | s CAP,CHIP CERAMIC 0.01MF B 1005 |
| C4                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005 |
| C5                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005 |
| C6                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005 |
| C8                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005 |
| C9                  | 1-135-960-91 | s CAP, CHIP CERAMIC 10MF B(3225) |
| C10                 | 1-100-567-81 | s CAP,CHIP CERAMIC 0.01MF B 1005 |
| CN1                 | 1-816-041-12 | s CONNECTOR, ROUND TYPE 20P      |
| CN2                 | 1-816-113-21 | s CONNECTOR 15P                  |
| FB1                 | 1-414-772-21 | s FERRITE, EMI (SMD) (2012)      |
| FB2                 | 1-414-772-21 | s FERRITE, EMI (SMD) (2012)      |
| FB3                 | 1-400-832-21 | s SMD EMI FERRITE                |
| FB4                 | 1-400-832-21 | s SMD EMI FERRITE                |
| FB5                 | 1-400-832-21 | s SMD EMI FERRITE                |
| FB6                 | 1-400-832-21 | s SMD EMI FERRITE                |
| FB7                 | 1-400-832-21 | s SMD EMI FERRITE                |
| FB8                 | 1-400-832-21 | s SMD EMI FERRITE                |
| FB9                 | 1-400-832-21 | s SMD EMI FERRITE                |
| FB10                | 1-400-832-21 | s SMD EMI FERRITE                |
| FB11                | 1-400-832-21 | s SMD EMI FERRITE                |
| FB12                | 1-400-832-21 | s SMD EMI FERRITE                |
| FB13                | 1-400-832-21 | s SMD EMI FERRITE                |

## CN-3422 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description           |
|---------------------|--------------|--------------------------|
| JC1                 | 1-216-864-91 | s CONDUCTOR, CHIP (1608) |

## CN-3423 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                     |
|---------------------|--------------|------------------------------------|
| 1pc                 | A-1860-034-A | s MOUNTED CIRCUIT BOARD, CN-3423   |
| C1                  | 1-164-882-81 | s CAP,CHIP CERAMIC 220PF CH 1005   |
| C2                  | 1-164-882-81 | s CAP,CHIP CERAMIC 220PF CH 1005   |
| C3                  | 1-100-597-91 | s CAP, CHIP CERAMIC 0.1MF B 1608   |
| C4                  | 1-100-597-91 | s CAP, CHIP CERAMIC 0.1MF B 1608   |
| C5                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005   |
| C6                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005   |
| C7                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005   |
| C8                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005   |
| C9                  | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005   |
| C10                 | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005   |
| C11                 | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005   |
| C12                 | 1-164-939-81 | s CAP, CHIPCERAMIC 2200PF B 1005   |
| CN1                 | 1-562-221-31 | s CONNECTOR (ROUND TYPE) (R-F) 12P |
| CN2                 | 1-819-308-21 | s PIN, CONNECTOR 15P               |
| FB1                 | 1-414-772-21 | s FERRITE, EMI (SMD) (2012)        |
| FB2                 | 1-414-772-21 | s FERRITE, EMI (SMD) (2012)        |
| FB3                 | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB4                 | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB5                 | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB6                 | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB7                 | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB8                 | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB9                 | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB10                | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB11                | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB12                | 1-400-832-21 | s SMD EMI FERRITE                  |
| FB13                | 1-400-832-21 | s SMD EMI FERRITE                  |

## CN-3424 BOARD

| Ref. No.<br>or Q'ty | Part No.     | SP Description                   |
|---------------------|--------------|----------------------------------|
| 1pc                 | A-1860-035-A | s MOUNTED CIRCUIT BOARD, CN-3424 |
| C1                  | 1-100-567-81 | s CAP,CHIP CERAMIC 0.01MF B 1005 |
| C2                  | 1-135-960-91 | s CAP, CHIP CERAMIC 10MF B(3225) |
| C3                  | 1-164-874-81 | s CAP,CHIP CERAMIC 100PF CH 1005 |
| C4                  | 1-125-777-81 | s CAP, CHIP CERAMIC 0.1MF B 1005 |
| C5                  | 1-125-777-81 | s CAP, CHIP CERAMIC 0.1MF B 1005 |
| C6                  | 1-164-874-81 | s CAP,CHIP CERAMIC 100PF CH 1005 |
| C7                  | 1-125-777-81 | s CAP, CHIP CERAMIC 0.1MF B 1005 |
| C8                  | 1-164-874-81 | s CAP,CHIP CERAMIC 100PF CH 1005 |
| C9                  | 1-164-874-81 | s CAP,CHIP CERAMIC 100PF CH 1005 |
| C10                 | 1-112-717-91 | s CAP, CERAMIC 1UF B (1005)      |
| C11                 | 1-125-777-81 | s CAP, CHIP CERAMIC 0.1MF B 1005 |
| C12                 | 1-125-777-81 | s CAP, CHIP CERAMIC 0.1MF B 1005 |
| CN1                 | 1-794-959-21 | o PIN, CONNECTOR (PWB, PRINT)20P |
| CN2                 | 1-819-308-21 | s PIN, CONNECTOR 15P             |
| CN3                 | 1-770-629-21 | s PIN, CONNECTOR 12P             |
| CN4                 | 1-770-628-21 | s PIN, CONNECTOR 11P             |
| CN5                 | 1-770-619-21 | s PIN, CONNECTOR 2P              |

**CN-3424 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| D3                  | 8-719-989-04 s | DIODE DAN222-TL       |
| IC1                 | 6-714-067-01 s | IC PCA9555DB-T        |
| IC2                 | 6-714-067-01 s | IC PCA9555DB-T        |
| IC3                 | 6-711-237-01 s | IC NJM2878F3-33 (TE2) |
| IC4                 | 6-706-476-01 s | IC TC7SET04FU         |
| IC5                 | 6-706-476-01 s | IC TC7SET04FU         |
| R1                  | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2                  | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R3                  | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R4                  | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R5                  | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R6                  | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R7                  | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R8                  | 1-208-855-81 s | RES, CHIP 47 (1005)   |

**CN-3425 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-036-A s | MOUNTED CIRCUIT BOARD, CN-3425 |
| C1                  | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005   |
| CN1                 | 1-770-623-21 s | PIN, CONNECTOR 6P              |
| CN2                 | 1-573-594-12 s | CONNECTOR, XLR TYPE 3P         |
| CN4                 | 1-573-594-12 s | CONNECTOR, XLR TYPE 3P         |
| ET001               | 1-780-569-11 s | TERMINAL (ON BOARD CONTACT)    |
| ET002               | 1-780-569-11 s | TERMINAL (ON BOARD CONTACT)    |
| FB1                 | 1-400-832-21 s | SMD EMI FERRITE                |
| FB2                 | 1-400-832-21 s | SMD EMI FERRITE                |
| FB3                 | 1-400-832-21 s | SMD EMI FERRITE                |
| FB4                 | 1-400-832-21 s | SMD EMI FERRITE                |
| FB5                 | 1-400-832-21 s | SMD EMI FERRITE                |
| FB6                 | 1-400-832-21 s | SMD EMI FERRITE                |
| L1                  | 1-457-217-21 o | COMMON MODE CHOKE COIL         |
| L2                  | 1-457-217-21 o | COMMON MODE CHOKE COIL         |
| R1                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R2                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R3                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R4                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R5                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R6                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |

**CN-3426 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-037-A s | MOUNTED CIRCUIT BOARD, CN-3426 |
| C1                  | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| CN1                 | 1-778-645-31 s | CONNECTOR, FFC/FPC(ZIF) AN 10P |
| CN2                 | 1-817-109-11 s | CONNECTOR, USB (A)             |
| D1                  | 6-500-122-01 s | DIODE CL-375HR/YG-D-TS         |
| FB1                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB2                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| L1                  | 1-481-265-21 s | COMMON MODE CHOKE COIL         |

**CN-3426 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R1                  | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2                  | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| VDR1                | 1-802-245-11 s | ESD SUPPRESSOR        |
| VDR2                | 1-802-245-11 s | ESD SUPPRESSOR        |

**CN-3427 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-038-A s | MOUNTED CIRCUIT BOARD, CN-3427 |
| C1                  | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C2                  | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C3                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C4                  | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C5                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C6                  | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C7                  | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C8                  | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C9                  | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C10                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C11                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C12                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C13                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C14                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C15                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C16                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C17                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C18                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C19                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C20                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| C21                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C22                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C24                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C25                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C26                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C27                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C28                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C29                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C30                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C31                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C32                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C33                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C34                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C35                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C36                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C37                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C38                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C39                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| CN1                 | 1-816-562-31 s | CONNECTOR, FFC/FPC(ZIF) ST 36P |
| CN2                 | 1-770-160-21 s | PIN, CONNECTOR (PC BOARD) 2P   |
| CN3                 | 1-785-946-21 s | CONNECTOR 3P                   |
| CN4                 | 1-565-443-11 o | RECEPTACLE, CONNECTOR 10P      |
| CN5                 | 1-819-262-11 s | CONNECTOR, ROUND TYPE 12P      |
| CN6                 | 1-779-884-21 s | CONNECTOR 4P                   |
| CN7                 | 1-563-929-11 s | CONNECTOR, ROUND TYPE (RF) 4P  |
| CN8                 | 1-562-222-21 s | CONNECTOR, ROUND TYPE 6P       |
| D001                | 8-719-069-28 s | DI 1SS400FJTE61                |
| FB1                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB2                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB3                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB4                 | 1-234-518-21 s | ARRAY, FERRITE CHIP            |

## CN-3427 BOARD

| Ref. No.<br>or Q'ty | Part No.                                                                                           | SP Description            |
|---------------------|----------------------------------------------------------------------------------------------------|---------------------------|
| FB5                 | 1-234-518-21 s                                                                                     | ARRAY, FERRITE CHIP       |
| FB6                 | 1-234-518-21 s                                                                                     | ARRAY, FERRITE CHIP       |
| FB7                 | 1-234-518-21 s                                                                                     | ARRAY, FERRITE CHIP       |
| FB10                | 1-469-108-21 s                                                                                     | FERRITE, EMI (SMD) (1608) |
| FB11                | 1-469-108-21 s                                                                                     | FERRITE, EMI (SMD) (1608) |
| FB12                | 1-469-108-21 s                                                                                     | FERRITE, EMI (SMD) (1608) |
| FB13                | 1-469-108-21 s                                                                                     | FERRITE, EMI (SMD) (1608) |
| FB14                | 1-469-108-21 s                                                                                     | FERRITE, EMI (SMD) (1608) |
| FB17                | 1-469-094-21 s                                                                                     | FERRITE, EMI (SMD) (1608) |
| FB18                | 1-234-518-21 s                                                                                     | ARRAY, FERRITE CHIP       |
| IC1                 | 6-714-067-01 s                                                                                     | IC PCA9555DB-T            |
| R1                  | 1-208-855-81 s                                                                                     | RES, CHIP 47 (1005)       |
| R2                  | 1-208-855-81 s                                                                                     | RES, CHIP 47 (1005)       |
| R3                  | 1-208-863-81 s                                                                                     | RES, CHIP 100 (1005)      |
| R4                  | 1-208-863-81 s                                                                                     | RES, CHIP 100 (1005)      |
| R5                  | 1-208-863-81 s                                                                                     | RES, CHIP 100 (1005)      |
| R6                  | 1-208-863-81 s                                                                                     | RES, CHIP 100 (1005)      |
| R7                  | 1-208-863-81 s                                                                                     | RES, CHIP 100 (1005)      |
| R8                  | 1-208-887-81 s                                                                                     | RES, CHIP 1.0K (1005)     |
| R9                  | 1-208-887-81 s                                                                                     | RES, CHIP 1.0K (1005)     |
| R10                 | 1-208-887-81 s                                                                                     | RES, CHIP 1.0K (1005)     |
| R11                 | 1-208-887-81 s                                                                                     | RES, CHIP 1.0K (1005)     |
| R12                 | 1-208-887-81 s                                                                                     | RES, CHIP 1.0K (1005)     |
| R13                 | 1-208-887-81 s                                                                                     | RES, CHIP 1.0K (1005)     |
| R14                 | 1-208-887-81 s                                                                                     | RES, CHIP 1.0K (1005)     |
| R15                 | 1-208-887-81 s                                                                                     | RES, CHIP 1.0K (1005)     |
| R16                 | 1-208-879-81 s                                                                                     | RES, CHIP 470 (1005)      |
| R17                 | 1-208-879-81 s                                                                                     | RES, CHIP 470 (1005)      |
| S1                  | 1-570-607-11 s                                                                                     | SWITCH, TOGGLE            |
| S2                  | 1-570-607-11 s                                                                                     | SWITCH, TOGGLE            |
| S3                  | 1-570-853-11 s                                                                                     | SWITCH, SLIDE             |
| S4                  | 1-570-853-11 s                                                                                     | SWITCH, SLIDE             |
| THP1                |  1-802-108-11 s | THERMISTOR, POSITIVE      |
| THP2                |  1-811-201-11 s | THERMISTOR, POSITIVE      |

## CN-3428 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-039-A s | MOUNTED CIRCUIT BOARD, CN-3428 |
| 2pcs                | 3-863-319-01 s | BRACKET BNC                    |
| CN1                 | 1-580-724-12 s | CONNECTOR, BNC                 |
| CN2                 | 1-580-724-12 s | CONNECTOR, BNC                 |
| CN3                 | 1-770-621-21 s | PIN, CONNECTOR 4P              |
| FB1                 | 1-469-108-21 s | FERRITE, EMI (SMD) (1608)      |
| FB2                 | 1-469-108-21 s | FERRITE, EMI (SMD) (1608)      |

## CN-3429 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1860-040-A s | MOUNTED CIRCUIT BOARD, CN-3429  |
| C1                  | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| C2                  | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| CN1                 | 1-770-620-21 s | PIN, CONNECTOR 3P               |

## CN-3429 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description    |
|---------------------|----------------|-------------------|
| CN2                 | 1-507-792-11 s | JACK              |
| L1                  | 1-428-965-11 s | COIL, CHOKE (SMD) |

## CN-3430 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-041-A s | MOUNTED CIRCUIT BOARD, CN-3430 |
| C1                  | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |
| C2                  | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |
| CN1                 | 1-770-626-21 s | PIN, CONNECTOR 9P              |
| CN2                 | 1-766-696-11 o | CONNECTOR, ROUND TYPE 8P       |
| FB1                 | 1-234-518-21 s | ARRAY, FERRITE CHIP            |
| FB2                 | 1-400-832-21 s | SMD EMI FERRITE                |
| FB3                 | 1-400-832-21 s | SMD EMI FERRITE                |
| FB4                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB5                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB6                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |

## CN-3431 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-042-A s | MOUNTED CIRCUIT BOARD, CN-3431 |
| C1                  | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005   |
| C2                  | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C3                  | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| CN1                 | 1-784-602-11 s | CONNECTOR, XLR (RECEPTACLE) 5P |
| CN2                 | 1-779-806-21 s | CONNECTOR 8P                   |
| ET1                 | 1-780-569-11 s | TERMINAL (ON BOARD CONTACT)    |
| FB1                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB2                 | 1-414-445-21 s | FERRITE, EMI (SMD) (1608)      |
| FB3                 | 1-414-445-21 s | FERRITE, EMI (SMD) (1608)      |
| L1                  | 1-457-217-21 o | COMMON MODE CHOKE COIL         |

## CN-3432 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-043-A s | MOUNTED CIRCUIT BOARD, CN-3432 |
| C1                  | 1-114-236-21 s | CAP, CERAMIC 22MF B (3225)     |
| C2                  | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C3                  | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| CN1                 | 1-820-882-11 s | CONNECTOR (RECEPTACLE), XLR    |
| CN2                 | 1-580-533-11 s | PIN, CONNECTOR (PC BOARD) 8P   |
| FB1                 | 1-414-772-21 s | FERRITE, EMI (SMD) (2012)      |
| FB2                 | 1-414-772-21 s | FERRITE, EMI (SMD) (2012)      |
| FB3                 | 1-414-772-21 s | FERRITE, EMI (SMD) (2012)      |
| FB4                 | 1-414-772-21 s | FERRITE, EMI (SMD) (2012)      |
| FB5                 | 1-414-772-21 s | FERRITE, EMI (SMD) (2012)      |
| FB6                 | 1-414-772-21 s | FERRITE, EMI (SMD) (2012)      |
| FB7                 | 1-414-772-21 s | FERRITE, EMI (SMD) (2012)      |

**CN-3432 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| FB8                 | 1-414-772-21 s | FERRITE. EMI (SMD) (2012) |

**DPR-338 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1861-312-A s | MOUNTED CIRCUIT BOARD, DPR-338 |
| 3pcs                | 3-729-061-02 s | SCREW (M2) (TYPE 1)            |
| C11                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C12                 | 1-112-916-11 s | CAP, NIOBIUM ELECT 47MF 105    |
| C13                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C16                 | 1-114-166-91 s | CAP, CERAMIC 0.01MF B (0603)   |
| C17                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C18                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C21                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C22                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C23                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C24                 | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |
| C25                 | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C26                 | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |
| C27                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C28                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C29                 | 1-112-916-11 s | CAP, NIOBIUM ELECT 47MF 105    |
| C30                 | 1-112-916-11 s | CAP, NIOBIUM ELECT 47MF 105    |
| C31                 | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C32                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C33                 | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C34                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C35                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C36                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C39                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C40                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C41                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C42                 | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005   |
| C43                 | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005   |
| C44                 | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005   |
| C46                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C47                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C48                 | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C49                 | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C50                 | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C51                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C52                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C53                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C54                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C55                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C56                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C57                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C58                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C59                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C60                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C61                 | 1-164-936-81 s | CAP, CHIP CERAMIC 680PF B 1005 |
| C62                 | 1-164-936-81 s | CAP, CHIP CERAMIC 680PF B 1005 |
| C63                 | 1-164-936-81 s | CAP, CHIP CERAMIC 680PF B 1005 |
| C64                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C65                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C66                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C67                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C68                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C69                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C70                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C71                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |

**DPR-338 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C72                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C73                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C74                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C75                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C76                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C77                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C78                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C79                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C80                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C81                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C82                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C83                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C84                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C85                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C86                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C87                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C88                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C89                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C90                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C91                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C92                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C93                 | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C94                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C95                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C96                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C97                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C98                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C99                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C100                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C101                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C102                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C103                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C104                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C105                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C106                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C107                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C108                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C109                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C110                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C111                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C112                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C113                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C114                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C115                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C116                | 1-114-548-11 s | CAP, NIOBIUM ELECT 22UF        |
| C117                | 1-114-548-11 s | CAP, NIOBIUM ELECT 22UF        |
| C118                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C119                | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C120                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C123                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C124                | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |
| C125                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C126                | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |
| C127                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C128                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C129                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C130                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C131                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C132                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C135                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C136                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C137                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C138                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C139                | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005   |
| C140                | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005   |



**DPR-338 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| C141                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)        |
| C142                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C143                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005  |
| C144                | 1-114-548-11 s | CAP, NIOBIUM ELECT 22UF         |
| C145                | 1-112-916-11 s | CAP, NIOBIUM ELECT 47MF 105     |
| C146                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005  |
| C147                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225   |
| C148                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)        |
| C149                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C150                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C151                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225   |
| C152                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C153                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C154                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C155                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225   |
| C156                | 1-164-936-81 s | CAP, CHIP CERAMIC 680PF B 1005  |
| C157                | 1-164-936-81 s | CAP, CHIP CERAMIC 680PF B 1005  |
| C158                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C159                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)        |
| C160                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C161                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)        |
| C162                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225   |
| C163                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225   |
| C164                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)      |
| C165                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)      |
| C166                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)      |
| C167                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)      |
| C168                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)      |
| C169                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)      |
| C170                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)      |
| C171                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)      |
| C172                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C173                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C174                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C175                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C176                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C177                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C178                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C179                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C180                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C181                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C182                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C183                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C184                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C185                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C186                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C187                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C188                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C189                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C190                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C191                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C192                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C193                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C194                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C195                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C196                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C197                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C201                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |
| C202                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |
| C203                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |
| C204                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |
| C205                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |
| C206                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |
| C207                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |
| C208                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C209                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C210                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C211                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C212                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C213                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C214                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C215                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C216                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C217                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C218                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C219                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C220                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C221                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C222                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C223                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C224                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C229                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C230                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C231                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C232                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C233                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C234                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C235                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C236                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C237                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C238                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C239                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C240                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C241                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C242                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C243                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C244                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C245                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C246                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C247                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C248                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C249                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C250                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C251                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C252                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C253                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C254                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C255                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C256                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C257                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C258                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C259                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C260                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C261                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C262                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C263                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C264                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C265                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C266                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C267                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C268                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C269                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C270                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C271                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C272                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C273                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C274                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C275                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C276                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C277                | 1-114-983-91 s | CAP, CHIP CERAMIC 2.2MF B 1608 |







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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C756                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C757                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C758                | 1-100-880-91 s | CAP, CERAMIC 100MF C (3225)    |
| C759                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C760                | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005) |
| C761                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C762                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C763                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C764                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C765                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C766                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C767                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C768                | 1-100-880-91 s | CAP, CERAMIC 100MF C (3225)    |
| C769                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C770                | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005) |
| C771                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C772                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C773                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C774                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C775                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C776                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C777                | 1-100-880-91 s | CAP, CERAMIC 100MF C (3225)    |
| C778                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C779                | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005) |
| C780                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C781                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C782                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C783                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C784                | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005) |
| C785                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C786                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C787                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C788                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C789                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C790                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C791                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C792                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C793                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C794                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C795                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C796                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C797                | 1-114-548-11 s | CAP, NIOBIUM ELECT 22UF        |
| C798                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C799                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C800                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C801                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C802                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C803                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C804                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C805                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C806                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C807                | 1-100-880-91 s | CAP, CERAMIC 100MF C (3225)    |
| C808                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C809                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C810                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C811                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C812                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C813                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C814                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C815                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C816                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C817                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C818                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C819                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C820                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C821                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C822                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C823                | 1-100-880-91 s | CAP, CERAMIC 100MF C (3225)    |
| C824                | 1-100-880-91 s | CAP, CERAMIC 100MF C (3225)    |
| C825                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C826                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C827                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C828                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C829                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C830                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C831                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C832                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C833                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C834                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C835                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C836                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C837                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C838                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C839                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C840                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C841                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C842                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C843                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C844                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C845                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C846                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C847                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C848                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C849                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C850                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C851                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C852                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C853                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C854                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C855                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C856                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C857                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C858                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C859                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C860                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C861                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C862                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C863                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C864                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C865                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C866                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C867                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C868                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C869                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C870                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C871                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C872                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C873                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C874                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C875                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C876                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C877                | 1-112-933-11 s | CAP, NIOBIUM ELECT 47MF        |
| C878                | 1-112-933-11 s | CAP, NIOBIUM ELECT 47MF        |
| C879                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C880                | 1-112-933-11 s | CAP, NIOBIUM ELECT 47MF        |
| C882                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C883                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C884                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C885                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C886                | 1-112-933-11 s | CAP, NIOBIUM ELECT 47MF        |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C887                | 1-112-933-11 s | CAP, NIOBIUM ELECT 47MF        |
| C888                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C889                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C890                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C891                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C892                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C893                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C894                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C895                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C896                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C897                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C898                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C899                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C900                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C901                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C902                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C903                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C904                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C905                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C906                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C907                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C908                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C909                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C910                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C913                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C914                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C915                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C916                | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |
| C917                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C918                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C919                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C920                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C921                | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005 |
| C922                | 1-164-842-81 s | CAP,CHIP CERAMIC 2.0PF CK 1005 |
| C923                | 1-164-842-81 s | CAP,CHIP CERAMIC 2.0PF CK 1005 |
| C924                | 1-164-842-81 s | CAP,CHIP CERAMIC 2.0PF CK 1005 |
| C925                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C926                | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C928                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C930                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C932                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C933                | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C934                | 1-164-852-81 s | CAP, CHIP CERAMIC 12PF CH 1005 |
| C935                | 1-164-852-81 s | CAP, CHIP CERAMIC 12PF CH 1005 |
| C936                | 1-164-852-81 s | CAP, CHIP CERAMIC 12PF CH 1005 |
| C937                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C938                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C939                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C940                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C941                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C942                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C943                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C944                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C945                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C946                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C947                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C948                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C949                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C950                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C951                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C952                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C953                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C954                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C955                | 1-164-854-81 s | CAP, CHIP CERAMIC 15PF CH 1005 |
| C956                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C957                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C961                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C962                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C963                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C964                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C965                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C966                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C967                | 1-114-548-11 s | CAP, NIOBIUM ELECT 22UF        |
| C969                | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)    |
| C970                | 1-114-548-11 s | CAP, NIOBIUM ELECT 22UF        |
| C972                | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)    |
| C973                | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)    |
| C974                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C975                | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)    |
| C976                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C977                | 1-127-950-21 s | CAP, CHIP FILM 0.01MF (2012)   |
| C978                | 1-127-950-21 s | CAP, CHIP FILM 0.01MF (2012)   |
| C979                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C980                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C981                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C982                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C983                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C984                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C985                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C986                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C987                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C988                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C989                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C990                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C991                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C992                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C993                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2001               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2013               | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C2014               | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C2015               | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C2016               | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| CN102               | 1-819-110-11 s | CONNECTOR, BOARD TO BOARD 100P |
| CN103               | 1-843-236-11 s | HEADER ASSEMBLY FOR PWB ST 41P |
| CN104               | 1-843-236-11 s | HEADER ASSEMBLY FOR PWB ST 41P |
| CN501               | 1-784-254-21 s | CONNECTOR 10P                  |
| CN601               | 1-784-254-21 s | CONNECTOR 10P                  |
| CN801               | 1-764-243-31 o | CONNECTOR (COAXIAL)            |
| D101                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D102                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D103                | 6-502-598-01 s | DI SML-D12U8WT86               |
| D104                | 6-502-197-01 s | DI SML-D12M8WT86SM             |
| D105                | 6-502-197-01 s | DI SML-D12M8WT86SM             |
| D106                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D107                | 8-719-074-31 s | DIODE CL-196YG-CD-T            |
| D301                | 8-719-074-31 s | DIODE CL-196YG-CD-T            |
| D901                | 8-719-820-42 s | DIODE 1SS302-TE85L             |
| D902                | 6-502-197-01 s | DI SML-D12M8WT86SM             |
| D903                | 8-719-820-42 s | DIODE 1SS302-TE85L             |
| D904                | 8-719-820-42 s | DIODE 1SS302-TE85L             |
| D905                | 6-502-598-01 s | DI SML-D12U8WT86               |
| E1                  | 1-535-877-22 s | CHIP, CHECKER                  |
| E2                  | 1-535-877-22 s | CHIP, CHECKER                  |
| E4                  | 1-535-877-22 s | CHIP, CHECKER                  |
| E5                  | 1-535-877-22 s | CHIP, CHECKER                  |
| E6                  | 1-535-877-22 s | CHIP, CHECKER                  |
| FB101               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |
| FB102               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)      |

[illegible]

| Ref. No.<br>or Q'ty | Part No.     | SP | Description               |
|---------------------|--------------|----|---------------------------|
| FB312               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB313               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB314               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB401               | 1-400-462-21 | s  | FERRITE, EMI (SMD) (1005) |
| FB402               | 1-400-462-21 | s  | FERRITE, EMI (SMD) (1005) |
| FB403               | 1-400-462-21 | s  | FERRITE, EMI (SMD) (1005) |
| FB404               | 1-400-462-21 | s  | FERRITE, EMI (SMD) (1005) |
| FB501               | 1-469-094-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB502               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB503               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB504               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB505               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB506               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB507               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB508               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB509               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB510               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB511               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB512               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB513               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB601               | 1-469-094-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB702               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB703               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB704               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB706               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB707               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB708               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB709               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB710               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB711               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB712               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB713               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB714               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB715               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB716               | 1-414-864-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB801               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB802               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB803               | 1-469-094-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB804               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB805               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB806               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB807               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB808               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB809               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB810               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB811               | 1-481-195-21 | s  | FERRITE, EMI (SMD)        |
| FB901               | 1-469-094-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB902               | 1-469-094-21 | s  | FERRITE, EMI (SMD) (1608) |
| FB903               | 1-469-094-21 | s  | FERRITE, EMI (SMD) (1608) |
| IC101               | 8-759-327-01 | s  | IC NJM062V (TE2)          |
| IC102               | 6-713-169-01 | s  | IC LTC3412AEFE#TR         |
| IC103               | 6-713-169-01 | s  | IC LTC3412AEFE#TR         |
| IC104               | 6-713-169-01 | s  | IC LTC3412AEFE#TR         |
| IC105               | 6-704-976-01 | s  | IC ADR381ARTZ-REEL7       |
| IC106               | 8-759-327-01 | s  | IC NJM062V (TE2)          |
| IC107               | 6-713-169-01 | s  | IC LTC3412AEFE#TR         |
| IC108               | 6-713-169-01 | s  | IC LTC3412AEFE#TR         |
| IC109               | 6-707-849-01 | s  | IC TC74LCX244FT (EKJ)     |
| IC110               | 8-759-592-48 | s  | IC TC7SZ32FU (TE85R)      |
| IC111               | 8-759-592-48 | s  | IC TC7SZ32FU (TE85R)      |
| IC112               | 8-759-592-48 | s  | IC TC7SZ32FU (TE85R)      |
| IC113               | 8-759-592-47 | s  | IC TC7SZ08FU (TE85R)      |
| IC114               | 8-759-592-47 | s  | IC TC7SZ08FU (TE85R)      |
| IC115               | 8-759-592-42 | s  | IC TC7SZ00FU (TE85R)      |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| IC116               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC117               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC120               | 8-759-592-49 s | IC TC7SZ125FU (TE85R)  |
| IC121               | 8-759-592-49 s | IC TC7SZ125FU (TE85R)  |
| IC122               | 6-711-485-01 s | IC TC74VCX125FK (EL)   |
| IC123               | 6-711-485-01 s | IC TC74VCX125FK (EL)   |
| IC124               | 8-759-327-01 s | IC NJM062V (TE2)       |
| IC125               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC126               | 8-759-592-49 s | IC TC7SZ125FU (TE85R)  |
| IC201               | 6-706-863-01 s | IC LMH6732MFX/NOPB     |
| IC202               | 6-706-863-01 s | IC LMH6732MFX/NOPB     |
| IC203               | 6-706-863-01 s | IC LMH6732MFX/NOPB     |
| IC204               | 6-706-863-01 s | IC LMH6732MFX/NOPB     |
| IC207               | 6-706-863-01 s | IC LMH6732MFX/NOPB     |
| IC208               | 6-706-863-01 s | IC LMH6732MFX/NOPB     |
| IC209               | 8-759-675-54 s | IC TC7W53FK (TE85R)    |
| IC210               | 8-759-675-54 s | IC TC7W53FK (TE85R)    |
| IC212               | 8-759-675-54 s | IC TC7W53FK (TE85R)    |
| IC213               | 8-759-675-54 s | IC TC7W53FK (TE85R)    |
| IC214               | 8-759-675-54 s | IC TC7W53FK (TE85R)    |
| IC215               | 8-759-675-54 s | IC TC7W53FK (TE85R)    |
| IC216               | 8-759-327-01 s | IC NJM062V (TE2)       |
| IC217               | 8-759-327-01 s | IC NJM062V (TE2)       |
| IC218               | 8-759-327-01 s | IC NJM062V (TE2)       |
| IC219               | 6-707-884-01 s | IC TC74VHCT04AFT (EKJ) |
| IC220               | 6-707-884-01 s | IC TC74VHCT04AFT (EKJ) |
| IC221               | 6-708-676-01 s | IC AD8138ARMZ-REEL7    |
| IC222               | 6-708-676-01 s | IC AD8138ARMZ-REEL7    |
| IC223               | 6-708-676-01 s | IC AD8138ARMZ-REEL7    |
| IC224               | 6-708-676-01 s | IC AD8138ARMZ-REEL7    |
| IC225               | 6-708-676-01 s | IC AD8138ARMZ-REEL7    |
| IC226               | 6-708-676-01 s | IC AD8138ARMZ-REEL7    |
| IC227               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC228               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC229               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC230               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC302               | 6-707-855-01 s | IC TC74LCX574FT (EKJ)  |
| IC304               | 8-759-592-42 s | IC TC7SZ00FU (TE85R)   |
| IC305               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC307               | 6-704-238-01 s | IC S-812C30AUA-C2KT2G  |
| IC308               | 8-759-592-42 s | IC TC7SZ00FU (TE85R)   |
| IC406               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC502               | 6-714-608-01 s | IC TPS51200DRCR        |
| IC506               | 8-759-592-49 s | IC TC7SZ125FU (TE85R)  |
| IC507               | 6-711-485-01 s | IC TC74VCX125FK (EL)   |
| IC508               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC509               | 8-759-592-44 s | IC TC7SZ04FU (TE85R)   |
| IC510               | 6-711-485-01 s | IC TC74VCX125FK (EL)   |
| IC603               | 8-759-592-49 s | IC TC7SZ125FU (TE85R)  |
| IC604               | 6-711-485-01 s | IC TC74VCX125FK (EL)   |
| IC605               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |
| IC606               | 8-759-592-44 s | IC TC7SZ04FU (TE85R)   |
| IC607               | 6-711-485-01 s | IC TC74VCX125FK (EL)   |
| IC701               | 6-712-135-01 o | IC R1173H001D-T1-F     |
| IC702               | 6-714-534-01 s | IC W9864G2IH-6-ER10    |
| IC703               | 6-714-534-01 s | IC W9864G2IH-6-ER10    |
| IC704               | 6-714-534-01 s | IC W9864G2IH-6-ER10    |
| IC705               | 6-714-534-01 s | IC W9864G2IH-6-ER10    |
| IC802               | 6-713-192-11 s | IC GS2978-CNTE3Z       |
| IC803               | 6-707-997-01 s | IC ADV7320KSTZ         |
| IC804               | 8-759-561-46 s | IC AD8014ARTZ-REEL7    |
| IC805               | 8-759-561-46 s | IC AD8014ARTZ-REEL7    |
| IC806               | 8-759-561-46 s | IC AD8014ARTZ-REEL7    |
| IC807               | 8-759-561-46 s | IC AD8014ARTZ-REEL7    |
| IC808               | 8-759-592-47 s | IC TC7SZ08FU (TE85R)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description               |
|---------------------|----------------|------------------------------|
| IC901               | 8-759-485-24 s | IC MC74HC4046ADTR2           |
| IC902               | 8-759-485-24 s | IC MC74HC4046ADTR2           |
| IC903               | 8-759-675-54 s | IC TC7W53FK (TE85R)          |
| IC904               | 8-759-675-54 s | IC TC7W53FK (TE85R)          |
| IC905               | 8-759-675-54 s | IC TC7W53FK (TE85R)          |
| IC906               | 8-759-592-43 s | IC TC7SZ02FU (TE85R)         |
| IC907               | 8-759-675-47 s | IC SN74LVC04APWR             |
| IC908               | 6-708-277-01 s | IC CDCVF25081PWR             |
| IC909               | 6-700-831-01 s | IC TC7WZ74FK                 |
| IC910               | 6-706-478-01 s | IC TC7SET08FU                |
| IC911               | 6-706-478-01 s | IC TC7SET08FU                |
| IC912               | 6-706-478-01 s | IC TC7SET08FU                |
| IC913               | 6-706-478-01 s | IC TC7SET08FU                |
| IC914               | 8-759-669-66 s | IC TLC272CPWR-12             |
| IC915               | 8-759-669-66 s | IC TLC272CPWR-12             |
| IC916               | 8-759-592-42 s | IC TC7SZ00FU (TE85R)         |
| IC917               | 8-759-592-42 s | IC TC7SZ00FU (TE85R)         |
| IC918               | 8-759-592-42 s | IC TC7SZ00FU (TE85R)         |
| IC2001              | 6-711-915-01 s | IC LM73CIMK-0                |
| JC301               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| JC501               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| JC502               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| JC503               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| L101                | 1-457-372-21 s | COIL, CHOKE 1UH              |
| L102                | 1-457-372-21 s | COIL, CHOKE 1UH              |
| L103                | 1-457-372-21 s | COIL, CHOKE 1UH              |
| L104                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH         |
| L105                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH         |
| L106                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH         |
| L107                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L108                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L109                | 1-457-372-21 s | COIL, CHOKE 1UH              |
| L110                | 1-457-372-21 s | COIL, CHOKE 1UH              |
| L111                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L201                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L202                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L203                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L204                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L205                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L206                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L207                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L208                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L209                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L210                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L211                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L212                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L213                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L214                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L215                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L216                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L217                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L218                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L401                | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016) |
| L402                | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016) |
| L403                | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016) |
| L404                | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016) |
| L405                | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016) |
| L406                | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016) |
| L407                | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016) |
| L408                | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016) |
| L801                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L802                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L803                | 1-414-836-21 s | INDUCTOR, CHIP 4.7NH (1005)  |
| L804                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L805                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |



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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| L806                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L807                | 1-481-589-21 s | INDUCTOR, CHIP 10UH       |
| L808                | 1-481-577-21 s | INDUCTOR, CHIP 1.0UH      |
| L809                | 1-481-577-21 s | INDUCTOR, CHIP 1.0UH      |
| L810                | 1-481-577-21 s | INDUCTOR, CHIP 1.0UH      |
| L811                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L812                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L813                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L814                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L815                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L816                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L817                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L818                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L901                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L902                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L903                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L904                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L905                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L906                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L907                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L908                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L909                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L910                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| L911                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH     |
| LP1                 | 4-369-317-01 s | PIN, COATING LEAD         |
| Q101                | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q |
| Q102                | 6-550-632-01 s | TRANSISTOR 2SC4672-T100-Q |
| Q103                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL    |
| Q104                | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q |
| Q105                | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q |
| Q106                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q107                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q108                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL    |
| Q109                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q110                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q111                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL    |
| Q112                | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q |
| Q601                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q901                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL    |
| Q902                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL    |
| Q903                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL    |
| Q904                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL    |
| Q905                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL    |
| Q906                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q907                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q908                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q909                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q910                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q911                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| R41                 | 1-218-977-81 s | RES, CHIP 100K            |
| R42                 | 1-220-878-81 s | RES, CHIP 22 (1005)       |
| R52                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)     |
| R54                 | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R56                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)     |
| R57                 | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R58                 | 1-208-883-81 s | RES, CHIP 680 (1005)      |
| R59                 | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R60                 | 1-208-935-81 s | RES, CHIP 100K (1005)     |
| R61                 | 1-208-935-81 s | RES, CHIP 100K (1005)     |
| R62                 | 1-208-935-81 s | RES, CHIP 100K (1005)     |
| R63                 | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R64                 | 1-208-915-81 s | RES, CHIP 15K (1005)      |
| R65                 | 1-208-911-81 s | RES, CHIP 10K (1005)      |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R66                 | 1-218-945-81 s | RES, CHIP 220                  |
| R67                 | 1-218-945-81 s | RES, CHIP 220                  |
| R68                 | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R69                 | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R70                 | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R71                 | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R72                 | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R73                 | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R74                 | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R75                 | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R76                 | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R77                 | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R78                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R79                 | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R80                 | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R81                 | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R82                 | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R83                 | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R84                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R85                 | 1-208-931-81 s | RES, CHIP 68K (1005)           |
| R86                 | 1-208-931-81 s | RES, CHIP 68K (1005)           |
| R87                 | 1-218-973-81 s | RES, CHIP 47K                  |
| R88                 | 1-218-941-81 s | RES, CHIP 100                  |
| R89                 | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R90                 | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R91                 | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R92                 | 1-242-967-81 s | RES, CHIP 1.0 (1005)           |
| R93                 | 1-242-967-81 s | RES, CHIP 1.0 (1005)           |
| R94                 | 1-242-967-81 s | RES, CHIP 1.0 (1005)           |
| R95                 | 1-242-967-81 s | RES, CHIP 1.0 (1005)           |
| R96                 | 1-211-737-91 s | RES,SQUARE TYPE CHIP 0.47 3225 |
| R97                 | 1-211-737-91 s | RES,SQUARE TYPE CHIP 0.47 3225 |
| R98                 | 1-216-809-91 s | RES, CHIP 100 (1608)           |
| R99                 | 1-216-809-91 s | RES, CHIP 100 (1608)           |
| R100                | 1-216-809-91 s | RES, CHIP 100 (1608)           |
| R101                | 1-216-809-91 s | RES, CHIP 100 (1608)           |
| R102                | 1-218-945-81 s | RES, CHIP 220                  |
| R103                | 1-218-945-81 s | RES, CHIP 220                  |
| R105                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R107                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R108                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R109                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R110                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R111                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R112                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R113                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R114                | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R115                | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R116                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R117                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R118                | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R119                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R120                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R121                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R122                | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R123                | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R124                | 1-243-975-81 s | RES, CHIP 4.7M (1005)          |
| R125                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R126                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R127                | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R128                | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R129                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R130                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R131                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R132                | 1-208-879-81 s | RES, CHIP 470 (1005)           |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R133                | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R134                | 1-218-973-81 s | RES, CHIP 47K                  |
| R135                | 1-208-931-81 s | RES, CHIP 68K (1005)           |
| R136                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R137                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R138                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R139                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R140                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R141                | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R142                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R143                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R144                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R145                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R146                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R147                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R148                | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R149                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R150                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R151                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R152                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R153                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R154                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R155                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R156                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R157                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R158                | 1-218-977-81 s | RES, CHIP 100K                 |
| R159                | 1-218-977-81 s | RES, CHIP 100K                 |
| R160                | 1-218-977-81 s | RES, CHIP 100K                 |
| R161                | 1-218-937-81 s | RES, CHIP 47                   |
| R162                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R163                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R164                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R165                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R166                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R167                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R168                | 1-218-941-81 s | RES, CHIP 100                  |
| R169                | 1-218-973-81 s | RES, CHIP 47K                  |
| R170                | 1-218-937-81 s | RES, CHIP 47                   |
| R171                | 1-218-937-81 s | RES, CHIP 47                   |
| R172                | 1-218-937-81 s | RES, CHIP 47                   |
| R173                | 1-218-937-81 s | RES, CHIP 47                   |
| R174                | 1-218-937-81 s | RES, CHIP 47                   |
| R175                | 1-218-941-81 s | RES, CHIP 100                  |
| R176                | 1-218-941-81 s | RES, CHIP 100                  |
| R177                | 1-218-933-81 s | RES, CHIP 22                   |
| R178                | 1-218-933-81 s | RES, CHIP 22                   |
| R179                | 1-218-933-81 s | RES, CHIP 22                   |
| R180                | 1-218-933-81 s | RES, CHIP 22                   |
| R181                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R182                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R185                | 1-218-945-81 s | RES, CHIP 220                  |
| R186                | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R187                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R188                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R189                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R190                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R191                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R192                | 1-218-941-81 s | RES, CHIP 100                  |
| R197                | 1-218-973-81 s | RES, CHIP 47K                  |
| R198                | 1-218-977-81 s | RES, CHIP 100K                 |
| R199                | 1-218-937-81 s | RES, CHIP 47                   |
| R205                | 1-208-883-81 s | RES, CHIP 680 (1005)           |
| R206                | 1-208-883-81 s | RES, CHIP 680 (1005)           |
| R207                | 1-208-883-81 s | RES, CHIP 680 (1005)           |
| R208                | 1-208-883-81 s | RES, CHIP 680 (1005)           |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R209                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R210                | 1-218-969-81 s | RES, CHIP 22K          |
| R211                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R212                | 1-218-969-81 s | RES, CHIP 22K          |
| R213                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R214                | 1-218-969-81 s | RES, CHIP 22K          |
| R215                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R216                | 1-218-969-81 s | RES, CHIP 22K          |
| R217                | 1-218-973-81 s | RES, CHIP 47K          |
| R218                | 1-208-905-81 s | RES, CHIP 5.6K (1005)  |
| R219                | 1-218-973-81 s | RES, CHIP 47K          |
| R220                | 1-208-905-81 s | RES, CHIP 5.6K (1005)  |
| R221                | 1-218-973-81 s | RES, CHIP 47K          |
| R222                | 1-208-905-81 s | RES, CHIP 5.6K (1005)  |
| R223                | 1-218-973-81 s | RES, CHIP 47K          |
| R224                | 1-208-905-81 s | RES, CHIP 5.6K (1005)  |
| R225                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R226                | 1-218-937-81 s | RES, CHIP 47           |
| R227                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R228                | 1-218-937-81 s | RES, CHIP 47           |
| R229                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R230                | 1-218-937-81 s | RES, CHIP 47           |
| R231                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R232                | 1-218-937-81 s | RES, CHIP 47           |
| R233                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R234                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R235                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R236                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R237                | 1-208-885-81 s | RES, CHIP 820 (1005)   |
| R238                | 1-218-977-81 s | RES, CHIP 100K         |
| R239                | 1-208-885-81 s | RES, CHIP 820 (1005)   |
| R240                | 1-218-977-81 s | RES, CHIP 100K         |
| R241                | 1-208-885-81 s | RES, CHIP 820 (1005)   |
| R242                | 1-218-977-81 s | RES, CHIP 100K         |
| R243                | 1-208-885-81 s | RES, CHIP 820 (1005)   |
| R244                | 1-218-977-81 s | RES, CHIP 100K         |
| R245                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R246                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R247                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R248                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R249                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R250                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R251                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R252                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R265                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R266                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R267                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R268                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R269                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R270                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R271                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R272                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R273                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R274                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R275                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R276                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R277                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R278                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R279                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R280                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R281                | 1-218-953-81 s | RES, CHIP 1.0K         |
| R282                | 1-218-953-81 s | RES, CHIP 1.0K         |
| R283                | 1-218-953-81 s | RES, CHIP 1.0K         |
| R284                | 1-218-953-81 s | RES, CHIP 1.0K         |
| R285                | 1-216-803-91 s | RES, CHIP 33 (1608)    |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R286                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R287                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R288                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R289                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R290                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R291                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R292                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R294                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R296                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R297                | 1-218-941-81 s | RES, CHIP 100          |
| R298                | 1-218-941-81 s | RES, CHIP 100          |
| R299                | 1-218-941-81 s | RES, CHIP 100          |
| R300                | 1-218-941-81 s | RES, CHIP 100          |
| R301                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R302                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R309                | 1-218-941-81 s | RES, CHIP 100          |
| R310                | 1-218-941-81 s | RES, CHIP 100          |
| R311                | 1-218-941-81 s | RES, CHIP 100          |
| R312                | 1-218-941-81 s | RES, CHIP 100          |
| R313                | 1-218-961-81 s | RES, CHIP 4.7K         |
| R314                | 1-218-961-81 s | RES, CHIP 4.7K         |
| R315                | 1-218-941-81 s | RES, CHIP 100          |
| R316                | 1-218-941-81 s | RES, CHIP 100          |
| R321                | 1-218-941-81 s | RES, CHIP 100          |
| R322                | 1-218-941-81 s | RES, CHIP 100          |
| R325                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R326                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R327                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R328                | 1-218-969-81 s | RES, CHIP 22K          |
| R329                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R330                | 1-218-969-81 s | RES, CHIP 22K          |
| R331                | 1-218-941-81 s | RES, CHIP 100          |
| R332                | 1-218-941-81 s | RES, CHIP 100          |
| R333                | 1-218-973-81 s | RES, CHIP 47K          |
| R334                | 1-208-905-81 s | RES, CHIP 5.6K (1005)  |
| R335                | 1-218-973-81 s | RES, CHIP 47K          |
| R336                | 1-208-905-81 s | RES, CHIP 5.6K (1005)  |
| R337                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R338                | 1-218-937-81 s | RES, CHIP 47           |
| R339                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R340                | 1-218-937-81 s | RES, CHIP 47           |
| R341                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R342                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R343                | 1-208-885-81 s | RES, CHIP 820 (1005)   |
| R344                | 1-218-977-81 s | RES, CHIP 100K         |
| R345                | 1-208-885-81 s | RES, CHIP 820 (1005)   |
| R346                | 1-218-977-81 s | RES, CHIP 100K         |
| R347                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R348                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R349                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R350                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R351                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R352                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R353                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R354                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R355                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R356                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R357                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R358                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R361                | 1-218-941-81 s | RES, CHIP 100          |
| R362                | 1-218-941-81 s | RES, CHIP 100          |
| R363                | 1-218-941-81 s | RES, CHIP 100          |
| R364                | 1-218-941-81 s | RES, CHIP 100          |
| R369                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R370                | 1-208-883-81 s | RES, CHIP 680 (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R371                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R372                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R373                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R374                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R375                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R376                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R377                | 1-218-953-81 s | RES, CHIP 1.0K         |
| R378                | 1-218-953-81 s | RES, CHIP 1.0K         |
| R379                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R380                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R381                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R382                | 1-216-803-91 s | RES, CHIP 33 (1608)    |
| R383                | 1-218-941-81 s | RES, CHIP 100          |
| R384                | 1-218-941-81 s | RES, CHIP 100          |
| R386                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R387                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R388                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R389                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R390                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R391                | 1-218-941-81 s | RES, CHIP 100          |
| R392                | 1-218-941-81 s | RES, CHIP 100          |
| R393                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R397                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R398                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R399                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R400                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R401                | 1-218-941-81 s | RES, CHIP 100          |
| R402                | 1-218-941-81 s | RES, CHIP 100          |
| R403                | 1-218-941-81 s | RES, CHIP 100          |
| R404                | 1-218-941-81 s | RES, CHIP 100          |
| R405                | 1-218-941-81 s | RES, CHIP 100          |
| R406                | 1-218-941-81 s | RES, CHIP 100          |
| R407                | 1-218-961-81 s | RES, CHIP 4.7K         |
| R408                | 1-218-941-81 s | RES, CHIP 100          |
| R411                | 1-218-941-81 s | RES, CHIP 100          |
| R412                | 1-218-941-81 s | RES, CHIP 100          |
| R413                | 1-218-941-81 s | RES, CHIP 100          |
| R414                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R415                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R416                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R417                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R418                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R419                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R420                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R421                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R422                | 1-218-941-81 s | RES, CHIP 100          |
| R423                | 1-218-941-81 s | RES, CHIP 100          |
| R424                | 1-218-941-81 s | RES, CHIP 100          |
| R425                | 1-218-941-81 s | RES, CHIP 100          |
| R426                | 1-218-933-81 s | RES, CHIP 22           |
| R427                | 1-218-933-81 s | RES, CHIP 22           |
| R428                | 1-218-933-81 s | RES, CHIP 22           |
| R429                | 1-218-933-81 s | RES, CHIP 22           |
| R430                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R431                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R432                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R433                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R434                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R435                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R436                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R437                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R438                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R439                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R440                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R441                | 1-208-863-81 s | RES, CHIP 100 (1005)   |



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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R615                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R616                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R617                | 1-208-875-81 s | RES, CHIP 330 (1005)           |
| R618                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R619                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R620                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R621                | 1-208-871-81 s | RES, CHIP 220 (1005)           |
| R622                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R623                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R624                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R625                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R626                | 1-208-871-81 s | RES, CHIP 220 (1005)           |
| R627                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R628                | 1-208-871-81 s | RES, CHIP 220 (1005)           |
| R629                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R630                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R651                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R652                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R653                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R654                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R655                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R656                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R657                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R658                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R659                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R660                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R661                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R662                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R663                | 1-208-875-81 s | RES, CHIP 330 (1005)           |
| R664                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R665                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R666                | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R667                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R668                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R669                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R670                | 1-218-933-81 s | RES, CHIP 22                   |
| R671                | 1-218-933-81 s | RES, CHIP 22                   |
| R672                | 1-218-941-81 s | RES, CHIP 100                  |
| R673                | 1-218-933-81 s | RES, CHIP 22                   |
| R674                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R675                | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R676                | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R677                | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R678                | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R680                | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R681                | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R686                | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R687                | 1-208-871-81 s | RES, CHIP 220 (1005)           |
| R688                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R689                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R694                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R701                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R702                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R703                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R704                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R705                | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R706                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R707                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R708                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R709                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R710                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R711                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R712                | 1-211-899-91 s | RES,SQUARE TYPE CHIP 0.22 3225 |
| R713                | 1-211-899-91 s | RES,SQUARE TYPE CHIP 0.22 3225 |
| R715                | 1-218-933-81 s | RES, CHIP 22                   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R716                | 1-218-933-81 s | RES, CHIP 22                   |
| R717                | 1-218-933-81 s | RES, CHIP 22                   |
| R718                | 1-218-933-81 s | RES, CHIP 22                   |
| R719                | 1-211-899-91 s | RES,SQUARE TYPE CHIP 0.22 3225 |
| R720                | 1-211-899-91 s | RES,SQUARE TYPE CHIP 0.22 3225 |
| R751                | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R752                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R753                | 1-208-867-81 s | RES, CHIP 150 (1005)           |
| R754                | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R755                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R757                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R758                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R759                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R760                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R761                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R762                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R763                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R764                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R765                | 1-208-883-81 s | RES, CHIP 680 (1005)           |
| R766                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R767                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R768                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R769                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R771                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R773                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R774                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R775                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R776                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R777                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R778                | 1-208-859-81 s | RES, CHIP 68 (1005)            |
| R779                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R780                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R781                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R782                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R783                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R784                | 1-208-856-81 s | RES, CHIP 51 (1005)            |
| R785                | 1-208-856-81 s | RES, CHIP 51 (1005)            |
| R786                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R787                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R788                | 1-208-856-81 s | RES, CHIP 51 (1005)            |
| R789                | 1-208-856-81 s | RES, CHIP 51 (1005)            |
| R790                | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R791                | 1-208-883-81 s | RES, CHIP 680 (1005)           |
| R792                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R793                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R794                | 1-208-860-81 s | RES, CHIP 75 (1005)            |
| R795                | 1-208-860-81 s | RES, CHIP 75 (1005)            |
| R796                | 1-208-860-81 s | RES, CHIP 75 (1005)            |
| R797                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R798                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R799                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R800                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R801                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R802                | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R803                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R804                | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R806                | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R807                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R808                | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R809                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R810                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R811                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R812                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R813                | 1-208-883-81 s | RES, CHIP 680 (1005)           |
| R814                | 1-208-883-81 s | RES, CHIP 680 (1005)           |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R815                | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R816                | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R817                | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R818                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R819                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R820                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R821                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R822                | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R823                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R824                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R825                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R826                | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R827                | 1-218-929-81 s | RES, CHIP 10           |
| R828                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R829                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R830                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R831                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R832                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R833                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R834                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R835                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R836                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R837                | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R838                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R839                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R840                | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R841                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R842                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R843                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R844                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R845                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R846                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R847                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R848                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R849                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R850                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R851                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R852                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R853                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R854                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R855                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R856                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R857                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R858                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R859                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R860                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R861                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R862                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R863                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R864                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R865                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R866                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R867                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R901                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R902                | 1-218-957-81 s | RES, CHIP 2.2K         |
| R903                | 1-218-957-81 s | RES, CHIP 2.2K         |
| R904                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R905                | 1-218-957-81 s | RES, CHIP 2.2K         |
| R907                | 1-218-973-81 s | RES, CHIP 47K          |
| R908                | 1-218-957-81 s | RES, CHIP 2.2K         |
| R909                | 1-218-973-81 s | RES, CHIP 47K          |
| R910                | 1-218-957-81 s | RES, CHIP 2.2K         |
| R911                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R912                | 1-218-973-81 s | RES, CHIP 47K          |
| R913                | 1-218-973-81 s | RES, CHIP 47K          |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R914                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R915                | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R916                | 1-218-977-81 s | RES, CHIP 100K         |
| R917                | 1-218-973-81 s | RES, CHIP 47K          |
| R918                | 1-218-957-81 s | RES, CHIP 2.2K         |
| R919                | 1-218-953-81 s | RES, CHIP 1.0K         |
| R920                | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R921                | 1-218-957-81 s | RES, CHIP 2.2K         |
| R922                | 1-218-941-81 s | RES, CHIP 100          |
| R923                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R925                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R926                | 1-218-973-81 s | RES, CHIP 47K          |
| R927                | 1-218-973-81 s | RES, CHIP 47K          |
| R928                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R929                | 1-218-953-81 s | RES, CHIP 1.0K         |
| R930                | 1-218-961-81 s | RES, CHIP 4.7K         |
| R932                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R933                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R934                | 1-218-957-81 s | RES, CHIP 2.2K         |
| R935                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R936                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R937                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R938                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R939                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R940                | 1-218-989-81 s | RES, CHIP 1M           |
| R941                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R942                | 1-218-965-81 s | RES, CHIP 10K 1005     |
| R943                | 1-218-953-81 s | RES, CHIP 1.0K         |
| R945                | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R946                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R948                | 1-218-941-81 s | RES, CHIP 100          |
| R949                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R950                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R951                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R952                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R953                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R954                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R955                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R956                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R957                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R958                | 1-218-933-81 s | RES, CHIP 22           |
| R959                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R960                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R961                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R962                | 1-218-933-81 s | RES, CHIP 22           |
| R963                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R964                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R965                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1001               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1002               | 1-245-242-81 s | RES, CHIP 1.5M (1005)  |
| R1003               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1004               | 1-245-242-81 s | RES, CHIP 1.5M (1005)  |
| R1005               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1006               | 1-245-242-81 s | RES, CHIP 1.5M (1005)  |
| R1007               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1008               | 1-245-242-81 s | RES, CHIP 1.5M (1005)  |
| R1009               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1010               | 1-245-242-81 s | RES, CHIP 1.5M (1005)  |
| R1011               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1012               | 1-245-242-81 s | RES, CHIP 1.5M (1005)  |
| R1013               | 1-218-933-81 s | RES, CHIP 22           |
| R1014               | 1-218-933-81 s | RES, CHIP 22           |
| R1015               | 1-218-933-81 s | RES, CHIP 22           |
| R1016               | 1-218-933-81 s | RES, CHIP 22           |
| R2001               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |



| Ref. No.<br>or Q'ty | Part No.     | SP | Description  |               |
|---------------------|--------------|----|--------------|---------------|
| RB511               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB512               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB513               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB514               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB515               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB516               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB517               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB518               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB519               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB520               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB521               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB522               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB523               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB524               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB525               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB601               | 1-234-377-21 | s  | RES, NETWORK | 4.7K (1005X4) |
| RB602               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB603               | 1-234-377-21 | s  | RES, NETWORK | 4.7K (1005X4) |
| RB604               | 1-234-377-21 | s  | RES, NETWORK | 4.7K (1005X4) |
| RB605               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB606               | 1-234-377-21 | s  | RES, NETWORK | 4.7K (1005X4) |
| RB607               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB608               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB609               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB610               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB611               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB612               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB613               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB614               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB615               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB616               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB617               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB618               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB619               | 1-234-378-21 | s  | RES, NETWORK | 10K (1005X4)  |
| RB620               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB621               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB622               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB623               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB624               | 1-234-373-21 | s  | RES, NETWORK | 220 (1005X4)  |
| RB625               | 1-234-373-21 | s  | RES, NETWORK | 220 (1005X4)  |
| RB626               | 1-234-373-21 | s  | RES, NETWORK | 220 (1005X4)  |
| RB627               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB628               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB629               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB630               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB631               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB632               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB633               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB634               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB635               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB636               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB637               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB638               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB639               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB640               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB641               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB642               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB643               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB644               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB645               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB646               | 1-234-371-21 | s  | RES, NETWORK | 47 (1005X4)   |
| RB701               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB702               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB703               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |
| RB704               | 1-234-372-21 | s  | RES, NETWORK | 100 (1005X4)  |

[illegible]



**DPR-338 BOARD**

| Ref. No.<br>or Q'ty                                                                      | Part No.       | SP Description                  |
|------------------------------------------------------------------------------------------|----------------|---------------------------------|
| RB772                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB773                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB774                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB775                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB776                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB801                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB802                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB803                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB804                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB805                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB806                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB807                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB808                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB809                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB902                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB903                                                                                    | 1-234-372-21 s | RES, NETWORK 100 (1005X4)       |
| RB904                                                                                    | 1-234-371-21 s | RES, NETWORK 47 (1005X4)        |
| RB905                                                                                    | 1-234-371-21 s | RES, NETWORK 47 (1005X4)        |
| RB906                                                                                    | 1-234-371-21 s | RES, NETWORK 47 (1005X4)        |
| THP101  | 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP102  | 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP103  | 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP104  | 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP105  | 1-804-616-21 s | THERMISTOR, POSITIVE            |
| TP31                                                                                     | 1-535-877-22 s | CHIP, CHECKER                   |
| TP61                                                                                     | 1-535-877-22 s | CHIP, CHECKER                   |
| TP62                                                                                     | 1-535-877-22 s | CHIP, CHECKER                   |
| TP63                                                                                     | 1-535-877-22 s | CHIP, CHECKER                   |
| TP64                                                                                     | 1-535-877-22 s | CHIP, CHECKER                   |
| TP65                                                                                     | 1-535-877-22 s | CHIP, CHECKER                   |
| TP66                                                                                     | 1-535-877-22 s | CHIP, CHECKER                   |
| TP801                                                                                    | 1-535-877-22 s | CHIP, CHECKER                   |
| TP802                                                                                    | 1-535-877-22 s | CHIP, CHECKER                   |
| TP803                                                                                    | 1-535-877-22 s | CHIP, CHECKER                   |
| TP804                                                                                    | 1-535-877-22 s | CHIP, CHECKER                   |
| TP901                                                                                    | 1-535-877-22 s | CHIP, CHECKER                   |
| TP902                                                                                    | 1-535-877-22 s | CHIP, CHECKER                   |
| X901                                                                                     | 1-795-670-12 s | OSCILLATOR, CRYSTAL (VCXO) 3.3V |
| X902                                                                                     | 1-795-671-12 s | OSCILLATOR, CRYSTAL (VCXO) 3.3V |
| X903                                                                                     | 1-795-764-12 s | OSCILLATOR, CRYSTAL (VCXO) 5V   |

**DR-657S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1896-071-A s | MOUNTED CIRCUIT BOARD, DR-657S |
| C1                  | 1-100-966-91 s | CAP, CERAMIC 10MF C (2012)     |
| C2                  | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C3                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C4                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C5                  | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C6                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C7                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C8                  | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C9                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C10                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C11                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C12                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C13                 | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C14                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |

**DR-657S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C15                 | 1-162-927-91 s | CAP, CERAMIC 100PF CH 1608     |
| C16                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C17                 | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C18                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C19                 | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C20                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C21                 | 1-114-549-11 s | CAP, NIOBIUM ELECT 47UF        |
| C22                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C23                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C24                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C25                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C26                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C27                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C28                 | 1-112-791-11 s | CAP, ELECT 100MF               |
| C29                 | 1-162-927-91 s | CAP, CERAMIC 100PF CH 1608     |
| C31                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C32                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C33                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C34                 | 1-114-728-91 o | CAP, CERAMIC 22MF B 3216       |
| C35                 | 1-114-386-11 s | CAP, NIOBIUM ELECT 100MF 105   |
| C36                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C37                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C38                 | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C39                 | 1-116-118-11 s | CAP, ELECT 47MF 105            |
| C40                 | 1-114-386-11 s | CAP, NIOBIUM ELECT 100MF 105   |
| C41                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C42                 | 1-114-386-11 s | CAP, NIOBIUM ELECT 100MF 105   |
| C43                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C44                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C45                 | 1-131-661-21 s | CAP, CHIP ELECT 100MF(6.3X5.7) |
| C46                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C47                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C48                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C49                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C50                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C51                 | 1-162-927-91 s | CAP, CERAMIC 100PF CH 1608     |
| C52                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C53                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C54                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C55                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C57                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C58                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C59                 | 1-112-916-11 s | CAP, NIOBIUM ELECT 47MF 105    |
| C60                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C61                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C62                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C63                 | 1-162-927-91 s | CAP, CERAMIC 100PF CH 1608     |
| C64                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C66                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C67                 | 1-112-916-11 s | CAP, NIOBIUM ELECT 47MF 105    |
| C68                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C69                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C70                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C71                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C72                 | 1-114-728-91 o | CAP, CERAMIC 22MF B 3216       |
| C73                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C75                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C77                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C78                 | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C79                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C80                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C81                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C82                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C83                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C84                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |

**DR-657S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C85                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C86                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C87                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C88                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C89                 | 1-165-884-91 s | CAP, CERAMIC 2.2MF (1608)      |
| C90                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C91                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C92                 | 1-100-966-91 s | CAP, CERAMIC 10MF C (2012)     |
| C93                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C94                 | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C96                 | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C97                 | 1-126-398-21 s | CAP, CHIP ELECT 4.7MF (4X5.7)  |
| C98                 | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C100                | 1-126-398-21 s | CAP, CHIP ELECT 4.7MF (4X5.7)  |
| C101                | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C102                | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C116                | 1-162-927-91 s | CAP, CERAMIC 100PF CH 1608     |
| C117                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C118                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C119                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C120                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C121                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C123                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C125                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C126                | 1-114-549-11 s | CAP, NIOBIUM ELECT 47UF        |
| C129                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C130                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C131                | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C132                | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C133                | 1-114-549-11 s | CAP, NIOBIUM ELECT 47UF        |
| CN1                 | 1-778-451-31 s | CONNECTOR, FFC/FPC(ZIF) AN 50P |
| CN2                 | 1-764-441-51 s | CONNECTOR, FPC 30P             |
| CN3                 | 1-785-900-21 s | CONNECTOR 5P                   |
| D1                  | 6-503-494-01 s | DI DA6J101K0R                  |
| D2                  | 6-503-494-01 s | DI DA6J101K0R                  |
| D3                  | 6-503-235-01 s | DI DA3J101F0L                  |
| D4                  | 8-719-210-46 s | DIODE EC10QS-06-TE12L          |
| D5                  | 6-503-494-01 s | DI DA6J101K0R                  |
| D6                  | 6-503-494-01 s | DI DA6J101K0R                  |
| D7                  | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D8                  | 6-503-494-01 s | DI DA6J101K0R                  |
| D9                  | 6-503-494-01 s | DI DA6J101K0R                  |
| D10                 | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D11                 | 6-503-494-01 s | DI DA6J101K0R                  |
| D12                 | 6-503-494-01 s | DI DA6J101K0R                  |
| D13                 | 6-503-235-01 s | DI DA3J101F0L                  |
| D14                 | 6-503-235-01 s | DI DA3J101F0L                  |
| D15                 | 8-719-069-28 s | DI 1SS400FJTE61                |
| D16                 | 8-719-069-28 s | DI 1SS400FJTE61                |
| ET1                 | 1-780-627-11 s | TERMINAL, LUG                  |
| ET2                 | 1-780-627-11 s | TERMINAL, LUG                  |
| ET3                 | 1-780-627-11 s | TERMINAL, LUG                  |
| ET4                 | 1-780-627-11 s | TERMINAL, LUG                  |
| FB4                 | 1-400-832-21 s | SMD EMI FERRITE                |
| IC1                 | 8-759-549-20 s | IC SN74LV541APWR               |
| IC2                 | 6-704-976-01 s | IC ADR381ARTZ-REEL7            |
| IC3                 | 6-711-852-01 s | IC LTC1844ES5-BYP              |
| IC4                 | 8-759-573-97 s | IC SN74LVC541APWR              |
| IC5                 | 8-759-327-01 s | IC NJM062V(Te2)                |
| IC6                 | 8-759-573-97 s | IC SN74LVC541APWR              |
| IC7                 | 6-711-375-01 s | IC LT1964ES5-BYP#TR            |
| IC8                 | 8-759-573-97 s | IC SN74LVC541APWR              |
| IC10                | 8-759-327-01 s | IC NJM062V(Te2)                |

**DR-657S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description              |
|---------------------|----------------|-----------------------------|
| IC11                | 8-759-327-01 s | IC NJM062V(Te2)             |
| IC12                | 8-759-327-01 s | IC NJM062V(Te2)             |
| IC13                | 8-759-327-01 s | IC NJM062V(Te2)             |
| IC14                | 8-759-573-97 s | IC SN74LVC541APWR           |
| IC15                | 6-708-326-01 s | IC TC74HCT4053AFT(EL)       |
| IC16                | 8-759-672-76 s | IC AK9813BF-E2              |
| IC17                | 6-704-099-01 s | IC TC7WZ08FK                |
| IC028               | 6-718-319-01 s | IC ADS7830IPWR              |
| IC029               | 6-710-210-01 s | IC TPS73101DBVRG4           |
| IC30                | 6-708-326-01 s | IC TC74HCT4053AFT(EL)       |
| L1                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH        |
| L2                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH        |
| Q1                  | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L   |
| Q2                  | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L   |
| Q3                  | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q4                  | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L   |
| Q5                  | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L   |
| Q6                  | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L   |
| Q7                  | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q8                  | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L   |
| Q9                  | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q10                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q11                 | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q   |
| Q12                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q13                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q14                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q15                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q16                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q17                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q18                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q19                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q20                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q21                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q22                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q23                 | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L   |
| Q24                 | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q   |
| Q25                 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q26                 | 6-550-632-01 s | TRANSISTOR 2SC4672-T100-Q   |
| Q27                 | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q   |
| Q28                 | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q   |
| Q29                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q30                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q31                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q32                 | 8-729-053-12 s | TRANSISTOR FDC6506P         |
| Q33                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q34                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q35                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q36                 | 8-729-053-11 s | TRANSISTOR FDC6561AN        |
| Q37                 | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L   |
| Q38                 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q39                 | 8-729-107-04 s | TRANSISTOR 2SB1115-T1YL     |
| Q40                 | 8-729-015-48 s | TRANSISTOR 2SK1062 (TE85L)  |
| R1                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)       |
| R2                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)       |
| R3                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)       |
| R4                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)       |
| R5                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)       |
| R6                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)       |
| R7                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)       |
| R8                  | 1-208-911-81 s | RES, CHIP 10K (1005)        |
| R9                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)       |
| R10                 | 1-208-911-81 s | RES, CHIP 10K (1005)        |
| R11                 | 1-208-895-81 s | RES, CHIP 2.2K (1005)       |
| R12                 | 1-208-911-81 s | RES, CHIP 10K (1005)        |

**DR-657S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R13                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R14                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R15                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R16                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R17                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R18                 | 1-216-797-91 s | RES, CHIP 10 (1608)    |
| R19                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R20                 | 1-216-797-91 s | RES, CHIP 10 (1608)    |
| R21                 | 1-216-797-91 s | RES, CHIP 10 (1608)    |
| R22                 | 1-216-797-91 s | RES, CHIP 10 (1608)    |
| R23                 | 1-216-797-91 s | RES, CHIP 10 (1608)    |
| R24                 | 1-216-797-91 s | RES, CHIP 10 (1608)    |
| R25                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R26                 | 1-216-793-91 s | RES, CHIP 4.7 (1608)   |
| R27                 | 1-218-831-91 s | RES, CHIP 220 (1608)   |
| R28                 | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R29                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R30                 | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R31                 | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R32                 | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R33                 | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R34                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R35                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R36                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R37                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R38                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R39                 | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R40                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R41                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R42                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R43                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R44                 | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R45                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R46                 | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R47                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R48                 | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R50                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R51                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R52                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R53                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R54                 | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R55                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R56                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R57                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R58                 | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R59                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R63                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R64                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R65                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R66                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R67                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R69                 | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R70                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R71                 | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R72                 | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R73                 | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R75                 | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R76                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R77                 | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R94                 | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R98                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R99                 | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R100                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R101                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R114                | 1-220-870-81 s | RES, CHIP 10 (1005)    |

**DR-657S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description             |
|---------------------|----------------|----------------------------|
| R115                | 1-220-874-81 s | RES, CHIP 15 (1005)        |
| R116                | 1-220-874-81 s | RES, CHIP 15 (1005)        |
| R118                | 1-220-870-81 s | RES, CHIP 10 (1005)        |
| R119                | 1-208-887-81 s | RES, CHIP 1.0K (1005)      |
| R120                | 1-208-887-81 s | RES, CHIP 1.0K (1005)      |
| R121                | 1-208-887-81 s | RES, CHIP 1.0K (1005)      |
| R122                | 1-208-863-81 s | RES, CHIP 100 (1005)       |
| R123                | 1-208-863-81 s | RES, CHIP 100 (1005)       |
| R124                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)     |
| R126                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)     |
| R128                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)     |
| R130                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)     |
| R132                | 1-220-870-81 s | RES, CHIP 10 (1005)        |
| R136                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)     |
| R137                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)     |
| R139                | 1-216-793-91 s | RES, CHIP 4.7 (1608)       |
| R140                | 1-218-831-91 s | RES, CHIP 220 (1608)       |
| R141                | 1-208-863-81 s | RES, CHIP 100 (1005)       |
| R142                | 1-208-863-81 s | RES, CHIP 100 (1005)       |
| R143                | 1-208-911-81 s | RES, CHIP 10K (1005)       |
| R144                | 1-208-911-81 s | RES, CHIP 10K (1005)       |
| RB1                 | 1-234-370-21 s | RES, NETWORK 22 (1005X4)   |
| RB2                 | 1-234-370-21 s | RES, NETWORK 22 (1005X4)   |
| RB3                 | 1-234-381-21 s | RES, NETWORK 100K (1005X4) |
| RB4                 | 1-234-381-21 s | RES, NETWORK 100K (1005X4) |
| RB5                 | 1-234-381-21 s | RES, NETWORK 100K (1005X4) |
| RB6                 | 1-234-381-21 s | RES, NETWORK 100K (1005X4) |
| RB7                 | 1-234-375-21 s | RES, NETWORK 1K (1005X4)   |
| RB8                 | 1-234-375-21 s | RES, NETWORK 1K (1005X4)   |
| RB9                 | 1-234-375-21 s | RES, NETWORK 1K (1005X4)   |
| TP1                 | 1-780-638-22 s | CONTACT TERMINAL           |

**DR-663 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1813-088-A s | MOUNTED CIRCUIT BOARD, DR-663  |
| C1                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C3                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C4                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C5                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C6                  | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005 |
| C7                  | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C8                  | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005 |
| C9                  | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| C10                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C11                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C12                 | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005) |
| C13                 | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005) |
| C14                 | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)  |
| C15                 | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)  |
| C16                 | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C17                 | 1-100-756-91 s | CAP,CHIPCERAMIC 47000PF B 1608 |
| C18                 | 1-100-756-91 s | CAP,CHIPCERAMIC 47000PF B 1608 |
| C19                 | 1-107-819-81 s | CAP,CHIP CERAMIC 22000PF B1005 |
| C20                 | 1-107-819-81 s | CAP,CHIP CERAMIC 22000PF B1005 |
| C21                 | 1-100-565-91 s | CAP, CHIP CERAMIC 0.47MF B2012 |
| C22                 | 1-107-819-81 s | CAP,CHIP CERAMIC 22000PF B1005 |
| C23                 | 1-107-819-81 s | CAP,CHIP CERAMIC 22000PF B1005 |
| C26                 | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |

**DR-663 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C27                 | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C28                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C29                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C30                 | 1-116-045-91 s | CAP, CERAMIC 4.7MF B 2012      |
| C32                 | 1-100-565-91 s | CAP, CHIP CERAMIC 0.47MF B2012 |
| C33                 | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)  |
| C36                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C37                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C38                 | 1-112-317-11 s | CAP, CHIP CERAMIC 0.1MF (2012) |
| C39                 | 1-114-330-11 s | CAP, CERAMIC 2.2MF X7R 2012    |
| CN2                 | 1-817-317-21 s | PIN, CONNECTOR 5P              |
| CN3                 | 1-785-900-21 s | CONNECTOR 5P                   |
| CN4                 | 1-568-921-11 s | PIN, CONNECTOR 8P              |
| CN5                 | 1-770-619-21 s | PIN, CONNECTOR 2P              |
| CN6                 | 1-770-619-21 s | PIN, CONNECTOR 2P              |
| D2                  | 6-502-950-01 o | DI RB550VA-30TR                |
| D3                  | 6-502-950-01 o | DI RB550VA-30TR                |
| D4                  | 6-502-950-01 o | DI RB550VA-30TR                |
| D5                  | 6-502-950-01 o | DI RB550VA-30TR                |
| D6                  | 6-502-950-01 o | DI RB550VA-30TR                |
| D7                  | 6-502-950-01 o | DI RB550VA-30TR                |
| D8                  | 6-502-950-01 o | DI RB550VA-30TR                |
| D9                  | 6-502-950-01 o | DI RB550VA-30TR                |
| D10                 | 8-719-069-28 s | DI 1SS400FJTE61                |
| D11                 | 8-719-069-28 s | DI 1SS400FJTE61                |
| D12                 | 8-719-082-45 s | DIODE RB715W-TL                |
| E1                  | 1-535-757-21 s | CHIP, CHECKER                  |
| E2                  | 1-535-757-21 s | CHIP, CHECKER                  |
| IC2                 | 6-717-014-01 s | IC BA6951FS-E2                 |
| IC3                 | 6-717-014-01 s | IC BA6951FS-E2                 |
| IC6                 | 6-718-006-01 s | IC NJM2835DL1-12(TA1)          |
| IC7                 | 6-713-063-01 s | IC NJM2831F05(TE1)             |
| L1                  | 1-416-919-21 s | COIL, CHOKe 150UH              |
| L2                  | 1-400-793-21 s | INDUCTOR, CHIP 47UH (2518)     |
| L3                  | 1-400-793-21 s | INDUCTOR, CHIP 47UH (2518)     |
| L4                  | 1-400-793-21 s | INDUCTOR, CHIP 47UH (2518)     |
| L5                  | 1-400-793-21 s | INDUCTOR, CHIP 47UH (2518)     |
| L6                  | 1-469-553-21 s | INDUCTOR, CHIP 4.7UH (LB2016)  |
| L7                  | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016)   |
| L8                  | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH          |
| L9                  | 1-469-555-21 s | INDUCTOR, CHIP 10UH (LB2016)   |
| R2                  | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R3                  | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R5                  | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R6                  | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R7                  | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R8                  | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R9                  | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R10                 | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R11                 | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R12                 | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R19                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R20                 | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R21                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R22                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R23                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R24                 | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R25                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R26                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R27                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R28                 | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R29                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R30                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |

**DR-663 BOARD**

| Ref. No.<br>or Q'ty | Part No.         | SP Description             |
|---------------------|------------------|----------------------------|
| R31                 | 1-208-947-81 s   | RES, CHIP 330K (1005)      |
| R32                 | 1-208-911-81 s   | RES, CHIP 10K (1005)       |
| R33                 | 1-208-935-81 s   | RES, CHIP 100K (1005)      |
| R34                 | 1-208-939-81 s   | RES, CHIP 150K (1005)      |
| R36                 | 1-208-939-81 s   | RES, CHIP 150K (1005)      |
| R37                 | 1-208-935-81 s   | RES, CHIP 100K (1005)      |
| R39                 | 1-208-887-81 s   | RES, CHIP 1.0K (1005)      |
| R40                 | 1-208-887-81 s   | RES, CHIP 1.0K (1005)      |
| R41                 | 1-245-242-81 s   | RES, CHIP 1.5M (1005)      |
| R42                 | 1-245-242-81 s   | RES, CHIP 1.5M (1005)      |
| R43                 | 1-208-901-81 s   | RES, CHIP 3.9K (1005)      |
| R44                 | 1-208-883-81 s   | RES, CHIP 680 (1005)       |
| R45                 | 1-208-901-81 s   | RES, CHIP 3.9K (1005)      |
| R46                 | 1-208-883-81 s   | RES, CHIP 680 (1005)       |
| R47                 | 1-218-990-81 s   | CONDUCTOR, CHIP (1005)     |
| R48                 | 1-218-990-81 s   | CONDUCTOR, CHIP (1005)     |
| R49                 | 1-218-990-81 s   | CONDUCTOR, CHIP (1005)     |
| R50                 | 1-218-990-81 s   | CONDUCTOR, CHIP (1005)     |
| R51                 | 1-208-891-81 s   | RES, CHIP 1.5K (1005)      |
| R52                 | 1-208-891-81 s   | RES, CHIP 1.5K (1005)      |
| R54                 | 1-208-885-81 s   | RES, CHIP 820 (1005)       |
| R55                 | 1-208-885-81 s   | RES, CHIP 820 (1005)       |
| R56                 | 1-208-905-81 s   | RES, CHIP 5.6K (1005)      |
| R57                 | 1-208-898-81 s   | RES, CHIP 3.0K (1005)      |
| R58                 | 1-208-905-81 s   | RES, CHIP 5.6K (1005)      |
| R59                 | 1-208-898-81 s   | RES, CHIP 3.0K (1005)      |
| R60                 | 1-211-971-91 s   | RES, CHIP 12 (1608)        |
| R61                 | 1-211-971-91 s   | RES, CHIP 12 (1608)        |
| R62                 | 1-211-971-91 s   | RES, CHIP 12 (1608)        |
| R63                 | 1-211-971-91 s   | RES, CHIP 12 (1608)        |
| R69                 | 1-208-923-81 s   | RES, CHIP 33K (1005)       |
| R70                 | 1-208-927-81 s   | RES, CHIP 47K (1005)       |
| R71                 | 1-218-858-91 s   | RES, CHIP 3.0K (1608)      |
| R72                 | 1-218-858-91 s   | RES, CHIP 3.0K (1608)      |
| R75                 | 1-218-990-81 s   | CONDUCTOR, CHIP (1005)     |
| R76                 | 1-218-990-81 s   | CONDUCTOR, CHIP (1005)     |
| R77                 | 1-208-927-81 s   | RES, CHIP 47K (1005)       |
| R78                 | 1-208-927-81 s   | RES, CHIP 47K (1005)       |
| R79                 | 1-216-864-91 s   | CONDUCTOR, CHIP (1608)     |
| R80                 | 1-220-878-81 s   | RES, CHIP 22 (1005)        |
| R82                 | 1-208-927-81 s   | RES, CHIP 47K (1005)       |
| R85                 | 1-208-927-81 s   | RES, CHIP 47K (1005)       |
| RB1                 | 1-234-380-21 s   | RES, NETWORK 47K (1005X4)  |
| RB2                 | 1-234-377-21 s   | RES, NETWORK 4.7K (1005X4) |
| RB3                 | 1-234-377-21 s   | RES, NETWORK 4.7K (1005X4) |
| RB5                 | 1-234-380-21 s   | RES, NETWORK 47K (1005X4)  |
| S1                  | 1-692-881-41 s   | SWITCH, SLIDE              |
| S2                  | 1-786-806-13 s   | SWITCH, TACT (WITH LED)    |
| TH1                 | △ 1-804-503-21 s | THERMISTOR                 |

**IF-1168 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-211-A s | MOUNTED CIRCUIT BOARD, IF-1168 |
| C1                  | 1-112-916-11 s | CAP, NIOBIUM ELECT 47MF 105    |
| C2                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C3                  | 1-116-045-91 s | CAP, CERAMIC 4.7MF B 2012      |
| C5                  | 1-112-916-11 s | CAP, NIOBIUM ELECT 47MF 105    |
| C6                  | 1-112-916-11 s | CAP, NIOBIUM ELECT 47MF 105    |
| C7                  | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |

**IF-1168 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C8                  | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C9                  | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C10                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C11                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C12                 | 1-112-915-11 s | CAP, NIOBIUM ELECT 22MF 105    |
| C13                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C14                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C15                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C16                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C17                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C18                 | 1-112-915-11 s | CAP, NIOBIUM ELECT 22MF 105    |
| C19                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C20                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C21                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C22                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C23                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C24                 | 1-112-915-11 s | CAP, NIOBIUM ELECT 22MF 105    |
| C25                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| CN1                 | 1-774-391-21 o | CONNECTOR, BOARD TO BOARD 60P  |
| CN2                 | 1-778-451-31 s | CONNECTOR, FFC/FPC(ZIF) AN 50P |
| CN3                 | 1-778-451-31 s | CONNECTOR, FFC/FPC(ZIF) AN 50P |
| CN4                 | 1-778-451-31 s | CONNECTOR, FFC/FPC(ZIF) AN 50P |
| ET1                 | 1-780-627-11 s | TERMINAL, LUG                  |
| ET2                 | 1-780-627-11 s | TERMINAL, LUG                  |
| R010                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R011                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R012                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R013                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R014                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R015                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R016                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R017                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R018                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R019                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R021                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R022                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R023                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R024                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R025                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R026                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R027                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R028                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R029                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R030                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R032                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R033                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R034                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R035                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R036                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R037                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R038                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R039                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R040                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R041                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |

**LE-376 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-024-A s | MOUNTED CIRCUIT BOARD, LE-376  |
| C1                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C2                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |

**LE-376 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| C3                  | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| CN1                 | 1-770-623-21 s | PIN, CONNECTOR 6P               |
| D1                  | 6-502-114-01 s | DI CL-375HR/HG5-D-TS            |
| D2                  | 6-502-114-01 s | DI CL-375HR/HG5-D-TS            |
| D3                  | 6-503-855-01 s | DI KA-2810ASYSK                 |
| R1                  | 1-208-879-81 s | RES, CHIP 470 (1005)            |
| R2                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)           |
| R3                  | 1-208-879-81 s | RES, CHIP 470 (1005)            |
| R4                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)           |
| R5                  | 1-208-871-81 s | RES, CHIP 220 (1005)            |
| R6                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| S1                  | 1-692-530-21 s | SWITCH, TOGGLE                  |

**MB-1179 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1860-044-A s | MOUNTED CIRCUIT BOARD, MB-1179  |
| 6pcs                | 3-729-061-02 s | SCREW (M2) (TYPE 1)             |
| C1                  | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C10                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C11                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C12                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C13                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C14                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C15                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C16                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C17                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C18                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C19                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C20                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C21                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C22                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C23                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C24                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225)  |
| C25                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C26                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| CN1                 | 1-817-318-21 s | PIN, CONNECTOR 6P               |
| CN3                 | 1-580-056-21 s | PIN, CONNECTOR (SMD) 3P         |
| CN4                 | 1-784-629-21 o | CONNECTOR, BOARD TO BOARD 30P   |
| CN5                 | 1-779-772-21 s | CONNECTOR 13P                   |
| CN6                 | 1-785-946-21 s | CONNECTOR 3P                    |
| CN7                 | 1-785-125-21 s | CONNECTOR 6P                    |
| CN8                 | 1-793-807-21 o | PIN, CONNECTOR (WITH PWB) 20P   |
| CN9                 | 1-691-550-21 s | PIN, CONNECTOR (1.5MM) (SMD) 3P |
| ET1                 | 1-780-627-11 s | TERMINAL, LUG                   |
| ET2                 | 1-780-627-11 s | TERMINAL, LUG                   |
| ET3                 | 1-780-627-11 s | TERMINAL, LUG                   |
| ET4                 | 1-780-627-11 s | TERMINAL, LUG                   |
| ET5                 | 1-780-627-11 s | TERMINAL, LUG                   |

|     |                |                 |
|-----|----------------|-----------------|
| FB1 | 1-400-832-21 s | SMD EMI FERRITE |
| FB2 | 1-400-832-21 s | SMD EMI FERRITE |
| FB3 | 1-400-832-21 s | SMD EMI FERRITE |
| FB4 | 1-400-832-21 s | SMD EMI FERRITE |
| FB5 | 1-400-832-21 s | SMD EMI FERRITE |

|     |                |                   |
|-----|----------------|-------------------|
| FB6 | 1-400-832-21 s | SMD EMI FERRITE   |
| IC2 | 6-710-020-01 s | IC CAT24C08WI-GT3 |
| L1  | 1-457-372-21 s | COIL, CHOKE 1UH   |

**MB-1179 BOARD**

| Ref. No.<br>or Q'ty | Part No.         | SP Description        |
|---------------------|------------------|-----------------------|
| L2                  | 1-414-398-41 s   | INDUCTOR (SMD) 10.0UH |
| L3                  | 1-414-398-41 s   | INDUCTOR (SMD) 10.0UH |
| L4                  | 1-414-398-41 s   | INDUCTOR (SMD) 10.0UH |
| L5                  | 1-414-392-41 s   | INDUCTOR (SMD) 1.0UH  |
| L6                  | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L7                  | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L8                  | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L9                  | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L10                 | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L11                 | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L12                 | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L13                 | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L14                 | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L16                 | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L17                 | 1-457-372-21 s   | COIL, CHOKE 1UH       |
| L18                 | 1-414-398-41 s   | INDUCTOR (SMD) 10.0UH |
| L19                 | 1-414-398-41 s   | INDUCTOR (SMD) 10.0UH |
| THP1                | △ 1-811-201-11 s | THERMISTOR, POSITIVE  |
| THP3                | △ 1-811-201-11 s | THERMISTOR, POSITIVE  |
| THP4                | △ 1-811-201-11 s | THERMISTOR, POSITIVE  |
| THP5                | △ 1-803-615-21 s | THERMISTOR, POSITIVE  |

**PA-388S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1896-072-A s | MOUNTED CIRCUIT BOARD, PA-388S |
| C1                  | 1-116-346-11 s | CAP, ELECT 47MF 105            |
| C5                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C6                  | 1-164-860-81 s | CAP, CHIP CERAMIC 27PF CH 1005 |
| C7                  | 1-100-670-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C8                  | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005 |
| C9                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C10                 | 1-164-860-81 s | CAP, CHIP CERAMIC 27PF CH 1005 |
| C11                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C12                 | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005 |
| C13                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C16                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C17                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C18                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C19                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C20                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C22                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C23                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C24                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C25                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C26                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C27                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C28                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C29                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C30                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C31                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C33                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C34                 | 1-116-486-21 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C35                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C36                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C37                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C38                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C39                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C40                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C41                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |

**PA-388S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C44                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C45                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C46                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C47                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C48                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C49                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C50                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C51                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C54                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C55                 | 1-114-728-91 o | CAP, CERAMIC 22MF B 3216       |
| C56                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C57                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C58                 | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C59                 | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C66                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C71                 | 1-164-860-81 s | CAP, CHIP CERAMIC 27PF CH 1005 |
| C72                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C73                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C74                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C75                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C76                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C77                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C78                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C79                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C80                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C104                | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C105                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C106                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C110                | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C111                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C112                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C113                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C118                | 1-100-966-91 s | CAP, CERAMIC 10MF C (2012)     |
| C119                | 1-100-966-91 s | CAP, CERAMIC 10MF C (2012)     |
| C120                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C121                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C122                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C123                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C124                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C125                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C126                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C127                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C128                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C129                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C130                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C131                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C132                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C133                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C134                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C135                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C136                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C137                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C138                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C139                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C142                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C143                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C144                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C145                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C146                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C147                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C148                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C149                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C150                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C151                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C152                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |

**PA-388S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C153                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C154                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C155                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C156                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C157                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C160                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| CN1                 | 1-778-652-31 s | CONNECTOR, FFC (ZIF) 50P       |
| CN2                 | 1-778-652-31 s | CONNECTOR, FFC (ZIF) 50P       |
| D1                  | 8-719-210-46 s | DIODE EC10QS-06-TE12L          |
| D3                  | 6-503-363-01 s | DI DB2S31400K8                 |
| D4                  | 6-503-363-01 s | DI DB2S31400K8                 |
| D5                  | 6-503-316-01 s | DI DA3J103E0L                  |
| D6                  | 6-503-316-01 s | DI DA3J103E0L                  |
| D8                  | 8-719-056-48 s | DI 1SS388                      |
| D9                  | 8-719-056-48 s | DI 1SS388                      |
| FB1                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB2                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB3                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB4                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB5                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB6                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| IC1                 | 8-759-346-27 s | IC LM45BIM3X                   |
| IC2                 | 8-759-523-35 s | IC TC74ACT02FT (EL)            |
| IC3                 | 8-759-086-98 s | IC TC74ACT04F-EL               |
| IC5                 | 8-759-523-36 s | IC TC74ACT04FT (EL)            |
| IC6                 | 8-759-523-39 s | IC TC74ACT32FT (EL)            |
| IC101               | 6-706-863-01 s | IC LMH6732MFX/NOPB             |
| IC102               | 6-706-863-01 s | IC LMH6732MFX/NOPB             |
| IC104               | 8-753-240-64 s | IC CXA3647CR-T4                |
| IC105               | 8-753-240-64 s | IC CXA3647CR-T4                |
| L1                  | 1-412-927-21 s | INDUCTOR 0.10UH (2520)         |
| L2                  | 1-412-927-21 s | INDUCTOR 0.10UH (2520)         |
| L3                  | 1-412-935-21 s | INDUCTOR 0.47UH (2520)         |
| L101                | 1-469-551-21 s | INDUCTOR, CHIP 2.2UH (LB2016)  |
| L102                | 1-469-551-21 s | INDUCTOR, CHIP 2.2UH (LB2016)  |
| Q1                  | 8-729-015-48 s | TRANSISTOR 2SK1062 (TE85L)     |
| Q12                 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR    |
| Q13                 | 8-729-140-67 s | TRANSISTOR 2SC4177-T1L5L6      |
| Q14                 | 8-729-053-11 s | TRANSISTOR FDC6561AN           |
| R1                  | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R2                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R4                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R5                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R6                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R8                  | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R9                  | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R10                 | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R11                 | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R12                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R17                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R18                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R19                 | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R20                 | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R21                 | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R22                 | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R23                 | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R24                 | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R25                 | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R26                 | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R27                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R28                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R29                 | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R30                 | 1-208-911-81 s | RES, CHIP 10K (1005)           |

**PA-388S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R31                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R32                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R33                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R37                 | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R40                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R41                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R46                 | 1-208-931-81 s | RES, CHIP 68K (1005)   |
| R47                 | 1-208-931-81 s | RES, CHIP 68K (1005)   |
| R53                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R54                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R56                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R63                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R65                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R66                 | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R67                 | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R68                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R70                 | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R74                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R75                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R79                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R80                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R82                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R83                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R84                 | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R85                 | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R86                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R87                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R88                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R89                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R90                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R91                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R92                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R93                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R101                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R104                | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R107                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R108                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R109                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R110                | 1-208-931-81 s | RES, CHIP 68K (1005)   |
| R111                | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R112                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R117                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R118                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R119                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R130                | 1-208-931-81 s | RES, CHIP 68K (1005)   |
| R131                | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R132                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R152                | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R161                | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R162                | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R163                | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R164                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R165                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R166                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R167                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |

**PA-389S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1896-073-A s | MOUNTED CIRCUIT BOARD, PA-389S |
| C1                  | 1-116-346-11 s | CAP, ELECT 47MF 105            |

**PA-389S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C5                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C6                  | 1-164-860-81 s | CAP, CHIP CERAMIC 27PF CH 1005 |
| C7                  | 1-100-670-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C8                  | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005 |
| C9                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C10                 | 1-164-860-81 s | CAP, CHIP CERAMIC 27PF CH 1005 |
| C11                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C12                 | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005 |
| C13                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C16                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C17                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C18                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C19                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C20                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C22                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C23                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C24                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C25                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C26                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C27                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C28                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C29                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C30                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C31                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C33                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C34                 | 1-116-486-21 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C35                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C36                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C37                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C38                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C39                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C40                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C41                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C44                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C45                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C46                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C47                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C48                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C49                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C50                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C51                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C54                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C55                 | 1-114-728-91 o | CAP, CERAMIC 22MF B 3216       |
| C56                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C57                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C58                 | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C59                 | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C66                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C71                 | 1-164-860-81 s | CAP, CHIP CERAMIC 27PF CH 1005 |
| C72                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C73                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C74                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C75                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C76                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C77                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C78                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C79                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C80                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C104                | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C105                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C106                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C110                | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C111                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C112                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C113                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |

**PA-389S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C118                | 1-100-966-91 s | CAP, CERAMIC 10MF C (2012)     |
| C119                | 1-100-966-91 s | CAP, CERAMIC 10MF C (2012)     |
| C120                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C121                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C122                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C123                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C124                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C125                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C126                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C127                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C128                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C129                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C130                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C131                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C132                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C133                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C134                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C135                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C136                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C137                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C138                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C139                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C142                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C143                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C144                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C145                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C146                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C147                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C148                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C149                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C150                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C151                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C152                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C153                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C154                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C155                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C156                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C157                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C160                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| CN1                 | 1-778-652-31 s | CONNECTOR, FFC (ZIF) 50P       |
| CN2                 | 1-778-652-31 s | CONNECTOR, FFC (ZIF) 50P       |
| D1                  | 8-719-210-46 s | DIODE EC10QS-06-TE12L          |
| D3                  | 6-503-363-01 s | DI DB2S31400K8                 |
| D4                  | 6-503-363-01 s | DI DB2S31400K8                 |
| D5                  | 6-503-316-01 s | DI DA3J103E0L                  |
| D6                  | 6-503-316-01 s | DI DA3J103E0L                  |
| D8                  | 8-719-056-48 s | DI 1SS388                      |
| D9                  | 8-719-056-48 s | DI 1SS388                      |
| FB1                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB2                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB3                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB4                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB5                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB6                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| IC1                 | 8-759-346-27 s | IC LM45BIM3X                   |
| IC2                 | 8-759-523-35 s | IC TC74ACT02FT(EL)             |
| IC3                 | 8-759-086-98 s | IC TC74ACT04F-EL               |
| IC5                 | 8-759-523-36 s | IC TC74ACT04FT(EL)             |
| IC6                 | 8-759-523-39 s | IC TC74ACT32FT(EL)             |
| IC101               | 6-706-863-01 s | IC LMH6732MFX/NOPB             |
| IC102               | 6-706-863-01 s | IC LMH6732MFX/NOPB             |
| IC104               | 8-753-240-64 s | IC CXA3647CR-T4                |
| IC105               | 8-753-240-64 s | IC CXA3647CR-T4                |



**PA-389S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                |
|---------------------|----------------|-------------------------------|
| L1                  | 1-412-927-21 s | INDUCTOR 0.10UH (2520)        |
| L2                  | 1-412-927-21 s | INDUCTOR 0.10UH (2520)        |
| L3                  | 1-412-935-21 s | INDUCTOR 0.47UH (2520)        |
| L101                | 1-469-551-21 s | INDUCTOR, CHIP 2.2UH (LB2016) |
| L102                | 1-469-551-21 s | INDUCTOR, CHIP 2.2UH (LB2016) |
| Q1                  | 8-729-015-48 s | TRANSISTOR 2SK1062 (TE85L)    |
| Q12                 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR   |
| Q13                 | 8-729-140-67 s | TRANSISTOR 2SC4177-T1L5L6     |
| Q14                 | 8-729-053-11 s | TRANSISTOR FDC6561AN          |
| R1                  | 1-208-855-81 s | RES, CHIP 47 (1005)           |
| R2                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R4                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R5                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R6                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R8                  | 1-208-935-81 s | RES, CHIP 100K (1005)         |
| R9                  | 1-208-911-81 s | RES, CHIP 10K (1005)          |
| R10                 | 1-208-911-81 s | RES, CHIP 10K (1005)          |
| R11                 | 1-208-899-81 s | RES, CHIP 3.3K (1005)         |
| R12                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)         |
| R17                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R18                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R19                 | 1-208-919-81 s | RES, CHIP 22K (1005)          |
| R20                 | 1-208-911-81 s | RES, CHIP 10K (1005)          |
| R21                 | 1-208-935-81 s | RES, CHIP 100K (1005)         |
| R22                 | 1-208-935-81 s | RES, CHIP 100K (1005)         |
| R23                 | 1-208-959-81 s | RES, CHIP 1M (1005)           |
| R24                 | 1-208-863-81 s | RES, CHIP 100 (1005)          |
| R25                 | 1-208-959-81 s | RES, CHIP 1M (1005)           |
| R26                 | 1-208-855-81 s | RES, CHIP 47 (1005)           |
| R27                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)         |
| R28                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)         |
| R29                 | 1-208-919-81 s | RES, CHIP 22K (1005)          |
| R30                 | 1-208-911-81 s | RES, CHIP 10K (1005)          |
| R31                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)         |
| R32                 | 1-208-911-81 s | RES, CHIP 10K (1005)          |
| R33                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R37                 | 1-208-935-81 s | RES, CHIP 100K (1005)         |
| R40                 | 1-220-878-81 s | RES, CHIP 22 (1005)           |
| R41                 | 1-220-878-81 s | RES, CHIP 22 (1005)           |
| R46                 | 1-208-931-81 s | RES, CHIP 68K (1005)          |
| R47                 | 1-208-931-81 s | RES, CHIP 68K (1005)          |
| R53                 | 1-220-878-81 s | RES, CHIP 22 (1005)           |
| R54                 | 1-220-878-81 s | RES, CHIP 22 (1005)           |
| R56                 | 1-220-878-81 s | RES, CHIP 22 (1005)           |
| R63                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R65                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)         |
| R66                 | 1-208-927-81 s | RES, CHIP 47K (1005)          |
| R67                 | 1-208-927-81 s | RES, CHIP 47K (1005)          |
| R68                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)         |
| R70                 | 1-208-927-81 s | RES, CHIP 47K (1005)          |
| R74                 | 1-208-871-81 s | RES, CHIP 220 (1005)          |
| R75                 | 1-208-871-81 s | RES, CHIP 220 (1005)          |
| R79                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R80                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R82                 | 1-208-911-81 s | RES, CHIP 10K (1005)          |
| R83                 | 1-208-911-81 s | RES, CHIP 10K (1005)          |
| R84                 | 1-208-935-81 s | RES, CHIP 100K (1005)         |
| R85                 | 1-208-935-81 s | RES, CHIP 100K (1005)         |
| R86                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R87                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R88                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R89                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)        |
| R90                 | 1-208-871-81 s | RES, CHIP 220 (1005)          |
| R91                 | 1-208-871-81 s | RES, CHIP 220 (1005)          |
| R92                 | 1-208-871-81 s | RES, CHIP 220 (1005)          |

**PA-389S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R93                 | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R101                | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R104                | 1-208-875-81 s | RES, CHIP 330 (1005)  |
| R107                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R108                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R109                | 1-208-883-81 s | RES, CHIP 680 (1005)  |
| R110                | 1-208-931-81 s | RES, CHIP 68K (1005)  |
| R111                | 1-208-859-81 s | RES, CHIP 68 (1005)   |
| R112                | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R117                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R118                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R119                | 1-208-883-81 s | RES, CHIP 680 (1005)  |
| R130                | 1-208-931-81 s | RES, CHIP 68K (1005)  |
| R131                | 1-208-859-81 s | RES, CHIP 68 (1005)   |
| R132                | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R152                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R161                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R162                | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R163                | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R164                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R165                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R166                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R167                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |

**PA-390S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1896-068-A s | MOUNTED CIRCUIT BOARD, PA-390S  |
| C1                  | 1-116-346-11 s | CAP, ELECT 47MF 105             |
| C5                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C6                  | 1-164-860-81 s | CAP, CHIP CERAMIC 27PF CH 1005  |
| C7                  | 1-100-670-91 s | CAP, CERAMIC 4.7MF C (2012)     |
| C8                  | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005  |
| C9                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C10                 | 1-164-860-81 s | CAP, CHIP CERAMIC 27PF CH 1005  |
| C11                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C12                 | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005  |
| C13                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C16                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)     |
| C17                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)     |
| C18                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)     |
| C19                 | 1-100-503-91 s | CAP, CERAMIC 4.7MF C (2012)     |
| C20                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)      |
| C22                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C23                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)      |
| C24                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C25                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C26                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C27                 | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)      |
| C28                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R            |
| C29                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R            |
| C30                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R            |
| C31                 | 1-114-507-11 s | CAP, CERAMIC 1UF X7R            |
| C33                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C34                 | 1-116-486-21 s | CAP, CHIP CERAMIC 47MF B 3225   |
| C35                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C36                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C37                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |
| C38                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216  |
| C39                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C40                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C41                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |

**PA-390S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C44                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C45                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C46                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C47                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C48                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C49                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C50                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C51                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C54                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C55                 | 1-114-728-91 o | CAP, CERAMIC 22MF B 3216       |
| C56                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C57                 | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C58                 | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C59                 | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C66                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C71                 | 1-164-860-81 s | CAP, CHIP CERAMIC 27PF CH 1005 |
| C72                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C73                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C74                 | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C75                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C76                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C77                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C78                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C79                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C80                 | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C104                | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C105                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C106                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C110                | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C111                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C112                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C113                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C118                | 1-100-966-91 s | CAP, CERAMIC 10MF C (2012)     |
| C119                | 1-100-966-91 s | CAP, CERAMIC 10MF C (2012)     |
| C120                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C121                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C122                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C123                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C124                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C125                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C126                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C127                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C128                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C129                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C130                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C131                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C132                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C133                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C134                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C135                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C136                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C137                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C138                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C139                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C142                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C143                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C144                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C145                | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C146                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C147                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C148                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C149                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C150                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C151                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C152                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |

**PA-390S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C153                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C154                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C155                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C156                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C157                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C160                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| CN1                 | 1-778-652-31 s | CONNECTOR, FFC (ZIF) 50P       |
| CN2                 | 1-778-652-31 s | CONNECTOR, FFC (ZIF) 50P       |
| D1                  | 8-719-210-46 s | DIODE EC10QS-06-TE12L          |
| D3                  | 6-503-363-01 s | DI DB2S31400K8                 |
| D4                  | 6-503-363-01 s | DI DB2S31400K8                 |
| D5                  | 6-503-316-01 s | DI DA3J103E0L                  |
| D6                  | 6-503-316-01 s | DI DA3J103E0L                  |
| D7                  | 8-719-056-48 s | DI 1SS388                      |
| D8                  | 8-719-056-48 s | DI 1SS388                      |
| FB1                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB2                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB3                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB4                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB5                 | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| FB6                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| IC1                 | 8-759-346-27 s | IC LM45BIM3X                   |
| IC2                 | 8-759-523-35 s | IC TC74ACT02FT(EL)             |
| IC3                 | 8-759-086-98 s | IC TC74ACT04F-EL               |
| IC5                 | 8-759-523-36 s | IC TC74ACT04FT(EL)             |
| IC6                 | 8-759-523-39 s | IC TC74ACT32FT(EL)             |
| IC101               | 6-706-863-01 s | IC LMH6732MFX/NOPB             |
| IC102               | 6-706-863-01 s | IC LMH6732MFX/NOPB             |
| IC104               | 8-753-240-64 s | IC CXA3647CR-T4                |
| IC105               | 8-753-240-64 s | IC CXA3647CR-T4                |
| L1                  | 1-412-927-21 s | INDUCTOR 0.10UH (2520)         |
| L2                  | 1-412-927-21 s | INDUCTOR 0.10UH (2520)         |
| L3                  | 1-412-935-21 s | INDUCTOR 0.47UH (2520)         |
| L101                | 1-469-551-21 s | INDUCTOR, CHIP 2.2UH (LB2016)  |
| L102                | 1-469-551-21 s | INDUCTOR, CHIP 2.2UH (LB2016)  |
| Q1                  | 8-729-015-48 s | TRANSISTOR 2SK1062 (TE85L)     |
| Q12                 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR    |
| Q13                 | 8-729-140-67 s | TRANSISTOR 2SC4177-T1L5L6      |
| Q14                 | 8-729-053-11 s | TRANSISTOR FDC6561AN           |
| R1                  | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R2                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R4                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R5                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R6                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R8                  | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R9                  | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R10                 | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R11                 | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R12                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R17                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R18                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R19                 | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R20                 | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R21                 | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R22                 | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R23                 | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R24                 | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R25                 | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R26                 | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R27                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R28                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R29                 | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R30                 | 1-208-911-81 s | RES, CHIP 10K (1005)           |

**PA-390S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R31                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R32                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R33                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R37                 | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R40                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R41                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R46                 | 1-208-931-81 s | RES, CHIP 68K (1005)   |
| R47                 | 1-208-931-81 s | RES, CHIP 68K (1005)   |
| R53                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R54                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R56                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R63                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R65                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R66                 | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R67                 | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R68                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R70                 | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R74                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R75                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R79                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R80                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R82                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R83                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R84                 | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R85                 | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R86                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R87                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R88                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R89                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R90                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R91                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R92                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R93                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R101                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R104                | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R107                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R108                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R109                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R110                | 1-208-931-81 s | RES, CHIP 68K (1005)   |
| R111                | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R112                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R117                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R118                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R119                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R130                | 1-208-931-81 s | RES, CHIP 68K (1005)   |
| R131                | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R132                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R152                | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R161                | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R162                | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R163                | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R164                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R165                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R166                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R167                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |

**PS-836 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                |
|---------------------|----------------|-------------------------------|
| 1pc                 | A-1860-206-A s | MOUNTED CIRCUIT BOARD, PS-836 |
| 1pc                 | 4-382-854-01 s | SCREW (M3X8), P, SW (+)       |

**PS-836 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | 4-415-286-01 s | SHEET, RADIATION               |
| C101                | 1-114-595-11 s | CAP, PP FILM (ACROSS) 0.47MF   |
| C102                | 1-118-163-11 s | CAP, CERAMIC 0.1MF X7R (5750)  |
| C103                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C104                | 1-113-903-51 s | CAP, CERAMIC 1000PF E          |
| C105                | 1-113-903-51 s | CAP, CERAMIC 1000PF E          |
| C106                | 1-118-164-11 s | CAP, CERAMIC 0.22MF X7R (5750) |
| C108                | 1-118-164-11 s | CAP, CERAMIC 0.22MF X7R (5750) |
| C109                | 1-118-164-11 s | CAP, CERAMIC 0.22MF X7R (5750) |
| C110                | 1-116-445-31 s | CAP, ELECT 100MF               |
| C111                | 1-112-798-11 s | CAP, ELECT 10MF                |
| C112                | 1-112-800-11 s | CAP, ELECT 100MF               |
| C114                | 1-114-479-91 s | CAP, CERAMIC 2.2UF B 3225      |
| C115                | 1-115-416-91 s | CAP,CHIP CERAMIC1000PF CH 1608 |
| C116                | 1-112-679-21 s | CAP,CERAMIC 2200PF B (3216)    |
| C119                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C120                | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C121                | 1-112-798-11 s | CAP, ELECT 10MF                |
| C122                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C164                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C167                | 1-164-315-91 s | CAP, CERAMIC 470PF CH (1608)   |
| C168                | 1-164-315-91 s | CAP, CERAMIC 470PF CH (1608)   |
| C169                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C170                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C171                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C172                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C173                | 1-100-880-91 s | CAP, CERAMIC 100MF C (3225)    |
| C174                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C175                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C177                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C202                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C203                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C204                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C205                | 1-116-402-11 s | CAP,CERAMIC 0.33MF X7R 1608    |
| C207                | 1-112-800-11 s | CAP, ELECT 100MF               |
| C208                | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C212                | 1-118-125-11 s | CAP, CERAMIC 0.1MF X7R         |
| C214                | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C215                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C216                | 1-116-857-91 s | CAP, CERAMIC 0.22MF B (2012)   |
| C1002               | 1-118-123-11 s | CAP, ELECT 180MF               |
| C1003               | 1-114-326-11 s | CAP, CERAMIC 0.22MF X7R 1608   |
| C1004               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C1005               | 1-115-416-91 s | CAP,CHIP CERAMIC1000PF CH 1608 |
| C1007               | 1-112-800-11 s | CAP, ELECT 100MF               |
| C1009               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C1010               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C1012               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C1013               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C1014               | 1-114-326-11 s | CAP, CERAMIC 0.22MF X7R 1608   |
| C1016               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C1019               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C2014               | 1-162-970-91 s | CAP, CERAMIC 0.01MF B 1608     |
| C2016               | 1-164-230-91 s | CAP,CERAMIC 220PF CH 1608      |
| C2017               | 1-164-315-91 s | CAP, CERAMIC 470PF CH (1608)   |
| C2018               | 1-115-416-91 s | CAP,CHIP CERAMIC1000PF CH 1608 |
| C2019               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C2020               | 1-118-123-11 s | CAP, ELECT 180MF               |
| C2021               | 1-118-123-11 s | CAP, ELECT 180MF               |
| C2022               | 1-128-954-31 s | CAP, ELECT 1000MF              |
| C2023               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C2033               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C2034               | 1-100-591-91 s | CAP, CHIP CERAMIC 1MF B 2012   |
| C3002               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C3005               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |

**PS-836 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| C3007               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C3008               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C3009               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C3011               | 1-162-970-91 s | CAP, CERAMIC 0.01MF B 1608      |
| C3012               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C3015               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C3016               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C3017               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C3021               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C3022               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C3023               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C3024               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C3025               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C3027               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C3028               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C3029               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C3033               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C3034               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C3035               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C3036               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C3037               | 1-114-983-91 s | CAP, CHIP CERAMIC 2.2MF B 1608  |
| C3038               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C3040               | 1-114-983-91 s | CAP, CHIP CERAMIC 2.2MF B 1608  |
| C3041               | 1-116-099-11 s | CAP, ELECT 100MF 105            |
| C3042               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C3043               | 1-116-857-91 s | CAP, CERAMIC 0.22MF B (2012)    |
| C3044               | 1-116-857-91 s | CAP, CERAMIC 0.22MF B (2012)    |
| C3045               | 1-116-857-91 s | CAP, CERAMIC 0.22MF B (2012)    |
| C3046               | 1-114-983-91 s | CAP, CHIP CERAMIC 2.2MF B 1608  |
| C3047               | 1-116-099-11 s | CAP, ELECT 100MF 105            |
| C4005               | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)    |
| C4006               | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005    |
| C4007               | 1-164-230-91 s | CAP,CERAMIC 220PF CH 1608       |
| C4010               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C4011               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C4015               | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005  |
| C4016               | 1-100-591-91 s | CAP, CHIP CERAMIC 1MF B 2012    |
| C4017               | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005  |
| C4021               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C4022               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C4024               | 1-100-966-91 s | CAP, CERAMIC 10MF C (2012)      |
| C4030               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C4032               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C4040               | 1-112-691-11 s | CAP, CERAMIC 22MF R 3225        |
| C4047               | 1-116-347-11 s | CAP, ELECT 150MF 105            |
| C4049               | 1-100-591-91 s | CAP, CHIP CERAMIC 1MF B 2012    |
| C4050               | 1-100-591-91 s | CAP, CHIP CERAMIC 1MF B 2012    |
| C4054               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C4055               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C4056               | 1-116-347-11 s | CAP, ELECT 150MF 105            |
| C4057               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C4059               | 1-112-691-11 s | CAP, CERAMIC 22MF R 3225        |
| C4060               | 1-112-691-11 s | CAP, CERAMIC 22MF R 3225        |
| C4061               | 1-112-691-11 s | CAP, CERAMIC 22MF R 3225        |
| C4062               | 1-112-691-11 s | CAP, CERAMIC 22MF R 3225        |
| C4063               | 1-112-691-11 s | CAP, CERAMIC 22MF R 3225        |
| C4064               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C4065               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C5001               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5002               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5003               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5004               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C5005               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C5006               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C5007               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |

**PS-836 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| C5008               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5009               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5010               | 1-100-591-91 s | CAP, CHIP CERAMIC 1MF B 2012    |
| C5011               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5012               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5013               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5014               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5015               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5016               | 1-162-970-91 s | CAP, CERAMIC 0.01MF B 1608      |
| C5017               | 1-162-970-91 s | CAP, CERAMIC 0.01MF B 1608      |
| C5018               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5019               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5020               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C5021               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5022               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5023               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5024               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5027               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5028               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C5029               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C5030               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5031               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C5032               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C5033               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C5034               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C5035               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C5036               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C5037               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C5038               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C5041               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C5042               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C5044               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C5045               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C5046               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C5047               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5048               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C5049               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5050               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5051               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5052               | 1-100-591-91 s | CAP, CHIP CERAMIC 1MF B 2012    |
| C5053               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5054               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5055               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5059               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C5060               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| CN100               | 1-691-960-11 o | PIN, CONNECTOR (PC BOARD) 3P    |
| CN101               | 1-691-960-21 s | PIN, CONNECTOR (PC BOARD) 3P    |
| CN301               | 1-580-533-11 s | PIN, CONNECTOR (PC BOARD) 8P    |
| CN5001              | 1-770-627-21 s | PIN, CONNECTOR 10P              |
| CN5004              | 1-580-532-11 o | PIN, CONNECTOR (PC BOARD) 6P    |
| CN5005              | 1-580-532-11 o | PIN, CONNECTOR (PC BOARD) 6P    |
| CN5007              | 1-843-218-11 s | CONNECTOR, BOARD TO BOARD 40P   |
| D101                | 6-503-726-01 s | DI UD8KBA80                     |
| D103                | 8-719-083-82 s | DI UDZSUSTE-1712B               |
| D104                | 6-501-124-01 s | DIODE RSX101VA-30TR             |
| D105                | 8-719-069-28 s | DI 1SS400FJTE61                 |
| D106                | 8-719-069-55 s | DI UDZSUSTE-175.6B              |
| D109                | 6-502-948-01 s | DI CMF03(TE12L,Q)               |
| D110                | 8-719-083-85 s | DI UDZSUSTE-1722B               |
| D114                | 6-501-124-01 s | DIODE RSX101VA-30TR             |
| D205                | 8-719-080-75 s | DIODE M1FL20U-4063              |
| D206                | 8-719-080-75 s | DIODE M1FL20U-4063              |
| D207                | 8-719-080-75 s | DIODE M1FL20U-4063              |
| D208                | 8-719-083-85 s | DI UDZSUSTE-1722B               |

**PS-836 BOARD**

| Ref. No.<br>or Q'ty | Part No.         | SP Description              |
|---------------------|------------------|-----------------------------|
| D209                | 8-719-083-85 s   | DI UDZSUSTE-1722B           |
| D1001               | 6-501-124-01 s   | DIODE RSX101VA-30TR         |
| D2073               | 8-719-083-66 s   | DI UDZSUSTE-1718B           |
| D2074               | 8-719-083-66 s   | DI UDZSUSTE-1718B           |
| D2075               | 8-719-083-82 s   | DI UDZSUSTE-1712B           |
| D2077               | 8-719-072-43 s   | DIODE RB050L-40TE25         |
| D2078               | 8-719-080-75 s   | DIODE M1FL20U-4063          |
| D3001               | 8-719-083-66 s   | DI UDZSUSTE-1718B           |
| D3002               | 8-719-069-57 s   | DI UDZSUSTE-176.8B          |
| D3003               | 8-719-069-60 s   | DI UDZSUSTE-179.1B          |
| D3004               | 8-719-069-60 s   | DI UDZSUSTE-179.1B          |
| D3005               | 8-719-083-66 s   | DI UDZSUSTE-1718B           |
| D3006               | 6-501-123-01 s   | DIODE RB160M-60TR           |
| D3007               | 6-501-123-01 s   | DIODE RB160M-60TR           |
| D3010               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D3011               | 8-719-069-60 s   | DI UDZSUSTE-179.1B          |
| D3012               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D3013               | 6-501-123-01 s   | DIODE RB160M-60TR           |
| D3014               | 6-501-123-01 s   | DIODE RB160M-60TR           |
| D3017               | 8-719-069-57 s   | DI UDZSUSTE-176.8B          |
| D3018               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D3019               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D3020               | 8-719-989-04 s   | DIODE DAN222-TL             |
| D3024               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D4004               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D4005               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D5001               | 8-719-083-57 s   | DI UDZSUSTE-173.6B          |
| D5004               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D5005               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D5006               | 8-719-069-28 s   | DI 1SS400FJTE61             |
| D5009               | 6-502-527-01 s   | DI UDZSUSTE-172.2B          |
| E1                  | 1-535-877-22 s   | CHIP, CHECKER               |
| E2                  | 1-535-877-22 s   | CHIP, CHECKER               |
| E3                  | 1-535-877-22 s   | CHIP, CHECKER               |
| E4                  | 1-535-877-22 s   | CHIP, CHECKER               |
| F101                | △ 1-523-190-11 s | FUSE (SMD) 6.3A (6.3A/250V) |
| F102                | △ 1-523-190-11 s | FUSE (SMD) 6.3A (6.3A/250V) |
| F3001               | △ 1-576-566-21 s | FUSE (SMD) (15A/65V)        |
| IC101               | 6-708-254-01 s   | IC BA00CCOWFP               |
| IC102               | 6-713-051-01 s   | IC STR-A6153E               |
| IC105               | 8-759-338-95 s   | IC NJM2903V (TE2)           |
| IC107               | 8-759-338-95 s   | IC NJM2903V (TE2)           |
| IC108               | 8-759-530-31 s   | IC TC74VHC4040FT (EL)       |
| IC109               | 6-705-562-01 s   | IC UPC29M33AT-E1-AZ         |
| IC201               | 6-718-312-01 s   | IC UCC2897APWR              |
| IC202               | 6-718-304-01 s   | IC IRS2118STRPBF            |
| IC1001              | 6-711-947-01 s   | IC MM1431CURE               |
| IC1003              | 8-759-598-35 s   | IC NJM2119M (TE2)           |
| IC1004              | 6-711-915-01 s   | IC LM73CIMK-0               |
| IC1005              | 6-712-373-01 s   | IC TC7SH34FU                |
| IC2005              | 6-711-947-01 s   | IC MM1431CURE               |
| IC2007              | 6-718-342-01 s   | IC ZXGD3103N8TC             |
| IC2009              | 6-711-915-01 s   | IC LM73CIMK-0               |
| IC3001              | 6-702-879-01 s   | IC R3112N281A-TR-FA         |
| IC3002              | 8-759-711-59 s   | IC NJM78L05UA-TE1           |
| IC3004              | 6-713-278-01 s   | IC MAX4374HEUB+TG069        |
| IC3005              | 6-713-278-01 s   | IC MAX4374HEUB+TG069        |
| IC3006              | 6-713-278-01 s   | IC MAX4374HEUB+TG069        |
| IC3007              | 6-713-278-01 s   | IC MAX4374HEUB+TG069        |
| IC3008              | 6-701-652-01 s   | IC MAX4374TEUB+TG069        |
| IC3009              | 6-713-278-01 s   | IC MAX4374HEUB+TG069        |
| IC3010              | 6-713-278-01 s   | IC MAX4374HEUB+TG069        |
| IC3011              | 6-713-278-01 s   | IC MAX4374HEUB+TG069        |

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| IC3012              | 6-718-336-01 s | IC LM5069MM-2                   |
| IC3013              | 6-714-214-01 s | IC NJM2884U1-33 (TE2)           |
| IC3014              | 8-759-598-35 s | IC NJM2119M (TE2)               |
| IC3015              | 6-703-976-01 s | IC R1114Q181D-TR-FA             |
| IC4009              | 8-759-338-95 s | IC NJM2903V (TE2)               |
| IC5001              | 6-707-888-01 s | IC TC74VHCT14AFT (EKJ)          |
| IC5002              | 6-707-888-01 s | IC TC74VHCT14AFT (EKJ)          |
| IC5003              | 6-707-862-01 s | IC TC74VHC05FT (EKJ)            |
| IC5005              | 6-702-879-01 s | IC R3112N281A-TR-FA             |
| IC5006              | 6-707-888-01 s | IC TC74VHCT14AFT (EKJ)          |
| IC5007              | 6-707-888-01 s | IC TC74VHCT14AFT (EKJ)          |
| IC5009              | 6-707-862-01 s | IC TC74VHC05FT (EKJ)            |
| IC5011              | 8-759-675-54 s | IC TC7W53FK (TE85R)             |
| IC5012              | 6-713-118-01 s | IC PCA9554BS-T                  |
| L101                | 1-481-967-11 s | COIL, COMMON MODE CHOKE         |
| L1001               | 1-460-379-11 s | COIL, CHOKE (SMD) 100UH         |
| L2001               | 1-481-602-11 s | BEAD, AMORPHOUS AB-SN 4X2X6SM   |
| L2002               | 1-481-602-11 s | BEAD, AMORPHOUS AB-SN 4X2X6SM   |
| L2003               | 1-481-970-11 s | COIL, CHOKE 10UH                |
| L4004               | 1-481-969-11 s | COIL, CHOKE 4.7UH               |
| L4005               | 1-481-969-11 s | COIL, CHOKE 4.7UH               |
| L4006               | 1-400-159-21 s | COIL, CHOKE 1.0UH               |
| L4007               | 1-400-159-21 s | COIL, CHOKE 1.0UH               |
| L5001               | 1-457-455-11 s | CHOKE COIL 10UH                 |
| L5002               | 1-457-455-11 s | CHOKE COIL 10UH                 |
| L5003               | 1-457-455-11 s | CHOKE COIL 10UH                 |
| L5006               | 1-456-046-21 s | COIL, CHOKE (SMD) 10UH (10X10)  |
| PH11                | 6-600-822-01 s | PHOTO COUPLER PC3HU72YIP0B      |
| PH19                | 6-600-822-01 s | PHOTO COUPLER PC3HU72YIP0B      |
| PH20                | 6-600-734-01 s | PHOTO COUPLER TLP701F (D4-TP.F) |
| PH21                | 6-600-822-01 s | PHOTO COUPLER PC3HU72YIP0B      |
| PH22                | 6-600-822-01 s | PHOTO COUPLER PC3HU72YIP0B      |
| Q104                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q105                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q109                | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L       |
| Q110                | 6-552-494-01 s | TR SI2307CDS-T1-GE3             |
| Q111                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q202                | 6-553-004-01 s | TR STB21N65M5                   |
| Q203                | 6-553-004-01 s | TR STB21N65M5                   |
| Q1102               | 6-550-750-01 s | TRANSISTOR SSM3K15FS-TE85L      |
| Q2001               | 6-552-998-01 s | TR IRFS4127TRLPBF               |
| Q2004               | 6-552-998-01 s | TR IRFS4127TRLPBF               |
| Q2010               | 6-553-001-01 s | TR IRFL4315TRPBF                |
| Q3002               | 6-551-090-01 s | TRANSISTOR FET HAT1125H-EL-E    |
| Q3003               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q3004               | 6-551-090-01 s | TRANSISTOR FET HAT1125H-EL-E    |
| Q3005               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q3007               | 6-551-090-01 s | TRANSISTOR FET HAT1125H-EL-E    |
| Q3008               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q3009               | 6-551-090-01 s | TRANSISTOR FET HAT1125H-EL-E    |
| Q3010               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q3011               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q3012               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q3013               | 6-551-090-01 s | TRANSISTOR FET HAT1125H-EL-E    |
| Q3014               | 6-551-090-01 s | TRANSISTOR FET HAT1125H-EL-E    |
| Q3015               | 6-551-090-01 s | TRANSISTOR FET HAT1125H-EL-E    |
| Q3016               | 6-550-697-01 s | TRANSISTOR HAT2164H-EL-E        |
| Q3017               | 6-550-697-01 s | TRANSISTOR HAT2164H-EL-E        |
| Q3018               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q3019               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q3020               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL          |
| Q4001               | 6-552-271-01 s | TR FDS8880                      |
| Q4002               | 6-552-271-01 s | TR FDS8880                      |
| Q4003               | 6-552-271-01 s | TR FDS8880                      |
| Q4004               | 6-552-271-01 s | TR FDS8880                      |

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|---------------------|----------------|--------------------------------|
| Q4006               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q4008               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5001               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5002               | 8-729-929-09 s | TRANSISTOR DTC123JE-TL         |
| Q5003               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5004               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5005               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5006               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5007               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5008               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5009               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5012               | 6-550-750-01 s | TRANSISTOR SSM3K15FS-TE85L     |
| Q5013               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR        |
| Q5014               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| Q5015               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR        |
| Q5016               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL         |
| R101                | 1-257-104-11 s | FIXED CHIP RESISTOR 1M (5025)  |
| R102                | 1-257-104-11 s | FIXED CHIP RESISTOR 1M (5025)  |
| R103                | 1-257-104-11 s | FIXED CHIP RESISTOR 1M (5025)  |
| R104                | 1-257-104-11 s | FIXED CHIP RESISTOR 1M (5025)  |
| R105                | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R106                | 1-218-831-91 s | RES, CHIP 220 (1608)           |
| R107                | 1-218-847-91 s | RES, CHIP 1.0K (1608)          |
| R108                | 1-218-879-91 s | RES, CHIP 22K (1608)           |
| R109                | 1-218-879-91 s | RES, CHIP 22K (1608)           |
| R110                | 1-218-855-91 s | RES, CHIP 2.2K (1608)          |
| R111                | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R112                | 1-257-075-11 s | FIXED CHIP RESISTOR 680K(3216) |
| R113                | 1-257-075-11 s | FIXED CHIP RESISTOR 680K(3216) |
| R114                | 1-257-075-11 s | FIXED CHIP RESISTOR 680K(3216) |
| R115                | 1-257-075-11 s | FIXED CHIP RESISTOR 680K(3216) |
| R116                | 1-218-879-91 s | RES, CHIP 22K (1608)           |
| R117                | 1-211-969-91 s | RES, CHIP 10 (1608)            |
| R119                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R138                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R140                | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R141                | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R142                | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R145                | 1-220-305-91 o | RES,SQUARE TYPE CHIP 22K(4532) |
| R148                | 1-218-236-91 s | RES,SQUARE TYPE CHIP 1.0(3225) |
| R149                | 1-220-305-91 o | RES,SQUARE TYPE CHIP 22K(4532) |
| R150                | 1-218-236-91 s | RES,SQUARE TYPE CHIP 1.0(3225) |
| R153                | 1-246-193-11 s | RES, SQUARE TYPE FUSE 10 1608  |
| R154                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R155                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R156                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R158                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R159                | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R160                | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R162                | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R163                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R164                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R165                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R166                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R167                | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R168                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R169                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R170                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R172                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R174                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R175                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R176                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R177                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R178                | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R179                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
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| R180                | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R181                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R182                | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R183                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R184                | 1-218-867-91 s | RES, CHIP 6.8K (1608)          |
| R185                | 1-218-895-91 s | RES, CHIP 100K (1608)          |
| R186                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R187                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R190                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R191                | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R203                | 1-218-879-91 s | RES, CHIP 22K (1608)           |
| R204                | 1-218-879-91 s | RES, CHIP 22K (1608)           |
| R205                | 1-218-895-91 s | RES, CHIP 100K (1608)          |
| R206                | 1-218-895-91 s | RES, CHIP 100K (1608)          |
| R207                | 1-218-887-91 s | RES, CHIP 47K (1608)           |
| R208                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R210                | 1-218-867-91 s | RES, CHIP 6.8K (1608)          |
| R211                | 1-218-879-91 s | RES, CHIP 22K (1608)           |
| R212                | 1-218-883-91 s | RES, CHIP 33K (1608)           |
| R213                | 1-218-879-91 s | RES, CHIP 22K (1608)           |
| R214                | 1-218-895-91 s | RES, CHIP 100K (1608)          |
| R215                | 1-218-855-91 s | RES, CHIP 2.2K (1608)          |
| R216                | 1-218-835-91 s | RES, CHIP 330 (1608)           |
| R217                | 1-257-075-11 s | FIXED CHIP RESISTOR 680K(3216) |
| R218                | 1-257-075-11 s | FIXED CHIP RESISTOR 680K(3216) |
| R221                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R222                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R223                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R224                | 1-218-855-91 s | RES, CHIP 2.2K (1608)          |
| R228                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R229                | 1-220-238-91 s | RES, SQUARE TYPE CHIP 10(3225) |
| R230                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R231                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R232                | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R233                | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R234                | 1-257-320-11 s | RES, METAL PLATE 0.05          |
| R235                | 1-257-320-11 s | RES, METAL PLATE 0.05          |
| R236                | 1-257-320-11 s | RES, METAL PLATE 0.05          |
| R237                | 1-257-320-11 s | RES, METAL PLATE 0.05          |
| R239                | 1-257-075-11 s | FIXED CHIP RESISTOR 680K(3216) |
| R240                | 1-257-075-11 s | FIXED CHIP RESISTOR 680K(3216) |
| R243                | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R244                | 1-246-193-11 s | RES, SQUARE TYPE FUSE 10 1608  |
| R245                | 1-246-193-11 s | RES, SQUARE TYPE FUSE 10 1608  |
| R246                | 1-246-193-11 s | RES, SQUARE TYPE FUSE 10 1608  |
| R247                | 1-246-193-11 s | RES, SQUARE TYPE FUSE 10 1608  |
| R1001               | 1-218-855-91 s | RES, CHIP 2.2K (1608)          |
| R1003               | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R1004               | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R1005               | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R1007               | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R1008               | 1-218-843-91 s | RES, CHIP 680 (1608)           |
| R1009               | 1-218-823-91 s | RES, CHIP 100 (1608)           |
| R1010               | 1-218-891-91 s | RES, CHIP 68K (1608)           |
| R1011               | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R1012               | 1-218-875-91 s | RES, CHIP 15K (1608)           |
| R1013               | 1-218-855-91 s | RES, CHIP 2.2K (1608)          |
| R1103               | 1-218-839-91 s | RES, CHIP 470 (1608)           |
| R1105               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R1110               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R1115               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1116               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1119               | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R1122               | 1-218-895-91 s | RES, CHIP 100K (1608)          |
| R1123               | 1-218-871-91 s | RES, CHIP 10K (1608)           |

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| R1125               | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R1126               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1128               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R1135               | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R1136               | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R1138               | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R1140               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R2001               | 1-218-867-91 s | RES, CHIP 6.8K (1608)          |
| R2003               | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R2005               | 1-218-867-91 s | RES, CHIP 6.8K (1608)          |
| R2016               | 1-257-319-91 s | RES, METAL FILM (CHIP) 3.3K    |
| R2017               | 1-257-319-91 s | RES, METAL FILM (CHIP) 3.3K    |
| R2018               | 1-257-319-91 s | RES, METAL FILM (CHIP) 3.3K    |
| R2033               | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R2034               | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R2036               | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R2038               | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R2039               | 1-218-823-91 s | RES, CHIP 100 (1608)           |
| R2040               | 1-218-891-91 s | RES, CHIP 68K (1608)           |
| R2041               | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R2042               | 1-218-875-91 s | RES, CHIP 15K (1608)           |
| R2043               | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R2044               | 1-218-859-91 s | RES, CHIP 3.3K (1608)          |
| R2075               | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R2076               | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R2080               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2083               | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R2084               | 1-218-863-91 s | RES, CHIP 4.7K (1608)          |
| R2087               | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R2088               | 1-218-859-91 s | RES, CHIP 3.3K (1608)          |
| R2089               | 1-220-305-91 o | RES,SQUARE TYPE CHIP 22K(4532) |
| R2090               | 1-220-305-91 o | RES,SQUARE TYPE CHIP 22K(4532) |
| R2091               | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2(3225) |
| R2092               | 1-220-234-91 s | RES,SQUARE TYPE CHIP 4.7(3225) |
| R2093               | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R2095               | 1-218-626-91 s | RES, METAL FILM (CHIP) 100     |
| R2096               | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R2097               | 1-218-895-91 s | RES, CHIP 100K (1608)          |
| R3001               | 1-218-895-91 s | RES, CHIP 100K (1608)          |
| R3003               | 1-218-879-91 s | RES, CHIP 22K (1608)           |
| R3004               | 1-218-887-91 s | RES, CHIP 47K (1608)           |
| R3005               | 1-218-887-91 s | RES, CHIP 47K (1608)           |
| R3006               | 1-218-875-91 s | RES, CHIP 15K (1608)           |
| R3007               | 1-218-855-91 s | RES, CHIP 2.2K (1608)          |
| R3008               | 1-218-887-91 s | RES, CHIP 47K (1608)           |
| R3009               | 1-257-322-11 s | RES, METAL PLATE CHIP 0.003    |
| R3010               | 1-218-879-91 s | RES, CHIP 22K (1608)           |
| R3011               | 1-218-887-91 s | RES, CHIP 47K (1608)           |
| R3013               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R3014               | 1-257-090-11 s | RES, METAL PLATE 0.005         |
| R3015               | 1-257-090-11 s | RES, METAL PLATE 0.005         |
| R3016               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R3017               | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R3018               | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R3019               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R3021               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R3023               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R3025               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R3026               | 1-257-090-11 s | RES, METAL PLATE 0.005         |
| R3027               | 1-257-090-11 s | RES, METAL PLATE 0.005         |
| R3028               | 1-257-090-11 s | RES, METAL PLATE 0.005         |
| R3029               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R3030               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R3031               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R3032               | 1-208-927-81 s | RES, CHIP 47K (1005)           |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description               |
|---------------------|----------------|------------------------------|
| R3033               | 1-208-915-81 s | RES, CHIP 15K (1005)         |
| R3034               | 1-208-899-81 s | RES, CHIP 3.3K (1005)        |
| R3035               | 1-208-927-81 s | RES, CHIP 47K (1005)         |
| R3036               | 1-208-903-81 s | RES, CHIP 4.7K (1005)        |
| R3037               | 1-208-907-81 s | RES, CHIP 6.8K (1005)        |
| R3038               | 1-208-927-81 s | RES, CHIP 47K (1005)         |
| R3039               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R3040               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3041               | 1-208-927-81 s | RES, CHIP 47K (1005)         |
| R3042               | 1-208-919-81 s | RES, CHIP 22K (1005)         |
| R3043               | 1-218-887-91 s | RES, CHIP 47K (1608)         |
| R3044               | 1-218-887-91 s | RES, CHIP 47K (1608)         |
| R3045               | 1-218-887-91 s | RES, CHIP 47K (1608)         |
| R3046               | 1-218-879-91 s | RES, CHIP 22K (1608)         |
| R3047               | 1-218-879-91 s | RES, CHIP 22K (1608)         |
| R3048               | 1-218-879-91 s | RES, CHIP 22K (1608)         |
| R3050               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3051               | 1-219-706-21 s | RES, CHIP (SQUARE TYPE) 0.10 |
| R3053               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3055               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3057               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3058               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R3059               | 1-257-090-11 s | RES, METAL PLATE 0.005       |
| R3060               | 1-257-090-11 s | RES, METAL PLATE 0.005       |
| R3061               | 1-257-090-11 s | RES, METAL PLATE 0.005       |
| R3062               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R3063               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3064               | 1-208-915-81 s | RES, CHIP 15K (1005)         |
| R3065               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R3066               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R3067               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R3068               | 1-208-927-81 s | RES, CHIP 47K (1005)         |
| R3069               | 1-208-915-81 s | RES, CHIP 15K (1005)         |
| R3070               | 1-208-899-81 s | RES, CHIP 3.3K (1005)        |
| R3071               | 1-208-927-81 s | RES, CHIP 47K (1005)         |
| R3072               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R3073               | 1-208-919-81 s | RES, CHIP 22K (1005)         |
| R3074               | 1-208-927-81 s | RES, CHIP 47K (1005)         |
| R3075               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R3076               | 1-208-919-81 s | RES, CHIP 22K (1005)         |
| R3077               | 1-208-931-81 s | RES, CHIP 68K (1005)         |
| R3078               | 1-218-871-91 s | RES, CHIP 10K (1608)         |
| R3079               | 1-218-871-91 s | RES, CHIP 10K (1608)         |
| R3080               | 1-218-851-91 s | RES, CHIP 1.5K (1608)        |
| R3081               | 1-218-875-91 s | RES, CHIP 15K (1608)         |
| R3082               | 1-218-831-91 s | RES, CHIP 220 (1608)         |
| R3084               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3086               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3087               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3088               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3089               | 1-208-935-81 s | RES, CHIP 100K (1005)        |
| R3090               | 1-208-935-81 s | RES, CHIP 100K (1005)        |
| R3091               | 1-208-935-81 s | RES, CHIP 100K (1005)        |
| R3092               | 1-208-919-81 s | RES, CHIP 22K (1005)         |
| R3094               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3096               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3098               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3100               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3102               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3104               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3106               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| R3108               | 1-218-867-91 s | RES, CHIP 6.8K (1608)        |
| R3109               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R4001               | 1-218-883-91 s | RES, CHIP 33K (1608)         |
| R4002               | 1-208-911-81 s | RES, CHIP 10K (1005)         |

**PS-836 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R4003               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R4004               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R4005               | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R4006               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R4007               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R4008               | 1-208-923-81 s | RES, CHIP 33K (1005)   |
| R4009               | 1-242-967-81 s | RES, CHIP 1.0 (1005)   |
| R4010               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4012               | 1-242-967-81 s | RES, CHIP 1.0 (1005)   |
| R4013               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R4014               | 1-208-939-81 s | RES, CHIP 150K (1005)  |
| R4035               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R4036               | 1-208-923-81 s | RES, CHIP 33K (1005)   |
| R4037               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R4038               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R4041               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4042               | 1-208-931-81 s | RES, CHIP 68K (1005)   |
| R4043               | 1-208-923-81 s | RES, CHIP 33K (1005)   |
| R4044               | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R4045               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R4046               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R4047               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R4048               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R4053               | 1-257-090-11 s | RES, METAL PLATE 0.005 |
| R4054               | 1-257-090-11 s | RES, METAL PLATE 0.005 |
| R4055               | 1-257-090-11 s | RES, METAL PLATE 0.005 |
| R4056               | 1-257-090-11 s | RES, METAL PLATE 0.005 |
| R4083               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4085               | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R4089               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4090               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4091               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4092               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4093               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4094               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4099               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4100               | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R4101               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4102               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4103               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R4104               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R5001               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R5002               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R5003               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R5004               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R5005               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R5006               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R5007               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R5008               | 1-218-839-91 s | RES, CHIP 470 (1608)   |
| R5010               | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R5013               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R5014               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R5017               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R5018               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R5021               | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R5023               | 1-208-923-81 s | RES, CHIP 33K (1005)   |
| R5024               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R5025               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R5026               | 1-208-923-81 s | RES, CHIP 33K (1005)   |
| R5027               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R5028               | 1-208-923-81 s | RES, CHIP 33K (1005)   |
| R5029               | 1-208-915-81 s | RES, CHIP 15K (1005)   |
| R5030               | 1-208-923-81 s | RES, CHIP 33K (1005)   |
| R5031               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R5039               | 1-208-911-81 s | RES, CHIP 10K (1005)   |

**PS-836 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description               |
|---------------------|----------------|------------------------------|
| R5040               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R5041               | 1-208-911-81 s | RES, CHIP 10K (1005)         |
| R5045               | 1-208-903-81 s | RES, CHIP 4.7K (1005)        |
| R5046               | 1-208-903-81 s | RES, CHIP 4.7K (1005)        |
| R5047               | 1-208-903-81 s | RES, CHIP 4.7K (1005)        |
| R5048               | 1-208-927-81 s | RES, CHIP 47K (1005)         |
| R5049               | 1-208-923-81 s | RES, CHIP 33K (1005)         |
| R5050               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)       |
| RB5001              | 1-234-380-21 s | RES, NETWORK 47K (1005X4)    |
| RB5002              | 1-234-380-21 s | RES, NETWORK 47K (1005X4)    |
| RB5003              | 1-234-370-21 s | RES, NETWORK 22 (1005X4)     |
| RB5004              | 1-234-380-21 s | RES, NETWORK 47K (1005X4)    |
| RB5006              | 1-234-372-21 s | RES, NETWORK 100 (1005X4)    |
| RB5007              | 1-234-372-21 s | RES, NETWORK 100 (1005X4)    |
| RB5008              | 1-234-372-21 s | RES, NETWORK 100 (1005X4)    |
| RY11                | 1-755-651-11 s | RELAY                        |
| S5001               | 1-692-270-41 s | SWITCH, SLIDE                |
| S5002               | 1-692-270-41 s | SWITCH, SLIDE                |
| T11                 | 1-445-805-21 s | TRANSFORMER, DC-DC CONVERTER |
| T23                 | 1-697-143-11 s | TRANSFORMER, DC-DC CONVERTER |
| THP101              | 1-802-108-11 s | THERMISTOR, POSITIVE         |
| TP101               | 1-458-218-11 s | SOCKET (FOR THROUGH HALL)    |
| TP102               | 1-458-218-11 s | SOCKET (FOR THROUGH HALL)    |
| TP5001              | 1-780-925-11 s | TERMINAL, LUG                |
| TP5002              | 1-780-925-11 s | TERMINAL, LUG                |
| TP5003              | 1-780-925-11 s | TERMINAL, LUG                |
| TP5004              | 1-780-925-11 s | TERMINAL, LUG                |
| X100                | 1-813-329-11 s | OSCILLATOR, CRYSTAL          |
| X5001               | 1-813-329-11 s | OSCILLATOR, CRYSTAL          |

**RE-291 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1872-945-A s | MOUNTED CIRCUIT BOARD, RE-291   |
| C6001               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C6002               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C6003               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C6004               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C6005               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C6006               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C6007               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C6008               | 1-116-113-11 s | CAP, ELECT 100MF 105            |
| C6009               | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)   |
| C6010               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C6011               | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)   |
| C6012               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C6013               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C6014               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C6015               | 1-116-113-11 s | CAP, ELECT 100MF 105            |
| C6016               | 1-116-113-11 s | CAP, ELECT 100MF 105            |
| C6017               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C6018               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C6022               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C6023               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C6024               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C6025               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B (3225) |
| C6026               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |



## RE-291 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C6027               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6031               | 1-116-173-91 s | CAP,CHIP CERAMIC 2200PF CH1608 |
| C6032               | 1-115-412-91 s | CAP,CHIP CERAMIC 680PF CH 1608 |
| C6033               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6034               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6037               | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)  |
| C6038               | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)  |
| C6039               | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)  |
| C6040               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C6041               | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)  |
| C6048               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C6050               | 1-100-671-91 s | CAP, CERAMIC 4.7MF C (3216)    |
| C6051               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6052               | 1-100-671-91 s | CAP, CERAMIC 4.7MF C (3216)    |
| C6053               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6054               | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C6055               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6056               | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C6057               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6058               | 1-116-117-11 s | CAP, ELECT 22MF 105            |
| C6059               | 1-116-117-11 s | CAP, ELECT 22MF 105            |
| C6060               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6061               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6062               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6063               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6064               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6065               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6066               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6067               | 1-164-230-91 s | CAP,CERAMIC 220PF CH 1608      |
| C6068               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6071               | 1-165-585-21 s | CAP, CHIP ELECT 47MF           |
| C6072               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6073               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6074               | 1-165-585-21 s | CAP, CHIP ELECT 47MF           |
| C6082               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6083               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6084               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6085               | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C6086               | 1-114-965-11 s | CAP, CERAMIC 4.7MF X7R (3225)  |
| C6087               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C6088               | 1-116-113-11 s | CAP, ELECT 100MF 105           |
| C6089               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6092               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C6093               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C6094               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C6095               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C6096               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| CN6001              | 1-794-225-11 o | CONNECTOR, BOARD TO BOARD 40P  |
| CN6002              | 1-793-807-21 o | PIN, CONNECTOR (WITH PWB) 20P  |
| D6001               | 8-719-072-43 s | DIODE RB050L-40TE25            |
| D6002               | 8-719-072-43 s | DIODE RB050L-40TE25            |
| D6003               | 8-719-069-28 s | DI 1SS400FJTE61                |
| D6004               | 8-719-072-43 s | DIODE RB050L-40TE25            |
| D6005               | 8-719-069-28 s | DI 1SS400FJTE61                |
| D6006               | 8-719-069-61 s | DI UDZSUSTE-1710B              |
| D6007               | 8-719-072-43 s | DIODE RB050L-40TE25            |
| D6008               | 8-719-072-43 s | DIODE RB050L-40TE25            |
| D6011               | 8-719-069-61 s | DI UDZSUSTE-1710B              |
| D6012               | 8-719-072-43 s | DIODE RB050L-40TE25            |
| E1                  | 1-535-877-22 s | CHIP, CHECKER                  |
| E2                  | 1-535-877-22 s | CHIP, CHECKER                  |
| FB6001              | 1-416-976-21 s | FERRITE, EMI (SMD) (3216)      |
| IC6001              | 6-715-696-01 s | IC TPS5430DDAR                 |

## RE-291 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| IC6002              | 6-711-654-01 s | IC TPS5420DRG4         |
| IC6003              | 6-711-654-01 s | IC TPS5420DRG4         |
| IC6004              | 8-759-643-48 s | IC BA00ASFP-E2         |
| IC6008              | 8-759-643-48 s | IC BA00ASFP-E2         |
| IC6009              | 8-759-337-40 s | IC NJM2904V(Te2)       |
| IC6010              | 8-759-338-95 s | IC NJM2903V(Te2)       |
| IC6011              | 8-759-337-40 s | IC NJM2904V(Te2)       |
| IC6012              | 6-711-654-01 s | IC TPS5420DRG4         |
| L6002               | 1-400-175-21 s | COIL, CHOKE 47UH       |
| L6003               | 1-400-303-21 s | COIL, CHOKE 68UH       |
| L6004               | 1-457-455-11 s | CHOKE COIL 10UH        |
| L6005               | 1-457-372-21 s | COIL, CHOKE 1UH        |
| L6006               | 1-457-372-21 s | COIL, CHOKE 1UH        |
| L6007               | 1-457-455-11 s | CHOKE COIL 10UH        |
| L6008               | 1-457-455-11 s | CHOKE COIL 10UH        |
| L6009               | 1-457-372-21 s | COIL, CHOKE 1UH        |
| L6010               | 1-457-455-11 s | CHOKE COIL 10UH        |
| L6011               | 1-457-455-11 s | CHOKE COIL 10UH        |
| L6012               | 1-457-372-21 s | COIL, CHOKE 1UH        |
| L6013               | 1-457-455-11 s | CHOKE COIL 10UH        |
| L6014               | 1-457-372-21 s | COIL, CHOKE 1UH        |
| L6015               | 1-457-372-21 s | COIL, CHOKE 1UH        |
| L6016               | 1-400-175-21 s | COIL, CHOKE 47UH       |
| L6017               | 1-481-968-11 s | COIL, CHOKE 15UH       |
| L6019               | 1-460-426-11 s | COIL, CHOKE 1.0UH      |
| L6020               | 1-460-426-11 s | COIL, CHOKE 1.0UH      |
| Q6001               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL |
| Q6002               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL |
| Q6003               | 8-729-928-28 s | TRANSISTOR DTA144EE-TL |
| Q6004               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL |
| Q6005               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL |
| Q6006               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL |
| Q6007               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL |
| Q6008               | 8-729-928-28 s | TRANSISTOR DTA144EE-TL |
| Q6009               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL |
| Q6010               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL |
| Q6011               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL |
| R6001               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R6002               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R6003               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R6004               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R6005               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6007               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6008               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6009               | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R6010               | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R6011               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6012               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R6013               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R6014               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R6015               | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R6016               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R6017               | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R6018               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R6019               | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R6020               | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R6021               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6022               | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R6023               | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R6024               | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R6025               | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R6026               | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R6027               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R6028               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |

## RE-291 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R6029               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6031               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R6032               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R6033               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R6034               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R6035               | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R6036               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R6037               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R6038               | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R6039               | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R6040               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6041               | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R6042               | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R6043               | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R6044               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6045               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6046               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6047               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6048               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6049               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6050               | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R6051               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6052               | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R6053               | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R6055               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6056               | 1-208-939-81 s | RES, CHIP 150K (1005)  |
| R6057               | 1-208-923-81 s | RES, CHIP 33K (1005)   |
| R6058               | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R6059               | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R6060               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6061               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6062               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R6063               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R6064               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6065               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6069               | 1-216-864-91 s | CONDUCTOR, CHIP (1608) |
| R6071               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R6072               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6073               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R6074               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6077               | 1-216-864-91 s | CONDUCTOR, CHIP (1608) |
| R6078               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R6079               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R6080               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R6081               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R6082               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R6083               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R6084               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| THP601 $\Delta$     | 1-803-615-21 s | THERMISTOR, POSITIVE   |
| THP602 $\Delta$     | 1-803-353-21 s | THERMISTOR, POSITIVE   |
| THP603 $\Delta$     | 1-803-615-21 s | THERMISTOR, POSITIVE   |
| VDR601              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR602              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR603              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR604              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR605              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR606              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR607              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR608              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR609              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR610              | 1-803-742-21 s | VARISTOR, CHIP         |
| VDR611              | 1-803-742-21 s | VARISTOR, CHIP         |

## SDI-109 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1851-270-A s | MOUNTED CIRCUIT BOARD, SDI-109 |
| 1pc                 | 1-490-082-11 s | OPTICAL CONNECTOR (ATTENUATOR) |
| 1pc $\Delta$        | 1-840-881-12 s | MODULE, OPTICAL (SFP)          |
| 1pc                 | 4-669-854-01 s | CAGE, TOP                      |
| C100                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C101                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C102                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C103                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C104                | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |
| C105                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C106                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C107                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C108                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C109                | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C110                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C111                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C112                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C113                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C114                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C115                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C117                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C118                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C119                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C120                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C121                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C122                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C123                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C126                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C127                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C128                | 1-164-936-81 s | CAP, CHIP CERAMIC 680PF B 1005 |
| C129                | 1-164-936-81 s | CAP, CHIP CERAMIC 680PF B 1005 |
| C130                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C131                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C132                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C133                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C136                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C137                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C138                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C139                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C140                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C141                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C142                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C143                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C144                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C145                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C146                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C147                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C148                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C151                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C152                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C154                | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005 |
| C155                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C157                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C158                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C159                | 1-164-936-81 s | CAP, CHIP CERAMIC 680PF B 1005 |
| C160                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C161                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C162                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C163                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C164                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C165                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C166                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C167                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C168                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C169                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C170                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C171                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C172                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C174                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C175                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C176                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C177                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C178                | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C179                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C180                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C181                | 1-164-936-81 s | CAP, CHIP CERAMIC 680PF B 1005 |
| C182                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C183                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C184                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C185                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C186                | 1-112-066-11 s | CAP, CERAMIC 10MF X7R 3216     |
| C187                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C188                | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C189                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C190                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C191                | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C195                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C200                | 1-126-400-21 s | CAP, CHIP ELECT 22MF(6.3X5.7)  |
| C201                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C202                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C205                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C207                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C208                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C209                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C210                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C211                | 1-126-400-21 s | CAP, CHIP ELECT 22MF(6.3X5.7)  |
| C212                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C213                | 1-115-339-91 s | CAP, CERAMIC 0.1MF B (2012)    |
| C214                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C215                | 1-126-400-21 s | CAP, CHIP ELECT 22MF(6.3X5.7)  |
| C216                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C217                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C218                | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C219                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C224                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C300                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C301                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C302                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C303                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C304                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C305                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C306                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C307                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C308                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C309                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C310                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C311                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C312                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C313                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C314                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C315                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C316                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C317                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C318                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C319                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C320                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C321                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C322                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C323                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |

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**SDI-109 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C389                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C390                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C391                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C392                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C393                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C394                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C395                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C396                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C400                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C401                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C402                | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C403                | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C404                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C405                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C406                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C407                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C408                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C409                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C410                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C411                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C412                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C501                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C502                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C503                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C504                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C505                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C506                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C507                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C508                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C509                | 1-164-848-81 s | CAP, CHIP CERAMIC 8PF CH 1005  |
| C510                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C512                | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005 |
| C513                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C514                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C515                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C516                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C517                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C518                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C520                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C521                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C522                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C524                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C525                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C526                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C527                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C528                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C529                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C530                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C531                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C532                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C533                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C534                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C536                | 1-164-848-81 s | CAP, CHIP CERAMIC 8PF CH 1005  |
| C538                | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005 |
| C539                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C540                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C541                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C542                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C549                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C561                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C562                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C563                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C564                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C565                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C566                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C567                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C568                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C600                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C601                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C602                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C603                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C604                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C605                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C606                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C607                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C609                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C610                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C611                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C613                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C614                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C700                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C701                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C702                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C703                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C704                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C705                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C706                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C715                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C716                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C719                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C720                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C721                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C723                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C726                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C727                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C728                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C729                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C730                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C731                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C732                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C733                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C734                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C735                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C736                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C737                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C738                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C739                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C740                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C741                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C742                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C743                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C744                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C745                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C746                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C747                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C748                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C749                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C750                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C751                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C761                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C762                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C763                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C764                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C833                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C933                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C937                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1000               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1001               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1003               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1004               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C1005               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1006               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1007               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1008               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1009               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1010               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C1011               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1012               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1013               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1018               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C1019               | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C1020               | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C1100               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C1101               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C1102               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C1103               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C1104               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C1105               | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)    |
| C1106               | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C1107               | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C1108               | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)    |
| C1109               | 1-127-950-21 s | CAP, CHIP FILM 0.01MF (2012)   |
| C1112               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C1113               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C1120               | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C1121               | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C1122               | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C1123               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1124               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C1125               | 1-114-549-11 s | CAP, NIOBIUM ELECT 47UF        |
| C1126               | 1-114-548-11 s | CAP, NIOBIUM ELECT 22UF        |
| CN100               | 1-779-772-21 s | CONNECTOR 13P                  |
| CN101               | 1-817-318-21 s | PIN, CONNECTOR 6P              |
| CN200               | 1-695-479-21 o | PIN, CONNECTOR (PC BOARD) 2P   |
| CN301               | 1-843-236-11 s | HEADER ASSEMBLY FOR PWB ST 41P |
| CN302               | 1-843-236-11 s | HEADER ASSEMBLY FOR PWB ST 41P |
| CN500               | 1-764-243-31 o | CONNECTOR (COAXIAL)            |
| CN601               | 1-784-254-21 s | CONNECTOR 10P                  |
| CN700               | 1-817-176-11 s | CONNECTOR, SFP FIBER CHANNEL   |
| CN702               | 1-778-762-12 s | CONNECTOR, COAXIAL             |
| CN705               | 1-778-762-12 s | CONNECTOR, COAXIAL             |
| D100                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D101                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D102                | 6-502-197-01 s | DI SML-D12M8WT86SM             |
| D200                | 8-719-083-67 s | DI UDZSUSTE-1720B              |
| D201                | 8-719-069-59 s | DI UDZSUSTE-178.2B             |
| D202                | 8-719-989-77 s | DIODE SC802-04-TE12RA          |
| D203                | 8-719-989-77 s | DIODE SC802-04-TE12RA          |
| D204                | 8-719-989-77 s | DIODE SC802-04-TE12RA          |
| D205                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D206                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D207                | 8-719-036-91 s | DIODE RD5.1SB-T1               |
| D208                | 8-719-036-91 s | DIODE RD5.1SB-T1               |
| D209                | 8-719-069-56 s | DI UDZSUSTE-176.2B             |
| D210                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D500                | 8-719-821-08 s | DIODE 1SS271-TE85L             |
| D501                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D600                | 6-502-598-01 s | DI SML-D12U8WT86               |
| D700                | 6-502-598-01 s | DI SML-D12U8WT86               |
| D701                | 6-502-598-01 s | DI SML-D12U8WT86               |
| D703                | 6-502-598-01 s | DI SML-D12U8WT86               |
| D1100               | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D1101               | 6-502-598-01 s | DI SML-D12U8WT86               |
| D1102               | 6-502-598-01 s | DI SML-D12U8WT86               |
| D1103               | 6-502-598-01 s | DI SML-D12U8WT86               |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| D1104               | 6-502-598-01 s | DI SML-D12U8WT86          |
| D1105               | 6-502-598-01 s | DI SML-D12U8WT86          |
| D1106               | 6-502-598-01 s | DI SML-D12U8WT86          |
| D1107               | 6-502-598-01 s | DI SML-D12U8WT86          |
| D1108               | 6-502-598-01 s | DI SML-D12U8WT86          |
| D1109               | 6-502-197-01 s | DI SML-D12M8WT86SM        |
| D1110               | 6-502-197-01 s | DI SML-D12M8WT86SM        |
| D1111               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D1112               | 6-502-197-01 s | DI SML-D12M8WT86SM        |
| D1113               | 6-502-197-01 s | DI SML-D12M8WT86SM        |
| D1114               | 6-502-197-01 s | DI SML-D12M8WT86SM        |
| D1115               | 6-502-197-01 s | DI SML-D12M8WT86SM        |
| D1116               | 6-502-197-01 s | DI SML-D12M8WT86SM        |
| D1117               | 6-502-197-01 s | DI SML-D12M8WT86SM        |
| E101                | 1-780-408-11 o | TERMINAL, LUG             |
| E102                | 1-780-408-11 o | TERMINAL, LUG             |
| E103                | 1-780-408-11 o | TERMINAL, LUG             |
| E104                | 1-780-408-11 o | TERMINAL, LUG             |
| E105                | 1-535-877-22 s | CHIP, CHECKER             |
| E106                | 1-535-877-22 s | CHIP, CHECKER             |
| E107                | 1-535-877-22 s | CHIP, CHECKER             |
| E108                | 1-535-877-22 s | CHIP, CHECKER             |
| FB100               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB101               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB102               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB103               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB104               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB105               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB106               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB107               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB108               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB109               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB110               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB112               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB113               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB114               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB115               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB116               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB117               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB118               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB119               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB120               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB121               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB122               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB123               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB124               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB125               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB200               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB201               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB300               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB301               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB400               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB401               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB601               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB702               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB703               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB704               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB1000              | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB1100              | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FL500               | 1-233-345-21 s | FILTER, LOW PASS (5.5MHZ) |
| FL501               | 1-233-345-21 s | FILTER, LOW PASS (5.5MHZ) |
| IC100               | 8-759-327-01 s | IC NJM062V (TE2)          |
| IC101               | 6-713-169-01 s | IC LTC3412AEFE#TR         |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| IC102               | 6-713-169-01 s | IC LTC3412AEFE#TR     |
| IC103               | 6-706-220-01 s | IC LTC3411EMS#TR      |
| IC104               | 6-712-135-01 o | IC R1173H001D-T1-F    |
| IC105               | 6-713-169-01 s | IC LTC3412AEFE#TR     |
| IC107               | 8-759-327-01 s | IC NJM062V(TE2)       |
| IC108               | 6-712-135-01 o | IC R1173H001D-T1-F    |
| IC109               | 6-712-135-01 o | IC R1173H001D-T1-F    |
| IC110               | 6-712-135-01 o | IC R1173H001D-T1-F    |
| IC200               | 8-759-327-01 s | IC NJM062V(TE2)       |
| IC203               | 6-704-976-01 s | IC ADR381ARTZ-REEL7   |
| IC204               | 8-759-359-49 s | IC NJM3414AV(TE2)     |
| IC207               | 6-706-482-01 s | IC TC7SH00FU          |
| IC208               | 8-759-327-01 s | IC NJM062V(TE2)       |
| IC212               | 6-706-487-01 s | IC TC7SH08FU          |
| IC214               | 8-759-338-95 s | IC NJM2903V(TE2)      |
| IC220               | 6-711-915-01 s | IC LM73CIMK-0         |
| IC300               | 6-706-482-01 s | IC TC7SH00FU          |
| IC400               | 6-714-534-01 s | IC W9864G2IH-6-ER10   |
| IC401               | 6-714-534-01 s | IC W9864G2IH-6-ER10   |
| IC500               | 6-706-471-01 s | IC THS5661AIPWR       |
| IC501               | 8-759-327-01 s | IC NJM062V(TE2)       |
| IC503               | 8-759-561-46 s | IC AD8014ARTZ-REEL7   |
| IC507               | 8-759-561-46 s | IC AD8014ARTZ-REEL7   |
| IC508               | 6-718-382-01 s | IC ML86V76653TBZ03A-7 |
| IC509               | 6-706-471-01 s | IC THS5661AIPWR       |
| IC600               | 6-702-879-01 s | IC R3112N281A-TR-FA   |
| IC601               | 6-706-487-01 s | IC TC7SH08FU          |
| IC602               | 6-706-487-01 s | IC TC7SH08FU          |
| IC603               | 6-706-484-01 s | IC TC7SH04FU          |
| IC606               | 6-707-843-01 s | IC TC74LCX125FT(EKJ)  |
| IC612               | 6-706-487-01 s | IC TC7SH08FU          |
| IC614               | 8-759-592-49 s | IC TC7SZ125FU(TE85R)  |
| IC615               | 6-707-843-01 s | IC TC74LCX125FT(EKJ)  |
| IC701               | 6-706-484-01 s | IC TC7SH04FU          |
| IC702               | 6-706-484-01 s | IC TC7SH04FU          |
| IC704               | 6-706-484-01 s | IC TC7SH04FU          |
| IC708               | 6-706-482-01 s | IC TC7SH00FU          |
| IC904               | 6-703-875-01 s | IC CDCVF2505PWR       |
| IC908               | 6-700-804-01 s | IC SN74LVC574APWR     |
| IC1003              | 6-706-487-01 s | IC TC7SH08FU          |
| IC1101              | 6-706-478-01 s | IC TC7SET08FU         |
| IC1102              | 8-759-485-24 s | IC MC74HC4046ADTR2    |
| IC1103              | 6-706-478-01 s | IC TC7SET08FU         |
| IC1111              | 8-759-669-66 s | IC TLC272CPWR-12      |
| IC1122              | 6-702-982-01 s | IC TC7SA00FU(TE85R)   |
| L100                | 1-457-372-21 s | COIL, CHOKE 1UH       |
| L101                | 1-457-372-21 s | COIL, CHOKE 1UH       |
| L102                | 1-457-372-21 s | COIL, CHOKE 1UH       |
| L103                | 1-419-630-21 s | COIL, CHOKE 4.7UH     |
| L200                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH |
| L300                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH  |
| L301                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH  |
| L302                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH  |
| L303                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH  |
| L304                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH  |
| L306                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH  |
| L307                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH  |
| L308                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH  |
| L500                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH |
| L501                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH |
| L502                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH |
| L503                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH |
| L504                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH |
| L505                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description              |
|---------------------|----------------|-----------------------------|
| L506                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| L507                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| L508                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| L510                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| L513                | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| L700                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH        |
| L701                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH        |
| L704                | 1-414-832-21 s | INDUCTOR, CHIP 2.2NH (1005) |
| L705                | 1-414-832-21 s | INDUCTOR, CHIP 2.2NH (1005) |
| L903                | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH        |
| L1100               | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| L1101               | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| L1102               | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| L1103               | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| L1104               | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH       |
| Q100                | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q   |
| Q101                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q102                | 8-729-102-84 s | TRANSISTOR 2SB624-T1BV5     |
| Q103                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q106                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q107                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q108                | 8-729-928-37 s | TRANSISTOR DTA114EE-TL      |
| Q200                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q201                | 8-729-209-77 s | TRANSISTOR 2SC2873Y-TE12L   |
| Q202                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q203                | 6-552-494-01 s | TR SI2307CDS-T1-GE3         |
| Q204                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q205                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q206                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q207                | 8-729-928-37 s | TRANSISTOR DTA114EE-TL      |
| Q208                | 8-729-928-37 s | TRANSISTOR DTA114EE-TL      |
| Q209                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q210                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q211                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q212                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q401                | 8-729-928-37 s | TRANSISTOR DTA114EE-TL      |
| Q402                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q403                | 6-552-494-01 s | TR SI2307CDS-T1-GE3         |
| Q500                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q600                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q700                | 8-729-928-37 s | TRANSISTOR DTA114EE-TL      |
| Q701                | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q702                | 6-552-494-01 s | TR SI2307CDS-T1-GE3         |
| Q1100               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1101               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1102               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1103               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1104               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1105               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1106               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1107               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1108               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1109               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1110               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1111               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1116               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1117               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1118               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1119               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1120               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1121               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1122               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1123               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |
| Q1124               | 8-729-928-82 s | TRANSISTOR DTC144EE-TL      |

**SDI-109 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| R101                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R103                | 1-208-899-81 s | RES, CHIP 3.3K (1005)           |
| R104                | 1-220-804-81 s | RES, CHIP 2.2M                  |
| R105                | 1-220-804-81 s | RES, CHIP 2.2M                  |
| R106                | 1-243-975-81 s | RES, CHIP 4.7M (1005)           |
| R107                | 1-243-975-81 s | RES, CHIP 4.7M (1005)           |
| R108                | 1-208-943-81 s | RES, CHIP 220K (1005)           |
| R109                | 1-208-919-81 s | RES, CHIP 22K (1005)            |
| R110                | 1-208-943-81 s | RES, CHIP 220K (1005)           |
| R111                | 1-208-935-81 s | RES, CHIP 100K (1005)           |
| R112                | 1-208-863-81 s | RES, CHIP 100 (1005)            |
| R113                | 1-208-863-81 s | RES, CHIP 100 (1005)            |
| R115                | 1-208-871-81 s | RES, CHIP 220 (1005)            |
| R117                | 1-208-915-81 s | RES, CHIP 15K (1005)            |
| R118                | 1-208-891-81 s | RES, CHIP 1.5K (1005)           |
| R119                | 1-208-927-81 s | RES, CHIP 47K (1005)            |
| R120                | 1-208-895-81 s | RES, CHIP 2.2K (1005)           |
| R121                | 1-208-899-81 s | RES, CHIP 3.3K (1005)           |
| R122                | 1-208-891-81 s | RES, CHIP 1.5K (1005)           |
| R123                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R124                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R125                | 1-208-927-81 s | RES, CHIP 47K (1005)            |
| R126                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2 (3225) |
| R127                | 1-208-903-81 s | RES, CHIP 4.7K (1005)           |
| R128                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2 (3225) |
| R129                | 1-208-919-81 s | RES, CHIP 22K (1005)            |
| R130                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R131                | 1-208-907-81 s | RES, CHIP 6.8K (1005)           |
| R132                | 1-208-927-81 s | RES, CHIP 47K (1005)            |
| R133                | 1-208-931-81 s | RES, CHIP 68K (1005)            |
| R134                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R135                | 1-208-943-81 s | RES, CHIP 220K (1005)           |
| R136                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R137                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R138                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R139                | 1-208-871-81 s | RES, CHIP 220 (1005)            |
| R140                | 1-208-871-81 s | RES, CHIP 220 (1005)            |
| R141                | 1-208-927-81 s | RES, CHIP 47K (1005)            |
| R143                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R144                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R145                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R146                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R147                | 1-208-943-81 s | RES, CHIP 220K (1005)           |
| R148                | 1-208-915-81 s | RES, CHIP 15K (1005)            |
| R149                | 1-220-804-81 s | RES, CHIP 2.2M                  |
| R151                | 1-208-895-81 s | RES, CHIP 2.2K (1005)           |
| R152                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R153                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R154                | 1-208-927-81 s | RES, CHIP 47K (1005)            |
| R155                | 1-243-975-81 s | RES, CHIP 4.7M (1005)           |
| R156                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2 (3225) |
| R157                | 1-208-931-81 s | RES, CHIP 68K (1005)            |
| R158                | 1-208-929-81 s | RES, CHIP 56K (1005)            |
| R159                | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| R160                | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| R161                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R162                | 1-208-959-81 s | RES, CHIP 1M (1005)             |
| R164                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R169                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R170                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R171                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R172                | 1-208-903-81 s | RES, CHIP 4.7K (1005)           |
| R173                | 1-208-899-81 s | RES, CHIP 3.3K (1005)           |
| R174                | 1-208-959-81 s | RES, CHIP 1M (1005)             |
| R175                | 1-208-911-81 s | RES, CHIP 10K (1005)            |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| R176                | 1-208-883-81 s | RES, CHIP 680 (1005)            |
| R177                | 1-208-899-81 s | RES, CHIP 3.3K (1005)           |
| R178                | 1-208-903-81 s | RES, CHIP 4.7K (1005)           |
| R179                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R183                | 1-243-975-81 s | RES, CHIP 4.7M (1005)           |
| R188                | 1-220-230-91 s | RES,SQUARE TYPE CHIP 2.2 (3225) |
| R189                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R190                | 1-208-899-81 s | RES, CHIP 3.3K (1005)           |
| R191                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R193                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R195                | 1-208-927-81 s | RES, CHIP 47K (1005)            |
| R197                | 1-208-927-81 s | RES, CHIP 47K (1005)            |
| R198                | 1-208-863-81 s | RES, CHIP 100 (1005)            |
| R200                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R201                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R202                | 1-218-871-91 s | RES, CHIP 10K (1608)            |
| R203                | 1-208-863-81 s | RES, CHIP 100 (1005)            |
| R204                | 1-218-871-91 s | RES, CHIP 10K (1608)            |
| R205                | 1-218-871-91 s | RES, CHIP 10K (1608)            |
| R206                | 1-218-871-91 s | RES, CHIP 10K (1608)            |
| R207                | 1-208-935-81 s | RES, CHIP 100K (1005)           |
| R208                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R213                | 1-208-871-81 s | RES, CHIP 220 (1005)            |
| R214                | 1-208-871-81 s | RES, CHIP 220 (1005)            |
| R215                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R216                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R217                | 1-208-903-81 s | RES, CHIP 4.7K (1005)           |
| R218                | 1-208-927-81 s | RES, CHIP 47K (1005)            |
| R219                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R220                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R221                | 1-208-935-81 s | RES, CHIP 100K (1005)           |
| R222                | 1-208-863-81 s | RES, CHIP 100 (1005)            |
| R223                | 1-208-855-81 s | RES, CHIP 47 (1005)             |
| R224                | 1-208-935-81 s | RES, CHIP 100K (1005)           |
| R225                | 1-218-847-91 s | RES, CHIP 1.0K (1608)           |
| R226                | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| R227                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R228                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R229                | 1-218-839-91 s | RES, CHIP 470 (1608)            |
| R230                | 1-208-863-81 s | RES, CHIP 100 (1005)            |
| R231                | 1-208-863-81 s | RES, CHIP 100 (1005)            |
| R232                | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| R233                | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| R234                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R235                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R236                | 1-208-923-81 s | RES, CHIP 33K (1005)            |
| R237                | 1-208-911-81 s | RES, CHIP 10K (1005)            |
| R238                | 1-218-855-91 s | RES, CHIP 2.2K (1608)           |
| R239                | 1-208-883-81 s | RES, CHIP 680 (1005)            |
| R240                | 1-208-883-81 s | RES, CHIP 680 (1005)            |
| R241                | 1-208-907-81 s | RES, CHIP 6.8K (1005)           |
| R245                | 1-208-907-81 s | RES, CHIP 6.8K (1005)           |
| R246                | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| R247                | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| R249                | 1-208-919-81 s | RES, CHIP 22K (1005)            |
| R250                | 1-208-919-81 s | RES, CHIP 22K (1005)            |
| R251                | 1-208-919-81 s | RES, CHIP 22K (1005)            |
| R254                | 1-208-927-81 s | RES, CHIP 47K (1005)            |
| R256                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R257                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R261                | 1-208-903-81 s | RES, CHIP 4.7K (1005)           |
| R262                | 1-208-903-81 s | RES, CHIP 4.7K (1005)           |
| R264                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R300                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |
| R301                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)          |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R310                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R403                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R404                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R405                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R406                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R409                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R410                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R411                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R412                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R413                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R415                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R416                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R417                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R418                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R419                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R420                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R421                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R500                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R501                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R502                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R503                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R505                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R506                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R508                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R509                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R510                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R511                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R512                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R513                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R514                | 1-208-915-81 s | RES, CHIP 15K (1005)   |
| R515                | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R516                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R517                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R518                | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R520                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R521                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R522                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R524                | 1-208-951-81 s | RES, CHIP 470K (1005)  |
| R525                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R526                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R527                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R528                | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R529                | 1-208-887-81 s | RES, CHIP 1K (1005)    |
| R530                | 1-208-939-81 s | RES, CHIP 150K (1005)  |
| R531                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R532                | 1-208-923-81 s | RES, CHIP 33K (1005)   |
| R533                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R534                | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R535                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R536                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R537                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R538                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R539                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R540                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R541                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R542                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R543                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R544                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R545                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R546                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R547                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R548                | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R549                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R550                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R551                | 1-208-859-81 s | RES, CHIP 68 (1005)    |

**SDI-109 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R552                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R553                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R554                | 1-208-915-81 s | RES, CHIP 15K (1005)   |
| R555                | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R556                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R557                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R558                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R559                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R560                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R561                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R562                | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R563                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R564                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R566                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R567                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R568                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R569                | 1-208-887-81 s | RES, CHIP 1K (1005)    |
| R570                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R571                | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R572                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R573                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R574                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R575                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R583                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R584                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R585                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R589                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R590                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R591                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R592                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R600                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R601                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R602                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R603                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R604                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R605                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R606                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R607                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R608                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R609                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R610                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R611                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R612                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R613                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R614                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R615                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R616                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R618                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R619                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R622                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R624                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R625                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R626                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R627                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R628                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R629                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R630                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R632                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R633                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R634                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R635                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R636                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R702                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R703                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R704                | 1-208-911-81 s | RES, CHIP 10K (1005)   |



**SDI-109 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R705                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R706                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R707                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R708                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R709                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R710                | 1-208-860-81 s | RES, CHIP 75 (1005)    |
| R715                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R716                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R719                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R720                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R723                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R727                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R734                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R737                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R738                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R739                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R740                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R741                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R742                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R744                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R745                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R746                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R747                | 1-208-860-81 s | RES, CHIP 75 (1005)    |
| R748                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R749                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R750                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R751                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R752                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R753                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R754                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R759                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R760                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R761                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R762                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R765                | 1-208-860-81 s | RES, CHIP 75 (1005)    |
| R766                | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R767                | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R770                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R773                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R774                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R776                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R791                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R793                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R794                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R795                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R796                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R797                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R889                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R890                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R892                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R893                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R895                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R896                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R897                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R898                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R948                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R949                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R952                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R953                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R955                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R956                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R958                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R960                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R962                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R963                | 1-208-871-81 s | RES, CHIP 220 (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R964                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R966                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R967                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R968                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R969                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R971                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R972                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R973                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R974                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R978                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R979                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R980                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1001               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1002               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1003               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1005               | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R1006               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1007               | 1-218-871-91 s | RES, CHIP 10K (1608)   |
| R1008               | 1-218-871-91 s | RES, CHIP 10K (1608)   |
| R1013               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1018               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1019               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1020               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R1021               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R1024               | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R1025               | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R1026               | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R1027               | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R1028               | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R1029               | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R1030               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1031               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1032               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1033               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1034               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1035               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1036               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1037               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1038               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1039               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1100               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1101               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1102               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1103               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1104               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1105               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1106               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1107               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1108               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1109               | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R1110               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1114               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R1115               | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R1116               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1117               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1118               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1119               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1120               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1121               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R1122               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1123               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1124               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R1135               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1136               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1137               | 1-208-959-81 s | RES, CHIP 1M (1005)    |

**SDI-109 BOARD**

| Ref. No.<br>or Q'ty | Part No.         | SP Description             |
|---------------------|------------------|----------------------------|
| R1138               | 1-208-887-81 s   | RES, CHIP 1.0K (1005)      |
| R1139               | 1-220-870-81 s   | RES, CHIP 10 (1005)        |
| R1140               | 1-208-871-81 s   | RES, CHIP 220 (1005)       |
| R1141               | 1-208-911-81 s   | RES, CHIP 10K (1005)       |
| R1142               | 1-208-927-81 s   | RES, CHIP 47K (1005)       |
| R1143               | 1-208-911-81 s   | RES, CHIP 10K (1005)       |
| R1144               | 1-208-927-81 s   | RES, CHIP 47K (1005)       |
| R1145               | 1-208-927-81 s   | RES, CHIP 47K (1005)       |
| RB400               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB401               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB402               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB403               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB404               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB405               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB406               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB407               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB408               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB409               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB410               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB411               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB412               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB413               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB414               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB415               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB416               | 1-234-371-21 s   | RES, NETWORK 47 (1005X4)   |
| RB417               | 1-234-371-21 s   | RES, NETWORK 47 (1005X4)   |
| RB418               | 1-234-371-21 s   | RES, NETWORK 47 (1005X4)   |
| RB419               | 1-234-371-21 s   | RES, NETWORK 47 (1005X4)   |
| RB420               | 1-234-371-21 s   | RES, NETWORK 47 (1005X4)   |
| RB500               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB501               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB502               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB503               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB504               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)  |
| RB505               | 1-234-373-21 s   | RES, NETWORK 220 (1005X4)  |
| RB506               | 1-234-373-21 s   | RES, NETWORK 220 (1005X4)  |
| RB507               | 1-234-373-21 s   | RES, NETWORK 220 (1005X4)  |
| RB508               | 1-234-373-21 s   | RES, NETWORK 220 (1005X4)  |
| RB509               | 1-234-373-21 s   | RES, NETWORK 220 (1005X4)  |
| RB510               | 1-234-373-21 s   | RES, NETWORK 220 (1005X4)  |
| RB511               | 1-234-373-21 s   | RES, NETWORK 220 (1005X4)  |
| RB513               | 1-234-371-21 s   | RES, NETWORK 47 (1005X4)   |
| RB514               | 1-234-381-21 s   | RES, NETWORK 100K (1005X4) |
| RB600               | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)  |
| RB601               | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)  |
| RB602               | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)  |
| RB603               | 1-234-371-21 s   | RES, NETWORK 47 (1005X4)   |
| RB604               | 1-234-371-21 s   | RES, NETWORK 47 (1005X4)   |
| RB605               | 1-234-371-21 s   | RES, NETWORK 47 (1005X4)   |
| RB606               | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)  |
| RB700               | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)  |
| RB1100              | 1-234-381-21 s   | RES, NETWORK 100K (1005X4) |
| RB1101              | 1-234-381-21 s   | RES, NETWORK 100K (1005X4) |
| RB1105              | 1-234-376-21 s   | RES, NETWORK 2.2K (1005X4) |
| RB1106              | 1-234-376-21 s   | RES, NETWORK 2.2K (1005X4) |
| RB1107              | 1-234-375-21 s   | RES, NETWORK 1K (1005X4)   |
| RB1108              | 1-234-375-21 s   | RES, NETWORK 1K (1005X4)   |
| S1100               | 1-692-271-41 s   | SWITCH, SLIDE              |
| S1103               | 1-771-721-21 s   | SWITCH, TACTILE            |
| THP100              | △ 1-804-616-21 s | THERMISTOR, POSITIVE       |
| THP101              | △ 1-804-616-21 s | THERMISTOR, POSITIVE       |
| THP102              | △ 1-804-616-21 s | THERMISTOR, POSITIVE       |
| THP103              | △ 1-804-616-21 s | THERMISTOR, POSITIVE       |

**SDI-109 BOARD**

| Ref. No.<br>or Q'ty | Part No.         | SP Description                  |
|---------------------|------------------|---------------------------------|
| THP104              | △ 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP105              | △ 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP106              | △ 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP107              | △ 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP108              | △ 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP109              | △ 1-804-616-21 s | THERMISTOR, POSITIVE            |
| THP110              | △ 1-804-616-21 s | THERMISTOR, POSITIVE            |
| TP500               | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP501               | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP502               | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP503               | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP504               | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP505               | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP900               | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP901               | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP902               | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP1001              | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP1002              | 1-535-877-22 s   | CHIP, CHECKER                   |
| TP1100              | 1-535-877-22 s   | CHIP, CHECKER                   |
| X1000               | 1-814-291-11 s   | OSCILLATOR, CRYSTAL (25MHZ)     |
| X1100               | 1-795-670-12 s   | OSCILLATOR, CRYSTAL (VCXO) 3.3V |
| X1101               | 1-795-671-12 s   | OSCILLATOR, CRYSTAL (VCXO) 3.3V |

**SW-1524 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1860-025-A s | MOUNTED CIRCUIT BOARD, SW-1524  |
| C1                  | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| C2                  | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| C3                  | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C4                  | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C5                  | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C6                  | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| CN1                 | 1-817-068-21 s | CONNECTOR 9P                    |
| CN2                 | 1-770-623-21 s | PIN, CONNECTOR 6P               |
| FB1                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)       |
| FB2                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)       |
| FB3                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)       |
| FB4                 | 1-469-094-21 s | FERRITE, EMI (SMD) (1608)       |
| R1                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| R2                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)           |
| S1                  | 1-786-725-21 s | SWITCH, TACTILE                 |
| S2                  | 1-786-725-21 s | SWITCH, TACTILE                 |

**SW-1525 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1860-026-A s | MOUNTED CIRCUIT BOARD, SW-1525  |
| C1                  | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C6                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C7                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C8                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C9                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |

**SW-1525 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C10                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C11                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C12                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C13                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| CN1                 | 1-770-626-21 s | PIN, CONNECTOR 9P              |
| CN2                 | 1-770-625-21 s | PIN, CONNECTOR 8P              |
| IC1                 | 6-714-067-01 s | IC PCA9555DB-T                 |
| Q1                  | 8-729-928-55 s | TRANSISTOR DTA123JE-TL         |
| R1                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2                  | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R3                  | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R4                  | 1-216-864-91 s | CONDUCTOR, CHIP (1608)         |
| R5                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R6                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R7                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R8                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R9                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R10                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R11                 | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R12                 | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R13                 | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R14                 | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| S1                  | 1-786-725-21 s | SWITCH, TACTILE                |
| S2                  | 1-786-725-21 s | SWITCH, TACTILE                |
| S3                  | 1-786-725-21 s | SWITCH, TACTILE                |
| S4                  | 1-786-725-21 s | SWITCH, TACTILE                |

**SW-1526 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-027-A s | MOUNTED CIRCUIT BOARD, SW-1526 |
| C1                  | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005 |
| CN1                 | 1-770-619-21 s | PIN, CONNECTOR 2P              |
| R1                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| S1                  | 1-786-725-21 s | SWITCH, TACTILE                |

**SW-1527 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-028-A s | MOUNTED CIRCUIT BOARD, SW-1527 |
| C1                  | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C2                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C3                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C4                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C5                  | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C6                  | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C7                  | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C8                  | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C9                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C10                 | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C11                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| CN1                 | 1-770-629-21 s | PIN, CONNECTOR 12P             |

**SW-1527 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| EN1                 | 1-487-191-11 s | ENCODER, ROTARY        |
| R1                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R2                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R3                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R4                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R5                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R6                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R7                  | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R8                  | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R9                  | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R10                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R11                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| RV1                 | 1-227-244-11 s | RES, VAR, CARBON 5K/5K |
| S1                  | 1-570-282-21 s | SWITCH, KEY BOARD      |
| S2                  | 1-762-124-21 s | SWITCH, TOGGLE         |
| S3                  | 1-762-531-21 s | SWITCH, TOGGLE         |
| S4                  | 1-570-610-11 s | SWITCH, TOGGLE         |

**SW-1528 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-029-A s | MOUNTED CIRCUIT BOARD, SW-1528 |
| C1                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C2                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C3                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C4                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C5                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C6                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C7                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C8                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C9                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C10                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| CN1                 | 1-770-628-21 s | PIN, CONNECTOR 11P             |
| R1                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R3                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R4                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R5                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R6                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R7                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R8                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R9                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R10                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| S1                  | 1-762-123-21 s | SWITCH, TOGGLE                 |
| S2                  | 1-762-123-21 s | SWITCH, TOGGLE                 |
| S3                  | 1-762-123-21 s | SWITCH, TOGGLE                 |
| S4                  | 1-762-019-21 s | SWITCH, TOGGLE                 |
| S5                  | 1-762-489-21 s | SWITCH, TOGGLE                 |

**SW-1530 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-030-A s | MOUNTED CIRCUIT BOARD, SW-1530 |
| C1                  | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C2                  | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C3                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |

**SW-1530 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| C4                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C5                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C6                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C7                  | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C8                  | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C9                  | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C10                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C11                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C12                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C13                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C14                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C15                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C16                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C17                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C18                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C19                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C20                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C21                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C22                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C23                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C24                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C25                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C26                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C27                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C28                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C29                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C30                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C31                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C32                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C33                 | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C34                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C35                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C36                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C37                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| CN1                 | 1-778-647-31 s | CONNECTOR, FFC/FPC(ZIF) ST 15P  |
| D1                  | 8-719-989-04 s | DIODE DAN222-TL                 |
| D2                  | 8-719-989-04 s | DIODE DAN222-TL                 |
| D3                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D4                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D5                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D6                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D7                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D8                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D9                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D10                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D11                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D12                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D13                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D14                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D15                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D16                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D17                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D18                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D19                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D20                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D21                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| IC1                 | 6-713-118-01 s | IC PCA9554BS-T                  |
| IC2                 | 6-713-118-01 s | IC PCA9554BS-T                  |
| IC3                 | 6-713-118-01 s | IC PCA9554BS-T                  |
| Q1                  | 8-729-928-55 s | TRANSISTOR DTA123JE-TL          |
| Q2                  | 8-729-928-55 s | TRANSISTOR DTA123JE-TL          |
| R1                  | 1-208-855-81 s | RES, CHIP 47 (1005)             |

**SW-1530 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R2                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R3                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R4                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R5                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R6                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R7                  | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R8                  | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R9                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R11                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R12                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R13                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R14                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R15                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R16                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R17                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R18                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R19                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R20                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R21                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R22                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R23                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R25                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R26                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R27                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R28                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R29                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R30                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R31                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R32                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R33                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R34                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R35                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R36                 | 1-216-864-91 s | CONDUCTOR, CHIP (1608) |
| R37                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R38                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R39                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R40                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R41                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R42                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R43                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R44                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R45                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R46                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R47                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R48                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R49                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R50                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R51                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R52                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R53                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R54                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R55                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R56                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R57                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| RV1                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| RV2                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| RV3                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| RV4                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| RV5                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| RV6                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| S1                  | 1-786-887-11 s | SWITCH,ROTARY          |
| S2                  | 1-786-887-11 s | SWITCH,ROTARY          |
| S3                  | 1-570-985-21 s | SWITCH, TOGGLE         |
| S4                  | 1-786-725-21 s | SWITCH, TACTILE        |

**SW-1530 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description  |
|---------------------|----------------|-----------------|
| S5                  | 1-570-608-11 s | SWITCH, TOGGLE  |
| S6                  | 1-786-725-21 s | SWITCH, TACTILE |
| S7                  | 1-570-985-21 s | SWITCH, TOGGLE  |
| S8                  | 1-570-608-11 s | SWITCH, TOGGLE  |
| S9                  | 1-570-608-11 s | SWITCH, TOGGLE  |

**SW-1530A BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1859-146-A s | MOUNTED CIRCUIT BOARD, SW-1530A |
| C1                  | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C2                  | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C3                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C4                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C5                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C6                  | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C7                  | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C8                  | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C9                  | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C10                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C11                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C12                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C13                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C14                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C15                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C16                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C17                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C18                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C19                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C20                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C21                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C22                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C23                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C24                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C25                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C26                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C27                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C28                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C29                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C30                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C31                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C32                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C33                 | 1-164-937-81 s | CAP, CHIPCERAMIC 1000PF B 1005  |
| C34                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C35                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C36                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| C37                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005  |
| CN1                 | 1-778-647-31 s | CONNECTOR, FFC/FPC(ZIF) ST 15P  |
| D1                  | 8-719-989-04 s | DIODE DAN222-TL                 |
| D2                  | 8-719-989-04 s | DIODE DAN222-TL                 |
| D3                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D4                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D5                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D6                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D7                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D8                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D9                  | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D10                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D11                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |
| D12                 | 6-500-936-01 s | DIODE CL-194WE-D-T              |

**SW-1530A BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| D13                 | 6-500-936-01 s | DIODE CL-194WE-D-T     |
| D14                 | 6-500-936-01 s | DIODE CL-194WE-D-T     |
| D15                 | 6-500-936-01 s | DIODE CL-194WE-D-T     |
| D16                 | 6-500-936-01 s | DIODE CL-194WE-D-T     |
| D17                 | 6-500-936-01 s | DIODE CL-194WE-D-T     |
| D18                 | 6-500-936-01 s | DIODE CL-194WE-D-T     |
| D19                 | 6-500-936-01 s | DIODE CL-194WE-D-T     |
| D20                 | 6-500-936-01 s | DIODE CL-194WE-D-T     |
| D21                 | 6-500-936-01 s | DIODE CL-194WE-D-T     |
| IC1                 | 6-713-118-01 s | IC PCA9554BS-T         |
| IC2                 | 6-713-118-01 s | IC PCA9554BS-T         |
| IC3                 | 6-713-118-01 s | IC PCA9554BS-T         |
| Q1                  | 8-729-928-55 s | TRANSISTOR DTA123JE-TL |
| Q2                  | 8-729-928-55 s | TRANSISTOR DTA123JE-TL |
| R1                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R2                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R3                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R4                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R5                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R6                  | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R7                  | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R8                  | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R10                 | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R11                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R12                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R13                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R14                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R15                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R16                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R17                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R18                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R19                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R20                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R21                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R23                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R24                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R25                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R26                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R27                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R28                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R29                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R30                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R31                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R32                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R33                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R34                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R35                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R36                 | 1-216-864-91 s | CONDUCTOR, CHIP (1608) |
| R37                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R38                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R39                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R40                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R41                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R42                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R43                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R44                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R45                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R46                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R47                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R48                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R49                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R50                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R51                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |

**SW-1530A BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R52                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R53                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R54                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R55                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R56                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R57                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R58                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| RV1                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| RV2                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| RV3                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| RV4                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| RV6                 | 1-227-892-11 s | RES, VAR, CARBON 50K   |
| S1                  | 1-786-887-11 s | SWITCH,ROTARY          |
| S2                  | 1-786-887-11 s | SWITCH,ROTARY          |
| S3                  | 1-570-985-21 s | SWITCH, TOGGLE         |
| S4                  | 1-786-725-21 s | SWITCH, TACTILE        |
| S6                  | 1-786-725-21 s | SWITCH, TACTILE        |
| S7                  | 1-570-985-21 s | SWITCH, TOGGLE         |
| S8                  | 1-570-608-11 s | SWITCH, TOGGLE         |
| S9                  | 1-570-608-11 s | SWITCH, TOGGLE         |

**SW-1531 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-031-A s | MOUNTED CIRCUIT BOARD, SW-1531 |
| C1                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C2                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C3                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C4                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C5                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C6                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| CN1                 | 1-770-623-21 s | PIN, CONNECTOR 6P              |
| D1                  | 6-502-598-01 s | DI SML-D12U8WT86               |
| D2                  | 6-501-358-01 s | DIODE CL-197HG5-CD-T           |
| R1                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R3                  | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R4                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R5                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| S1                  | 1-762-123-21 s | SWITCH, TOGGLE                 |

**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1867-057-A s | MOUNTED CIRCUIT BOARD, SY-408  |
| 3pcs                | 3-729-061-02 s | SCREW (M2) (TYPE 1)            |
| BT301               | 1-251-928-21 s | SOCKET, BATTERY                |
| C1                  | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C2                  | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C3                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C4                  | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C5                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C6                  | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C7                  | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |

**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C8                  | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C9                  | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C10                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C11                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C12                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C13                 | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C14                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C15                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C16                 | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C17                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C18                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C19                 | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C20                 | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C21                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C22                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C23                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C24                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C101                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C102                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C103                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C104                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C105                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C106                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C107                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C108                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C109                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C110                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C111                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C112                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C113                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C114                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C115                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C116                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C117                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C118                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C119                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C120                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C121                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C122                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C123                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C124                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C125                | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608 |
| C127                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C128                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C129                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C130                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C131                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C132                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C133                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C135                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C136                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C137                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C139                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C140                | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C141                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C142                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C143                | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C144                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C145                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C146                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C147                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C148                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C149                | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |
| C150                | 1-135-960-91 s | CAP, CHIP CERAMIC 10MF B(3225) |
| C151                | 1-100-581-81 s | CAP,CHIP CERAMIC0.0047MF B1005 |

**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C152                | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005 |
| C153                | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005 |
| C154                | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C155                | 1-116-082-11 s | CAP, CHIP ELECT 47MF (6.3X7.7) |
| C156                | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C157                | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C159                | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C160                | 1-116-082-11 s | CAP, CHIP ELECT 47MF (6.3X7.7) |
| C161                | 1-114-160-91 s | CAP, CHIP CERAMIC 1MF B 3225   |
| C162                | 1-114-160-91 s | CAP, CHIP CERAMIC 1MF B 3225   |
| C163                | 1-114-507-11 s | CAP, CERAMIC 1UF X7R           |
| C164                | 1-114-160-91 s | CAP, CHIP CERAMIC 1MF B 3225   |
| C165                | 1-114-160-91 s | CAP, CHIP CERAMIC 1MF B 3225   |
| C166                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C167                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C168                | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C301                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C302                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C303                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C304                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C305                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C306                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C307                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C310                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C311                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C312                | 1-114-386-11 s | CAP, NIOBIUM ELECT 100MF 105   |
| C313                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C314                | 1-112-746-91 s | CAP, CERAMIC 4.7MF B (1608)    |
| C315                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C316                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C317                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C318                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C321                | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C322                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C323                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C325                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C326                | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C327                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C328                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C329                | 1-119-923-81 s | CAP, CERAMIC 0.047MF B 1005    |
| C330                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C331                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C332                | 1-100-880-91 s | CAP, CERAMIC 100MF C (3225)    |
| C333                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C334                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C335                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C401                | 1-100-670-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C402                | 1-100-670-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C403                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C404                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C405                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C406                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C407                | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C408                | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005 |
| C409                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C410                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C411                | 1-164-862-81 s | CAP, CHIP CERAMIC 33PF CH 1005 |
| C412                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C413                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C414                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C415                | 1-100-670-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C416                | 1-100-670-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C417                | 1-100-670-91 s | CAP, CERAMIC 4.7MF C (2012)    |
| C418                | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C419                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C420                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C421                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C424                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C425                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C427                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C428                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C429                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C501                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C502                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C503                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C504                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C505                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C506                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C507                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C508                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C509                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C510                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C512                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C514                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C515                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C516                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C517                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C518                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C519                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C521                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C522                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C523                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C524                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C601                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C602                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C603                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C604                | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C605                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C606                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C607                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C608                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C609                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C610                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C611                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C613                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C614                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C615                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C616                | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005 |
| C617                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C618                | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005 |
| C619                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C620                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C621                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C622                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C623                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C624                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C625                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C626                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C627                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C628                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C629                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C630                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C631                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C632                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C701                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C702                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C703                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C704                | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C705                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C706                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |







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| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| C1338               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1339               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C1340               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1341               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1342               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1343               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1344               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1345               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1401               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1402               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1403               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1404               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1405               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C1406               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C1407               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C1408               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1409               | 1-100-597-91 s | CAP, CHIP CERAMIC 0.1MF B 1608  |
| C1410               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1411               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C1412               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1413               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1414               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C1415               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C1417               | 1-116-045-91 s | CAP, CERAMIC 4.7MF B 2012       |
| C1418               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1419               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1420               | 1-116-045-91 s | CAP, CERAMIC 4.7MF B 2012       |
| C1421               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C1422               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1423               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1424               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1425               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1426               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1427               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1428               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1501               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1502               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1503               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1504               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1505               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1506               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1507               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1508               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)      |
| C1509               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)      |
| C1510               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1511               | 1-165-884-91 s | CAP, CERAMIC 2.2MF (1608)       |
| C1512               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1513               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1514               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1515               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1516               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1517               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C1518               | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C1519               | 1-164-937-81 s | CAP, CHIP CERAMIC 1000PF B 1005 |
| C1520               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1521               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1523               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1524               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1525               | 1-165-884-91 s | CAP, CERAMIC 2.2MF (1608)       |
| C1527               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1528               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1529               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1530               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1531               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1532               | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF (1005) |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| C1533               | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF (1005) |
| C1534               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1535               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1536               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1537               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1538               | 1-165-884-91 s | CAP, CERAMIC 2.2MF (1608)       |
| C1539               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1540               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1541               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1542               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1543               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1544               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1545               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1546               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1547               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1548               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1549               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1550               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C1551               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C1552               | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005  |
| C1553               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1554               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1555               | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| C1556               | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| C1557               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1558               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1559               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1560               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1561               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1562               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1563               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1564               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1565               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1566               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1567               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1568               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)      |
| C1569               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C1570               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C1571               | 1-126-396-21 s | CAP, CHIP ELECT 47MF (6.3X5.7)  |
| C1572               | 1-126-396-21 s | CAP, CHIP ELECT 47MF (6.3X5.7)  |
| C1575               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1587               | 1-165-884-91 s | CAP, CERAMIC 2.2MF (1608)       |
| C1601               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1602               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1603               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1604               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1605               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1606               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1607               | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| C1608               | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| C1609               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1610               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1611               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1612               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1613               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1614               | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF (1005) |
| C1615               | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF (1005) |
| C1616               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1617               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1618               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1619               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1620               | 1-165-884-91 s | CAP, CERAMIC 2.2MF (1608)       |
| C1621               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1622               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1623               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| C1624               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1625               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1626               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1627               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1628               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1629               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1630               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1631               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1632               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1633               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1634               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1635               | 1-115-153-21 s | CAP, ELECT 4.7MF                |
| C1636               | 1-115-153-21 s | CAP, ELECT 4.7MF                |
| C1637               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1638               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005  |
| C1639               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1640               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1641               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)      |
| C1642               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C1643               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C1644               | 1-126-396-21 s | CAP, CHIP ELECT 47MF (6.3X5.7)  |
| C1645               | 1-126-396-21 s | CAP, CHIP ELECT 47MF (6.3X5.7)  |
| C1648               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1649               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1650               | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005)  |
| C1651               | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005)  |
| C1801               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1802               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1803               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1804               | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| C1805               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1806               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1807               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1808               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1809               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1810               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1811               | 1-117-145-21 s | CAP, ELECT 1MF                  |
| C1813               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1814               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)      |
| C1815               | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005    |
| C1817               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C1818               | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005  |
| C1819               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C1820               | 1-164-876-81 s | CAP,CHIP CERAMIC 120PF CH 1005  |
| C1821               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1822               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1823               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005  |
| C1824               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1825               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1826               | 1-115-459-21 s | CAP, ELECT 47MF                 |
| C1827               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005  |
| C1828               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1829               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C1830               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1831               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1832               | 1-164-876-81 s | CAP,CHIP CERAMIC 120PF CH 1005  |
| C1833               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C1834               | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)     |
| C1835               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1836               | 1-119-923-81 s | CAP, CERAMIC 0.047MF B 1005     |
| C1837               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1838               | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005)  |
| C1839               | 1-100-415-91 s | CAP, CHIP CERAMIC 0.47MF(1005)  |
| C1840               | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225   |
| C1841               | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| C1843               | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005  |
| C1844               | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005  |
| C1846               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1848               | 1-126-396-21 s | CAP, CHIP ELECT 47MF (6.3X5.7)  |
| C1849               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1850               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1851               | 1-112-791-11 s | CAP, ELECT 100MF                |
| C1852               | 1-126-396-21 s | CAP, CHIP ELECT 47MF (6.3X5.7)  |
| C1853               | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225   |
| C1854               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C1855               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1856               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1857               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1858               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1859               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1860               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1861               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C1862               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005  |
| C1863               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005  |
| C1864               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1865               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1866               | 1-117-145-21 s | CAP, ELECT 1MF                  |
| C1901               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1902               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005  |
| C1903               | 1-164-939-81 s | CAP, CHIP CERAMIC 2200PF B 1005 |
| C1904               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1905               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1906               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1907               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1908               | 1-117-145-21 s | CAP, ELECT 1MF                  |
| C1909               | 1-117-145-21 s | CAP, ELECT 1MF                  |
| C1910               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)      |
| C1912               | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005  |
| C1913               | 1-164-876-81 s | CAP,CHIP CERAMIC 120PF CH 1005  |
| C1914               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1915               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1916               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005  |
| C1917               | 1-115-459-21 s | CAP, ELECT 47MF                 |
| C1918               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005  |
| C1919               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1920               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)       |
| C1921               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1922               | 1-164-876-81 s | CAP,CHIP CERAMIC 120PF CH 1005  |
| C1924               | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)     |
| C1925               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1926               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1929               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005       |
| C1931               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C1932               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C1933               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C1934               | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005  |
| C1936               | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225   |
| C1938               | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)       |
| C1939               | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005    |
| C1940               | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005  |
| C1941               | 1-164-866-81 s | CAP, CHIP CERAMIC 47PF CH 1005  |
| C1942               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608     |
| C1944               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1945               | 1-126-405-21 s | CAP, CHIP ELECT 10MF (6.3X5.7)  |
| C1947               | 1-126-396-21 s | CAP, CHIP ELECT 47MF (6.3X5.7)  |
| C1948               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225   |
| C1949               | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)      |
| C1950               | 1-112-791-11 s | CAP, ELECT 100MF                |
| C1951               | 1-126-396-21 s | CAP, CHIP ELECT 47MF (6.3X5.7)  |
| C1952               | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C1953               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C1954               | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C1955               | 1-114-214-81 s | CAP,CHIP CERAMIC470PF CH1005   |
| C1956               | 1-112-800-11 s | CAP, ELECT 100MF               |
| C1957               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C1958               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2001               | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C2002               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2003               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C2004               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C2005               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C2006               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C2007               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2008               | 1-117-145-21 s | CAP, ELECT 1MF                 |
| C2009               | 1-117-145-21 s | CAP, ELECT 1MF                 |
| C2010               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C2011               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C2012               | 1-117-145-21 s | CAP, ELECT 1MF                 |
| C2013               | 1-117-145-21 s | CAP, ELECT 1MF                 |
| C2014               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C2015               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C2016               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2017               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2018               | 1-164-876-81 s | CAP,CHIP CERAMIC 120PF CH 1005 |
| C2019               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2020               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005 |
| C2021               | 1-115-459-21 s | CAP, ELECT 47MF                |
| C2022               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005 |
| C2023               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C2024               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2025               | 1-164-876-81 s | CAP,CHIP CERAMIC 120PF CH 1005 |
| C2026               | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)    |
| C2027               | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C2028               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C2029               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C2030               | 1-126-405-21 s | CAP, CHIP ELECT 10MF (6.3X5.7) |
| C2031               | 1-114-868-11 s | CAP, CERAMIC 0.1MF X7R 1608    |
| C2032               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2033               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2034               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C2035               | 1-100-055-21 s | CAP, CHIP CERAMIC 22MF B 3225  |
| C2036               | 1-162-923-91 s | CAP, CERAMIC 47PF CH 1608      |
| C2037               | 1-162-923-91 s | CAP, CERAMIC 47PF CH 1608      |
| C2038               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2039               | 1-117-145-21 s | CAP, ELECT 1MF                 |
| C2041               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C2042               | 1-164-935-81 s | CAP, CHIP CERAMIC 470PF B 1005 |
| C2043               | 1-117-145-21 s | CAP, ELECT 1MF                 |
| C2044               | 1-117-145-21 s | CAP, ELECT 1MF                 |
| C2045               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C2046               | 1-114-419-21 s | CAP, CERAMIC 10MF B (2012)     |
| C2047               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2048               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2049               | 1-164-876-81 s | CAP,CHIP CERAMIC 120PF CH 1005 |
| C2050               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2051               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005 |
| C2052               | 1-115-459-21 s | CAP, ELECT 47MF                |
| C2053               | 1-164-882-81 s | CAP,CHIP CERAMIC 220PF CH 1005 |
| C2054               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C2055               | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C2056               | 1-164-876-81 s | CAP,CHIP CERAMIC 120PF CH 1005 |
| C2057               | 1-127-956-21 s | CAP, CHIP FILM 0.1MF (3225)    |
| C2058               | 1-112-015-91 s | CAP, CHIP CERAMIC 47MF B 3225  |
| C2059               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C2060               | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C2061               | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C2062               | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C2063               | 1-117-145-21 s | CAP, ELECT 1MF                 |
| C2064               | 1-162-923-91 s | CAP, CERAMIC 47PF CH 1608      |
| CN1                 | 1-794-959-21 o | PIN, CONNECTOR (PWB, PRINT)20P |
| CN2                 | 1-770-625-21 s | PIN, CONNECTOR 8P              |
| CN3                 | 1-819-577-21 s | PIN, CONNECTOR (PC BOARD) 15P  |
| CN4                 | 1-770-623-21 s | PIN, CONNECTOR 6P              |
| CN5                 | 1-785-840-31 s | CONNECTOR, FFC/FPC(ZIF) AN 15P |
| CN6                 | 1-770-625-21 s | PIN, CONNECTOR 8P              |
| CN7                 | 1-770-625-21 s | PIN, CONNECTOR 8P              |
| CN8                 | 1-794-142-31 s | CONNECTOR, FFC/FPC(ZIF) AN 36P |
| CN9                 | 1-778-645-31 s | CONNECTOR, FFC/FPC(ZIF) AN 10P |
| CN10                | 1-770-626-21 s | PIN, CONNECTOR 9P              |
| CN11                | 1-819-577-21 s | PIN, CONNECTOR (PC BOARD) 15P  |
| CN12                | 1-770-160-21 s | PIN, CONNECTOR (PC BOARD) 2P   |
| CN51                | 1-793-141-21 s | PIN, CONNECTOR (PC BOARD) 15P  |
| CN102               | 1-794-340-21 s | CONNECTOR, BOARD TO BOARD 120P |
| CN201               | 1-774-260-31 s | CONNECTOR, FFC/FPC(ZIF) AN 20P |
| CN204               | 1-770-620-21 s | PIN, CONNECTOR 3P              |
| CN205               | 1-764-093-21 o | PIN, CONNECTOR (PC BOARD) 8P   |
| CN206               | 1-784-254-21 s | CONNECTOR 10P                  |
| D1                  | 6-501-123-01 s | DIODE RB160M-60TR              |
| D2                  | 8-719-069-59 s | DI UDZSUSTE-178.2B             |
| D101                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D102                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D103                | 8-719-083-83 s | DI UDZSUSTE-1715B              |
| D106                | 8-719-083-83 s | DI UDZSUSTE-1715B              |
| D107                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D108                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D109                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D110                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D111                | 6-502-197-01 s | DI SML-D12M8WT86SM             |
| D112                | 6-502-598-01 s | DI SML-D12U8WT86               |
| D113                | 8-719-056-48 s | DI 1SS388                      |
| D114                | 8-719-056-48 s | DI 1SS388                      |
| D115                | 6-501-123-01 s | DIODE RB160M-60TR              |
| D116                | 8-719-072-43 s | DIODE RB050L-40TE25            |
| D117                | 6-501-123-01 s | DIODE RB160M-60TR              |
| D118                | 6-501-123-01 s | DIODE RB160M-60TR              |
| D119                | 8-719-083-83 s | DI UDZSUSTE-1715B              |
| D301                | 6-502-197-01 s | DI SML-D12M8WT86SM             |
| D302                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D303                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D401                | 6-502-197-01 s | DI SML-D12M8WT86SM             |
| D601                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D602                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D603                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D604                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D605                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D607                | 8-719-989-04 s | DIODE DAN222-TL                |
| D701                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D702                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D801                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D802                | 8-719-056-65 s | DIODE 1SS372-TE85L             |
| D803                | 8-719-056-65 s | DIODE 1SS372-TE85L             |
| D804                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D805                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D806                | 8-719-024-71 s | DIODE 1SS362-TE85L             |
| D807                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D808                | 8-719-083-60 s | DI UDZSUSTE-174.7B             |
| D809                | 8-719-056-48 s | DI 1SS388                      |
| D810                | 8-719-056-48 s | DI 1SS388                      |
| D811                | 8-719-024-71 s | DIODE 1SS362-TE85L             |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| D812                | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D1401               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D1402               | 8-719-991-01 s | DIODE DAP222-TL           |
| D1403               | 8-719-991-01 s | DIODE DAP222-TL           |
| D1404               | 8-719-991-01 s | DIODE DAP222-TL           |
| D1405               | 8-719-056-48 s | DI 1SS388                 |
| D1406               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D1407               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D1501               | 6-500-696-01 s | DI UDZSUSTE-173.0B        |
| D1502               | 6-500-696-01 s | DI UDZSUSTE-173.0B        |
| D1503               | 6-500-696-01 s | DI UDZSUSTE-173.0B        |
| D1504               | 6-500-696-01 s | DI UDZSUSTE-173.0B        |
| D1601               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D1801               | 8-719-056-48 s | DI 1SS388                 |
| D1901               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D1902               | 8-719-083-66 s | DI UDZSUSTE-1718B         |
| D1903               | 8-719-083-66 s | DI UDZSUSTE-1718B         |
| D1904               | 8-719-083-66 s | DI UDZSUSTE-1718B         |
| D1905               | 8-719-083-66 s | DI UDZSUSTE-1718B         |
| D1906               | 6-502-598-01 s | DI SML-D12U8WT86          |
| D2001               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2002               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2003               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2004               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2005               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2006               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2007               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2008               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2009               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2010               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2011               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2012               | 8-719-024-71 s | DIODE 1SS362-TE85L        |
| D2013               | 8-719-989-04 s | DIODE DAN222-TL           |
| D2014               | 8-719-989-04 s | DIODE DAN222-TL           |
| D2015               | 8-719-989-04 s | DIODE DAN222-TL           |
| D2016               | 8-719-989-04 s | DIODE DAN222-TL           |
| E1                  | 1-535-877-22 s | CHIP, CHECKER             |
| E2                  | 1-535-877-22 s | CHIP, CHECKER             |
| E3                  | 1-535-877-22 s | CHIP, CHECKER             |
| E4                  | 1-535-877-22 s | CHIP, CHECKER             |
| E5                  | 1-535-877-22 s | CHIP, CHECKER             |
| E6                  | 1-535-877-22 s | CHIP, CHECKER             |
| FB1                 | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB2                 | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB3                 | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB4                 | 1-400-832-21 s | SMD EMI FERRITE           |
| FB5                 | 1-400-832-21 s | SMD EMI FERRITE           |
| FB6                 | 1-400-832-21 s | SMD EMI FERRITE           |
| FB7                 | 1-400-832-21 s | SMD EMI FERRITE           |
| FB8                 | 1-400-832-21 s | SMD EMI FERRITE           |
| FB9                 | 1-400-832-21 s | SMD EMI FERRITE           |
| FB10                | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB11                | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB12                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB13                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB14                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB15                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB16                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB17                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB18                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB19                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB20                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB21                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB22                | 1-400-832-21 s | SMD EMI FERRITE           |

## SY-408 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| FB23                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB24                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB25                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB26                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB27                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB28                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB29                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB30                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB31                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB32                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB33                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB34                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB35                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB36                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB37                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB38                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB39                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB40                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB41                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB42                | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB43                | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB44                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB45                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB46                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB47                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB48                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB49                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB50                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB51                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB52                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB53                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB54                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB55                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB56                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB57                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB58                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB59                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB60                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB61                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB62                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB63                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB64                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB65                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB66                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB67                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB68                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB69                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB70                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB71                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB72                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB73                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB74                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB75                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB76                | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB77                | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB78                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB79                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB80                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB81                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB82                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB83                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB84                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB85                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB86                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB87                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| FB88                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB89                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB90                | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB91                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB92                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB93                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB94                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB95                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB96                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB97                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB98                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB99                | 1-400-832-21 s | SMD EMI FERRITE           |
| FB101               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB102               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB103               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB104               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB105               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB106               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB107               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB108               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB109               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB110               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB111               | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB112               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB151               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB303               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB304               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB305               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB306               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB307               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB308               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB309               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB310               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB401               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB402               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB403               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB404               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB571               | 1-400-832-21 s | SMD EMI FERRITE           |
| FB701               | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB702               | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB703               | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB704               | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB705               | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB706               | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB707               | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB801               | 1-414-772-21 s | FERRITE, EMI (SMD) (2012) |
| FB1001              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1002              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1003              | 1-414-445-21 s | FERRITE, EMI (SMD) (1608) |
| FB1101              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1102              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1103              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1104              | 1-414-864-21 s | FERRITE, EMI (SMD) (1608) |
| FB1105              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1106              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1107              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1108              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1109              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1110              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1111              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1112              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1200              | 1-400-462-21 s | FERRITE, EMI (SMD) (1005) |
| FB1201              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1202              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1203              | 1-400-832-21 s | SMD EMI FERRITE           |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| FB1204              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1205              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1206              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1207              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1208              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1209              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1210              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1211              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1212              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1213              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1214              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1215              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1216              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1217              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1218              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1219              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1220              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1221              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1222              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1223              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1225              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1226              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1228              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1229              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1230              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1233              | 1-414-445-21 s | FERRITE, EMI (SMD) (1608) |
| FB1234              | 1-414-445-21 s | FERRITE, EMI (SMD) (1608) |
| FB1301              | 1-414-445-21 s | FERRITE, EMI (SMD) (1608) |
| FB1302              | 1-414-445-21 s | FERRITE, EMI (SMD) (1608) |
| FB1303              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1304              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1305              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1306              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1307              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1308              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1309              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1310              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1401              | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB1402              | 1-469-094-21 s | FERRITE, EMI (SMD) (1608) |
| FB1501              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1502              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1601              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1803              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB1901              | 1-400-832-21 s | SMD EMI FERRITE           |
| FB2001              | 1-400-832-21 s | SMD EMI FERRITE           |
| FL1201              | 1-813-543-11 s | FILTER, LOW PASS          |
| FL1202              | 1-813-543-11 s | FILTER, LOW PASS          |
| FL1203              | 1-813-544-11 s | FILTER, LOW PASS          |
| FL1204              | 1-239-897-22 s | FILTER, EMI (SMD)         |
| FL1205              | 1-239-897-22 s | FILTER, EMI (SMD)         |
| FL1206              | 1-239-897-22 s | FILTER, EMI (SMD)         |
| FL1207              | 1-239-897-22 s | FILTER, EMI (SMD)         |
| FL1208              | 1-239-897-22 s | FILTER, EMI (SMD)         |
| FL1209              | 1-239-897-22 s | FILTER, EMI (SMD)         |
| FL1210              | 1-239-897-22 s | FILTER, EMI (SMD)         |
| FL1211              | 1-239-897-22 s | FILTER, EMI (SMD)         |
| FL1212              | 1-239-897-22 s | FILTER, EMI (SMD)         |
| FL1213              | 1-233-345-21 s | FILTER, LOW PASS (5.5MHZ) |
| FL1301              | 1-200-092-11 s | FILTER, LOW PASS          |
| IC101               | 6-704-976-01 s | IC ADR381ARTZ-REEL7       |
| IC102               | 6-706-220-01 s | IC LTC3411EMS#TR          |
| IC103               | 6-705-480-01 s | IC LT3467ES6#TR           |
| IC104               | 6-705-480-01 s | IC LT3467ES6#TR           |
| IC105               | 6-712-135-01 o | IC R1173H001D-T1-FE       |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description           |
|---------------------|----------------|--------------------------|
| IC106               | 8-759-327-01 s | IC NJM062V (TE2)         |
| IC107               | 8-759-327-01 s | IC NJM062V (TE2)         |
| IC108               | 8-759-327-01 s | IC NJM062V (TE2)         |
| IC109               | 8-759-598-43 s | IC TC7WH04FK             |
| IC301               | 6-708-478-01 s | IC RX-8025NB             |
| IC302               | 6-710-988-01 s | IC TC74VCX16843 (EL, F)  |
| IC303               | 6-712-135-01 o | IC R1173H001D-T1-FE      |
| IC305               | 8-759-598-44 s | IC TC7WH08FK             |
| IC306               | 6-706-484-01 s | IC TC7SH04FU             |
| IC307               | 6-712-135-01 o | IC R1173H001D-T1-FE      |
| IC308               | 6-704-566-01 s | IC R3112N291A-TR-FE      |
| IC309               | 8-759-656-54 s | IC TC7WH14FK             |
| IC310               | 6-715-164-01 s | IC TPS2553DBVR           |
| IC311               | 6-712-135-01 o | IC R1173H001D-T1-FE      |
| IC406               | 6-706-487-01 s | IC TC7SH08FU             |
| IC409               | 6-600-060-01 s | IC TC7WZ32FK             |
| IC410               | 6-600-060-01 s | IC TC7WZ32FK             |
| IC501               | 6-706-487-01 s | IC TC7SH08FU             |
| IC502               | 6-706-484-01 s | IC TC7SH04FU             |
| IC503               | 8-759-656-54 s | IC TC7WH14FK             |
| IC504               | 8-759-656-54 s | IC TC7WH14FK             |
| IC506               | 8-759-831-52 s | IC TC7WH125FK            |
| IC507               | 8-759-831-52 s | IC TC7WH125FK            |
| IC508               | 8-759-831-52 s | IC TC7WH125FK            |
| IC510               | 8-759-598-44 s | IC TC7WH08FK             |
| IC511               | 8-759-598-44 s | IC TC7WH08FK             |
| IC514               | 6-706-487-01 s | IC TC7SH08FU             |
| IC517               | 8-759-598-44 s | IC TC7WH08FK             |
| IC518               | 8-759-598-44 s | IC TC7WH08FK             |
| IC601               | 6-706-476-01 s | IC TC7SET04FU            |
| IC602               | 6-706-476-01 s | IC TC7SET04FU            |
| IC603               | 6-706-488-01 s | IC TC7SH14FU             |
| IC604               | 6-706-487-01 s | IC TC7SH08FU             |
| IC605               | 6-711-443-01 s | IC TC74VHCT125AFK (E, K) |
| IC606               | 6-704-555-01 o | IC TC7PA04FU (TE85R)     |
| IC607               | 6-706-484-01 s | IC TC7SH04FU             |
| IC608               | 8-759-831-52 s | IC TC7WH125FK            |
| IC609               | 6-706-487-01 s | IC TC7SH08FU             |
| IC610               | 8-759-831-52 s | IC TC7WH125FK            |
| IC611               | 6-706-487-01 s | IC TC7SH08FU             |
| IC612               | 8-759-598-43 s | IC TC7WH04FK             |
| IC613               | 6-706-484-01 s | IC TC7SH04FU             |
| IC614               | 8-759-598-44 s | IC TC7WH08FK             |
| IC615               | 8-759-831-52 s | IC TC7WH125FK            |
| IC616               | 6-711-237-01 s | IC NJM2878F3-33 (TE2)    |
| IC617               | 6-706-489-01 s | IC TC7SH32FU             |
| IC618               | 6-706-484-01 s | IC TC7SH04FU             |
| IC619               | 6-706-488-01 s | IC TC7SH14FU             |
| IC620               | 6-706-487-01 s | IC TC7SH08FU             |
| IC621               | 8-759-831-52 s | IC TC7WH125FK            |
| IC622               | 6-711-443-01 s | IC TC74VHCT125AFK (E, K) |
| IC623               | 6-706-487-01 s | IC TC7SH08FU             |
| IC624               | 6-704-555-01 o | IC TC7PA04FU (TE85R)     |
| IC703               | 6-711-489-01 s | IC TC74VCX244FK (EL)     |
| IC704               | 6-701-917-01 s | IC TC7PA34FU (TE85R)     |
| IC705               | 6-701-917-01 s | IC TC7PA34FU (TE85R)     |
| IC706               | 6-711-489-01 s | IC TC74VCX244FK (EL)     |
| IC707               | 6-711-489-01 s | IC TC74VCX244FK (EL)     |
| IC708               | 6-704-555-01 o | IC TC7PA04FU (TE85R)     |
| IC709               | 6-706-476-01 s | IC TC7SET04FU            |
| IC710               | 8-759-598-43 s | IC TC7WH04FK             |
| IC711               | 6-704-555-01 o | IC TC7PA04FU (TE85R)     |
| IC712               | 8-759-092-83 s | IC SN75158PSR            |
| IC713               | 8-759-598-44 s | IC TC7WH08FK             |
| IC714               | 6-701-917-01 s | IC TC7PA34FU (TE85R)     |

## SY-408 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description           |
|---------------------|----------------|--------------------------|
| IC715               | 6-704-555-01 o | IC TC7PA04FU (TE85R)     |
| IC716               | 6-704-555-01 o | IC TC7PA04FU (TE85R)     |
| IC801               | 6-708-346-01 s | IC DAC7512N              |
| IC802               | 6-711-237-01 s | IC NJM2878F3-33 (TE2)    |
| IC803               | 6-718-398-01 s | IC ADC128S022CIMTX       |
| IC804               | 6-712-389-01 s | IC TC74VHC4051AFK (EK)   |
| IC805               | 6-712-389-01 s | IC TC74VHC4051AFK (EK)   |
| IC806               | 8-759-669-66 s | IC TLC272CPWR-12         |
| IC807               | 8-759-327-01 s | IC NJM062V (TE2)         |
| IC808               | 8-759-327-01 s | IC NJM062V (TE2)         |
| IC809               | 8-759-327-01 s | IC NJM062V (TE2)         |
| IC810               | 8-759-675-54 s | IC TC7W53FK (TE85R)      |
| IC811               | 8-759-327-01 s | IC NJM062V (TE2)         |
| IC812               | 8-759-327-01 s | IC NJM062V (TE2)         |
| IC813               | 6-706-484-01 s | IC TC7SH04FU             |
| IC1002              | 6-706-484-01 s | IC TC7SH04FU             |
| IC1003              | 8-759-327-01 s | IC NJM062V (TE2)         |
| IC1004              | 8-759-485-24 s | IC MC74HC4046ADTR2       |
| IC1005              | 6-711-448-01 s | IC TC74VHCT244AFK (E, K) |
| IC1103              | 6-706-487-01 s | IC TC7SH08FU             |
| IC1104              | 6-701-917-01 s | IC TC7PA34FU (TE85R)     |
| IC1105              | 6-711-438-01 s | IC TC74VHC595FK (EL, K)  |
| IC1106              | 6-711-438-01 s | IC TC74VHC595FK (EL, K)  |
| IC1107              | 6-711-438-01 s | IC TC74VHC595FK (EL, K)  |
| IC1108              | 6-711-443-01 s | IC TC74VHCT125AFK (E, K) |
| IC1109              | 8-759-831-52 s | IC TC7WH125FK            |
| IC1110              | 8-759-831-52 s | IC TC7WH125FK            |
| IC1113              | 8-759-831-52 s | IC TC7WH125FK            |
| IC1114              | 8-759-831-52 s | IC TC7WH125FK            |
| IC1115              | 8-759-592-44 s | IC TC7SZ04FU (TE85R)     |
| IC1116              | 8-759-592-49 s | IC TC7SZ125FU (TE85R)    |
| IC1201              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1202              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1203              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1204              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1205              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1206              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1207              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1208              | 6-710-945-01 s | IC TC74VHC574FK (EL, K)  |
| IC1209              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1211              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1212              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1301              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1302              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1303              | 8-759-561-46 s | IC AD8014ARTZ-REEL7      |
| IC1304              | 8-759-287-55 s | IC TC7S66FU (TE85R)      |
| IC1305              | 8-759-287-55 s | IC TC7S66FU (TE85R)      |
| IC1306              | 6-700-186-01 s | IC GS4981ITA             |
| IC1307              | 8-759-287-55 s | IC TC7S66FU (TE85R)      |
| IC1308              | 8-759-327-14 s | IC TL712CPSR             |
| IC1309              | 6-704-099-01 s | IC TC7WZ08FK             |
| IC1310              | 6-704-099-01 s | IC TC7WZ08FK             |
| IC1311              | 8-759-669-66 s | IC TLC272CPWR-12         |
| IC1313              | 8-759-675-54 s | IC TC7W53FK (TE85R)      |
| IC1314              | 8-759-675-54 s | IC TC7W53FK (TE85R)      |
| IC1401              | 8-759-644-10 s | IC MAX3491CSD+TG068      |
| IC1402              | 6-706-484-01 s | IC TC7SH04FU             |
| IC1403              | 8-759-598-44 s | IC TC7WH08FK             |
| IC1407              | 6-716-627-01 s | IC LTC1387CG#TR          |
| IC1408              | 6-706-484-01 s | IC TC7SH04FU             |
| IC1409              | 6-706-487-01 s | IC TC7SH08FU             |
| IC1410              | 8-759-672-76 s | IC AK9813BF-E2           |
| IC1411              | 6-704-567-01 s | IC R3112N451A-TR-FE      |
| IC1412              | 6-709-322-01 s | IC TC7WH123FK            |
| IC1413              | 6-706-484-01 s | IC TC7SH04FU             |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description               |
|---------------------|----------------|------------------------------|
| IC1414              | 6-709-322-01 s | IC TC7WH123FK                |
| IC1415              | 6-706-489-01 s | IC TC7SH32FU                 |
| IC1416              | 6-704-566-01 s | IC R3112N291A-TR-FE          |
| IC1419              | 6-706-484-01 s | IC TC7SH04FU                 |
| IC1501              | 6-711-116-01 s | IC NJM2878F3-05 (TE2)        |
| IC1502              | 6-711-237-01 s | IC NJM2878F3-33 (TE2)        |
| IC1503              | 6-711-116-01 s | IC NJM2878F3-05 (TE2)        |
| IC1504              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1505              | 8-759-598-43 s | IC TC7WH04FK                 |
| IC1506              | 6-718-338-01 s | IC AK5381VT-E2               |
| IC1507              | 6-710-823-01 o | IC NJM2737RB1 (TE2)          |
| IC1508              | 8-759-287-55 s | IC TC7S66FU (TE85R)          |
| IC1509              | 6-710-823-01 o | IC NJM2737RB1 (TE2)          |
| IC1510              | 8-759-287-55 s | IC TC7S66FU (TE85R)          |
| IC1511              | 8-759-598-43 s | IC TC7WH04FK                 |
| IC1512              | 6-700-563-01 s | IC AK4552VT-E2               |
| IC1513              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1514              | 6-701-111-01 s | IC AK4382AVT-E2              |
| IC1515              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1516              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1518              | 8-759-422-21 s | IC NJM4580V (TE2)            |
| IC1601              | 8-759-598-43 s | IC TC7WH04FK                 |
| IC1602              | 6-701-111-01 s | IC AK4382AVT-E2              |
| IC1603              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1605              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1606              | 6-700-563-01 s | IC AK4552VT-E2               |
| IC1607              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1609              | 8-759-422-21 s | IC NJM4580V (TE2)            |
| IC1801              | 6-712-388-01 s | IC TC74VHC4053AFK (EK)       |
| IC1802              | 6-704-960-01 s | IC NJM2172V (TE2)            |
| IC1803              | 8-759-675-54 s | IC TC7W53FK (TE85R)          |
| IC1804              | 8-759-675-54 s | IC TC7W53FK (TE85R)          |
| IC1805              | 8-759-675-54 s | IC TC7W53FK (TE85R)          |
| IC1806              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1807              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1808              | 8-759-356-17 s | IC NJM4556AM-A-TE2           |
| IC1809              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1810              | 8-759-675-54 s | IC TC7W53FK (TE85R)          |
| IC1811              | 6-706-484-01 s | IC TC7SH04FU                 |
| IC1901              | 6-712-388-01 s | IC TC74VHC4053AFK (EK)       |
| IC1902              | 6-706-484-01 s | IC TC7SH04FU                 |
| IC1906              | 8-759-675-54 s | IC TC7W53FK (TE85R)          |
| IC1907              | 6-706-906-01 s | IC NJM2732RB1 (TE2)          |
| IC1909              | 8-759-327-01 s | IC NJM062V (TE2)             |
| IC1911              | 8-759-356-17 s | IC NJM4556AM-A-TE2           |
| IC1912              | 8-759-675-54 s | IC TC7W53FK (TE85R)          |
| IC2001              | 6-712-388-01 s | IC TC74VHC4053AFK (EK)       |
| IC2002              | 6-712-388-01 s | IC TC74VHC4053AFK (EK)       |
| IC2003              | 6-710-823-01 o | IC NJM2737RB1 (TE2)          |
| IC2005              | 6-711-116-01 s | IC NJM2878F3-05 (TE2)        |
| IC2006              | 6-711-116-01 s | IC NJM2878F3-05 (TE2)        |
| IC2007              | 6-712-388-01 s | IC TC74VHC4053AFK (EK)       |
| IC2008              | 6-712-388-01 s | IC TC74VHC4053AFK (EK)       |
| IC2009              | 6-710-823-01 o | IC NJM2737RB1 (TE2)          |
| IC2010              | 8-759-598-43 s | IC TC7WH04FK                 |
| L1                  | 1-457-217-21 o | COMMON MODE CHOKE COIL       |
| L101                | 1-469-559-21 s | INDUCTOR, CHIP 47UH (LB2016) |
| L102                | 1-419-630-21 s | COIL, CHOKE 4.7UH            |
| L103                | 1-457-455-11 s | CHOKE COIL 10UH              |
| L104                | 1-457-454-11 s | CHOKE COIL 47UH              |
| L105                | 1-416-606-21 s | COIL, CHOKE (SMD) 47UH       |
| L401                | 1-469-559-21 s | INDUCTOR, CHIP 47UH (LB2016) |
| L1201               | 1-412-987-41 s | INDUCTOR, SMALL TYPE 4.7UH   |
| L1203               | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |
| L1204               | 1-414-398-41 s | INDUCTOR (SMD) 10.0UH        |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description             |
|---------------------|----------------|----------------------------|
| L1301               | 1-412-987-41 s | INDUCTOR, SMALL TYPE 4.7UH |
| L1302               | 1-412-987-41 s | INDUCTOR, SMALL TYPE 4.7UH |
| PH701               | 6-600-851-01 s | PHOTO COUPLER PC4D10SNIP0F |
| Q1                  | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q101                | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q  |
| Q102                | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q  |
| Q103                | 6-550-632-01 s | TRANSISTOR 2SC4672-T100-Q  |
| Q104                | 6-550-632-01 s | TRANSISTOR 2SC4672-T100-Q  |
| Q105                | 6-550-632-01 s | TRANSISTOR 2SC4672-T100-Q  |
| Q106                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q107                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q108                | 6-550-632-01 s | TRANSISTOR 2SC4672-T100-Q  |
| Q109                | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q  |
| Q110                | 8-729-928-37 s | TRANSISTOR DTA114EE-TL     |
| Q111                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q112                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q113                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q301                | 8-729-929-09 s | TRANSISTOR DTC123JE-TL     |
| Q302                | 8-729-929-09 s | TRANSISTOR DTC123JE-TL     |
| Q303                | 8-729-929-09 s | TRANSISTOR DTC123JE-TL     |
| Q304                | 8-729-929-09 s | TRANSISTOR DTC123JE-TL     |
| Q601                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR    |
| Q602                | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR    |
| Q603                | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q604                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q605                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q606                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q607                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q608                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q609                | 8-729-929-09 s | TRANSISTOR DTC123JE-TL     |
| Q610                | 8-729-929-09 s | TRANSISTOR DTC123JE-TL     |
| Q611                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q701                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q702                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q703                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q704                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q705                | 8-729-928-91 s | TRANSISTOR DTC114EE-TL     |
| Q801                | 8-729-929-09 s | TRANSISTOR DTC123JE-TL     |
| Q1201               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1202               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1203               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL     |
| Q1204               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL     |
| Q1205               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL     |
| Q1206               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR    |
| Q1207               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1208               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1209               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1210               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1211               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL     |
| Q1212               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR    |
| Q1213               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1214               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1215               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL     |
| Q1216               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR    |
| Q1217               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1218               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1219               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL     |
| Q1220               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR    |
| Q1221               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1222               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |
| Q1223               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL     |
| Q1224               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR    |
| Q1301               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL     |
| Q1302               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |



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| Ref. No.<br>or Q'ty | Part No.       | SP Description              |
|---------------------|----------------|-----------------------------|
| Q1303               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1304               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1405               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL      |
| Q1406               | 6-550-980-01 s | TR RN1904                   |
| Q1407               | 6-551-743-01 s | TR SSM6P15FE                |
| Q1408               | 6-551-743-01 s | TR SSM6P15FE                |
| Q1409               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL      |
| Q1501               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1502               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1503               | 6-551-743-01 s | TR SSM6P15FE                |
| Q1504               | 6-551-743-01 s | TR SSM6P15FE                |
| Q1505               | 6-551-041-01 s | TR RN4904                   |
| Q1506               | 6-551-041-01 s | TR RN4904                   |
| Q1601               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L   |
| Q1602               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L   |
| Q1603               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL      |
| Q1604               | 6-550-980-01 s | TR RN1904                   |
| Q1605               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1606               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1607               | 6-551-743-01 s | TR SSM6P15FE                |
| Q1608               | 6-551-743-01 s | TR SSM6P15FE                |
| Q1609               | 6-551-041-01 s | TR RN4904                   |
| Q1610               | 6-551-041-01 s | TR RN4904                   |
| Q1611               | 6-551-743-01 s | TR SSM6P15FE                |
| Q1612               | 6-551-743-01 s | TR SSM6P15FE                |
| Q1613               | 6-551-041-01 s | TR RN4904                   |
| Q1614               | 6-551-041-01 s | TR RN4904                   |
| Q1801               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL      |
| Q1802               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1803               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1804               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1805               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL      |
| Q1807               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1809               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1810               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1812               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1813               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1814               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1815               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1816               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1817               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1818               | 6-551-041-01 s | TR RN4904                   |
| Q1901               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL      |
| Q1902               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1903               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1904               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1905               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL      |
| Q1907               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1909               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1910               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1911               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L   |
| Q1912               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L   |
| Q1913               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1914               | 6-550-632-01 s | TRANSISTOR 2SC4672-T100-Q   |
| Q1915               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |
| Q1918               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1919               | 8-729-013-37 s | TRANSISTOR 2SC4213-AB-TE85L |
| Q1920               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1921               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q1922               | 6-551-041-01 s | TR RN4904                   |
| Q1923               | 6-551-041-01 s | TR RN4904                   |
| Q1924               | 6-551-041-01 s | TR RN4904                   |
| Q2001               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL      |
| Q2002               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR     |
| Q2003               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL      |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| Q2004               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q2005               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2006               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q2007               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2008               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL    |
| Q2009               | 6-551-041-01 s | TR RN4904                 |
| Q2010               | 6-551-041-01 s | TR RN4904                 |
| Q2011               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2012               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2013               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q2014               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2017               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2018               | 6-551-041-01 s | TR RN4904                 |
| Q2020               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2021               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2023               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2024               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2025               | 6-550-632-01 s | TRANSISTOR 2SC4672-T100-Q |
| Q2026               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL    |
| Q2027               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2028               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL    |
| Q2029               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q2030               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2031               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q2032               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2033               | 8-729-928-91 s | TRANSISTOR DTC114EE-TL    |
| Q2034               | 6-551-041-01 s | TR RN4904                 |
| Q2036               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2037               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2038               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR   |
| Q2039               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2042               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2043               | 6-551-041-01 s | TR RN4904                 |
| Q2045               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2046               | 8-729-231-96 s | TRANSISTOR 2SK880GR-TE85L |
| Q2048               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2049               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2050               | 6-551-041-01 s | TR RN4904                 |
| R1                  | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R2                  | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R3                  | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R4                  | 1-220-878-81 s | RES, CHIP 22 (1005)       |
| R5                  | 1-220-878-81 s | RES, CHIP 22 (1005)       |
| R6                  | 1-220-878-81 s | RES, CHIP 22 (1005)       |
| R7                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R8                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R101                | 1-208-871-81 s | RES, CHIP 220 (1005)      |
| R104                | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| R105                | 1-208-871-81 s | RES, CHIP 220 (1005)      |
| R107                | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| R108                | 1-208-871-81 s | RES, CHIP 220 (1005)      |
| R109                | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| R110                | 1-208-935-81 s | RES, CHIP 100K (1005)     |
| R111                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R112                | 1-208-891-81 s | RES, CHIP 1.5K (1005)     |
| R113                | 1-208-903-81 s | RES, CHIP 4.7K (1005)     |
| R114                | 1-208-883-81 s | RES, CHIP 680 (1005)      |
| R115                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R116                | 1-208-919-81 s | RES, CHIP 22K (1005)      |
| R117                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R118                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R119                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R120                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R121                | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R122                | 1-208-919-81 s | RES, CHIP 22K (1005)      |

**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R124                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R126                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R127                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R128                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R129                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R130                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R131                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R133                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R134                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R135                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R136                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R137                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R138                | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R139                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R141                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R142                | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R143                | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R144                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R145                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R146                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R147                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R148                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R149                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R150                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R151                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R152                | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R153                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R154                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R155                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R156                | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R157                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R158                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R159                | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R160                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R161                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R162                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R163                | 1-218-859-91 s | RES, CHIP 3.3K (1608) |
| R164                | 1-218-859-91 s | RES, CHIP 3.3K (1608) |
| R165                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R166                | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R167                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R168                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R301                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R302                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R303                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R304                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R305                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R306                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R308                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R313                | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R314                | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R315                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R316                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R317                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R319                | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R320                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R321                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R322                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R323                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R324                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R325                | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R326                | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R327                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R328                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R329                | 1-208-911-81 s | RES, CHIP 10K (1005)  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R330                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R331                | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R332                | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R333                | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R335                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R336                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R337                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R338                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R339                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R340                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R341                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R342                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R343                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R348                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R349                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R350                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R351                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R352                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R353                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R370                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R371                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R401                | 1-208-875-81 s | RES, CHIP 330 (1005)  |
| R402                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R403                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R412                | 1-208-959-81 s | RES, CHIP 1M (1005)   |
| R413                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R414                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R415                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R416                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R418                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R419                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R420                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R421                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R422                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R423                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R424                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R425                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R426                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R427                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R428                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R429                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R430                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R431                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R432                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R433                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R434                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R435                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R437                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R438                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R439                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R440                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R441                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R443                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R445                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R446                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R447                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R448                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R449                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R450                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R451                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R452                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R501                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R502                | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R503                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R504                | 1-208-927-81 s | RES, CHIP 47K (1005)  |



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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R646                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R647                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R648                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R649                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R650                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R651                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R652                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R653                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R654                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R655                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R656                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R657                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R658                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R659                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R660                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R661                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R662                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R663                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R664                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R665                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R666                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R667                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R668                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R669                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R670                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R671                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R672                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R673                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R674                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R675                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R676                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R677                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R678                | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R679                | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R680                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R681                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R682                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R683                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R684                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R685                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R686                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R687                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R688                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R689                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R701                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R702                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R703                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R704                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R705                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R706                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R707                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R708                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R709                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R710                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R711                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R712                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R713                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R714                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R715                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R716                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R717                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R718                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R719                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R720                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R721                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R722                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R723                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R724                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R725                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R726                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R727                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R728                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R729                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R730                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R731                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R732                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R733                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R734                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R735                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R736                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R737                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R738                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R739                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R740                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R741                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R742                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R743                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R744                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R745                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R746                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R747                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R748                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R749                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R750                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R751                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R752                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R753                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R754                | 1-208-875-81 s | RES, CHIP 330 (1005)  |
| R755                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R756                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R757                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R758                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R759                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R760                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R761                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R762                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R764                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R765                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R766                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R767                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R768                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R769                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R770                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R771                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R772                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R801                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R802                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R803                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R804                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R805                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R806                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R807                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R808                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R809                | 1-208-939-81 s | RES, CHIP 150K (1005) |
| R810                | 1-208-931-81 s | RES, CHIP 68K (1005)  |
| R812                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R813                | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R814                | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R815                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R816                | 1-208-919-81 s | RES, CHIP 22K (1005)  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R817                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R818                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R819                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R820                | 1-208-931-81 s | RES, CHIP 68K (1005)  |
| R821                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R822                | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R823                | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R824                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R825                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R826                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R827                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R828                | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R829                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R830                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R831                | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R832                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R833                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R834                | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R835                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R836                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R837                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R838                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R839                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R840                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R841                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R842                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R843                | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R844                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R845                | 1-208-907-81 s | RES, CHIP 6.8K (1005) |
| R846                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R847                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R848                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R849                | 1-208-907-81 s | RES, CHIP 6.8K (1005) |
| R850                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R851                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R852                | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R854                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R855                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R856                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R857                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R858                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R859                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R860                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R861                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R862                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R863                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R864                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R865                | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R866                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R867                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R868                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R869                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R870                | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R871                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R872                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R873                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R874                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R875                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R876                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R877                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R902                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R904                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R905                | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R906                | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R907                | 1-208-855-81 s | RES, CHIP 47 (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R908                | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R909                | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R910                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R911                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R913                | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R914                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R915                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R917                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R919                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R921                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R922                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R923                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R924                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R925                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R926                | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R1001               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1002               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1003               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1004               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1005               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1006               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1007               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1008               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1009               | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R1010               | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R1011               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R1012               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R1013               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1014               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1015               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R1016               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1017               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1018               | 1-218-989-81 s | RES, CHIP 1M          |
| R1019               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1020               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1021               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1022               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1023               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1024               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1025               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1026               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1027               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1028               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1029               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1030               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1031               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1032               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1035               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1036               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1037               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1038               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1039               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1040               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1041               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1042               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1043               | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R1103               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1104               | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R1105               | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R1106               | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R1107               | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R1108               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1109               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1110               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1111               | 1-208-863-81 s | RES, CHIP 100 (1005)  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R1112               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1113               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1114               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1115               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1116               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R1117               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R1120               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1121               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1124               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1126               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1130               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R1131               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R1132               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1133               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1151               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1152               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1153               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1154               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1155               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1159               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1160               | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R1161               | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R1162               | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R1163               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R1164               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1166               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1168               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1169               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1170               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R1171               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1172               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1173               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1175               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1176               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1177               | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R1178               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1179               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1180               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1181               | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R1182               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1183               | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R1184               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1185               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R1186               | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R1187               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1188               | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R1190               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1191               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1192               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R1193               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1194               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1195               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1196               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1197               | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R1198               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1199               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1200               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1201               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1202               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1203               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1204               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1205               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1206               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1207               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1208               | 1-208-863-81 s | RES, CHIP 100 (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R1209               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1210               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1211               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1212               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1213               | 1-208-859-81 s | RES, CHIP 68 (1005)   |
| R1214               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1215               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1216               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1217               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1218               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1219               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1220               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1221               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1222               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1223               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1224               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1225               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1226               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1227               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1228               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1229               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1230               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1231               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1232               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1233               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1234               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1235               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1236               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1237               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1238               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1239               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1240               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1241               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1242               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1243               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1244               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1245               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1246               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1247               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1248               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R1250               | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R1251               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1254               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1255               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1256               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1257               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1258               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1259               | 1-208-867-81 s | RES, CHIP 150 (1005)  |
| R1260               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R1261               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1262               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1263               | 1-208-875-81 s | RES, CHIP 330 (1005)  |
| R1265               | 1-208-875-81 s | RES, CHIP 330 (1005)  |
| R1266               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1267               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1268               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1269               | 1-208-875-81 s | RES, CHIP 330 (1005)  |
| R1271               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1272               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R1274               | 1-208-883-81 s | RES, CHIP 680 (1005)  |
| R1275               | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R1276               | 1-208-939-81 s | RES, CHIP 150K (1005) |
| R1277               | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R1278               | 1-208-939-81 s | RES, CHIP 150K (1005) |
| R1280               | 1-208-859-81 s | RES, CHIP 68 (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R1281               | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R1284               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1285               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1288               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1289               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1290               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1291               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1294               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1295               | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R1296               | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R1297               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R1298               | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R1299               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1301               | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R1302               | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R1303               | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R1304               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1305               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R1306               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1307               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1308               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1309               | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R1310               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1311               | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R1312               | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R1313               | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R1314               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1315               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1316               | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R1317               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1318               | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R1319               | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R1320               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R1321               | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R1323               | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R1326               | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R1327               | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R1328               | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R1329               | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R1330               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1331               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1332               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1333               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R1334               | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R1335               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1336               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1337               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1338               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1339               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1340               | 1-208-955-81 s | RES, CHIP 680K (1005)  |
| R1341               | 1-208-951-81 s | RES, CHIP 470K (1005)  |
| R1342               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1343               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1344               | 1-208-939-81 s | RES, CHIP 150K (1005)  |
| R1345               | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R1346               | 1-208-955-81 s | RES, CHIP 680K (1005)  |
| R1347               | 1-208-875-81 s | RES, CHIP 330 (1005)   |
| R1348               | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R1349               | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R1350               | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R1352               | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R1353               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1354               | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R1355               | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R1356               | 1-208-863-81 s | RES, CHIP 100 (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R1358               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1359               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1360               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1361               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1365               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1366               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1367               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1368               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1401               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1402               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1403               | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R1404               | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R1405               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1407               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1411               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1412               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1413               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1414               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R1415               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1416               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R1417               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1418               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1419               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1420               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1421               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1422               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1423               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1424               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1425               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1426               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R1427               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R1430               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1431               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1432               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1433               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1434               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1435               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1436               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1437               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1438               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1439               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1440               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1441               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1442               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1443               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1444               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R1448               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1449               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1451               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1452               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1453               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1454               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1455               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1456               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1457               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1458               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1459               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1460               | 1-208-955-81 s | RES, CHIP 680K (1005) |
| R1461               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1462               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1463               | 1-208-959-81 s | RES, CHIP 1M (1005)   |
| R1464               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1465               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1466               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1467               | 1-208-959-81 s | RES, CHIP 1M (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R1468               | 1-208-959-81 s | RES, CHIP 1M (1005)   |
| R1469               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1470               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1501               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1502               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R1503               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1504               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1505               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1506               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1507               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1508               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R1509               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1511               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1513               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1514               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1515               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1516               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1517               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1518               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1519               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1520               | 1-208-883-81 s | RES, CHIP 680 (1005)  |
| R1521               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1522               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1523               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1524               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1525               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1526               | 1-208-883-81 s | RES, CHIP 680 (1005)  |
| R1528               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1529               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1530               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1531               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1532               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1533               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1534               | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R1535               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1536               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1537               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1538               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1539               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1540               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1541               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1542               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R1543               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R1544               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1545               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1546               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1547               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1548               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1549               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1550               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1551               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1552               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1553               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1554               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1555               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1556               | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R1557               | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R1558               | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R1559               | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R1560               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1561               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1562               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1564               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1565               | 1-208-915-81 s | RES, CHIP 15K (1005)  |
| R1566               | 1-208-915-81 s | RES, CHIP 15K (1005)  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R1567               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1568               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1569               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1570               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1571               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1572               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1573               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1575               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1577               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1578               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1579               | 1-220-253-91 s | RES, SQUARE TYPE CHIP 47(3225) |
| R1580               | 1-220-253-91 s | RES, SQUARE TYPE CHIP 47(3225) |
| R1581               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1582               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1583               | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R1584               | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R1585               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1586               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1587               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1588               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1589               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1590               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1591               | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R1592               | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R1651               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1652               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1653               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1654               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1655               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1656               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1657               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1658               | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R1659               | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R1660               | 1-208-891-81 s | RES, CHIP 1.5K (1005)          |
| R1661               | 1-208-891-81 s | RES, CHIP 1.5K (1005)          |
| R1662               | 1-208-891-81 s | RES, CHIP 1.5K (1005)          |
| R1663               | 1-208-891-81 s | RES, CHIP 1.5K (1005)          |
| R1664               | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R1665               | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R1666               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1667               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1668               | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R1669               | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R1670               | 1-208-855-81 s | RES, CHIP 47 (1005)            |
| R1671               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1672               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R1673               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R1674               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1675               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1676               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1677               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R1678               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1679               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1680               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1681               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1682               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1683               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1684               | 1-218-989-81 s | RES, CHIP 1M                   |
| R1685               | 1-218-989-81 s | RES, CHIP 1M                   |
| R1686               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1687               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1688               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1689               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1690               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R1691               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |



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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R1692               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1693               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1694               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R1695               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R1696               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R1697               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R1698               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1699               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1700               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1701               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1702               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1703               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1704               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1706               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1708               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1709               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1710               | 1-220-253-91 s | RES, SQUARE TYPE CHIP 47(3225) |
| R1711               | 1-220-253-91 s | RES, SQUARE TYPE CHIP 47(3225) |
| R1712               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1713               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1718               | 1-220-878-81 s | RES, CHIP 22 (1005)            |
| R1719               | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R1720               | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R1721               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1722               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1723               | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R1724               | 1-208-959-81 s | RES, CHIP 1M (1005)            |
| R1725               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1726               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R1727               | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R1728               | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R1801               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R1802               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R1803               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1804               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1805               | 1-208-891-81 s | RES, CHIP 1.5K (1005)          |
| R1806               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1807               | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R1808               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1809               | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R1810               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R1811               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1812               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1813               | 1-208-931-81 s | RES, CHIP 68K (1005)           |
| R1814               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1815               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1816               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1817               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1818               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1819               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1820               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1821               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1822               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1823               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R1824               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1825               | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R1826               | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R1827               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1828               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1829               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1830               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1831               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1832               | 1-208-867-81 s | RES, CHIP 150 (1005)           |
| R1833               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1834               | 1-220-870-81 s | RES, CHIP 10 (1005)            |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R1835               | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R1836               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R1837               | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R1839               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1840               | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R1841               | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R1842               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1843               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1844               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1845               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1846               | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R1847               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1848               | 1-208-879-81 s | RES, CHIP 470 (1005)           |
| R1849               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1850               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1851               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1852               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1853               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1854               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R1855               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R1856               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1857               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1858               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1859               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1860               | 1-220-870-81 s | RES, CHIP 10 (1005)            |
| R1861               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R1863               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1865               | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R1866               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1867               | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R1868               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R1870               | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R1871               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1872               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1873               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1875               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R1876               | 1-218-989-81 s | RES, CHIP 1M                   |
| R1878               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R1879               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1880               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1882               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R1884               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1885               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R1887               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1888               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R1889               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R1890               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1891               | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R1892               | 1-208-899-81 s | RES, CHIP 3.3K (1005)          |
| R1893               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1894               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1895               | 1-220-253-91 s | RES, SQUARE TYPE CHIP 47(3225) |
| R1896               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1897               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1898               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R1899               | 1-220-253-91 s | RES, SQUARE TYPE CHIP 47(3225) |
| R1900               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1902               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1904               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1905               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1907               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1908               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1909               | 1-208-871-81 s | RES, CHIP 220 (1005)           |
| R1910               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R1911               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R1912               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1913               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1914               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1915               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1916               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1917               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1919               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1920               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1921               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R1922               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1923               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R1924               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R1925               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R1951               | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R1952               | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R1953               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1954               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1955               | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R1956               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1957               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1958               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R1959               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R1960               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1961               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1962               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1963               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R1964               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1965               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1966               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1967               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R1968               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1969               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R1970               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1971               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1972               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R1973               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R1974               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R1976               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1977               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R1978               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R1979               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1980               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1981               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1982               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R1983               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R1984               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R1985               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R1986               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1987               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1989               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1991               | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R1992               | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R1997               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1998               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R1999               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2000               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R2002               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2004               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2005               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2007               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2008               | 1-208-923-81 s | RES, CHIP 33K (1005)  |
| R2009               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2012               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R2013               | 1-218-989-81 s | RES, CHIP 1M          |
| R2014               | 1-218-989-81 s | RES, CHIP 1M          |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R2016               | 1-218-989-81 s | RES, CHIP 1M                   |
| R2017               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2018               | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R2019               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R2020               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R2021               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R2022               | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R2023               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R2024               | 1-208-943-81 s | RES, CHIP 220K (1005)          |
| R2025               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R2027               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R2028               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R2029               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R2031               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2032               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R2033               | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R2034               | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R2035               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R2036               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2037               | 1-220-253-91 s | RES, SQUARE TYPE CHIP 47(3225) |
| R2038               | 1-218-823-91 s | RES, CHIP 100 (1608)           |
| R2039               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2040               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2041               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2042               | 1-218-823-91 s | RES, CHIP 100 (1608)           |
| R2043               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2044               | 1-218-823-91 s | RES, CHIP 100 (1608)           |
| R2045               | 1-220-253-91 s | RES, SQUARE TYPE CHIP 47(3225) |
| R2046               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2047               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R2048               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2049               | 1-208-923-81 s | RES, CHIP 33K (1005)           |
| R2050               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R2051               | 1-218-823-91 s | RES, CHIP 100 (1608)           |
| R2052               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R2053               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R2054               | 1-208-935-81 s | RES, CHIP 100K (1005)          |
| R2055               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2056               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2057               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2058               | 1-208-915-81 s | RES, CHIP 15K (1005)           |
| R2059               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R2060               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R2063               | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R2064               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R2065               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2066               | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |
| R2067               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2068               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2069               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2070               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2071               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R2072               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2073               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2074               | 1-216-833-91 s | RES, CHIP 10K (1608)           |
| R2075               | 1-216-833-91 s | RES, CHIP 10K (1608)           |
| R2101               | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R2102               | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R2103               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2104               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R2105               | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R2106               | 1-208-911-81 s | RES, CHIP 10K (1005)           |
| R2107               | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R2108               | 1-218-871-91 s | RES, CHIP 10K (1608)           |
| R2109               | 1-208-911-81 s | RES, CHIP 10K (1005)           |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R2110               | 1-216-837-91 s | RES, CHIP 22K (1608)  |
| R2111               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2112               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2113               | 1-216-837-91 s | RES, CHIP 22K (1608)  |
| R2114               | 1-218-871-91 s | RES, CHIP 10K (1608)  |
| R2115               | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R2116               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2117               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R2118               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2119               | 1-220-882-81 s | RES, CHIP 33 (1005)   |
| R2120               | 1-218-827-91 s | RES, CHIP 150 (1608)  |
| R2121               | 1-220-882-81 s | RES, CHIP 33 (1005)   |
| R2122               | 1-218-827-91 s | RES, CHIP 150 (1608)  |
| R2123               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2124               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2125               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2126               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2128               | 1-218-989-81 s | RES, CHIP 1M          |
| R2130               | 1-218-989-81 s | RES, CHIP 1M          |
| R2131               | 1-208-907-81 s | RES, CHIP 6.8K (1005) |
| R2132               | 1-218-989-81 s | RES, CHIP 1M          |
| R2133               | 1-208-907-81 s | RES, CHIP 6.8K (1005) |
| R2134               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R2135               | 1-218-871-91 s | RES, CHIP 10K (1608)  |
| R2136               | 1-216-837-91 s | RES, CHIP 22K (1608)  |
| R2137               | 1-218-989-81 s | RES, CHIP 1M          |
| R2138               | 1-216-837-91 s | RES, CHIP 22K (1608)  |
| R2139               | 1-218-871-91 s | RES, CHIP 10K (1608)  |
| R2140               | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R2141               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2142               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2143               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2144               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2145               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2146               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2147               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2148               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2149               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2150               | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R2151               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2152               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R2153               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R2154               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R2155               | 1-218-989-81 s | RES, CHIP 1M          |
| R2156               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2157               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R2158               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R2159               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2160               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2161               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2162               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R2164               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2165               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2166               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2167               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R2168               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R2169               | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R2170               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2171               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2172               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2173               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R2174               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R2175               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2176               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R2177               | 1-208-935-81 s | RES, CHIP 100K (1005) |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R2178               | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R2179               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2180               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2181               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2182               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R2183               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2184               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2185               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2186               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2187               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R2188               | 1-218-871-91 s | RES, CHIP 10K (1608)  |
| R2189               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2190               | 1-216-837-91 s | RES, CHIP 22K (1608)  |
| R2191               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2192               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2193               | 1-216-837-91 s | RES, CHIP 22K (1608)  |
| R2194               | 1-218-871-91 s | RES, CHIP 10K (1608)  |
| R2195               | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R2196               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2197               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R2198               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2199               | 1-220-882-81 s | RES, CHIP 33 (1005)   |
| R2200               | 1-218-827-91 s | RES, CHIP 150 (1608)  |
| R2201               | 1-220-882-81 s | RES, CHIP 33 (1005)   |
| R2202               | 1-218-827-91 s | RES, CHIP 150 (1608)  |
| R2203               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2204               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2205               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2206               | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R2208               | 1-218-989-81 s | RES, CHIP 1M          |
| R2210               | 1-218-989-81 s | RES, CHIP 1M          |
| R2211               | 1-208-907-81 s | RES, CHIP 6.8K (1005) |
| R2212               | 1-218-989-81 s | RES, CHIP 1M          |
| R2213               | 1-208-907-81 s | RES, CHIP 6.8K (1005) |
| R2214               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R2215               | 1-218-871-91 s | RES, CHIP 10K (1608)  |
| R2216               | 1-216-837-91 s | RES, CHIP 22K (1608)  |
| R2217               | 1-218-989-81 s | RES, CHIP 1M          |
| R2218               | 1-216-837-91 s | RES, CHIP 22K (1608)  |
| R2219               | 1-218-871-91 s | RES, CHIP 10K (1608)  |
| R2220               | 1-208-943-81 s | RES, CHIP 220K (1005) |
| R2221               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2222               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2223               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2224               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2225               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2226               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2227               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2228               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2229               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2230               | 1-208-855-81 s | RES, CHIP 47 (1005)   |
| R2231               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2232               | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R2233               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R2234               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R2235               | 1-218-989-81 s | RES, CHIP 1M          |
| R2236               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2237               | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R2238               | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R2239               | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R2240               | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R2241               | 1-220-870-81 s | RES, CHIP 10 (1005)   |
| R2242               | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R2244               | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R2245               | 1-208-911-81 s | RES, CHIP 10K (1005)  |

**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| R2246               | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R2247               | 1-208-899-81 s | RES, CHIP 3.3K (1005)     |
| R2248               | 1-208-879-81 s | RES, CHIP 470 (1005)      |
| R2249               | 1-208-855-81 s | RES, CHIP 47 (1005)       |
| R2250               | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R2251               | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R2252               | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R2253               | 1-208-879-81 s | RES, CHIP 470 (1005)      |
| R2254               | 1-208-919-81 s | RES, CHIP 22K (1005)      |
| R2255               | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R2256               | 1-208-879-81 s | RES, CHIP 470 (1005)      |
| R2257               | 1-208-935-81 s | RES, CHIP 100K (1005)     |
| R2258               | 1-208-935-81 s | RES, CHIP 100K (1005)     |
| R2259               | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R2260               | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| R2261               | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| R2262               | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| R2263               | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| RB301               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB302               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB303               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB304               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB305               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB306               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB312               | 1-234-369-21 s | RES, NETWORK 10 (1005X4)  |
| RB313               | 1-234-378-21 s | RES, NETWORK 10K (1005X4) |
| RB314               | 1-234-378-21 s | RES, NETWORK 10K (1005X4) |
| RB315               | 1-234-378-21 s | RES, NETWORK 10K (1005X4) |
| RB316               | 1-234-378-21 s | RES, NETWORK 10K (1005X4) |
| RB317               | 1-234-378-21 s | RES, NETWORK 10K (1005X4) |
| RB318               | 1-234-378-21 s | RES, NETWORK 10K (1005X4) |
| RB401               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB402               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB403               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB404               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB405               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB406               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB407               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB408               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB409               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)  |
| RB410               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB411               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB412               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)  |
| RB413               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)  |
| RB414               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)  |
| RB415               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)  |
| RB601               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB701               | 1-234-380-21 s | RES, NETWORK 47K (1005X4) |
| RB702               | 1-234-380-21 s | RES, NETWORK 47K (1005X4) |
| RB703               | 1-234-380-21 s | RES, NETWORK 47K (1005X4) |
| RB704               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB705               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB706               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)  |
| RB707               | 1-234-371-21 s | RES, NETWORK 47 (1005X4)  |
| RB708               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB709               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB710               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB711               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB712               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB713               | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |
| RB714               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB715               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB716               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB717               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB718               | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |

**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.         | SP Description                |
|---------------------|------------------|-------------------------------|
| RB719               | 1-234-370-21 s   | RES, NETWORK 22 (1005X4)      |
| RB720               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB721               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB722               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB723               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB724               | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)     |
| RB801               | 1-234-370-21 s   | RES, NETWORK 22 (1005X4)      |
| RB802               | 1-234-370-21 s   | RES, NETWORK 22 (1005X4)      |
| RB901               | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)     |
| RB902               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB903               | 1-234-370-21 s   | RES, NETWORK 22 (1005X4)      |
| RB904               | 1-234-370-21 s   | RES, NETWORK 22 (1005X4)      |
| RB905               | 1-234-370-21 s   | RES, NETWORK 22 (1005X4)      |
| RB906               | 1-234-370-21 s   | RES, NETWORK 22 (1005X4)      |
| RB907               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB908               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB909               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB910               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB911               | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB1101              | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB1102              | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)     |
| RB1103              | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)     |
| RB1104              | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)     |
| RB1105              | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)     |
| RB1201              | 1-234-378-21 s   | RES, NETWORK 10K (1005X4)     |
| RB1401              | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB1501              | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB1502              | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB1503              | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB1601              | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB1602              | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RB1603              | 1-234-372-21 s   | RES, NETWORK 100 (1005X4)     |
| RV1901              | 1-225-793-21 s   | RES, ADJ, CERMET 20K          |
| S3                  | 1-771-796-21 s   | SWITCH, SLIDE                 |
| S301                | 1-771-709-41 s   | SWITCH, SLIDE                 |
| S601                | 1-786-725-21 s   | SWITCH, TACTILE               |
| S901                | 1-692-270-41 s   | SWITCH, SLIDE                 |
| THP1                | △ 1-802-063-21 s | THERMISTOR, POSITIVE          |
| THP101              | △ 1-803-615-21 s | THERMISTOR, POSITIVE          |
| THP102              | △ 1-803-615-21 s | THERMISTOR, POSITIVE          |
| THP103              | △ 1-803-615-21 s | THERMISTOR, POSITIVE          |
| TP1                 | 1-780-408-11 o   | TERMINAL, LUG                 |
| TP2                 | 1-780-408-11 o   | TERMINAL, LUG                 |
| TP3                 | 1-780-408-11 o   | TERMINAL, LUG                 |
| TP301               | 1-535-877-22 s   | CHIP, CHECKER                 |
| TP1301              | 1-535-877-22 s   | CHIP, CHECKER                 |
| X401                | 1-813-052-21 s   | VIBRATOR, CRYSTAL (25 MHz)    |
| X1001               | 1-813-253-12 s   | OSCILLATOR, CRYSTAL (VCXO) 5V |

**TG-276S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1896-069-A y | MOUNT, TG-276S                 |
| C2                  | 1-126-391-21 s | CAP, CHIP ELECT 47MF (5X5.7)   |
| C3                  | 1-126-391-21 s | CAP, CHIP ELECT 47MF (5X5.7)   |
| C4                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C5                  | 1-162-927-91 s | CAP, CERAMIC 100PF CH 1608     |
| C6                  | 1-162-927-91 s | CAP, CERAMIC 100PF CH 1608     |
| C8                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |

**TG-276S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C9                  | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C10                 | 1-114-549-11 s | CAP, NIOBIUM ELECT 47UF        |
| C11                 | 1-114-549-11 s | CAP, NIOBIUM ELECT 47UF        |
| C12                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C13                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C14                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C15                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C16                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C17                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C18                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C19                 | 1-164-850-81 s | CAP, CHIP CERAMIC 10PF CH 1005 |
| C20                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C21                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C22                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C23                 | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C24                 | 1-112-815-91 s | CAP, CERAMIC 10MF C (1608)     |
| C25                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C26                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C27                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C28                 | 1-114-549-11 s | CAP, NIOBIUM ELECT 47UF        |
| C29                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C30                 | 1-114-549-11 s | CAP, NIOBIUM ELECT 47UF        |
| C32                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C38                 | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C40                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C42                 | 1-114-548-11 s | CAP, NIOBIUM ELECT 22UF        |
| C43                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C45                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C46                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C47                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C48                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C49                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C50                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C51                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C52                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C53                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C54                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C55                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C56                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C57                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C58                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C59                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C60                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C61                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C62                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C63                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C64                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C65                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C66                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C67                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C68                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C69                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C70                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C71                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C72                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C73                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C74                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C75                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C76                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C77                 | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C78                 | 1-100-611-91 s | CAP, CERAMIC 22MF C (2012)     |
| C79                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C80                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C81                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C82                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |

**TG-276S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C83                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C84                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C85                 | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C86                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C87                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C88                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C89                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C90                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C91                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C92                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C93                 | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C219                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| CN1                 | 1-778-451-31 s | CONNECTOR, FFC/FPC(ZIF) AN 50P |
| CN2                 | 1-770-627-21 s | PIN, CONNECTOR 10P             |
| CN3                 | 1-770-449-21 s | CONNECTOR, BOARD T1 BOARD 70P  |
| D1                  | 6-503-235-01 s | DI DA3J101F0L                  |
| ET1                 | 1-780-627-11 s | TERMINAL, LUG                  |
| ET2                 | 1-780-627-11 s | TERMINAL, LUG                  |
| ET3                 | 1-780-627-11 s | TERMINAL, LUG                  |
| ET4                 | 1-780-627-11 s | TERMINAL, LUG                  |
| FB2                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB3                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB4                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB5                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB6                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB7                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB8                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB9                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB10                | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| IC3                 | 6-709-647-01 s | IC TLC2932AIPWR                |
| IC4                 | 6-704-976-01 s | IC ADR381ARTZ-REEL7            |
| IC5                 | 6-704-571-01 s | IC TLC7703IPWR                 |
| IC6                 | 8-759-669-66 s | IC TLC272CPWR-12               |
| IC7                 | 6-706-487-01 s | IC TC7SH08FU                   |
| IC8                 | 6-711-852-01 s | IC LTC1844ES5-BYP              |
| IC9                 | 6-711-852-01 s | IC LTC1844ES5-BYP              |
| IC11                | 8-759-327-01 s | IC NJM062V (TE2)               |
| IC14                | 6-710-210-01 s | IC TPS73101DBVRG4              |
| IC16                | 8-759-573-97 s | IC SN74LVC541APWR              |
| IC17                | 8-759-592-42 s | IC TC7SZ00FU (TE85R)           |
| IC19                | 8-759-592-49 s | IC TC7SZ125FU (TE85R)          |
| IC20                | 8-759-592-49 s | IC TC7SZ125FU (TE85R)          |
| IC21                | 8-759-592-49 s | IC TC7SZ125FU (TE85R)          |
| IC22                | 8-759-592-49 s | IC TC7SZ125FU (TE85R)          |
| IC23                | 8-759-592-44 s | IC TC7SZ04FU (TE85R)           |
| IC214               | 6-705-449-01 s | IC HN58W241000I                |
| L1                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH           |
| L2                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH           |
| L4                  | 1-481-593-21 s | INDUCTOR, CHIP 22UH            |
| L5                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH           |
| L6                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH           |
| L7                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH           |
| L203                | 1-416-948-21 s | COIL, CHOKE (SMD) 10UH         |
| Q1                  | 6-550-632-01 s | TRANSISTOR 2SC4672-T100-Q      |
| Q2                  | 8-729-026-84 s | TRANSISTOR 2SC4215Y-TE85L      |
| Q3                  | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q      |
| R5                  | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R6                  | 1-208-895-81 s | RES, CHIP 2.2K (1005)          |
| R7                  | 1-208-919-81 s | RES, CHIP 22K (1005)           |
| R8                  | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R9                  | 1-208-927-81 s | RES, CHIP 47K (1005)           |
| R10                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)          |

**TG-276S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R11                 | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R12                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R13                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R16                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R17                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R18                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R19                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R20                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R21                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R22                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R23                 | 1-208-879-81 s | RES, CHIP 470 (1005)   |
| R24                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R25                 | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R26                 | 1-243-975-81 s | RES, CHIP 4.7M (1005)  |
| R27                 | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R28                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R29                 | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R30                 | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R31                 | 1-208-883-81 s | RES, CHIP 680 (1005)   |
| R32                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R33                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R34                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R35                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R36                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R37                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R38                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R40                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R41                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R42                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R43                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R44                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R45                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R46                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R47                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R80                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R81                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R82                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R83                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R84                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R85                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R86                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R91                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R92                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R93                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R94                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R95                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R96                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R97                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R98                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R99                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R100                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R101                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R102                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R103                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R104                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R105                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R106                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R107                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R108                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R109                | 1-220-870-81 s | RES, CHIP 10 (1005)    |
| R111                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R112                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R113                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R114                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R115                | 1-220-870-81 s | RES, CHIP 10 (1005)    |

**TG-276S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| R120                | 1-208-855-81 s | RES, CHIP 47 (1005)       |
| R121                | 1-220-878-81 s | RES, CHIP 22 (1005)       |
| R122                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R123                | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| R124                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R127                | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R129                | 1-208-855-81 s | RES, CHIP 47 (1005)       |
| R130                | 1-220-878-81 s | RES, CHIP 22 (1005)       |
| R132                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R134                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R141                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R142                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R146                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R147                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R149                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R150                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R151                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R154                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R155                | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R156                | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R157                | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R158                | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R159                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R160                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R161                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R162                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R163                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R164                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R165                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R182                | 1-220-870-81 s | RES, CHIP 10 (1005)       |
| R183                | 1-208-863-81 s | RES, CHIP 100 (1005)      |
| R184                | 1-208-863-81 s | RES, CHIP 100 (1005)      |
| R194                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R195                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R196                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R197                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R198                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R264                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R265                | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R266                | 1-208-863-81 s | RES, CHIP 100 (1005)      |
| R267                | 1-208-863-81 s | RES, CHIP 100 (1005)      |
| RB1                 | 1-234-370-21 s | RES, NETWORK 22 (1005X4)  |
| RB4                 | 1-234-372-21 s | RES, NETWORK 100 (1005X4) |

**VA-243S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1896-070-A s | MOUNTED CIRCUIT BOARD, VA-243S |
| C1                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C2                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C3                  | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C5                  | 1-164-843-81 s | CAP, CHIP CERAMIC 3PF CJ 1005  |
| C8                  | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C11                 | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C12                 | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C13                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C14                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C15                 | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C16                 | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C17                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C18                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |

**VA-243S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C19                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C20                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C21                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C22                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C23                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C24                 | 1-164-848-81 s | CAP, CHIP CERAMIC 8PF CH 1005  |
| C25                 | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C26                 | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| C27                 | 1-164-874-81 s | CAP,CHIP CERAMIC 100PF CH 1005 |
| C31                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C32                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C34                 | 1-164-844-81 s | CAP, CHIP CERAMIC 4PF CH 1005  |
| C35                 | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C36                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C37                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C39                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C40                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C41                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C42                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C43                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C44                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C47                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C48                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C49                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C50                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C51                 | 1-165-884-91 s | CAP, CERAMIC 2.2MF (1608)      |
| C52                 | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C60                 | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C61                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C62                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C63                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C64                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C65                 | 1-165-884-91 s | CAP, CERAMIC 2.2MF (1608)      |
| C66                 | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C67                 | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C69                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C70                 | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C72                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C73                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C74                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C75                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C76                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C77                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C78                 | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C79                 | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C80                 | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C81                 | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C82                 | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C83                 | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C84                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C85                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C86                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C87                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C95                 | 1-164-845-81 s | CAP, CHIP CERAMIC 5PF CH 1005  |
| C97                 | 1-114-528-21 s | CAP, ELECT 150MF               |
| C98                 | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C106                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C107                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C108                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C109                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C110                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C111                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C112                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C113                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C114                | 1-116-099-11 s | CAP, ELECT 100MF 105           |

**VA-243S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C115                | 1-114-528-21 s | CAP, ELECT 150MF               |
| C117                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C118                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C119                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C120                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C121                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C122                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C123                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C124                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C125                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C126                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C127                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C128                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C129                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C130                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C131                | 1-116-340-11 s | CAP, ELECT 22MF 105            |
| C132                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C133                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C134                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C135                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C141                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C142                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C409                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C410                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C411                | 1-126-396-21 s | CAP, CHIP ELECT 47MF (6.3X5.7) |
| C412                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C414                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C415                | 1-162-927-91 s | CAP, CERAMIC 100PF CH 1608     |
| C416                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C417                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C418                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C419                | 1-114-386-11 s | CAP, NIOBIUM ELECT 100MF 105   |
| C500                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C501                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C502                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C503                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C505                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C507                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C508                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C509                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C510                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C511                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C513                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C515                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C516                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C517                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C518                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C519                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C521                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C523                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| CN3                 | 1-778-451-31 s | CONNECTOR, FFC/FPC(ZIF) AN 50P |
| CN4                 | 1-778-451-31 s | CONNECTOR, FFC/FPC(ZIF) AN 50P |
| CN5                 | 1-778-451-31 s | CONNECTOR, FFC/FPC(ZIF) AN 50P |
| CN401               | 1-770-454-21 s | CONNECTOR, BOARD TO BOARD 70P  |
| CN405               | 1-779-522-31 s | CONNECTOR, FFC/FPC(ZIF) AN 40P |
| ET401               | 1-780-627-11 s | TERMINAL, LUG                  |
| ET402               | 1-780-627-11 s | TERMINAL, LUG                  |
| ET403               | 1-780-627-11 s | TERMINAL, LUG                  |
| ET404               | 1-780-627-11 s | TERMINAL, LUG                  |
| FB1                 | 1-469-100-21 s | FERRITE, EMI (SMD) (1608)      |
| FB401               | 1-400-832-21 s | SMD EMI FERRITE                |
| IC1                 | 8-759-592-42 s | IC TC7SZ00FU(TE85R)            |
| IC2                 | 8-759-592-42 s | IC TC7SZ00FU(TE85R)            |
| IC4                 | 8-759-327-01 s | IC NJM062V(TE2)                |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| IC5                 | 8-759-488-34 s | IC TLV2221CDBV            |
| IC6                 | 6-701-844-01 s | IC TC74VCX16823FT (EL)    |
| IC8                 | 6-700-225-01 s | IC TC74VCX157FT (EL)      |
| IC9                 | 6-700-225-01 s | IC TC74VCX157FT (EL)      |
| IC11                | 8-759-592-47 s | IC TC7S208FU (TE85R)      |
| IC12                | 6-701-844-01 s | IC TC74VCX16823FT (EL)    |
| IC13                | 6-704-976-01 s | IC ADR381ARTZ-REEL7       |
| IC14                | 8-759-327-01 s | IC NJM062V (TE2)          |
| IC17                | 6-701-844-01 s | IC TC74VCX16823FT (EL)    |
| IC18                | 6-710-988-01 s | IC TC74VCX16843 (EL, F)   |
| IC19                | 6-700-225-01 s | IC TC74VCX157FT (EL)      |
| IC20                | 6-700-225-01 s | IC TC74VCX157FT (EL)      |
| IC21                | 6-700-225-01 s | IC TC74VCX157FT (EL)      |
| IC22                | 6-700-225-01 s | IC TC74VCX157FT (EL)      |
| IC23                | 6-700-225-01 s | IC TC74VCX157FT (EL)      |
| IC24                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC25                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC26                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC27                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC32                | 6-700-225-01 s | IC TC74VCX157FT (EL)      |
| IC36                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC37                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC38                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC39                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC40                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC41                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC42                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC43                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC44                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC45                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC46                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC47                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC48                | 8-759-592-47 s | IC TC7S208FU (TE85R)      |
| IC49                | 8-759-592-47 s | IC TC7S208FU (TE85R)      |
| IC50                | 8-759-592-47 s | IC TC7S208FU (TE85R)      |
| IC51                | 8-759-592-47 s | IC TC7S208FU (TE85R)      |
| IC52                | 8-759-592-47 s | IC TC7S208FU (TE85R)      |
| IC55                | 6-703-181-01 s | IC TC74VCX74FT (EL)       |
| IC59                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC60                | 6-700-599-01 s | IC TC7SA08FU (TE85R)      |
| IC402               | 8-759-672-76 s | IC AK9813BF-E2            |
| IC500               | 6-706-863-01 s | IC LMH6732MFX/NOPB        |
| IC501               | 6-706-863-01 s | IC LMH6732MFX/NOPB        |
| IC502               | 6-706-863-01 s | IC LMH6732MFX/NOPB        |
| IC503               | 6-706-863-01 s | IC LMH6732MFX/NOPB        |
| IC504               | 6-706-863-01 s | IC LMH6732MFX/NOPB        |
| IC505               | 6-706-863-01 s | IC LMH6732MFX/NOPB        |
| L1                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH      |
| L2                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH      |
| L4                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH      |
| L5                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH      |
| L6                  | 1-414-392-41 s | INDUCTOR (SMD) 1.0UH      |
| L7                  | 1-457-455-11 s | CHOKE COIL 10UH           |
| L8                  | 1-414-467-41 s | INDUCTOR, CHIP (J) 22NH   |
| Q1                  | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q2                  | 8-729-209-73 s | TRANSISTOR 2SA1213Y-TE12L |
| Q3                  | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR   |
| Q4                  | 8-729-209-73 s | TRANSISTOR 2SA1213Y-TE12L |
| Q5                  | 6-550-631-01 s | TRANSISTOR 2SA1797-T100-Q |
| Q6                  | 6-551-719-01 o | TRANSISTOR 2SC5876T106QR  |
| R3                  | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R4                  | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| R5                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| R6                  | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R7                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R8                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R9                  | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R10                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R11                 | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R12                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R13                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R14                 | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R15                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R16                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R17                 | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R18                 | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R21                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R22                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R23                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R24                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R26                 | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R27                 | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R34                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R35                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R36                 | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R38                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R39                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R40                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R41                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R42                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R43                 | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R73                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R79                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R82                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R83                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R84                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R85                 | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R86                 | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R87                 | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R88                 | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R89                 | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R90                 | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R98                 | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R99                 | 1-208-907-81 s | RES, CHIP 6.8K (1005)  |
| R100                | 1-208-895-81 s | RES, CHIP 2.2K (1005)  |
| R101                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R102                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R103                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R104                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R105                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R106                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R107                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R108                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R115                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R116                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R117                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R118                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R119                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R120                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R121                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R124                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R125                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R126                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R127                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R128                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R129                | 1-208-903-81 s | RES, CHIP 4.7K (1005)  |
| R130                | 1-208-943-81 s | RES, CHIP 220K (1005)  |
| R131                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R132                | 1-208-871-81 s | RES, CHIP 220 (1005)   |



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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R133                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R151                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R152                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R153                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R157                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R158                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R159                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R160                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R161                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R162                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R166                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R168                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R170                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R172                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R174                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R176                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R177                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R178                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R179                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R180                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R181                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R182                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R192                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R193                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R194                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R195                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R196                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R197                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R198                | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R204                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R205                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R206                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R207                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R208                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R209                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R216                | 1-208-919-81 s | RES, CHIP 22K (1005)   |
| R217                | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R218                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R219                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R220                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R221                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R222                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R223                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R224                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R225                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R226                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R227                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R273                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R280                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R294                | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R295                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R296                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R297                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R298                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R299                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R300                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R301                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R302                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R309                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R310                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R311                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R312                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R313                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R314                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R317                | 1-208-863-81 s | RES, CHIP 100 (1005)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R319                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R320                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R321                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R322                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R323                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R324                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R326                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R328                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R329                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R331                | 1-208-867-81 s | RES, CHIP 150 (1005)   |
| R333                | 1-208-859-81 s | RES, CHIP 68 (1005)    |
| R334                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R335                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R336                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R338                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R344                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R346                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R347                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R348                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R349                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R350                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R352                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R353                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R358                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R359                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R360                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R370                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R371                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R372                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R373                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R374                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R375                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R376                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R377                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R378                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R379                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R380                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R381                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R382                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R383                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R386                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R388                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R389                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R390                | 1-208-911-81 s | RES, CHIP 10K (1005)   |
| R392                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R395                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R396                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R397                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R404                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R405                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R407                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R408                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R410                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R411                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R412                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R416                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R417                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R418                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R424                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R425                | 1-208-855-81 s | RES, CHIP 47 (1005)    |
| R429                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R430                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R431                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R432                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R433                | 1-220-878-81 s | RES, CHIP 22 (1005)    |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R434                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R435                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R436                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R437                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R438                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R439                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R440                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R441                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R500                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R501                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R502                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R503                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R514                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R515                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R518                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R519                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R520                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R521                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R522                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R523                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R526                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R527                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R528                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R529                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R530                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R531                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R532                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R533                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R544                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R545                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R548                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R549                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R550                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R551                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R552                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R553                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R556                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R557                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R558                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R559                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R560                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R561                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R562                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R563                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R564                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R565                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R576                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R577                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R580                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R581                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R582                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R583                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R584                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R585                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R588                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R589                | 1-208-935-81 s | RES, CHIP 100K (1005)  |
| R590                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R591                | 1-208-887-81 s | RES, CHIP 1.0K (1005)  |
| R592                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R593                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R594                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R595                | 1-208-891-81 s | RES, CHIP 1.5K (1005)  |
| R596                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R597                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R598                | 1-208-863-81 s | RES, CHIP 100 (1005)   |

**VA-243S BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R599                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R600                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| R601                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R609                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| X1                  | 1-814-511-11 s | OSCILLATOR, CRYSTAL VCXO 148.3 |
| X2                  | 1-814-512-11 s | OSCILLATOR, CRYSTAL VCXO 148.5 |

6-4. Supplied Accessories

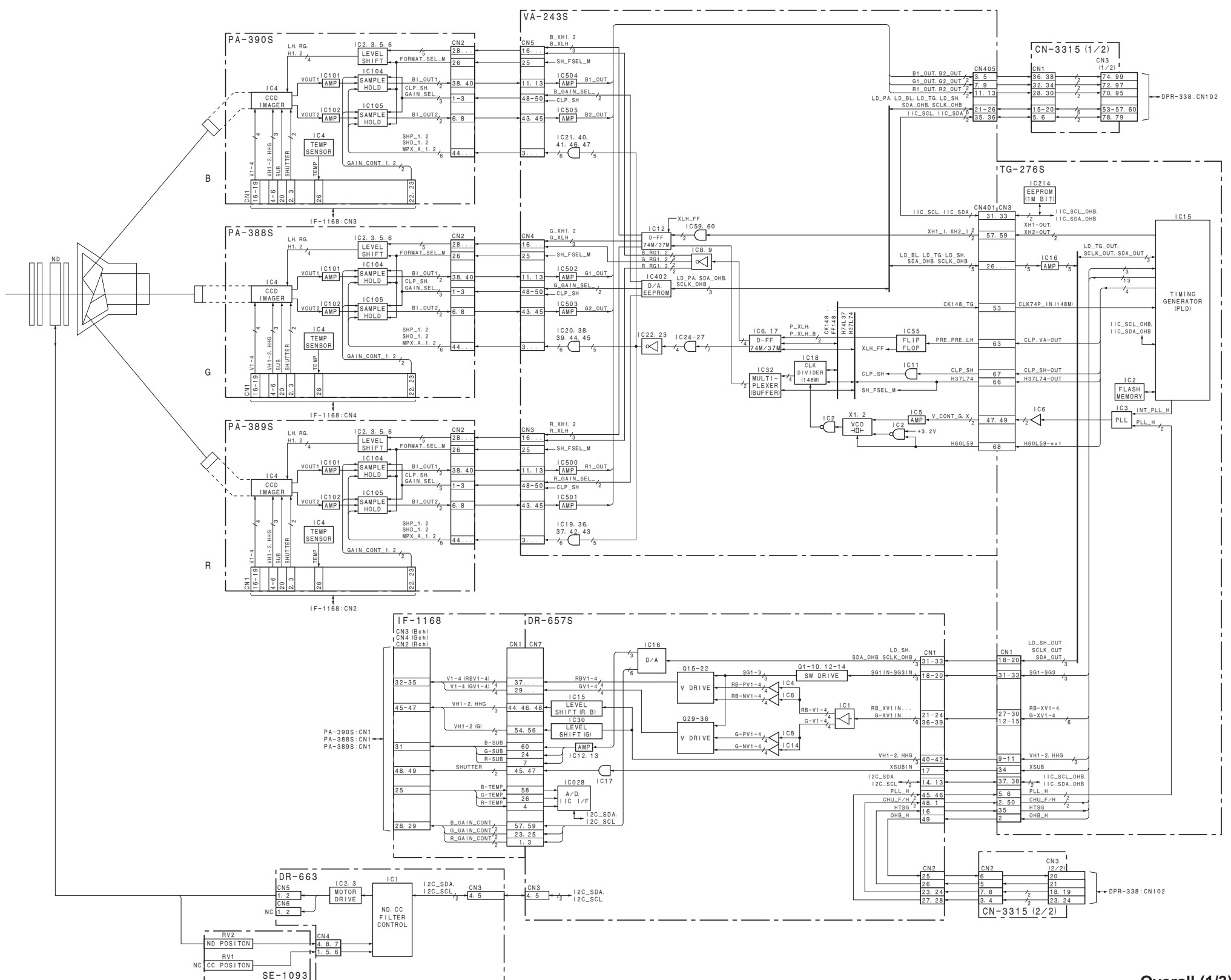
| Q'ty | Part No.       | SP Description                             |
|------|----------------|--------------------------------------------|
| 1pc  | 4-138-677-01   | s BRACKET, BELT                            |
| 1pc  | 4-138-758-01   | s CLAMP BELT, CABLE                        |
| 1pc  | △ 4-439-352-01 | s MANUAL, OPERATION (JAPANESE)<br>(SY, JN) |
| 1pc  | △ 4-439-353-01 | s MANUAL, OPERATION (ENGLISH)              |
| 2pcs | 7-682-548-09   | s SCREW +B 3X8                             |

**6-5. Optional Fixtures**

| Part No.       | SP Description          |
|----------------|-------------------------|
| A-8286-346-A s | PAD ASSY, SHOULDER      |
| X-2583-929-2 s | MOUNT ASSY, SLEEVE BACK |

Section 7  
Block Diagrams

Overall  
Overall (1/3)



Overall (1/3)

**Overall (2/3)**

**Overall (2/3)**



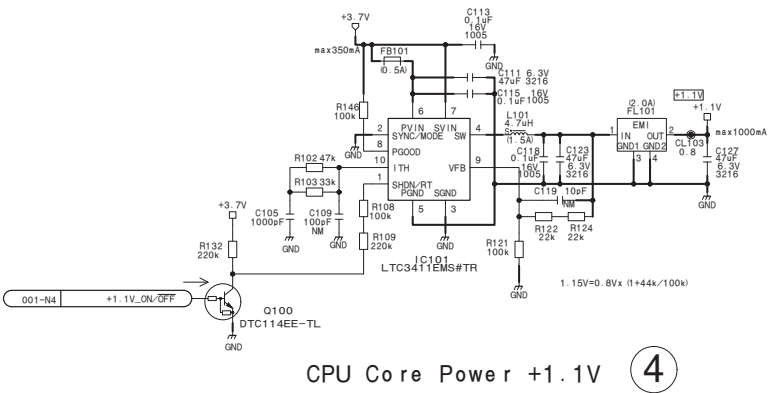
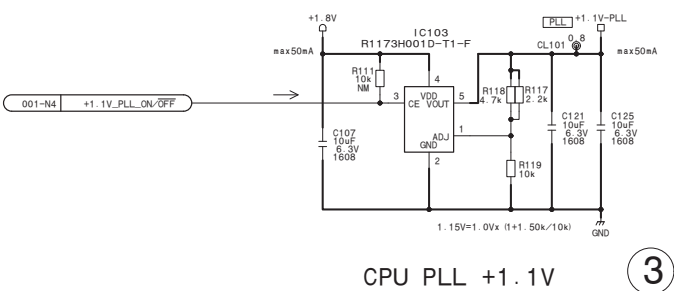
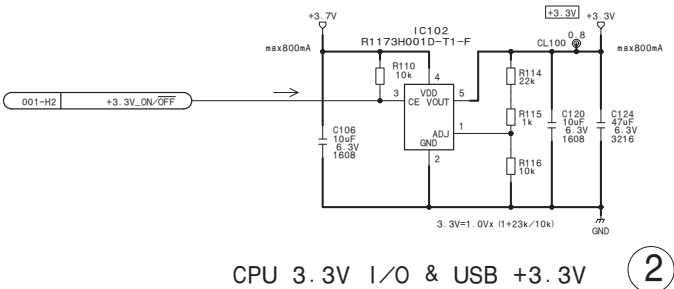
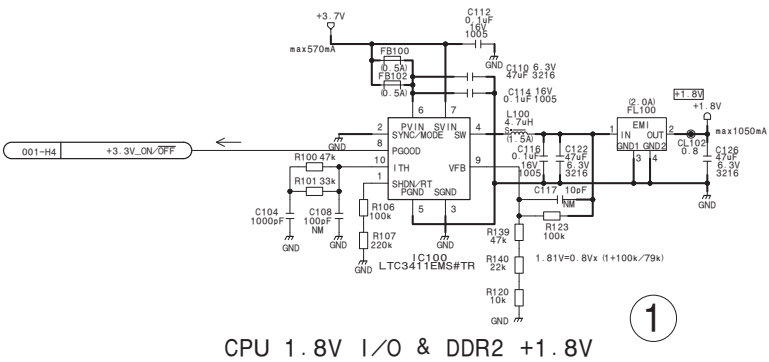
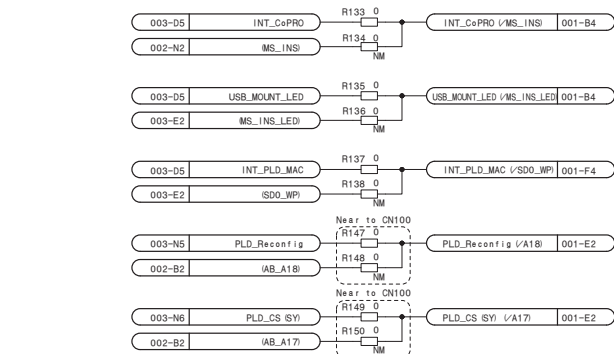
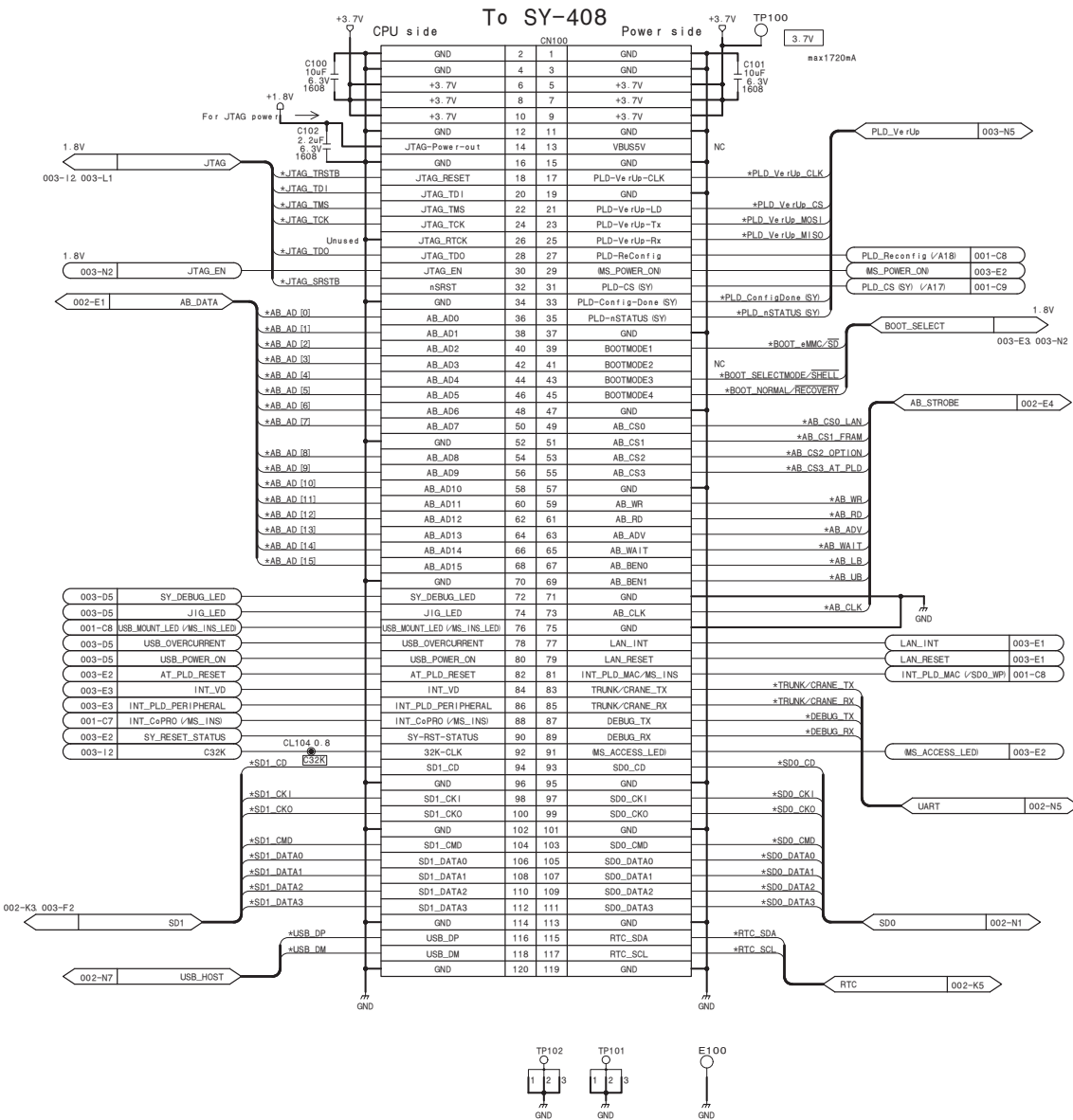




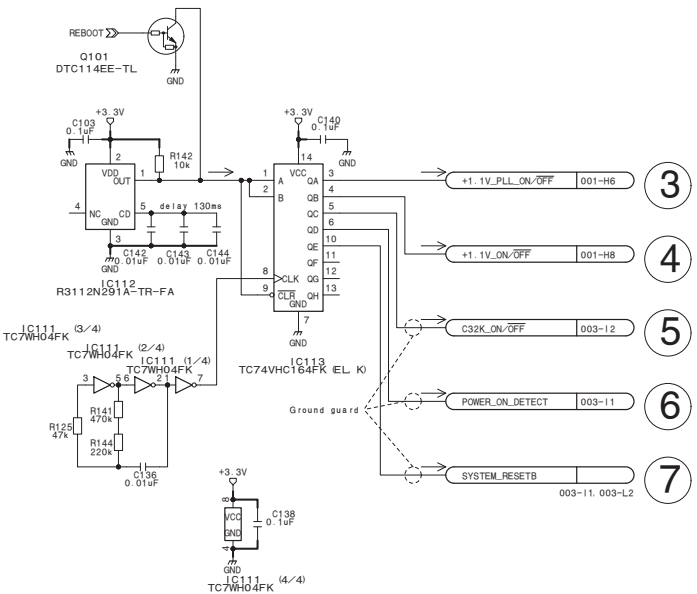
# Section 8

## Schematic Diagrams

AT-189  
AT-189 (1/4)



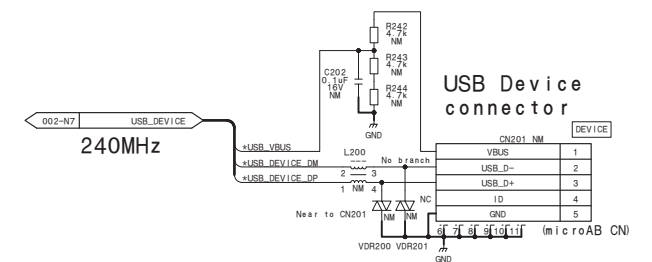
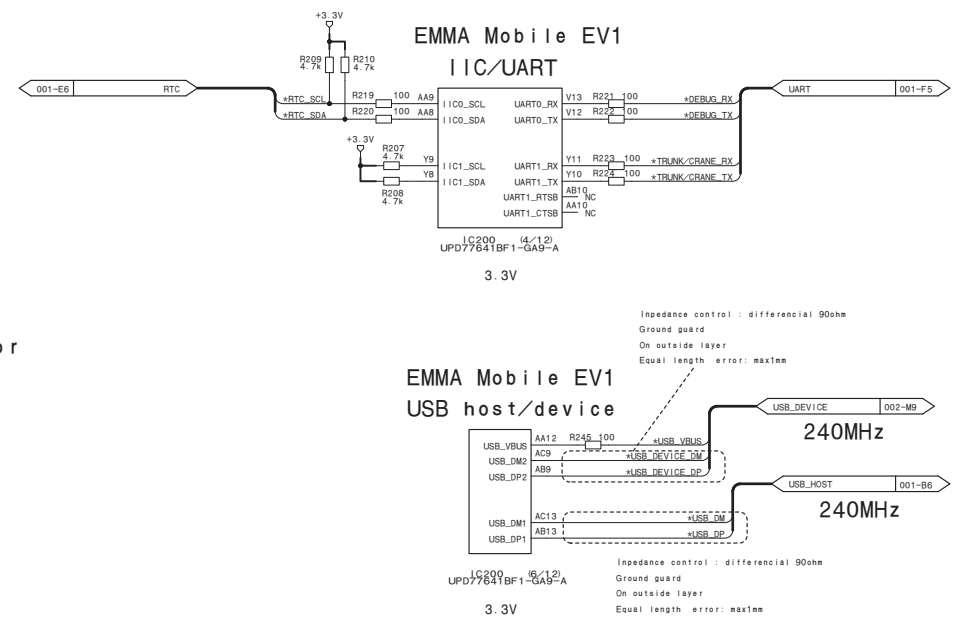
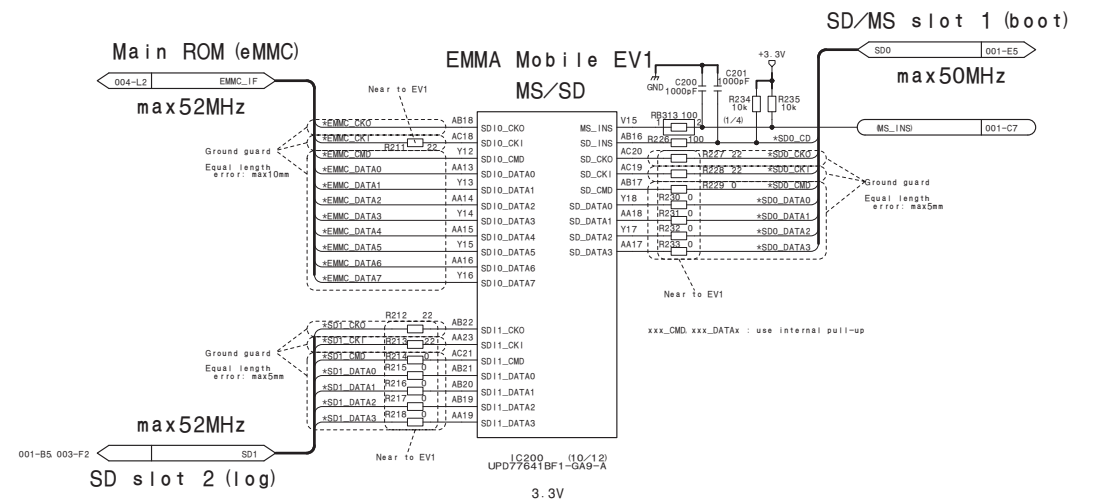
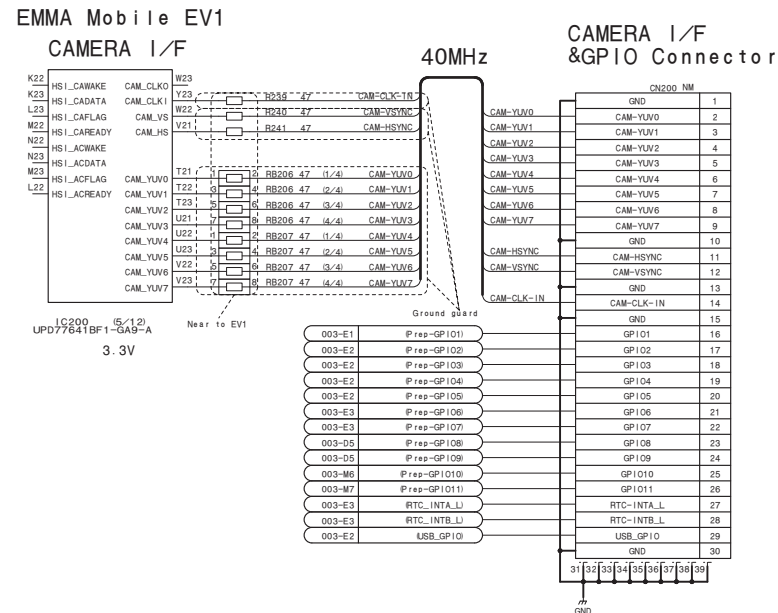
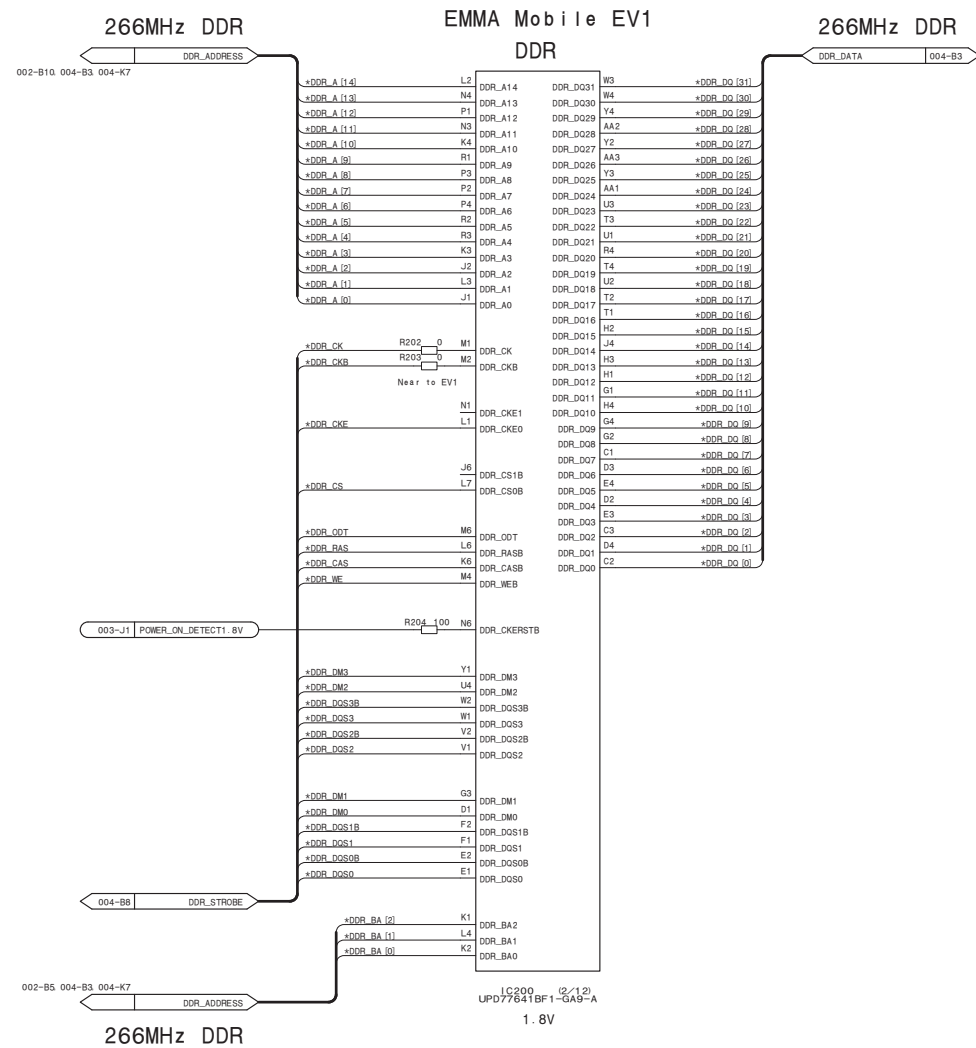
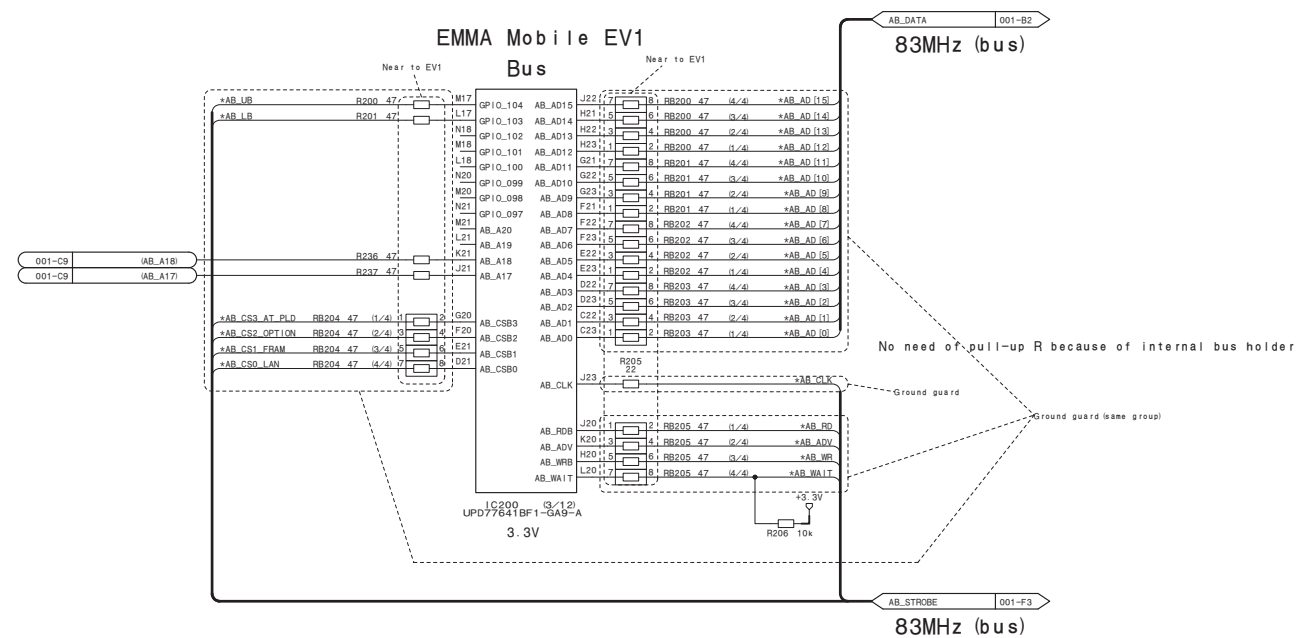
①-⑦ : Reset sequence order



Reset sequence generator  
(interval 10ms)

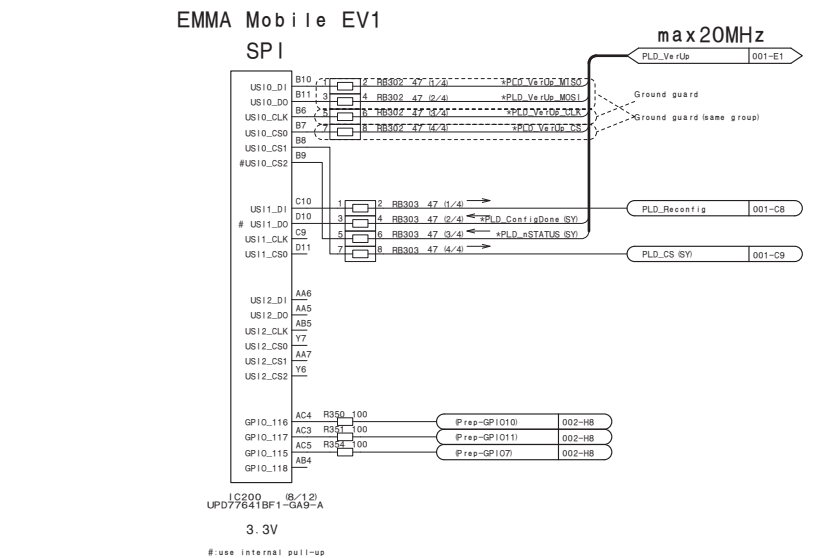
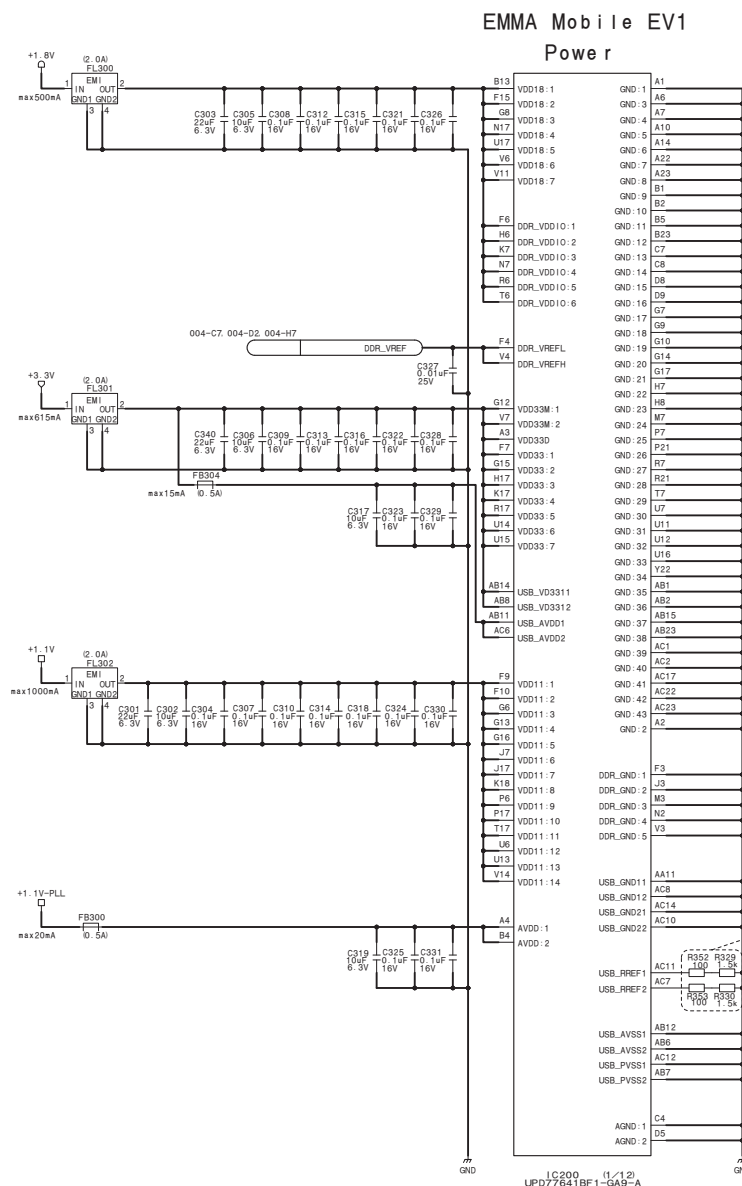
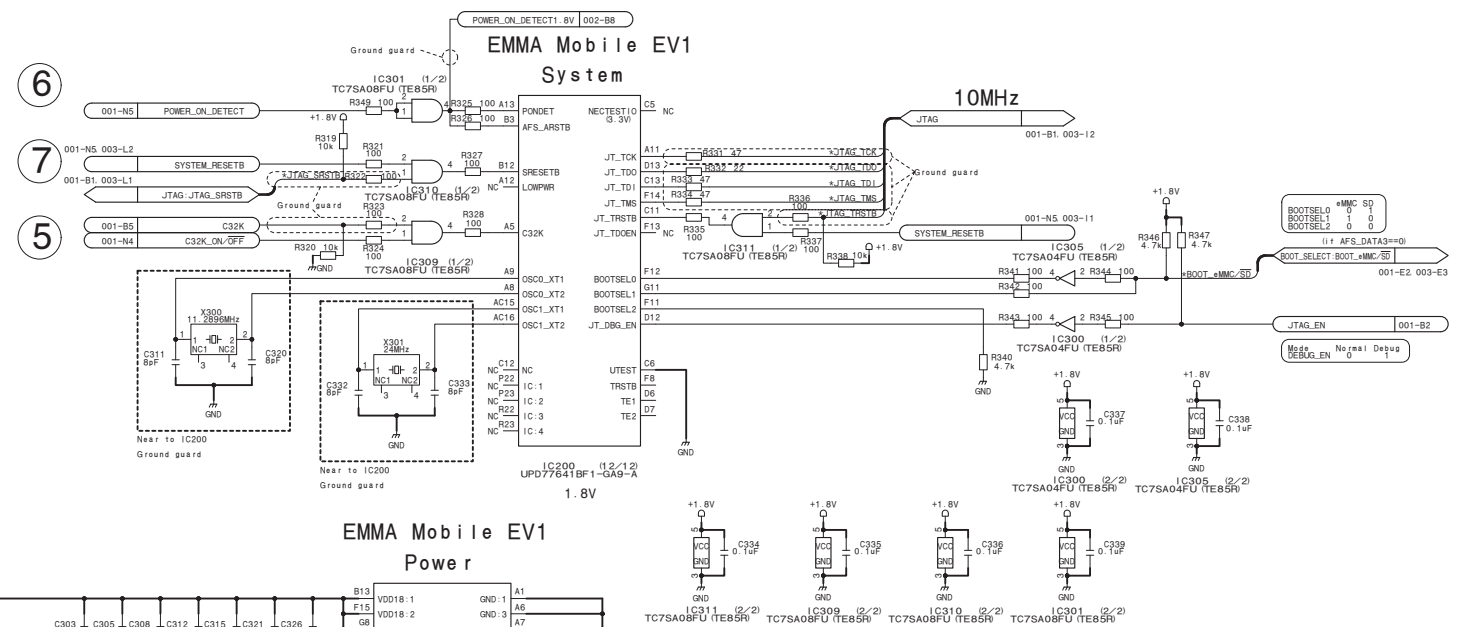
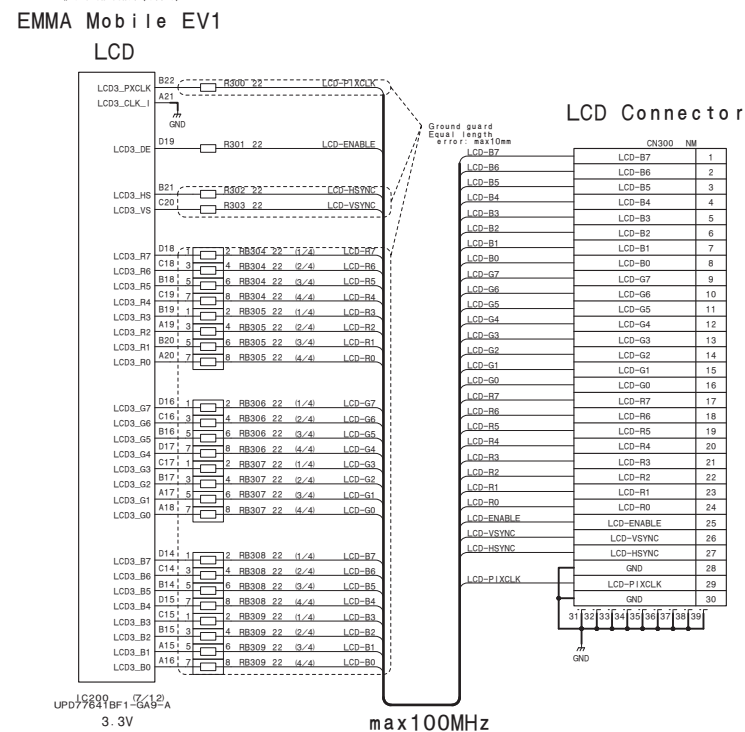
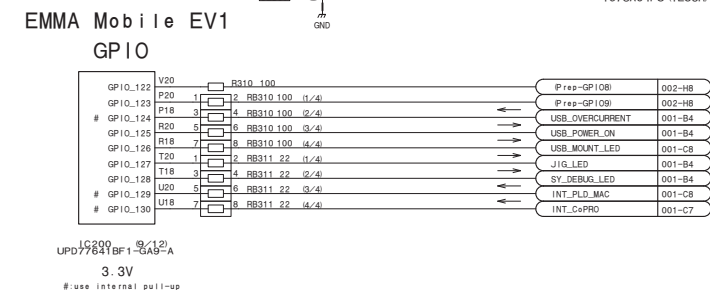
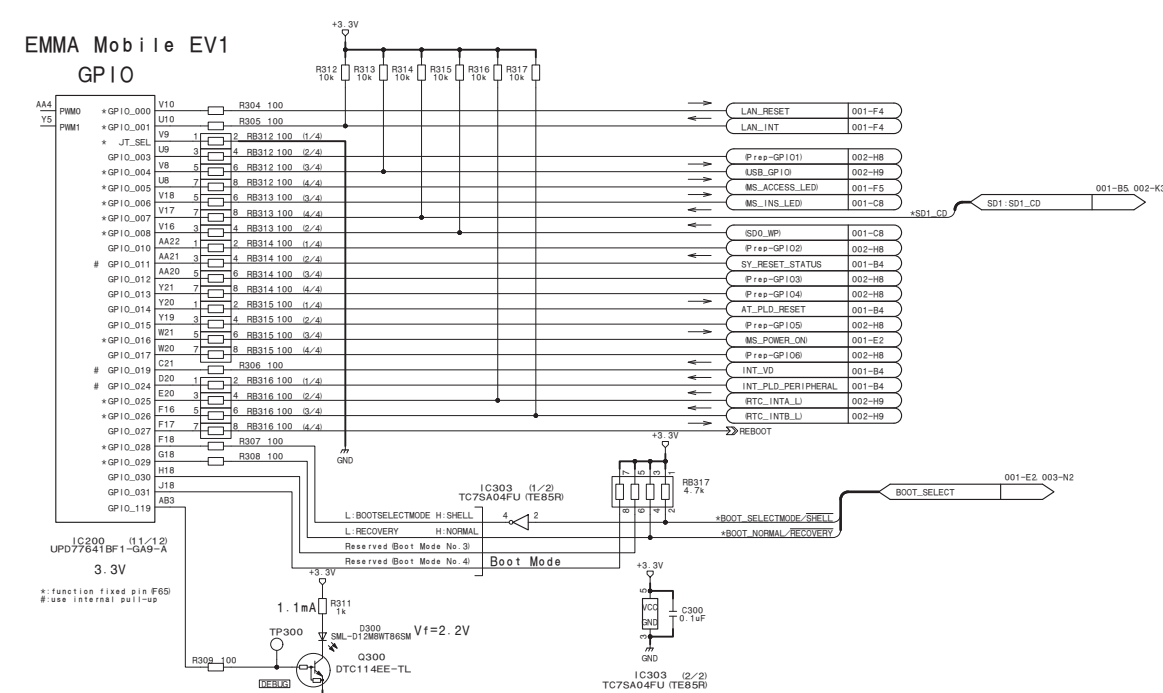
AT-189 (1/4)  
BOARD NO. 1-885-937-11  
AT-189\_1

**AT-189 (2/4)**



**AT-189 (2/4)**  
BOARD NO. 1-885-937-11  
AT-189\_2

**AT-189 (3/4)**



**AT-189 (3/4)**  
BOARD NO. 1-885-937-11  
AT-189\_3

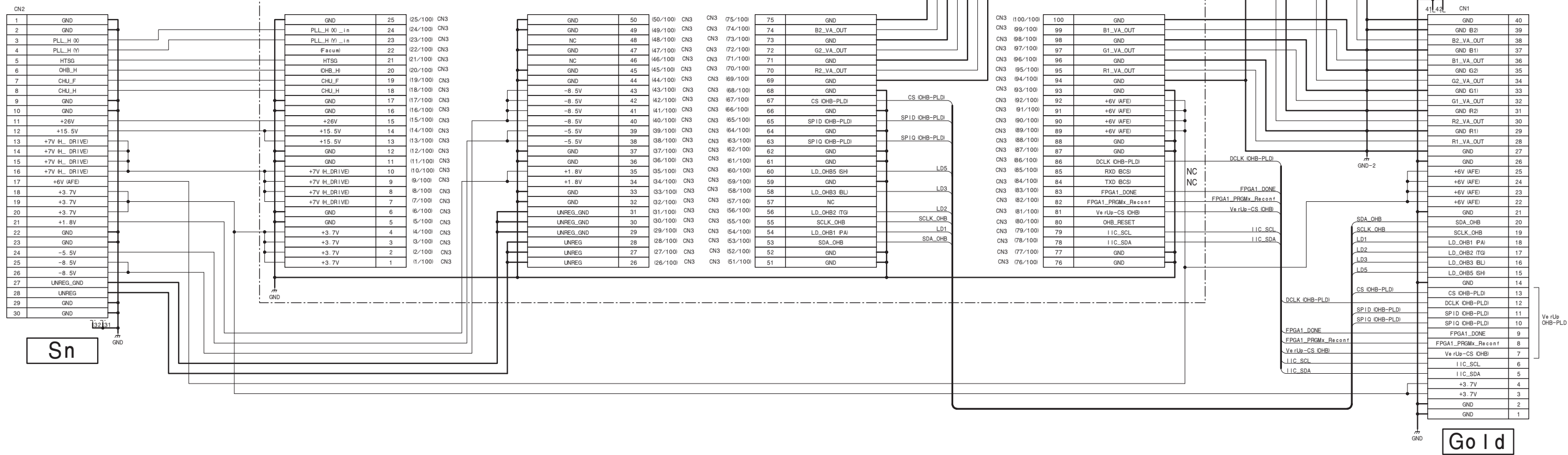


CN-3315

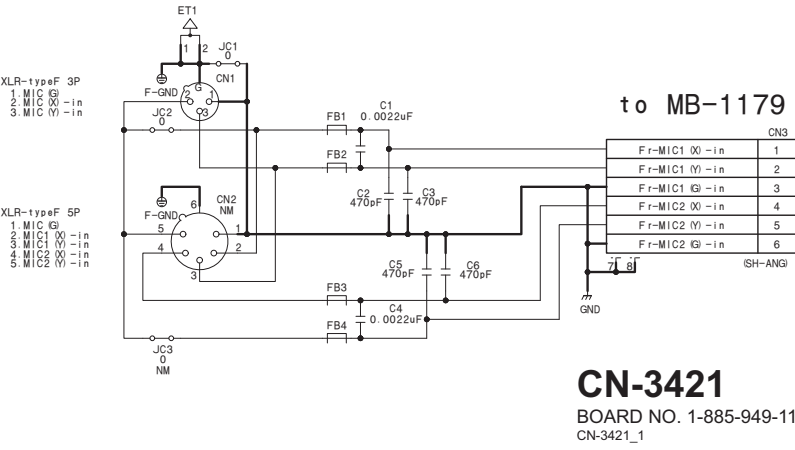
To DR BOAR

To DPR-338  
100pin/ST/Plug

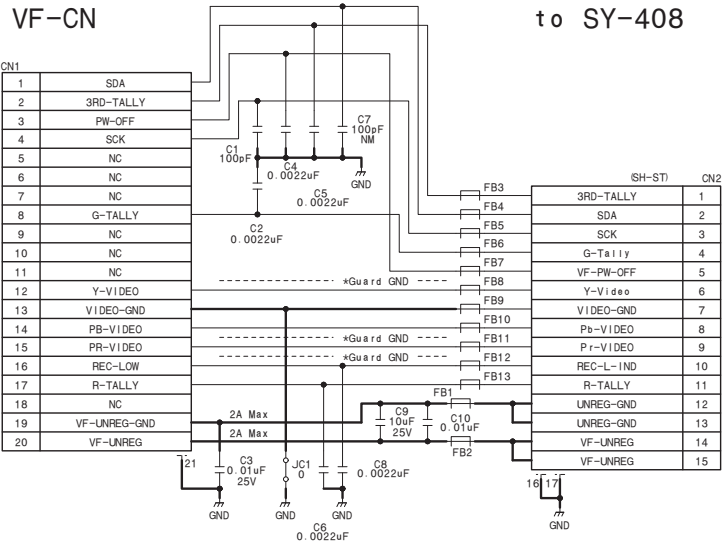
To VA BOAR



CN-3421

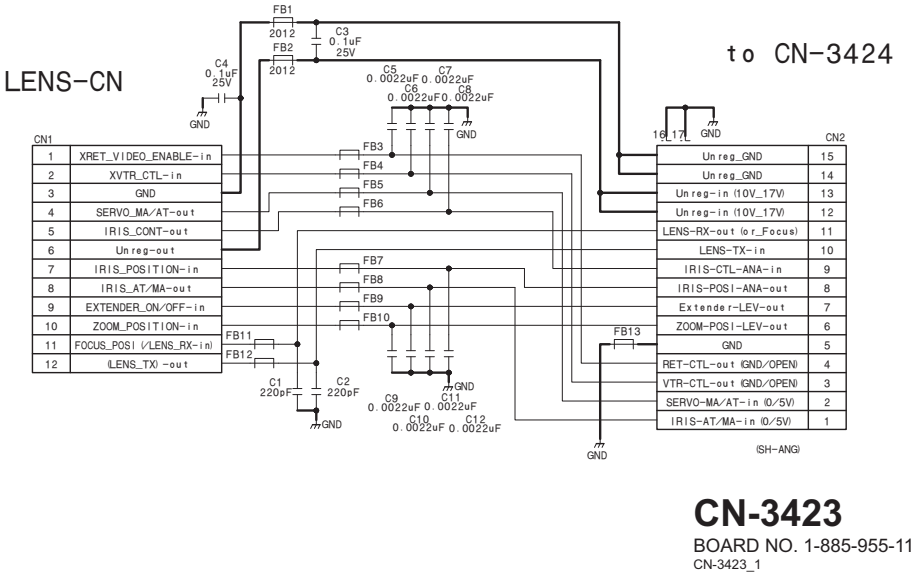


CN-3422



CN-3422  
BOARD NO. 1-885-950-11  
CN-3422\_1

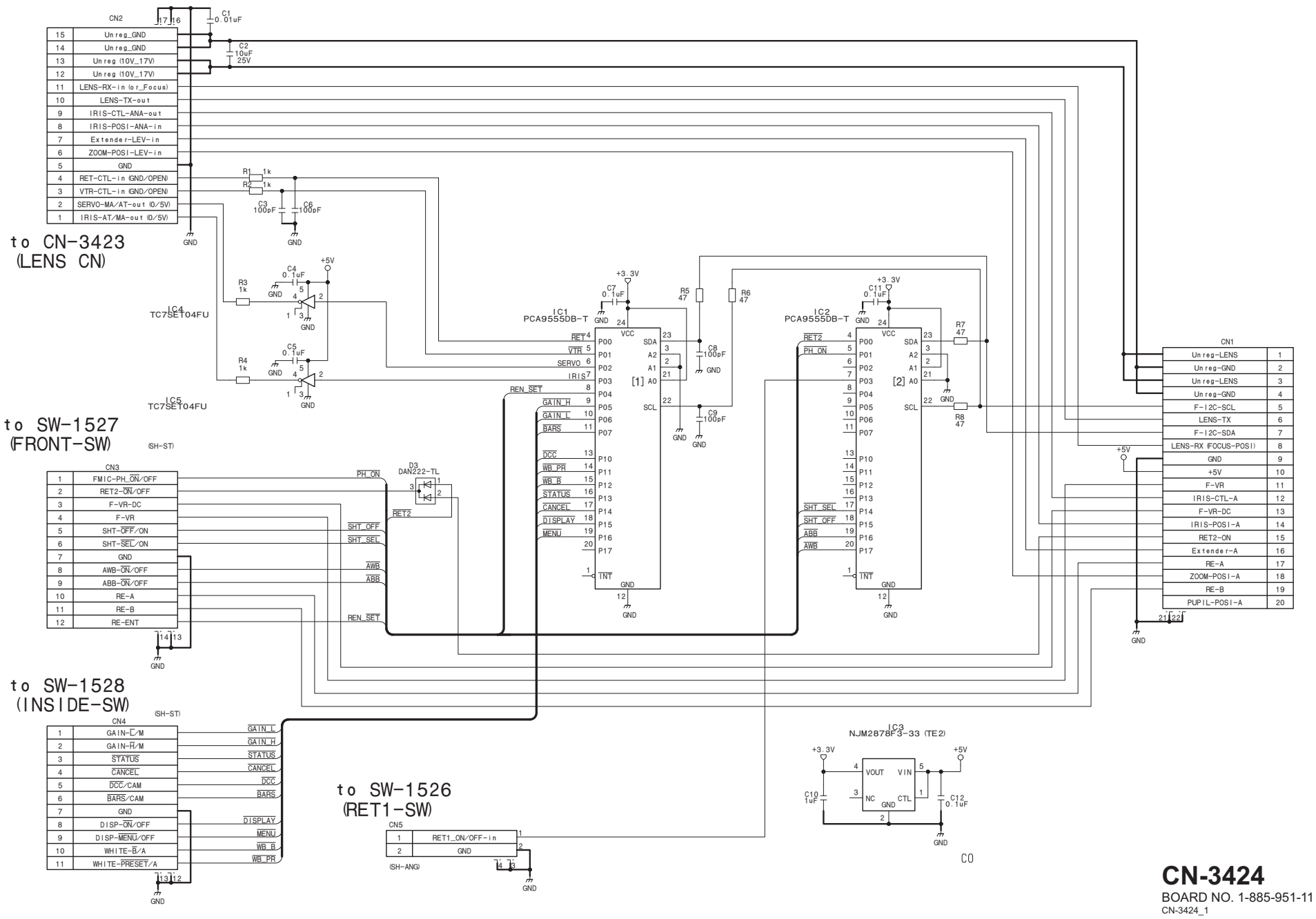
CN-3423



CN-3423  
BOARD NO. 1-885-955-11  
CN-3423\_1

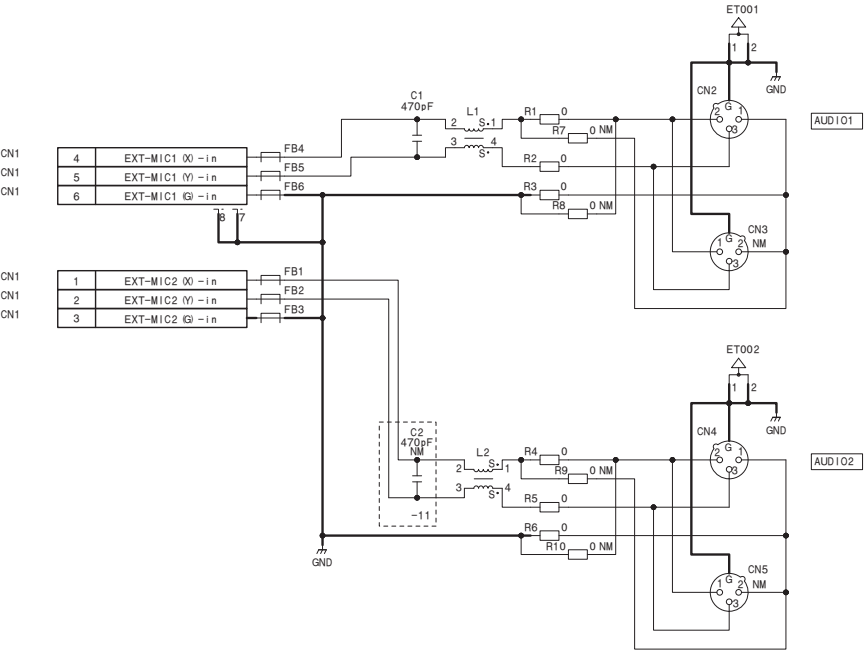


CN-3424



CN-3424  
BOARD NO. 1-885-951-11  
CN-3424\_1

CN-3425

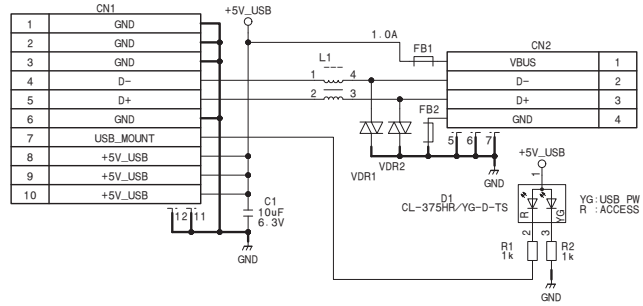


CN-3425

BOARD NO. 1-885-952-11  
CN-3425\_1

CN-3426

to SY-408



CN-3426

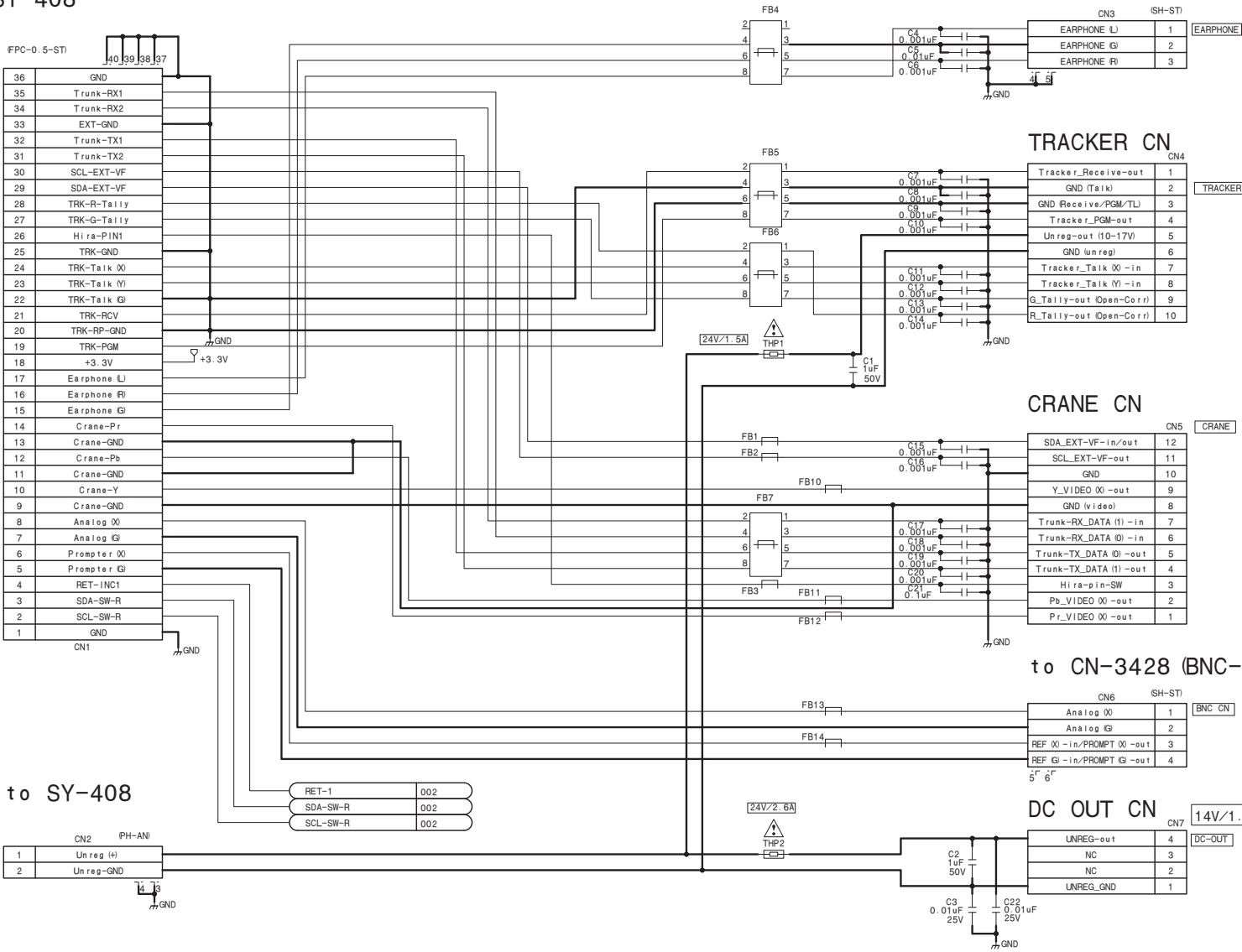
BOARD NO. 1-885-938-11  
CN-3426\_1



CN-3427  
CN-3427 (1/2)

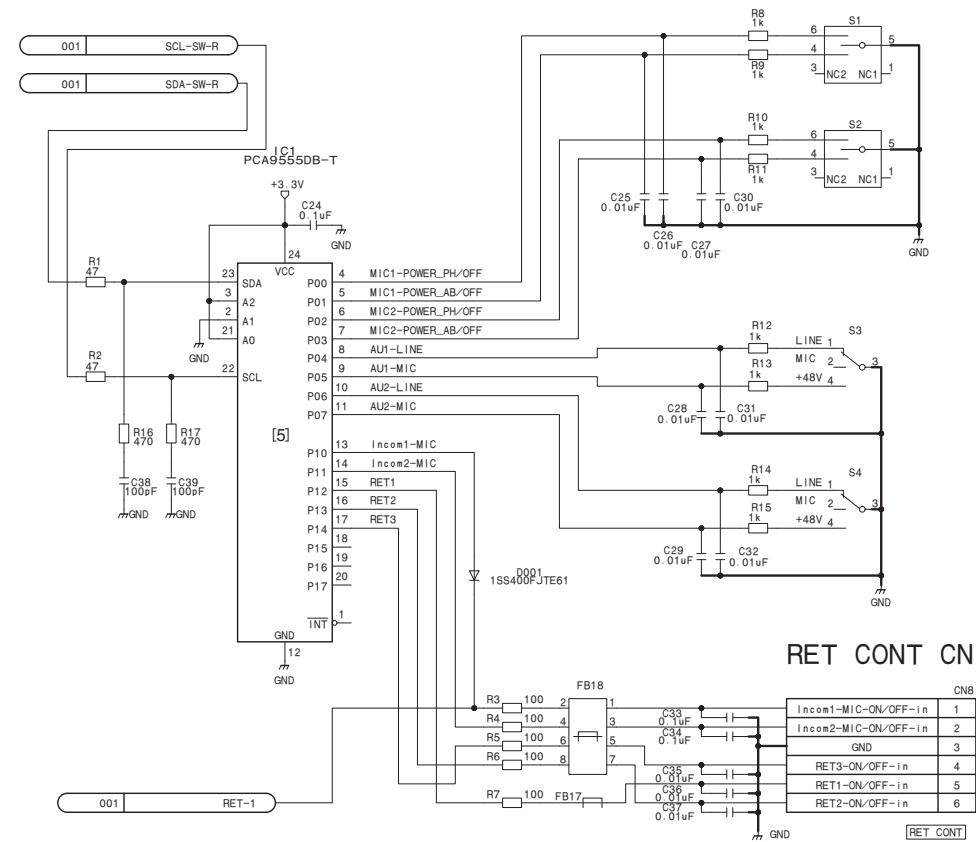
to SY-408

to CN-3429 (Earphone-CN)



CN-3427 (1/2)  
BOARD NO. 1-885-939-11  
CN-3427\_1

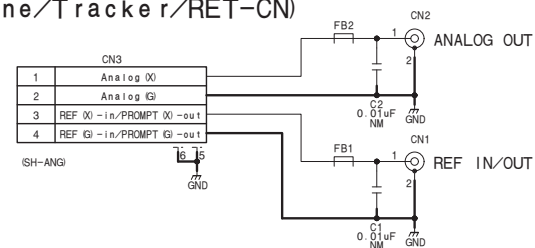
**CN-3427 (2/2)**



**CN-3427 (2/2)**  
BOARD NO. 1-885-939-11  
CN-3427\_2

**CN-3428**

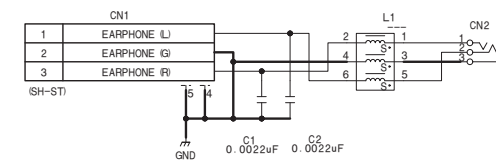
to CN-3427  
(Crane/Tracker/RET-CN)



**CN-3428**  
BOARD NO. 1-885-953-11  
CN-3428\_1

**CN-3429**

to CN-3427  
(C/T/RET-CN)

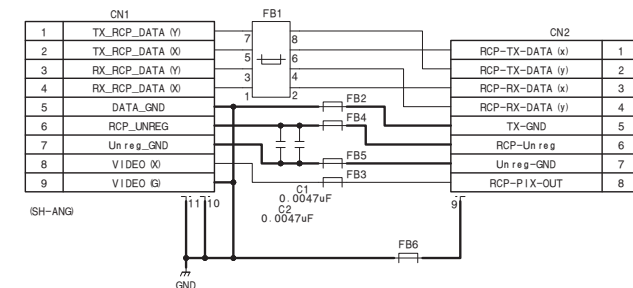


**CN-3429**  
BOARD NO. 1-885-956-11  
CN-3429\_1

**CN-3430**

to SY-408

RM/RCP

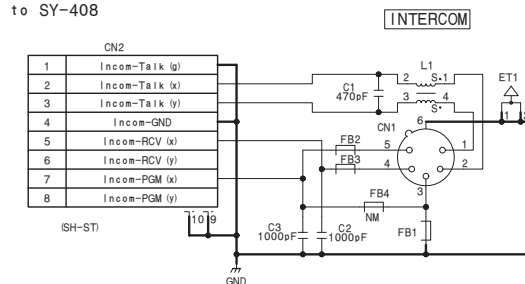


**CN-3430**  
BOARD NO. 1-885-941-11  
CN-3430\_1

**CN-3431**

to SY-408

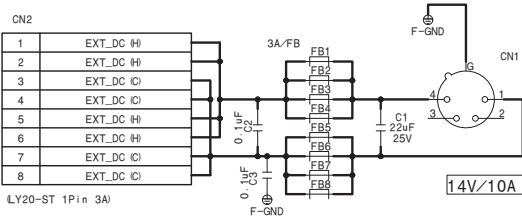
1:Talk-Y  
2:Talk-X  
3:GND  
4:Receive



**CN-3431**  
BOARD NO. 1-885-954-11  
CN-3431\_1

CN-3432

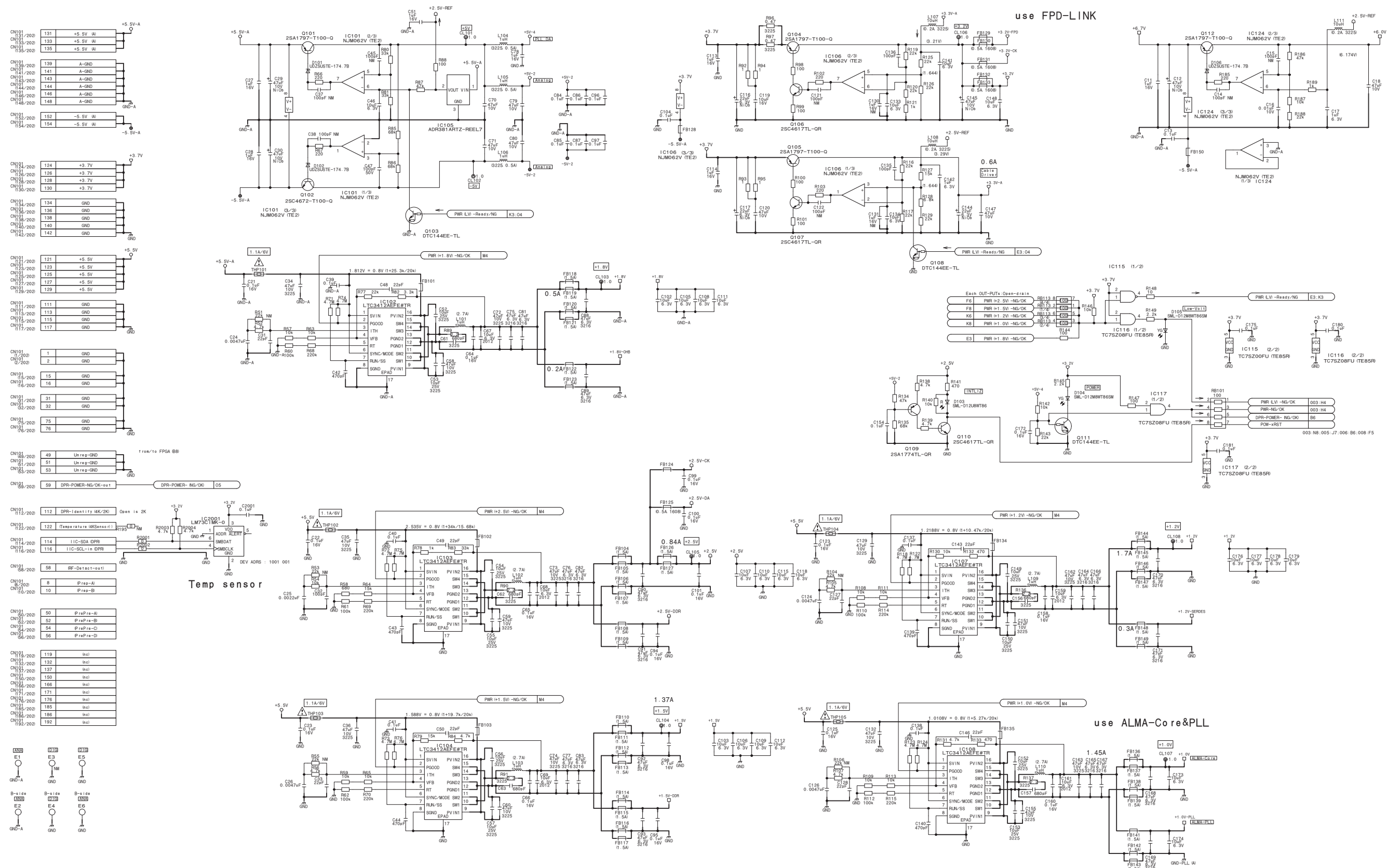
to PS External DC IN

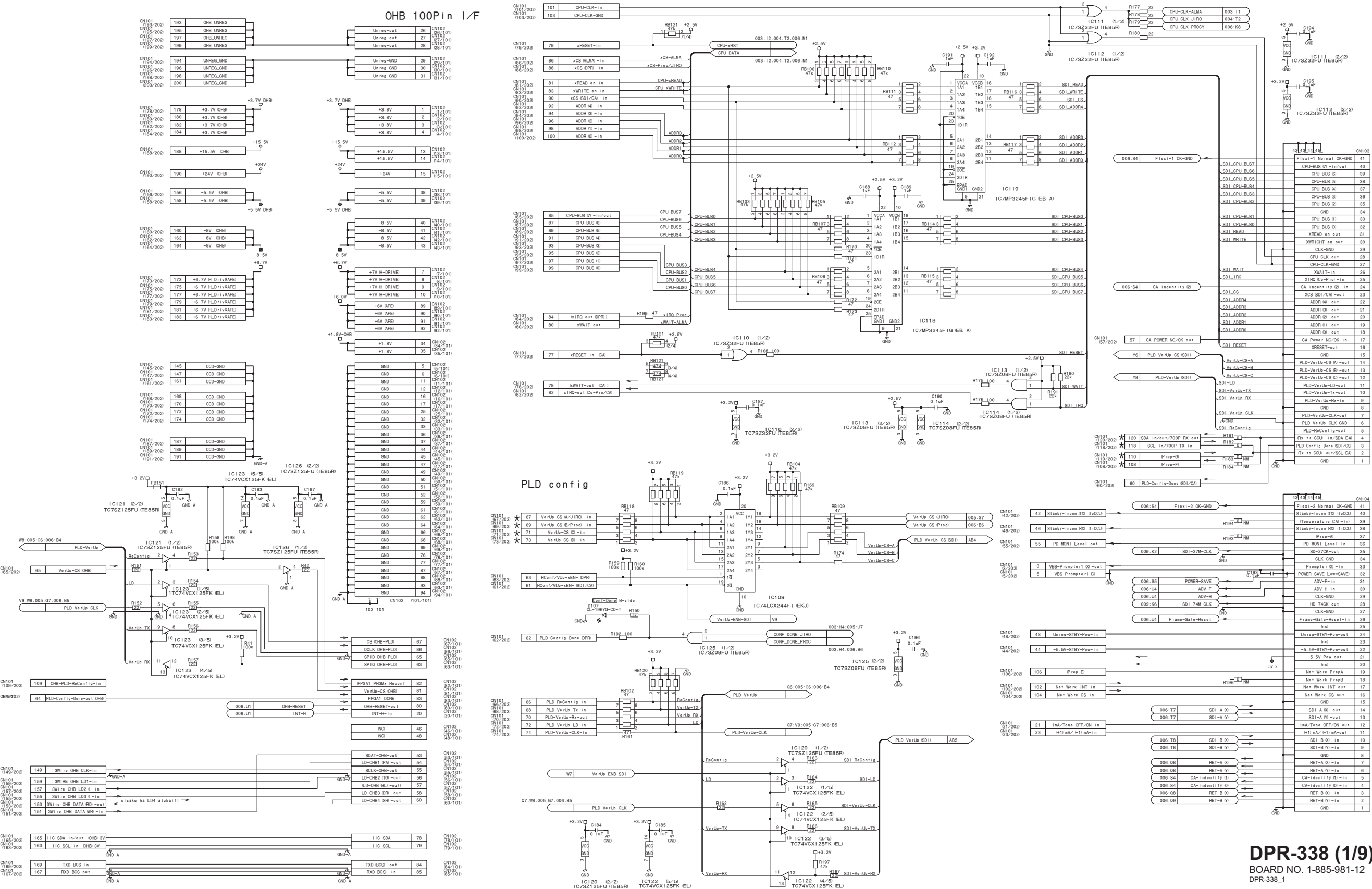


CN-3432

BOARD NO. 1-885-957-11  
CN-3432\_1

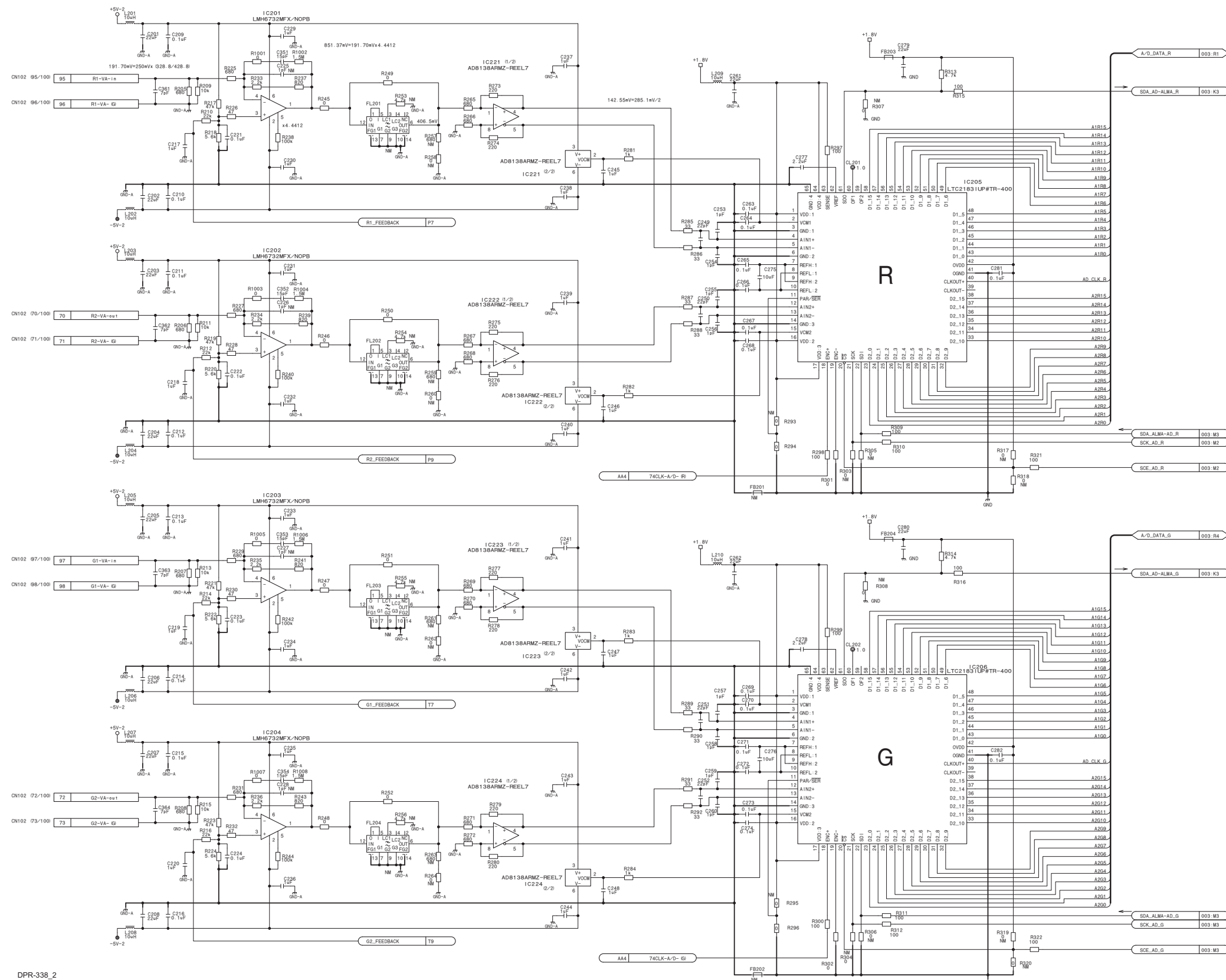
**DPR-338**  
**DPR-338 (1/9)\_L**





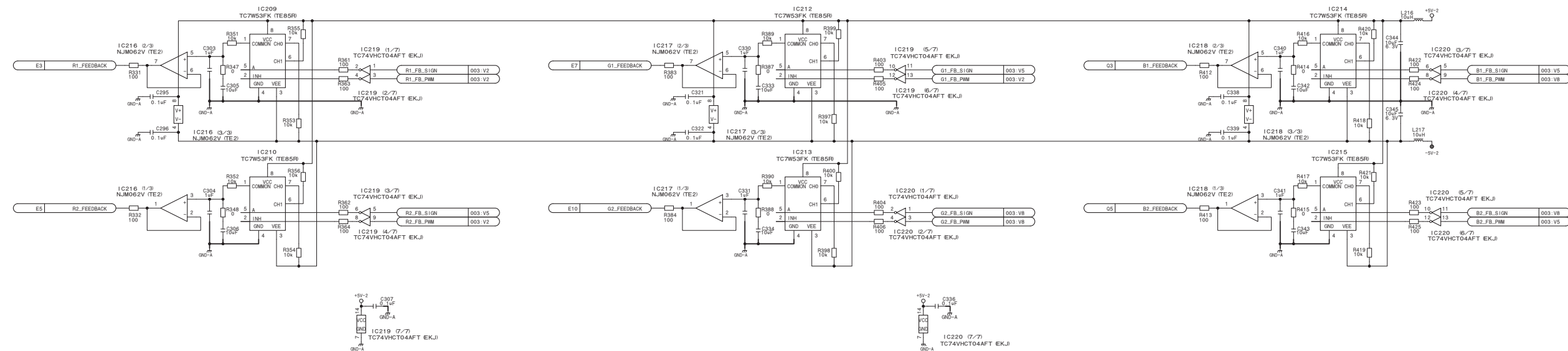
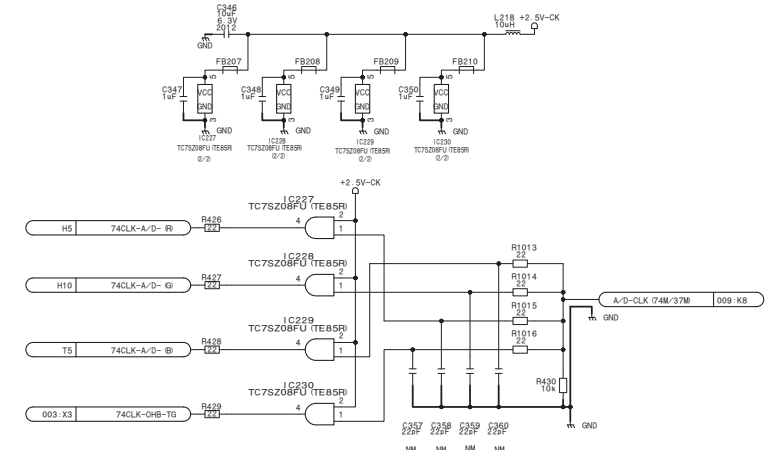
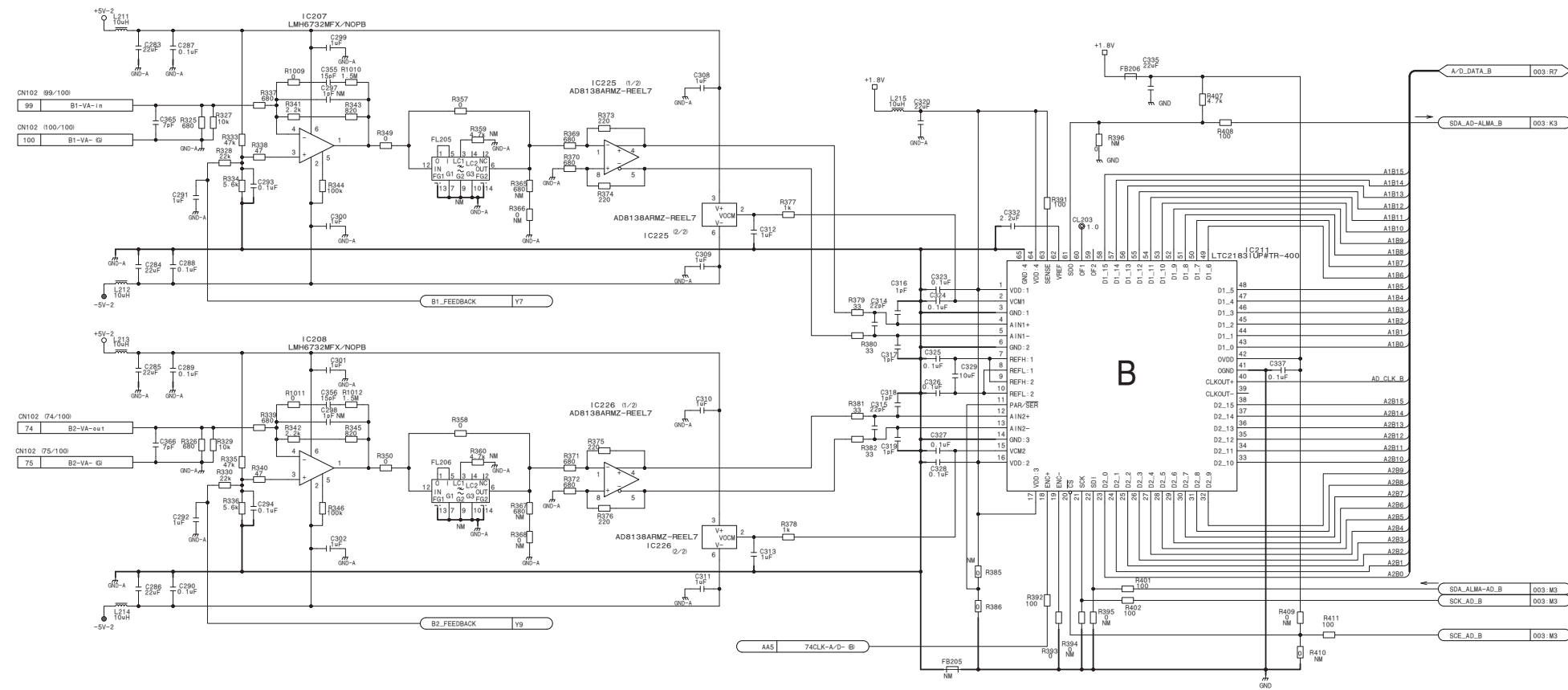
DPR-338 (1/9)  
BOARD NO. 1-885-981-12  
DPR-338\_1

**DPR-338 (2/9)\_L**



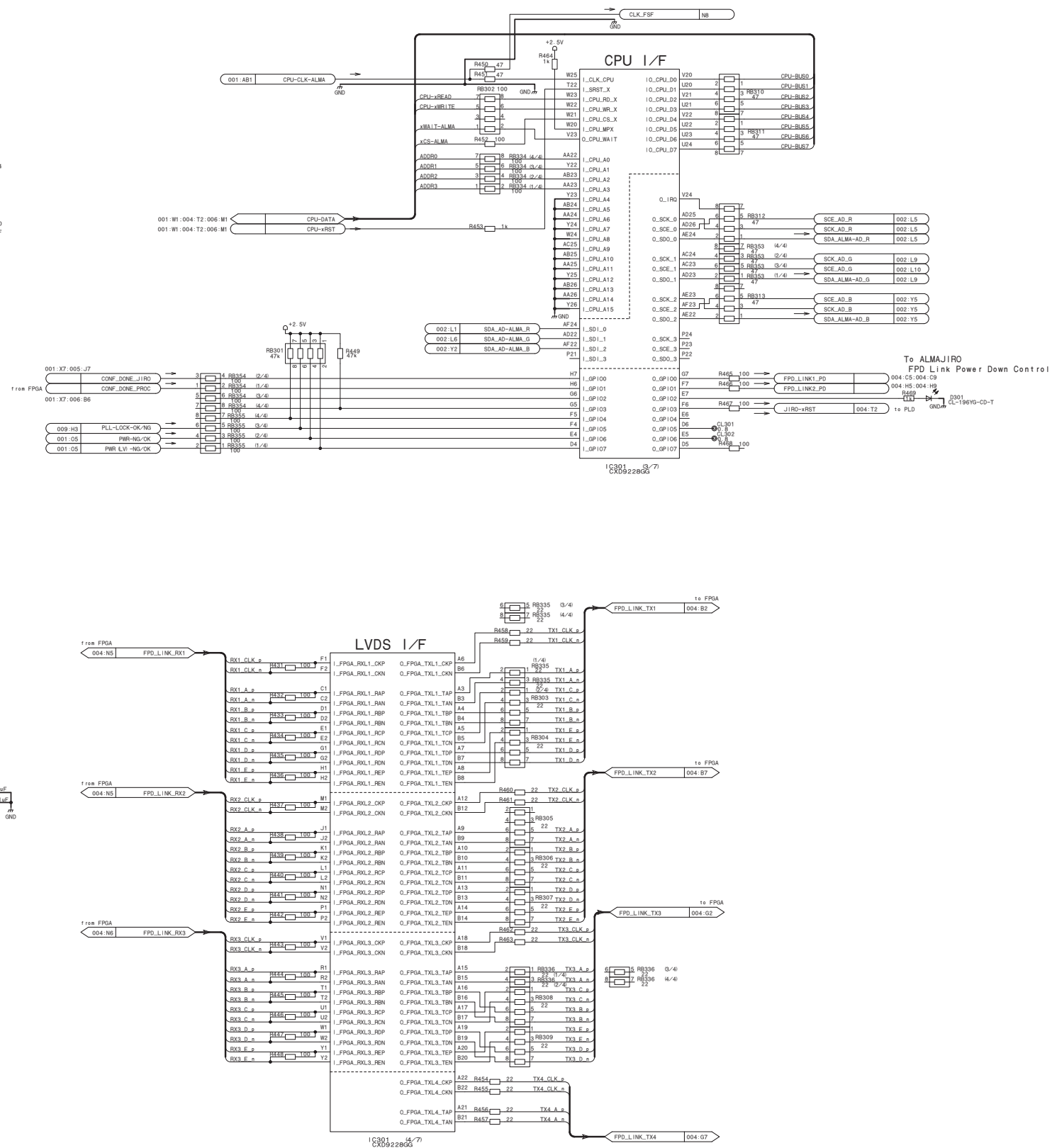
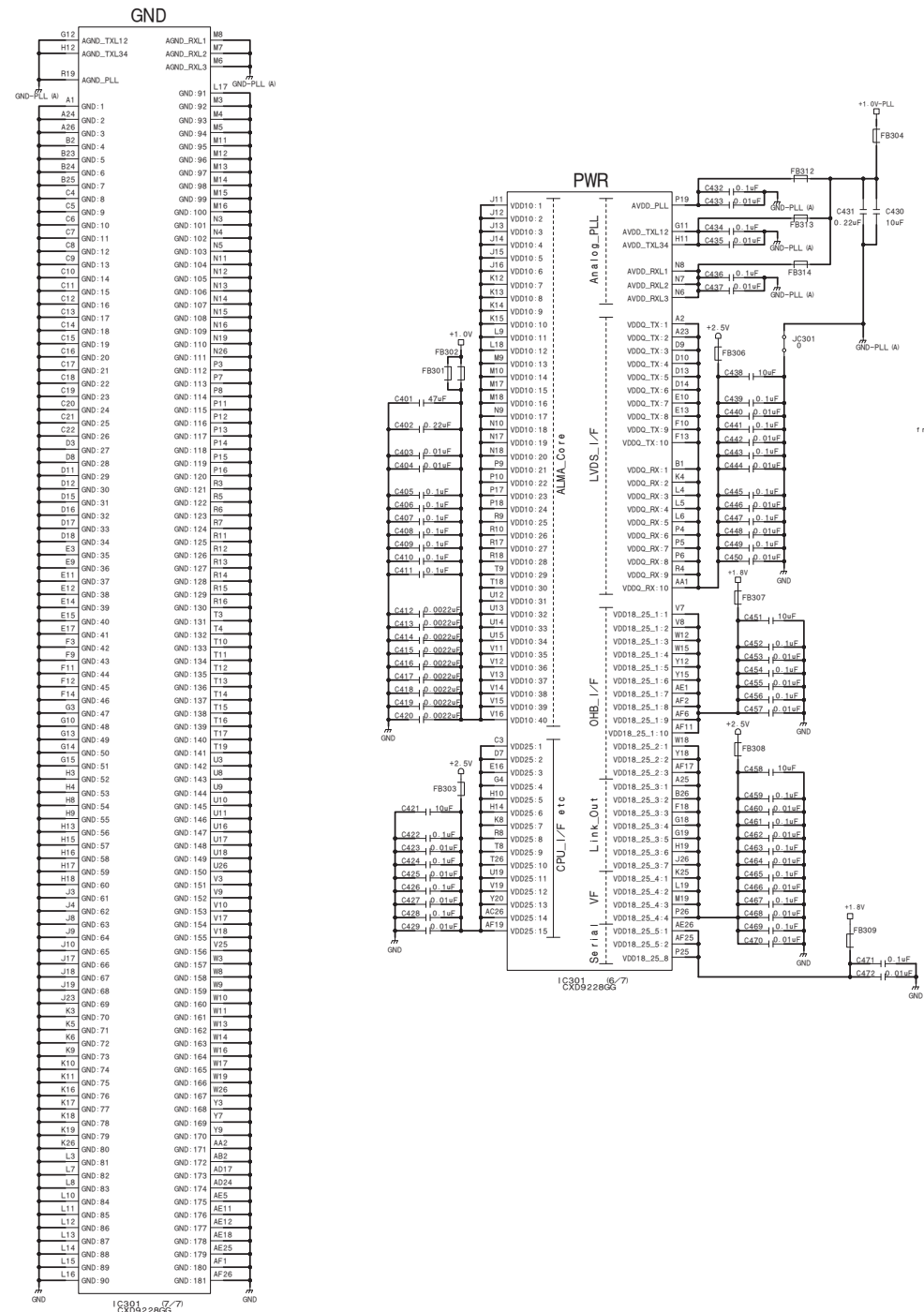


**DPR-338 (2/9)\_R**



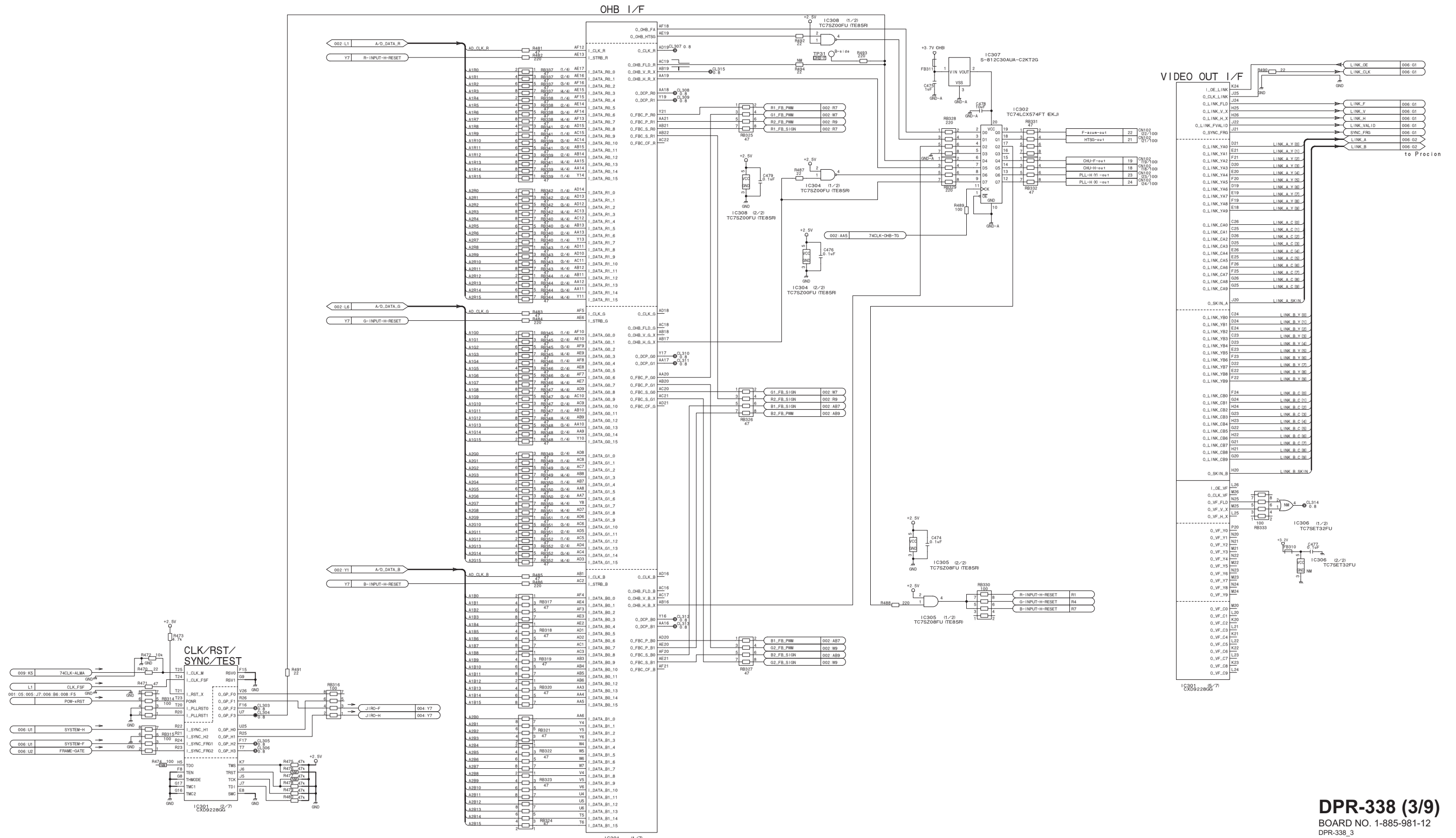
**DPR-338 (2/9)**  
BOARD NO. 1-885-981-12  
DPR-338\_2

## DPR-338 (3/9)\_L



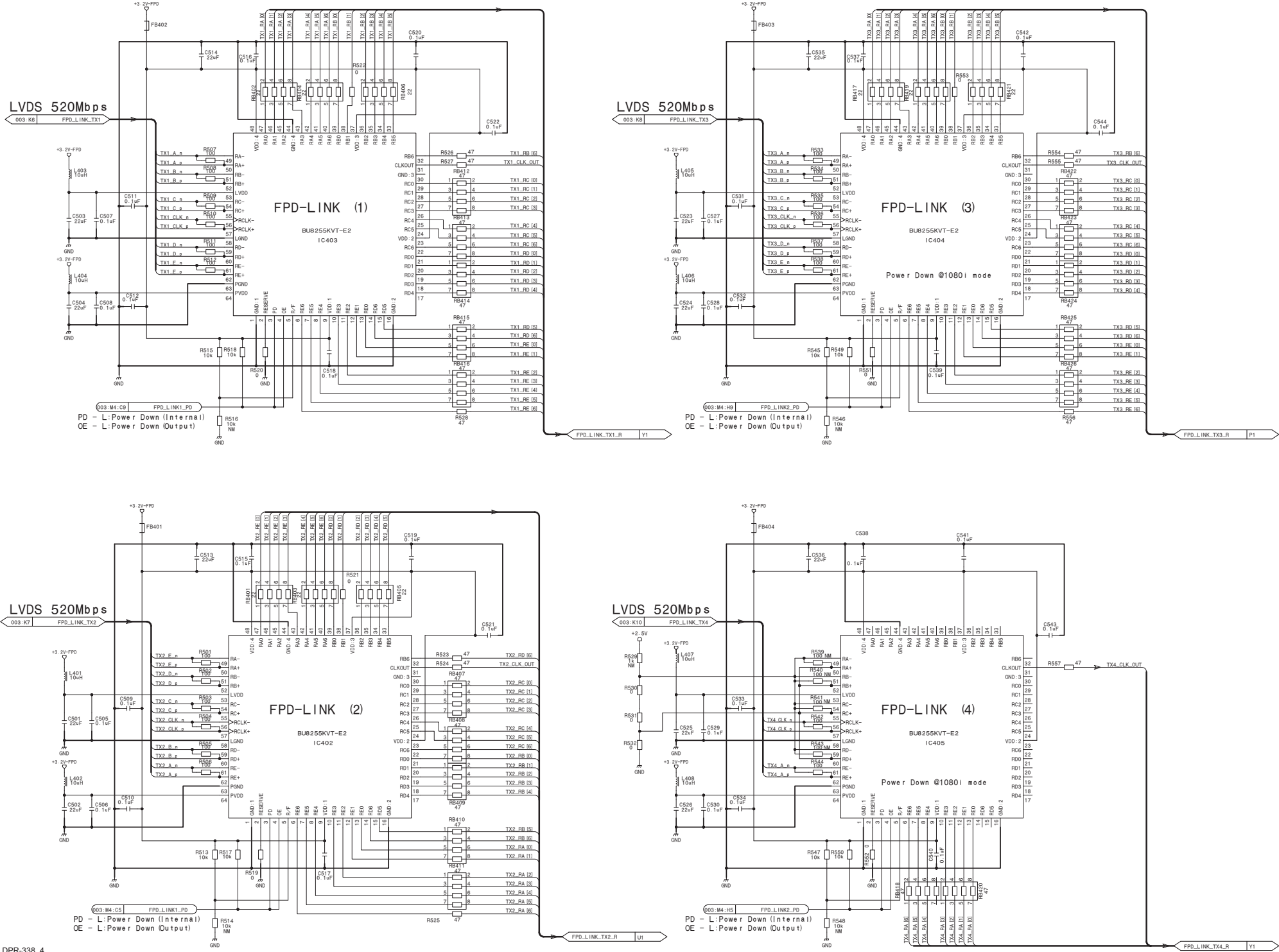


**DPR-338 (3/9)\_R**



DPR-338 (4/9)\_L

FPD-LINK (LVDS-RX 7:1 / 520Mbps )  
for ALMA -> ALMAJIRO Transmission

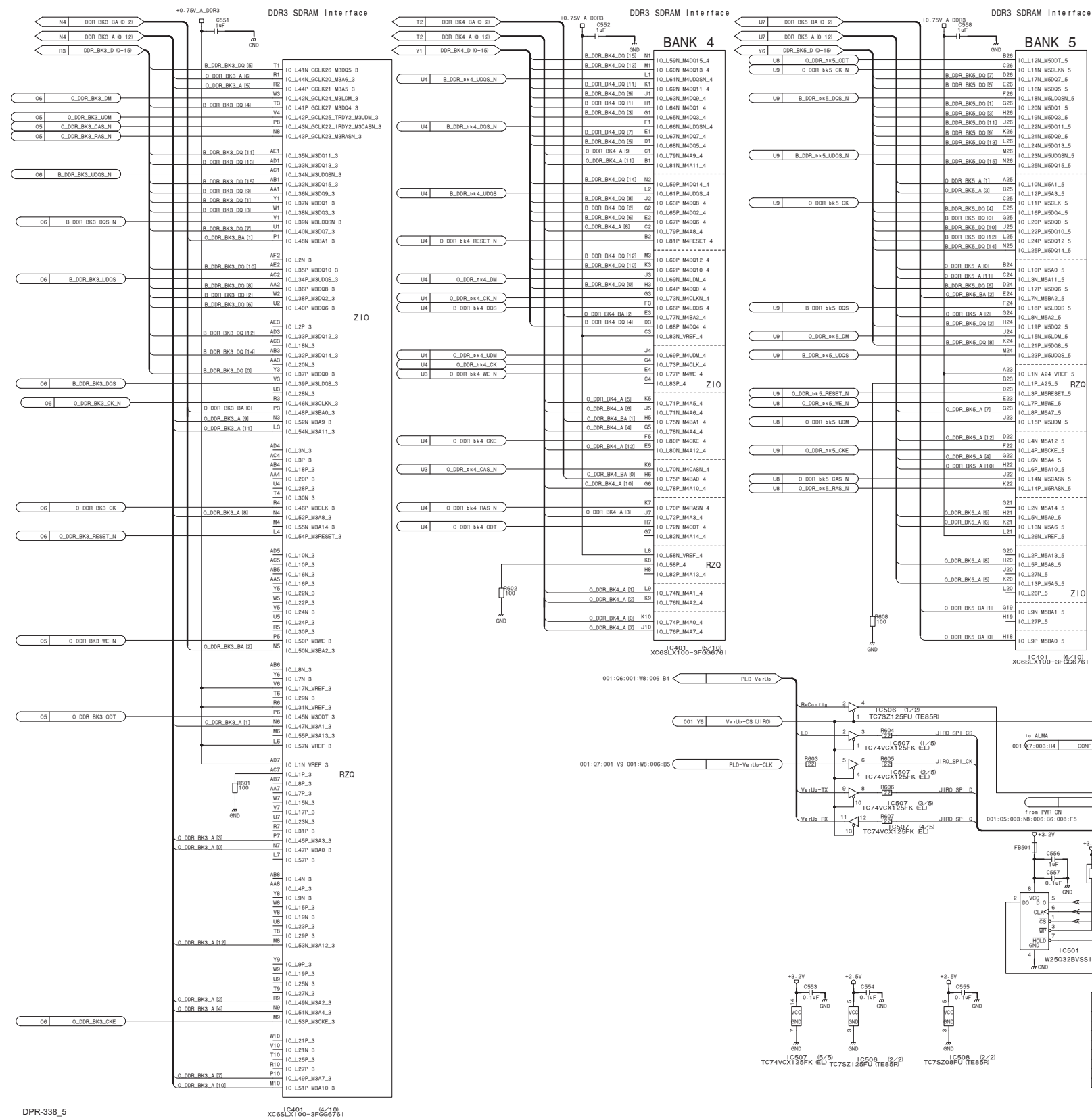


DPR-338\_4

## HDC1700



## DPR-338 (5/9)\_L



## HDC1700

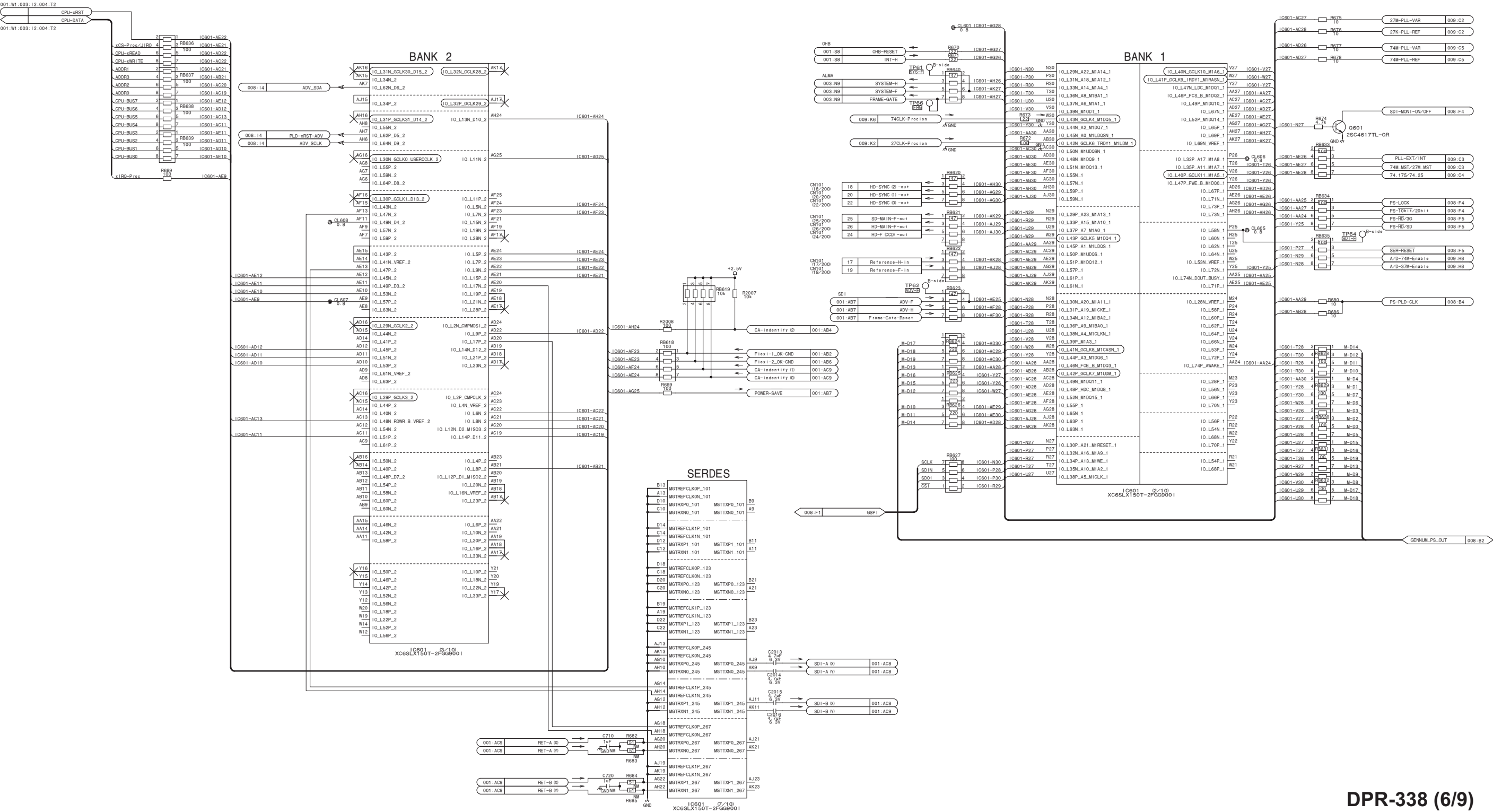
## DDR3 SDRAM for ALMAJIRO





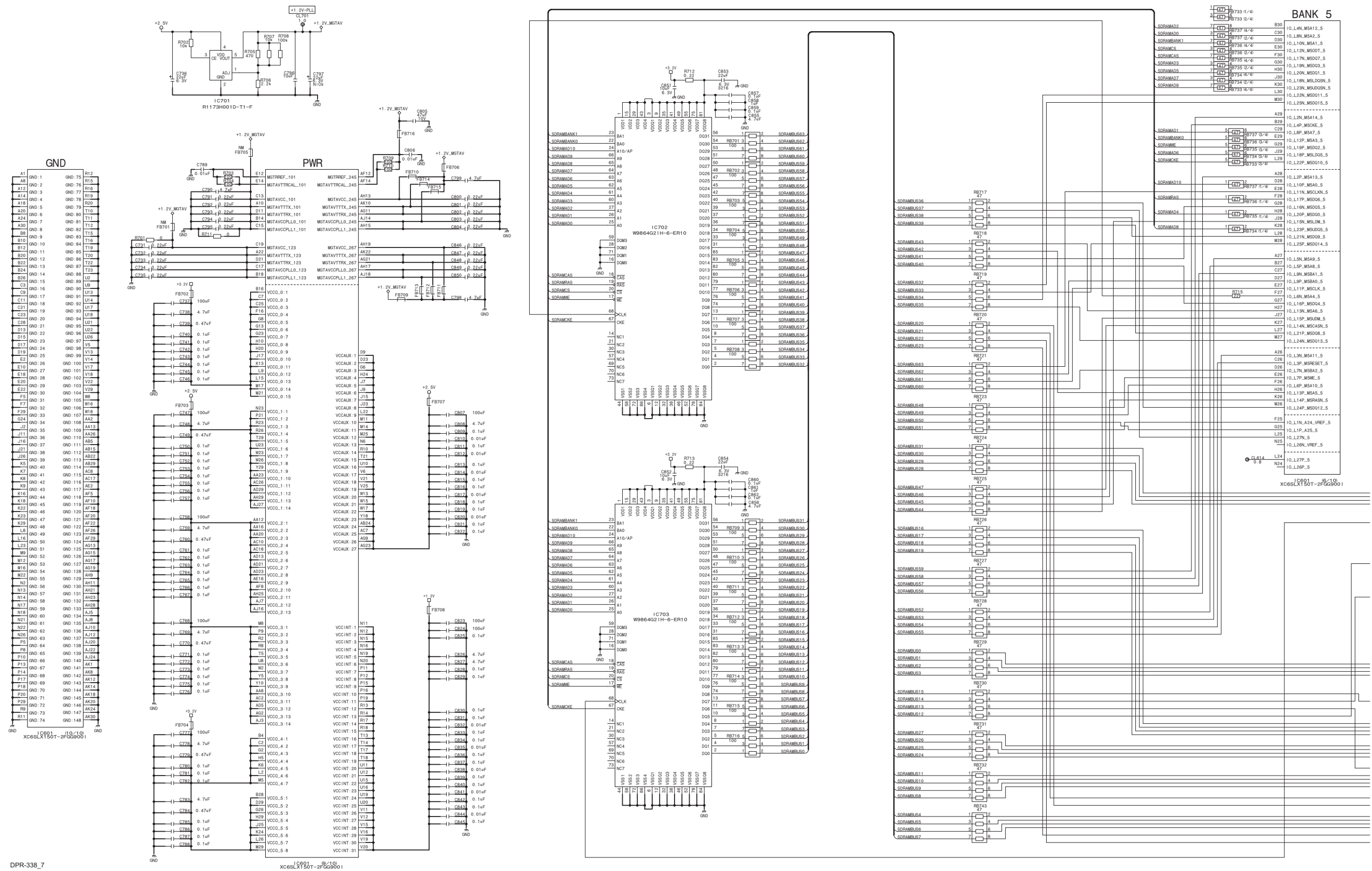


DPR-338 (6/9)\_R



DPR-338 (6/9)  
BOARD NO. 1-885-981-12  
DPR-338\_6

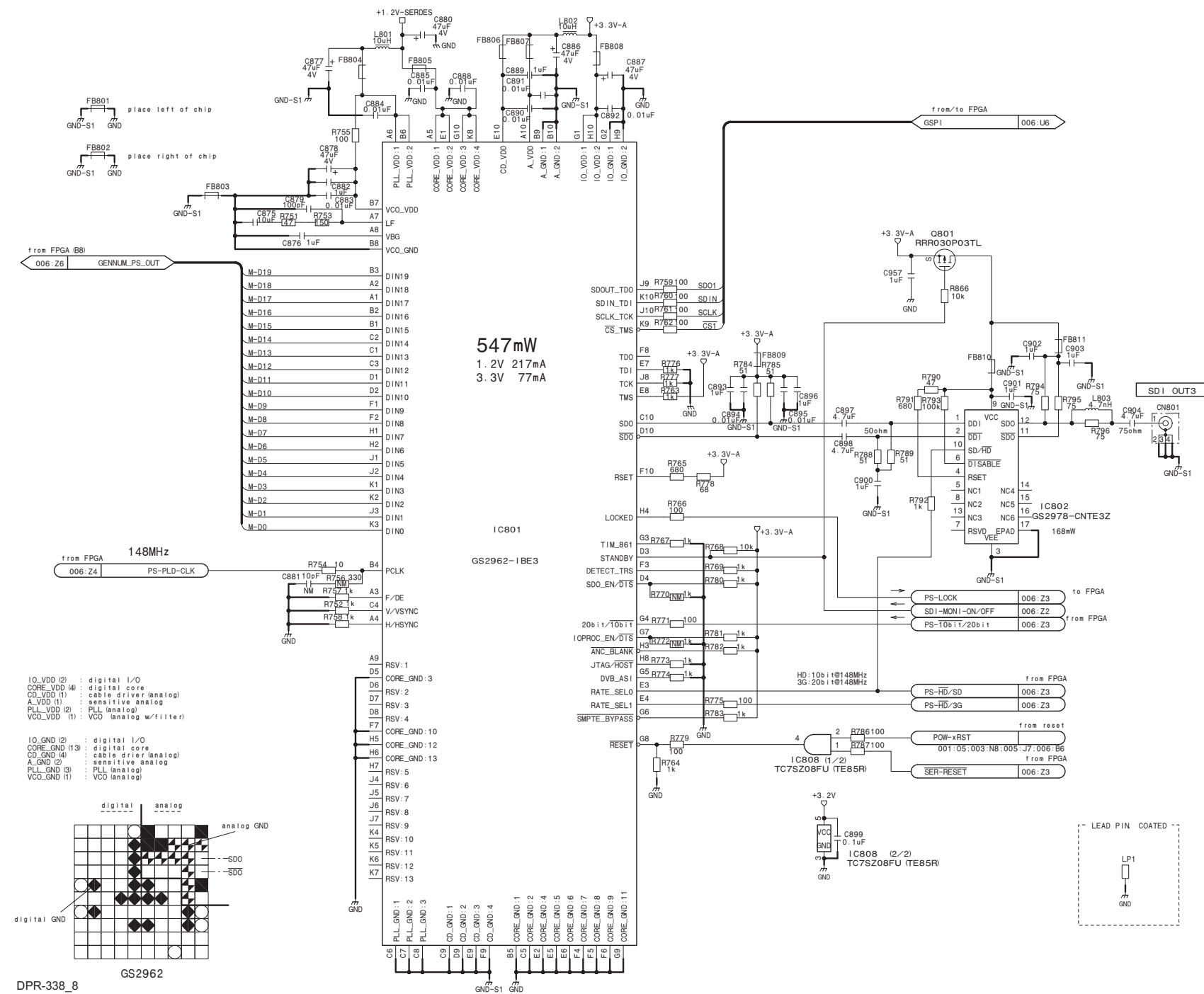
**DPR-338 (7/9)\_L**



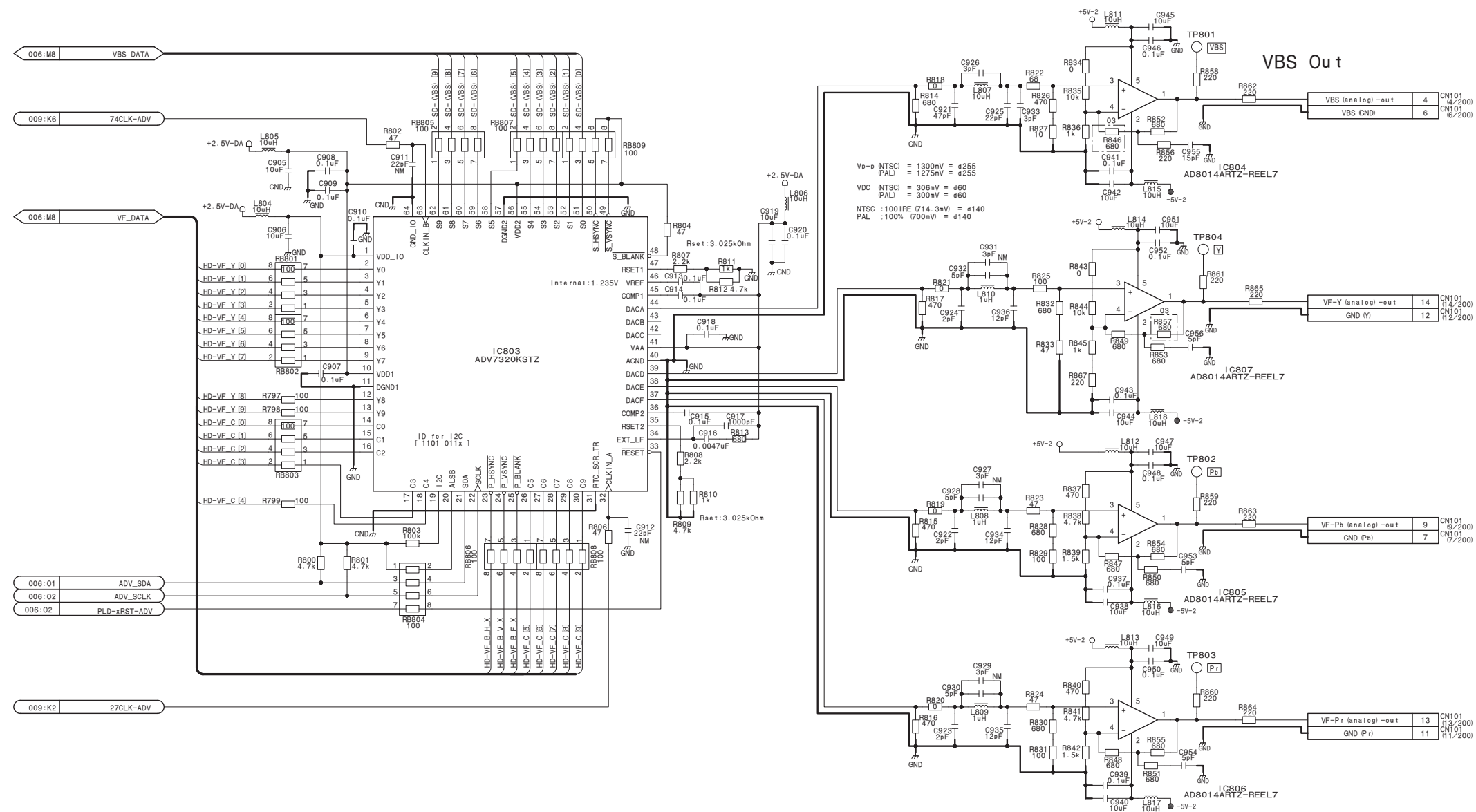




**DPR-338 (8/9)\_L**



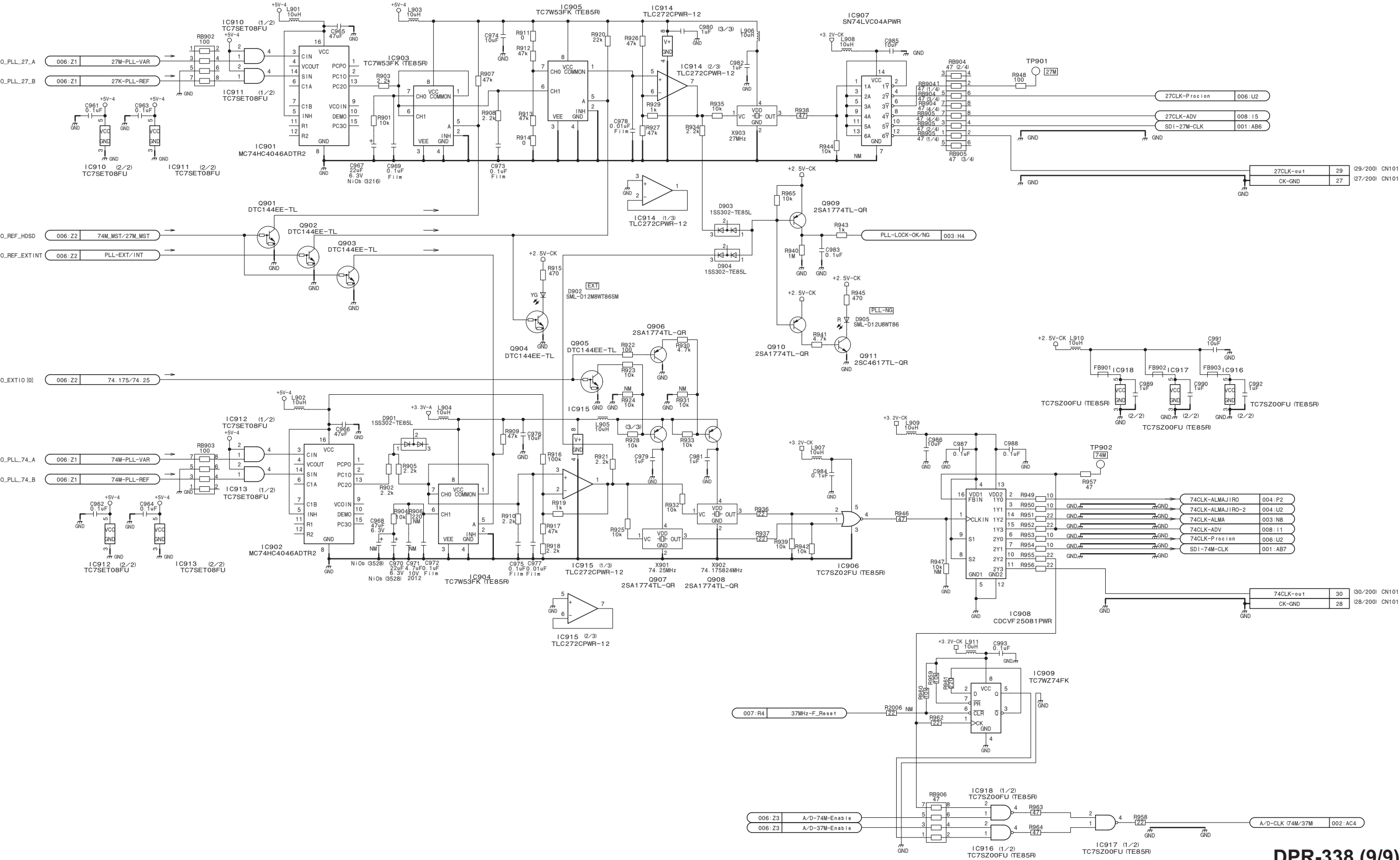
## DPR-338 (8/9)\_R



**DPR-338 (8/9)**

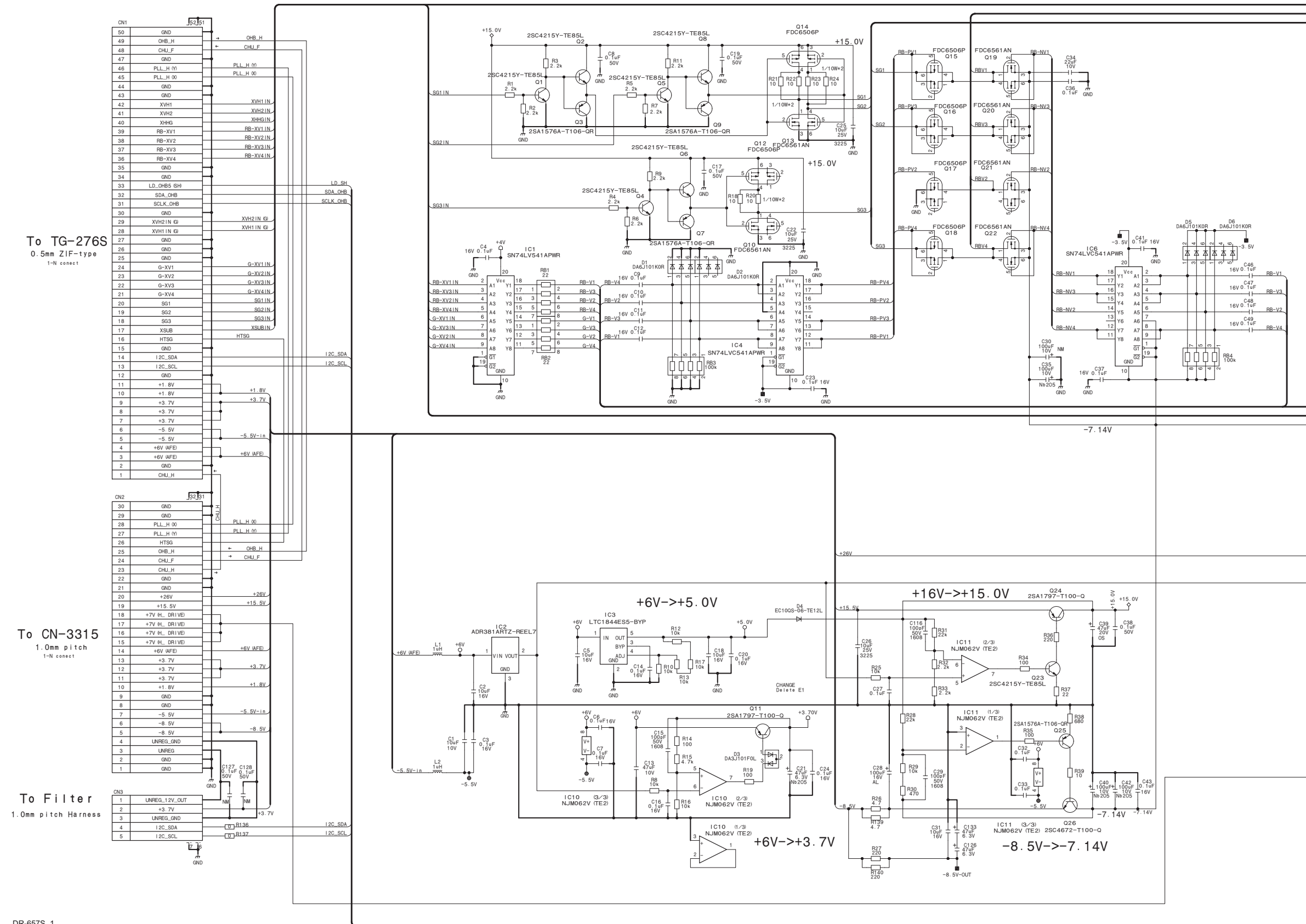
BOARD NO. 1-885-981-12  
DPR-338\_8

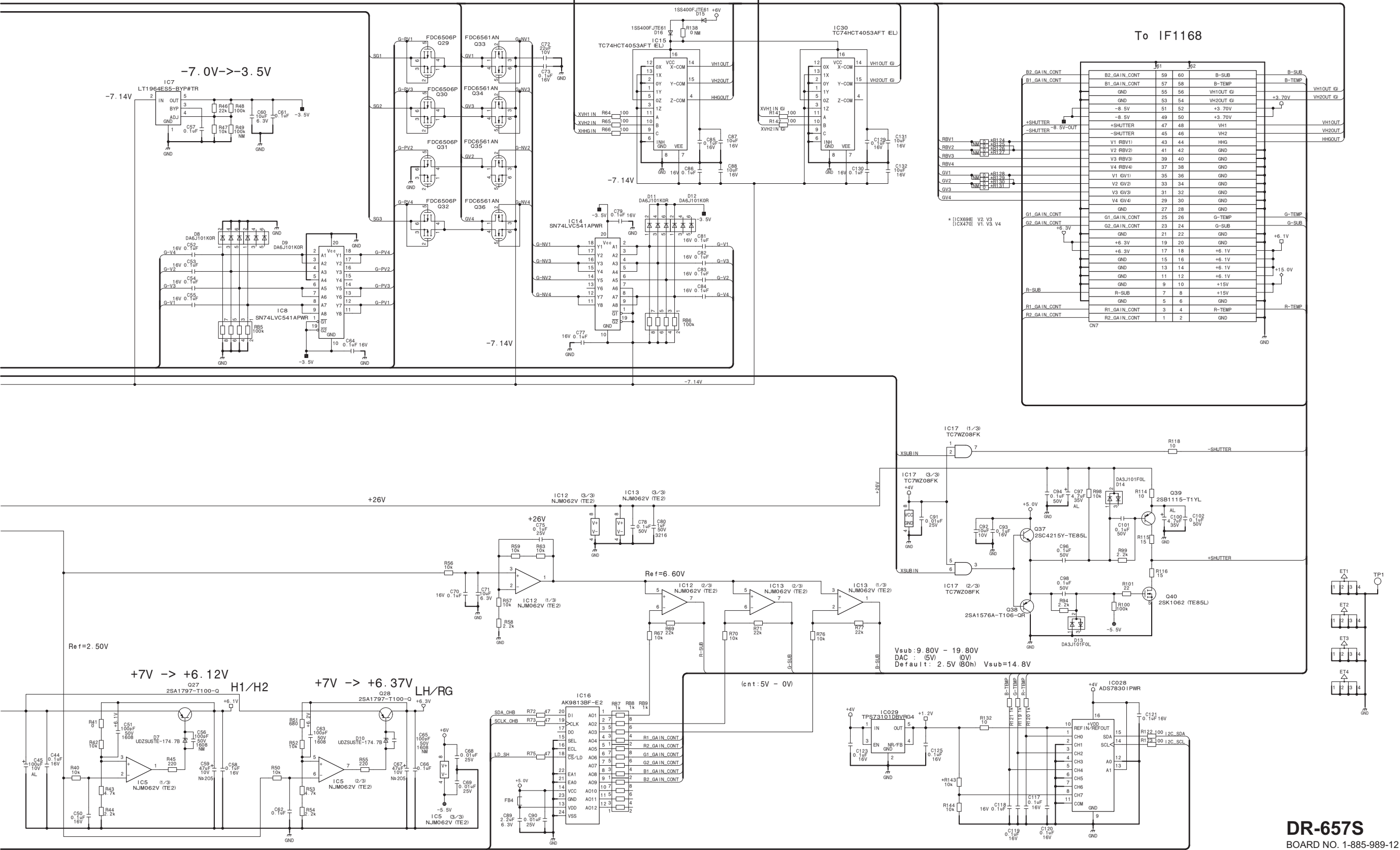
DPR-338 (9/9)



DPR-338 (9/9)  
BOARD NO. 1-885-981-12  
DPR-338\_9

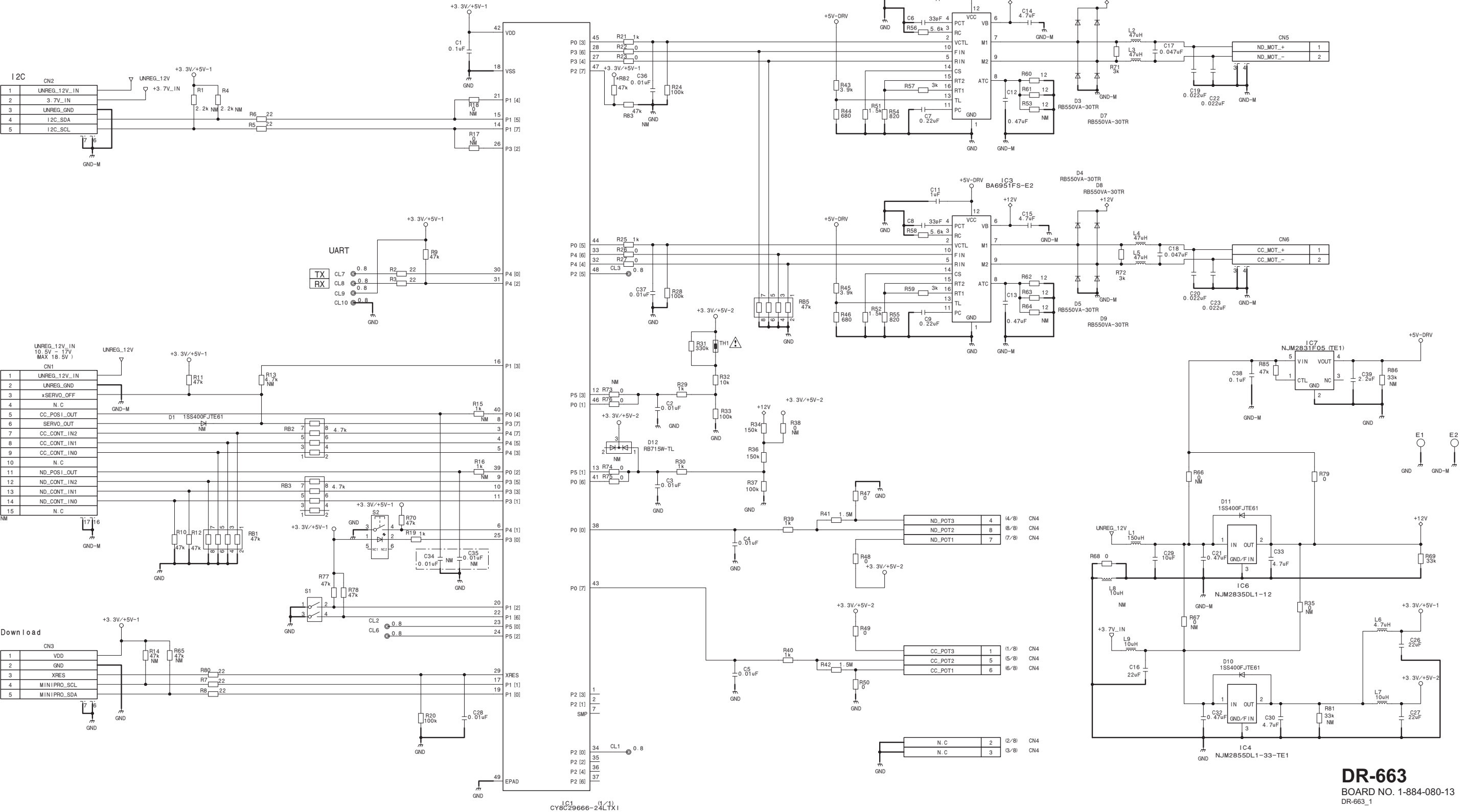
DR-657S  
DR-657S\_L



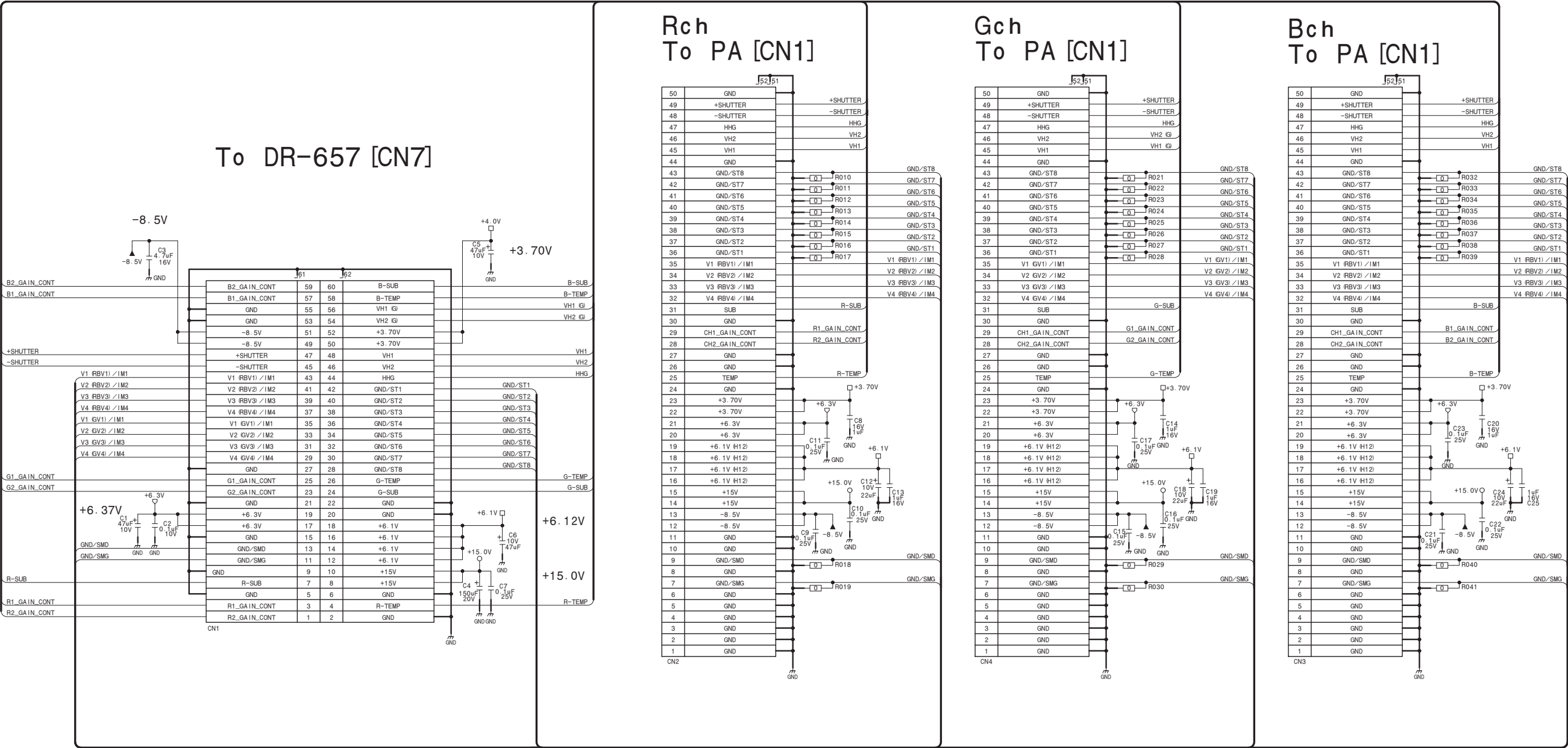


DR-657S  
BOARD NO. 1-885-989-12  
DR-657S\_1



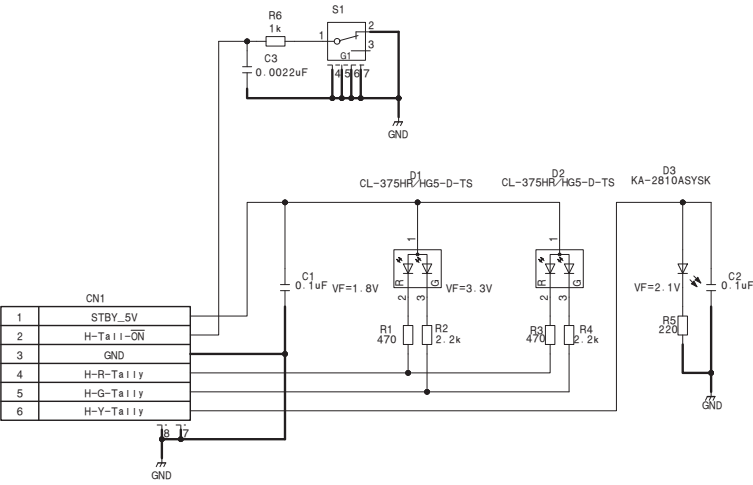


DR-663  
BOARD NO. 1-884-080-13  
DR-663\_1





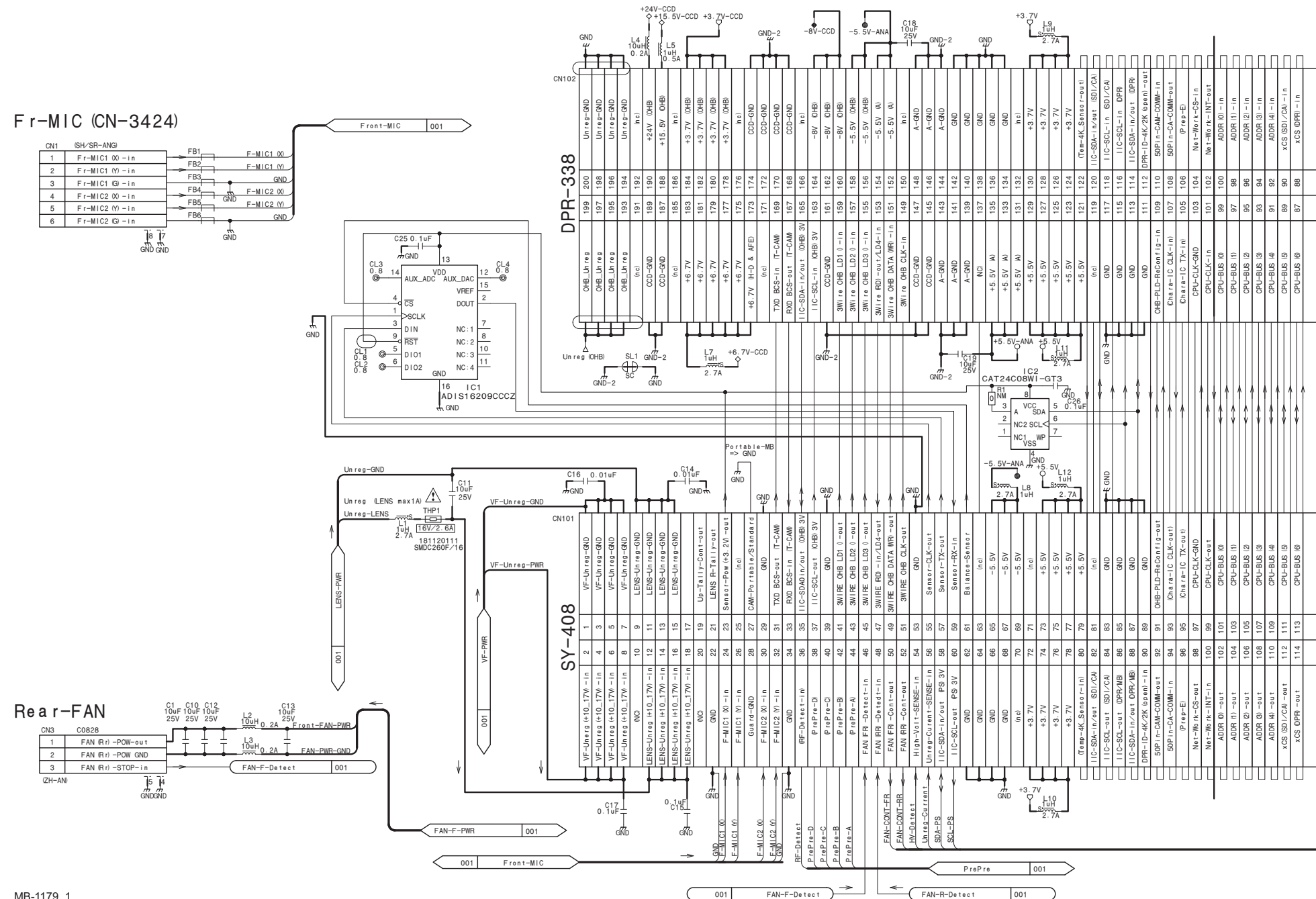
LE-376



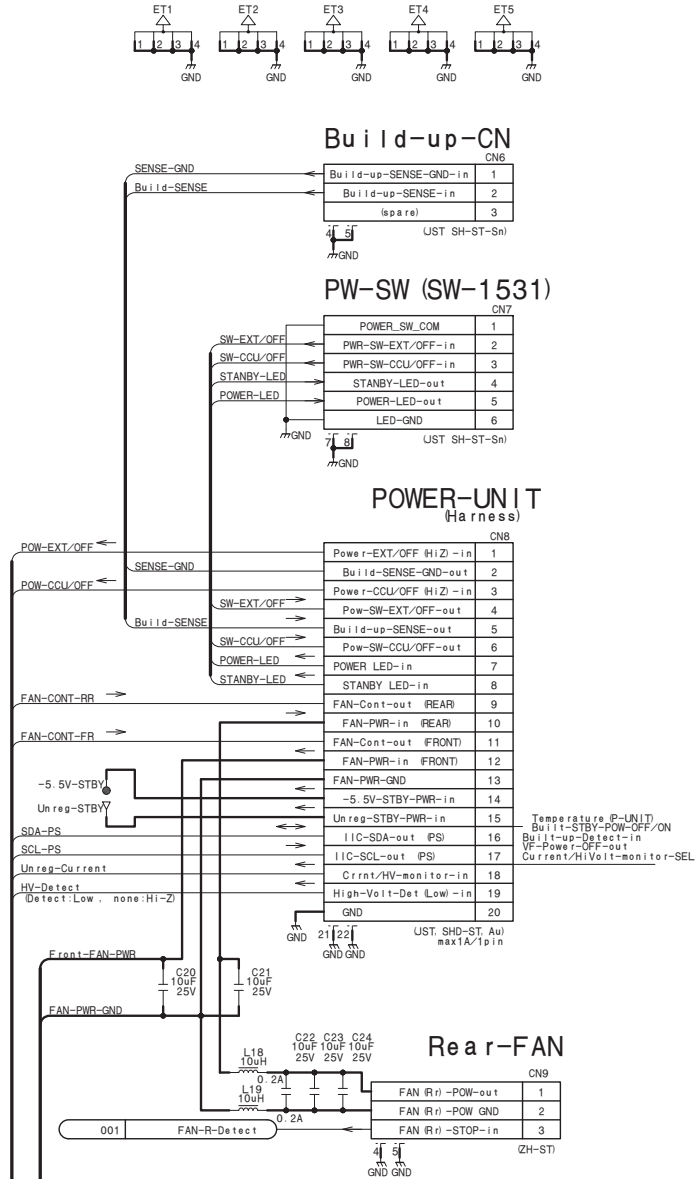
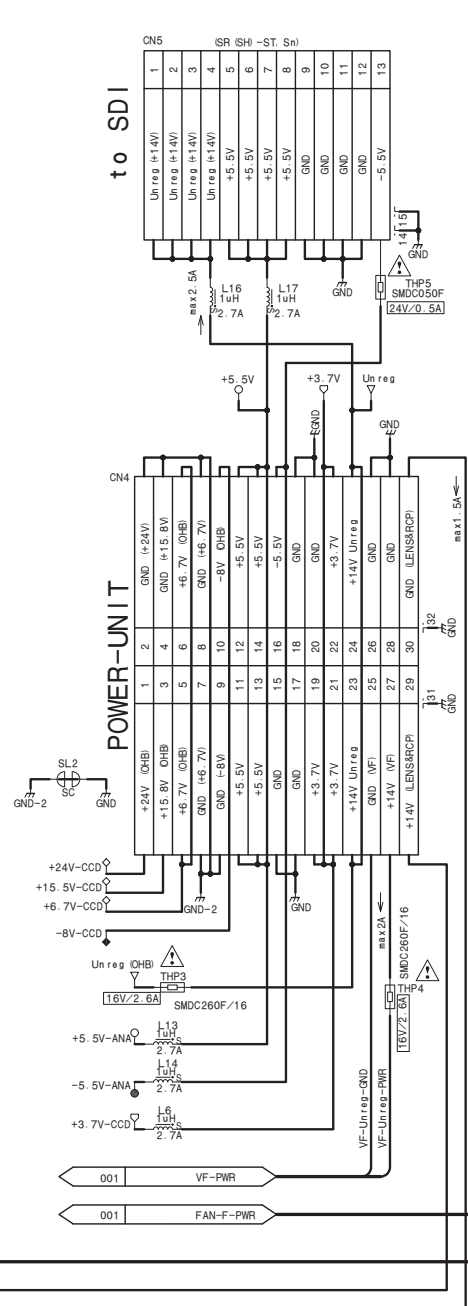
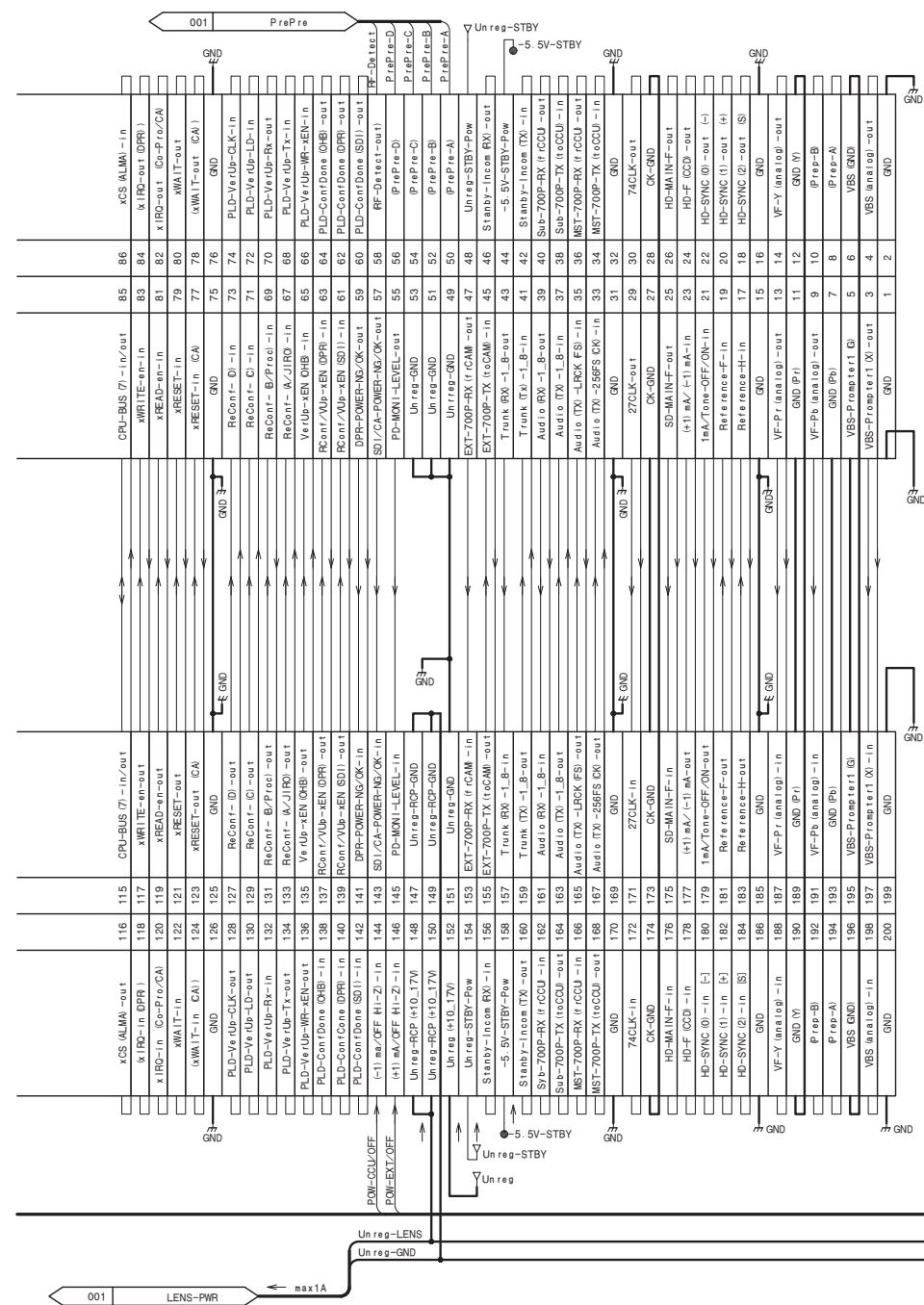
Handle-Tally-Board

LE-376  
BOARD NO. 1-885-942-12  
LE-376\_1

MB-1179  
MB-1179\_L



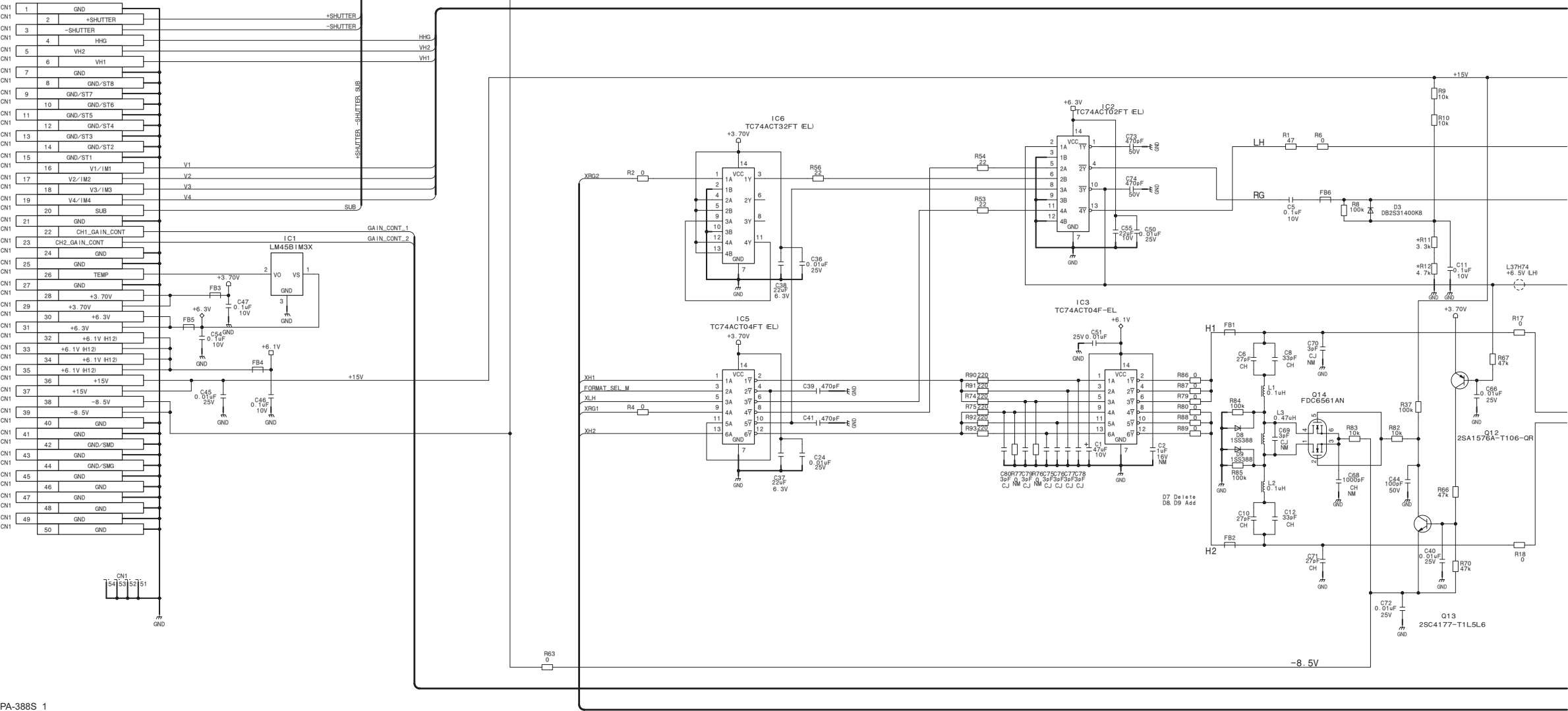
**MB-1179\_R**



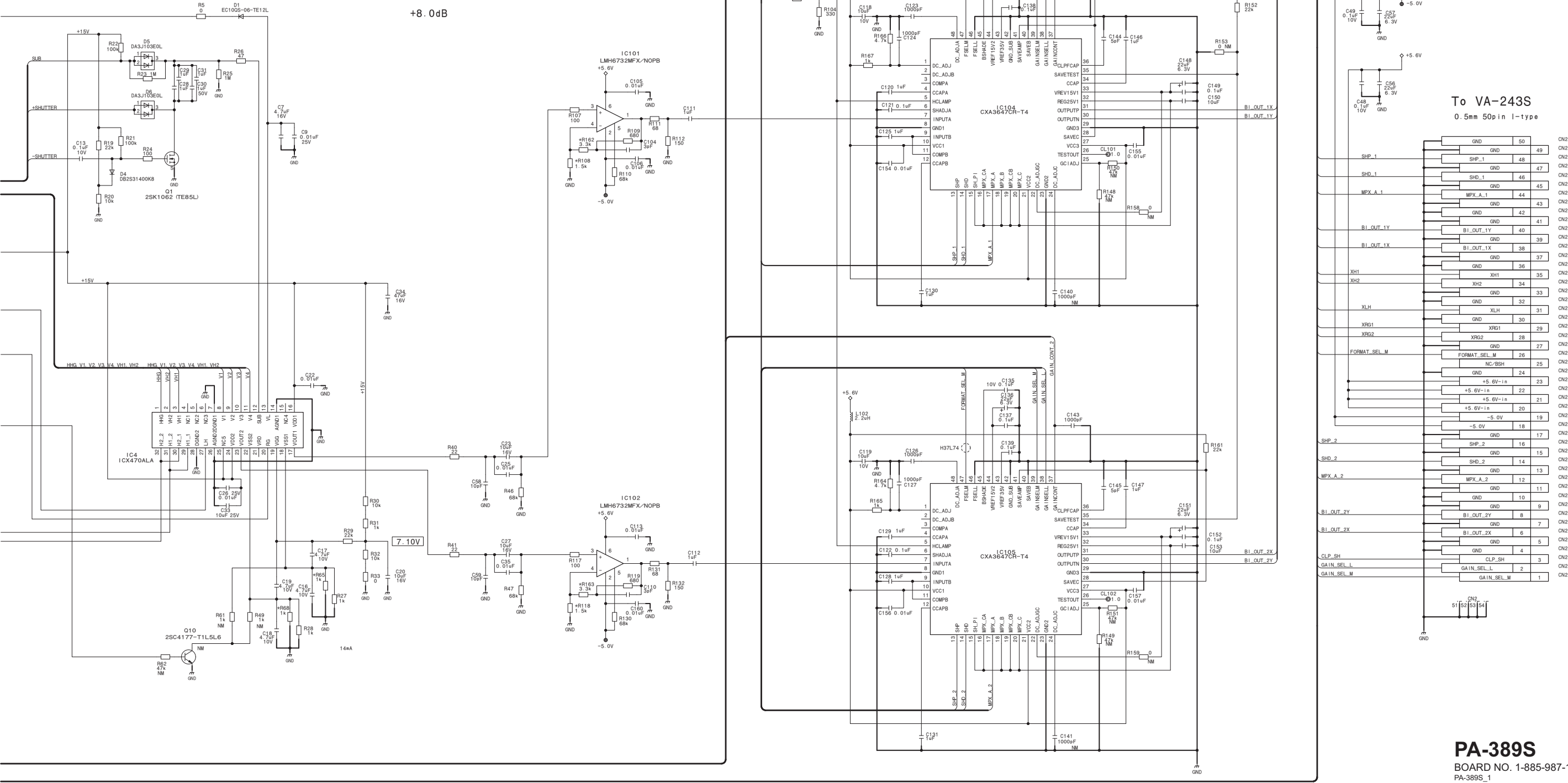
**MB-1179**  
BOARD NO. 1-885-958-12  
MB-1179\_1

PA-388S  
PA-388S\_L

To IF-1168  
0.5mm 50pin l-type

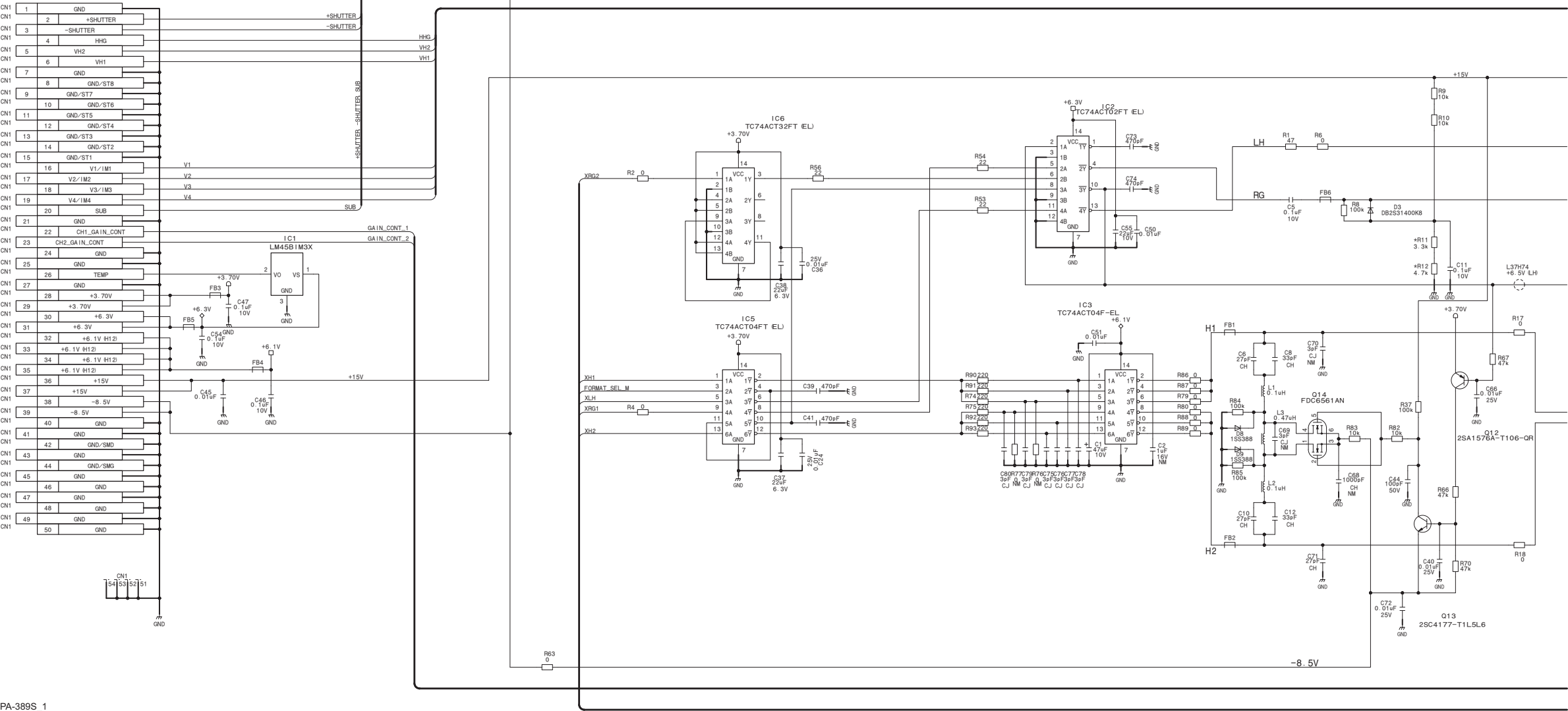


PA-388S\_1



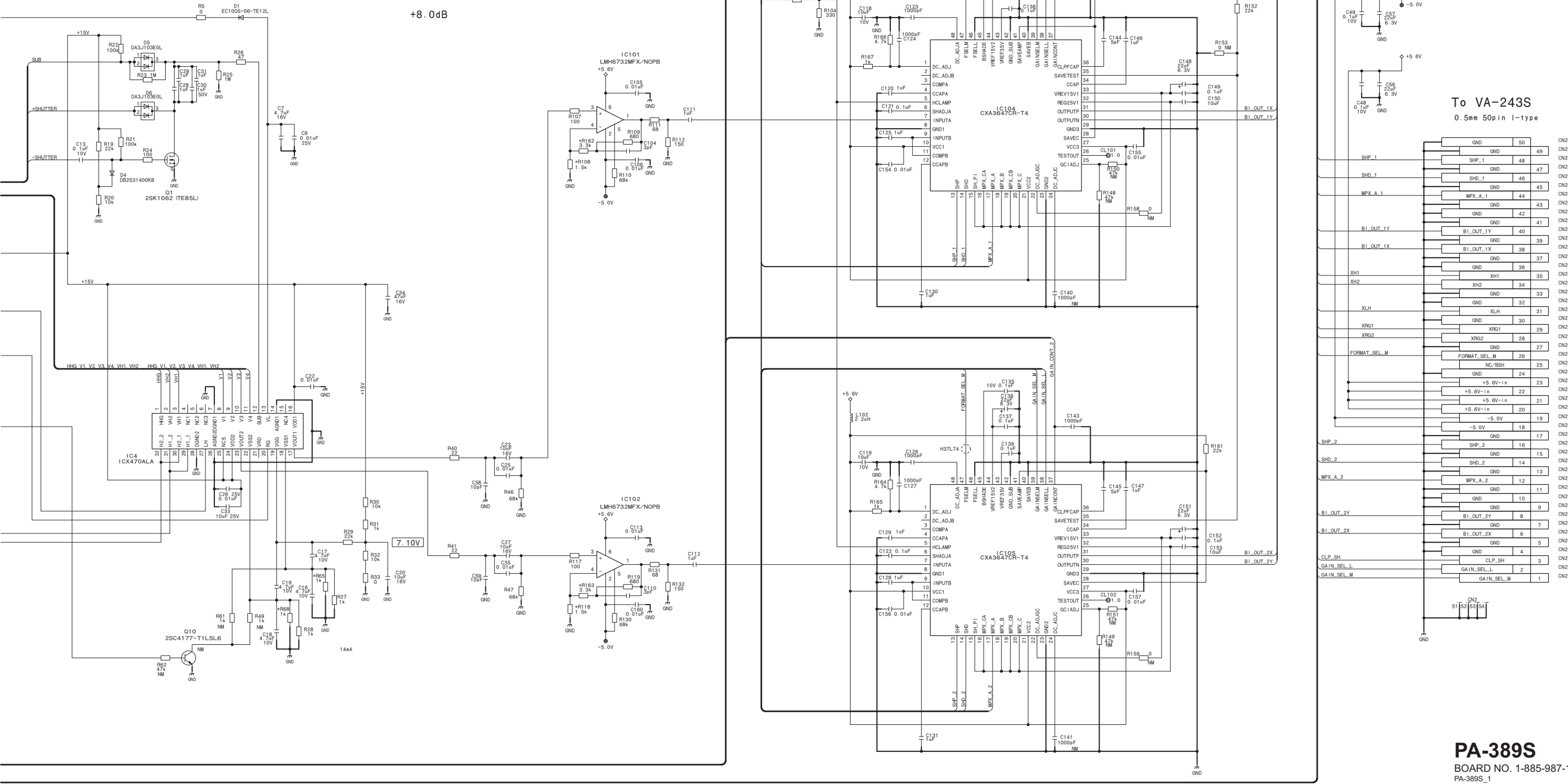
PA-389S  
PA-389S\_L

To IF-1168  
0.5mm 50pin l-type



PA-389S\_1

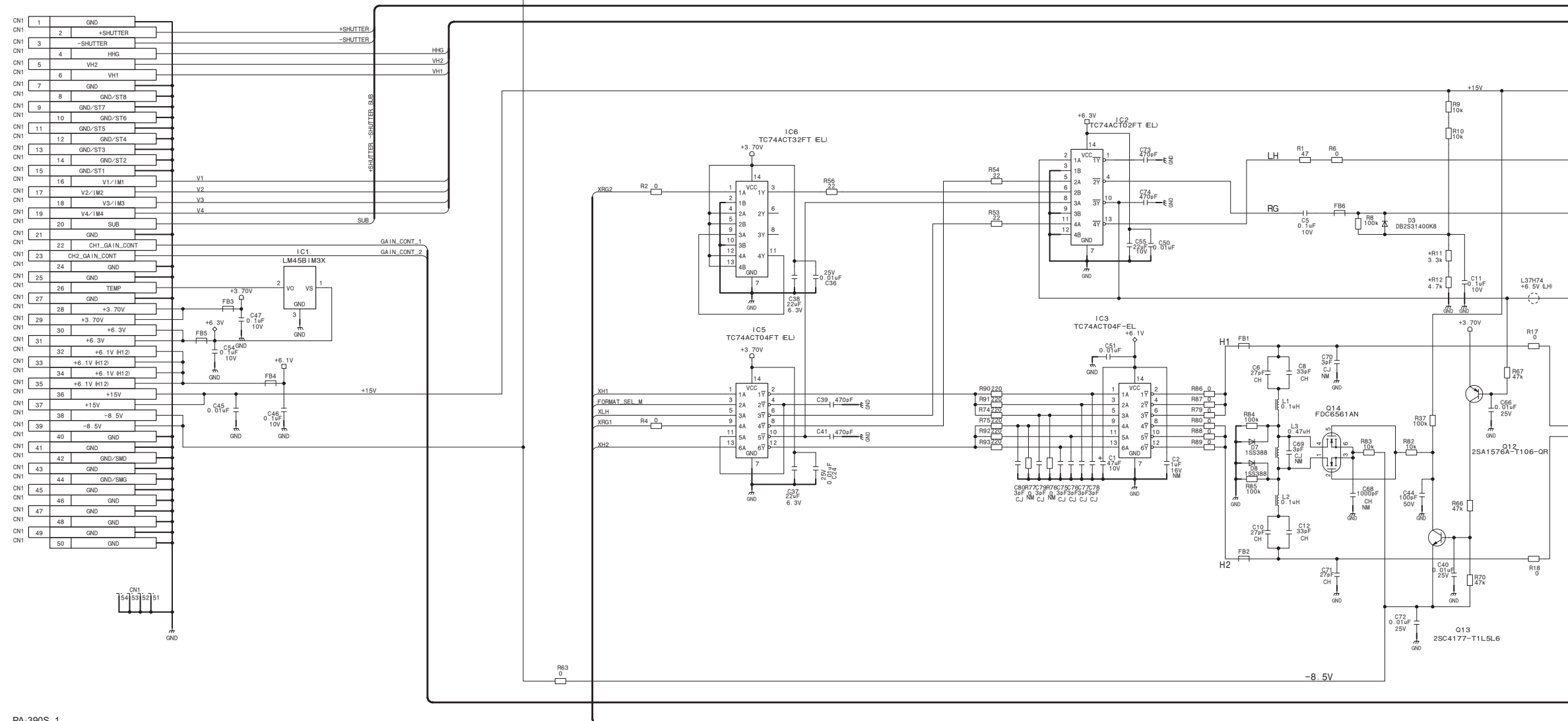




PA-389S  
BOARD NO. 1-885-987-11  
PA-389S\_1

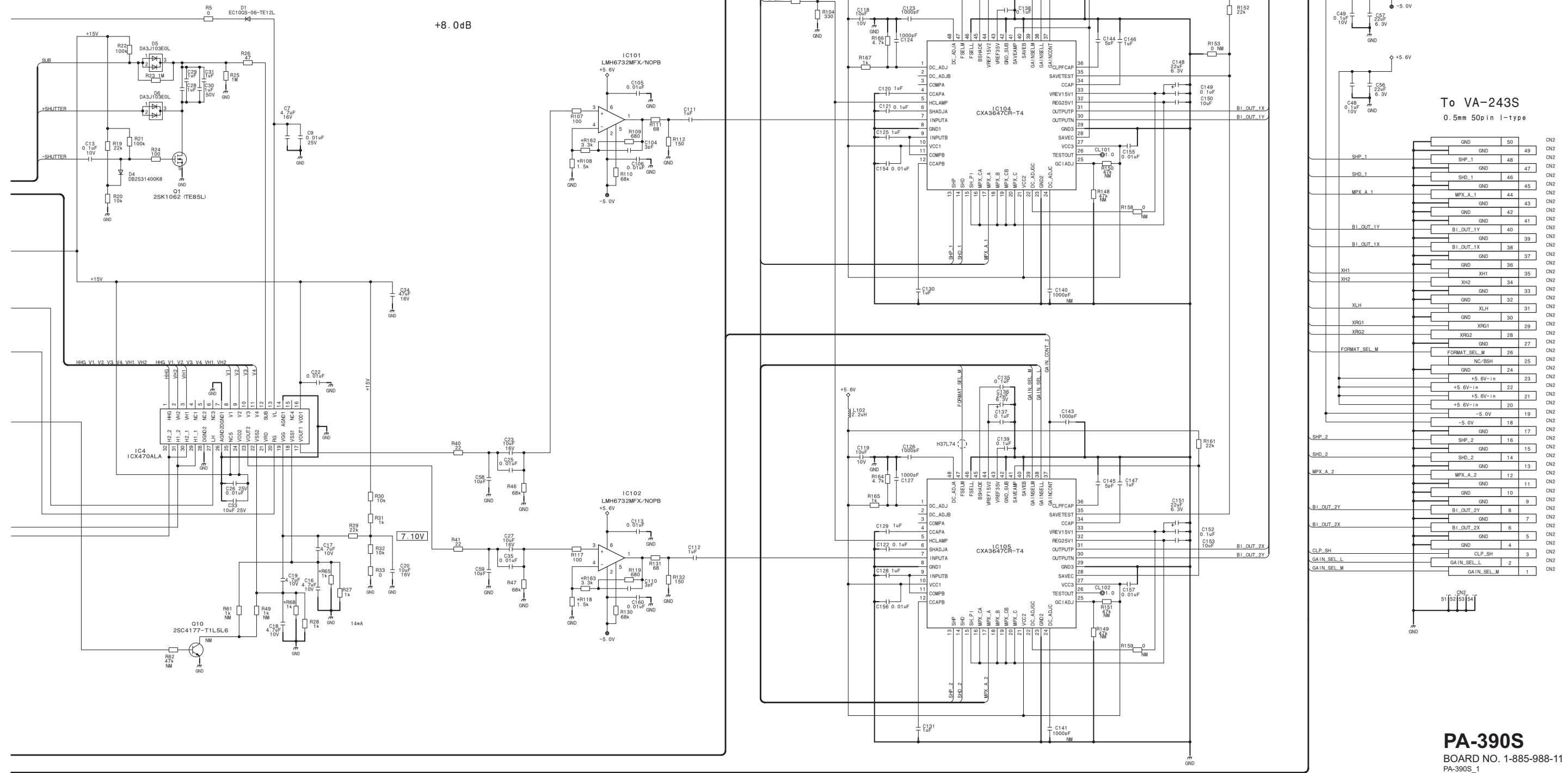
PA-390S  
PA-390S\_L

To IF-1168  
0.5mm 50pin I-type

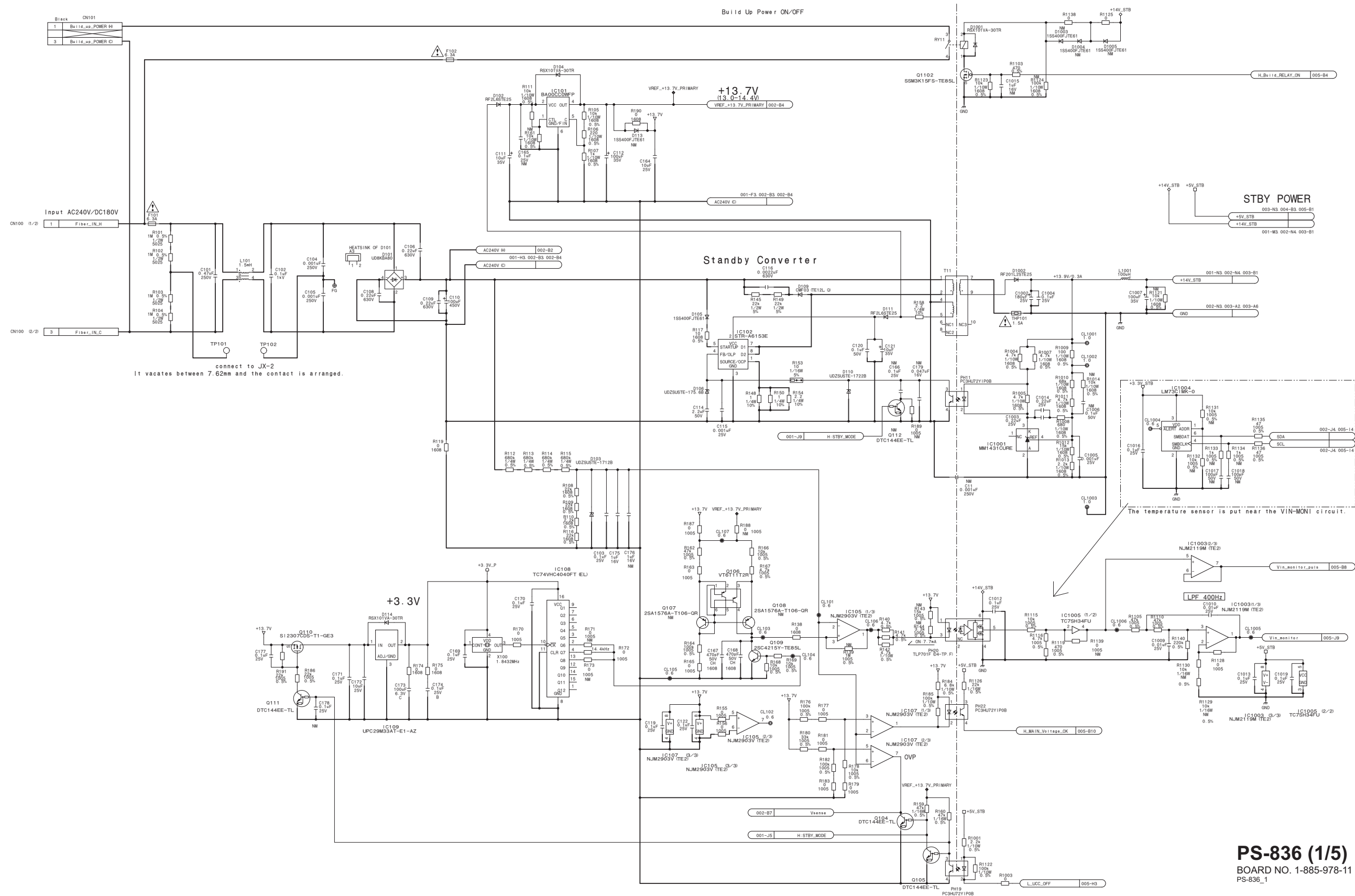




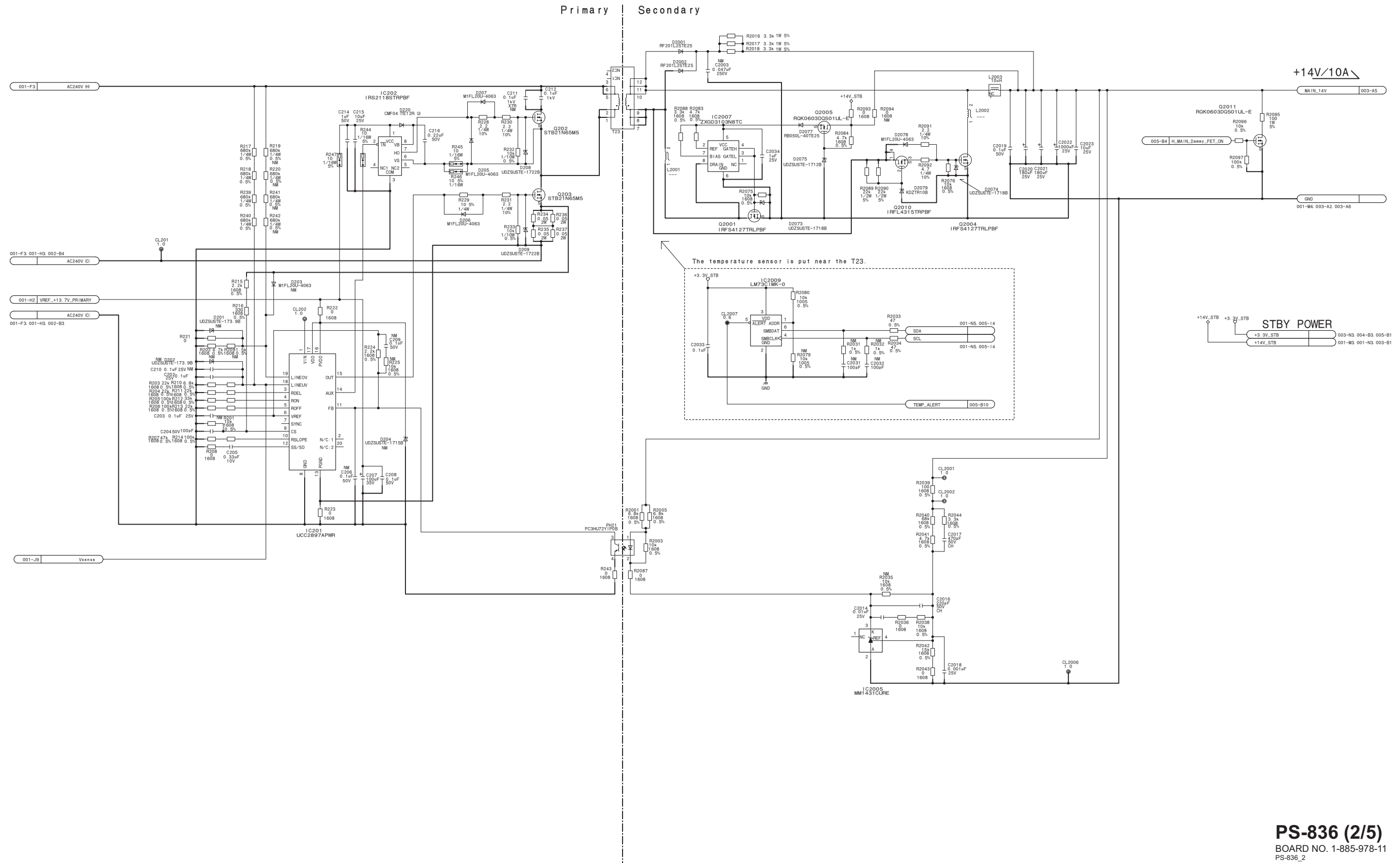
**PA-390S\_R**



**PS-836**  
**PS-836 (1/5)**

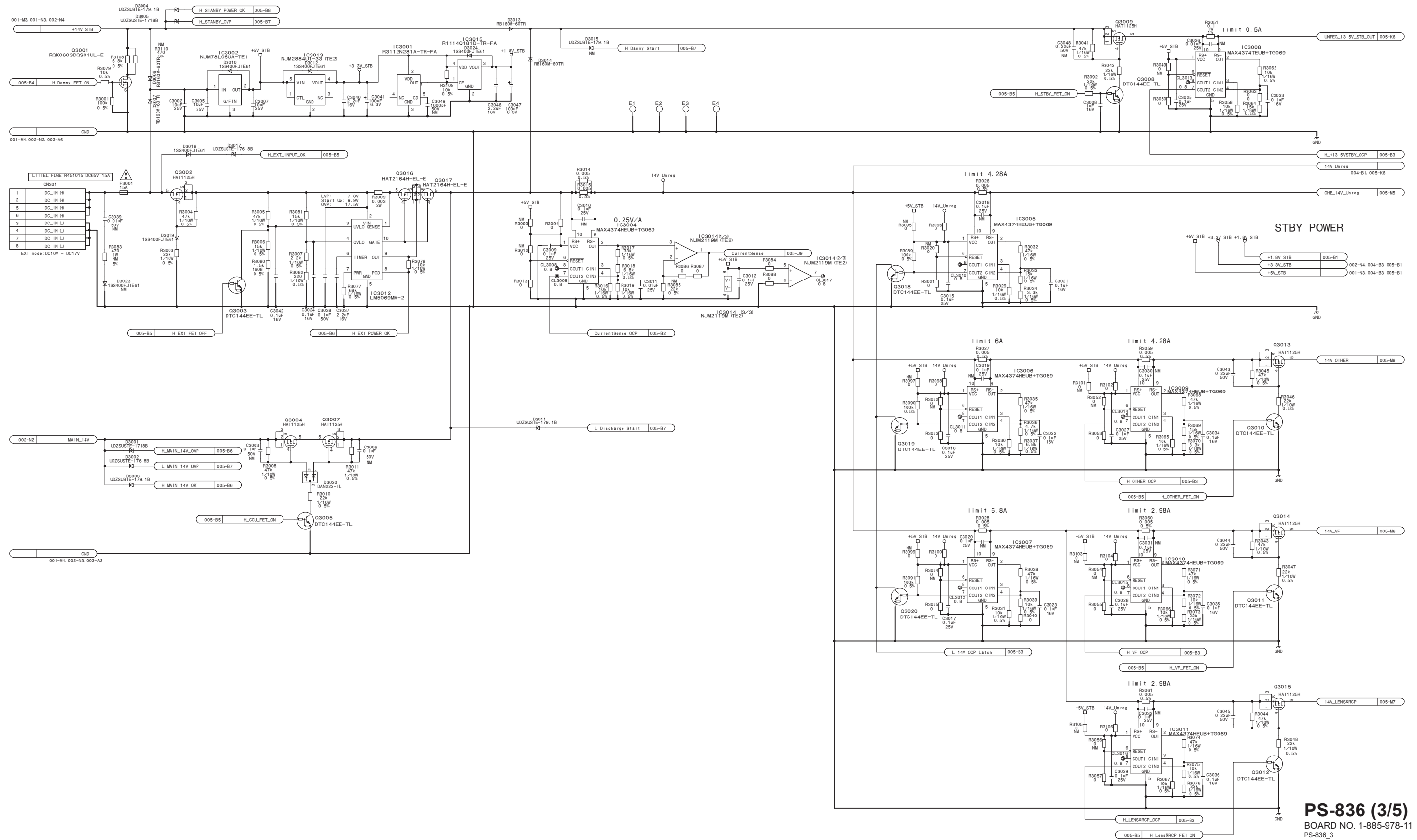


**PS-836 (2/5)**



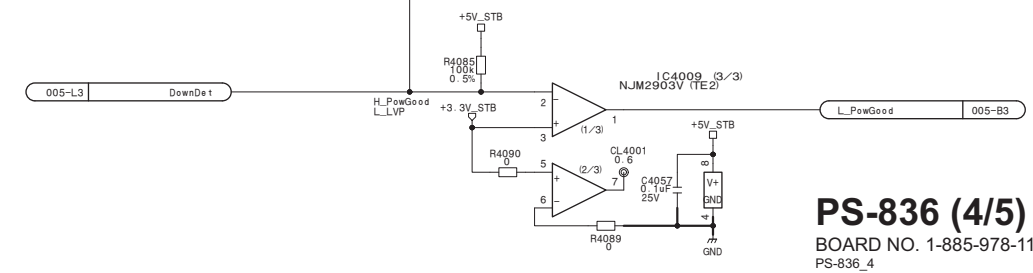
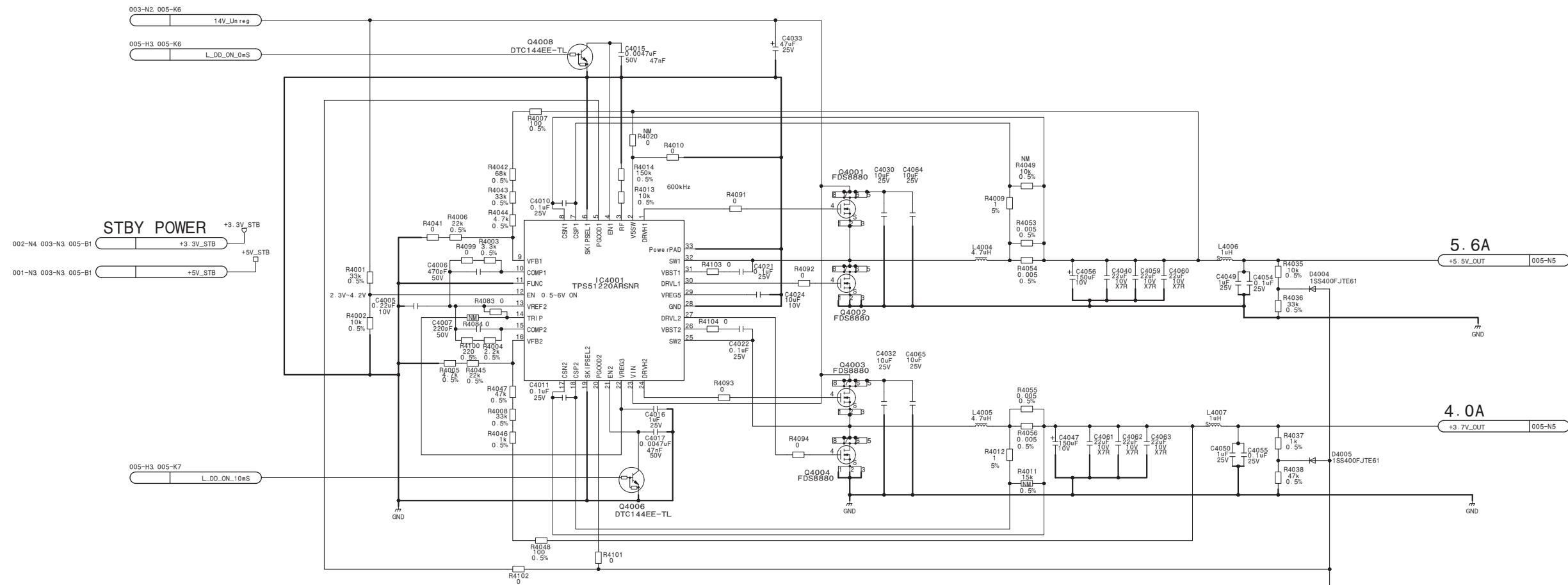
**PS-836 (2/5)**  
BOARD NO. 1-885-978-11  
PS-836\_2

**PS-836 (3/5)**



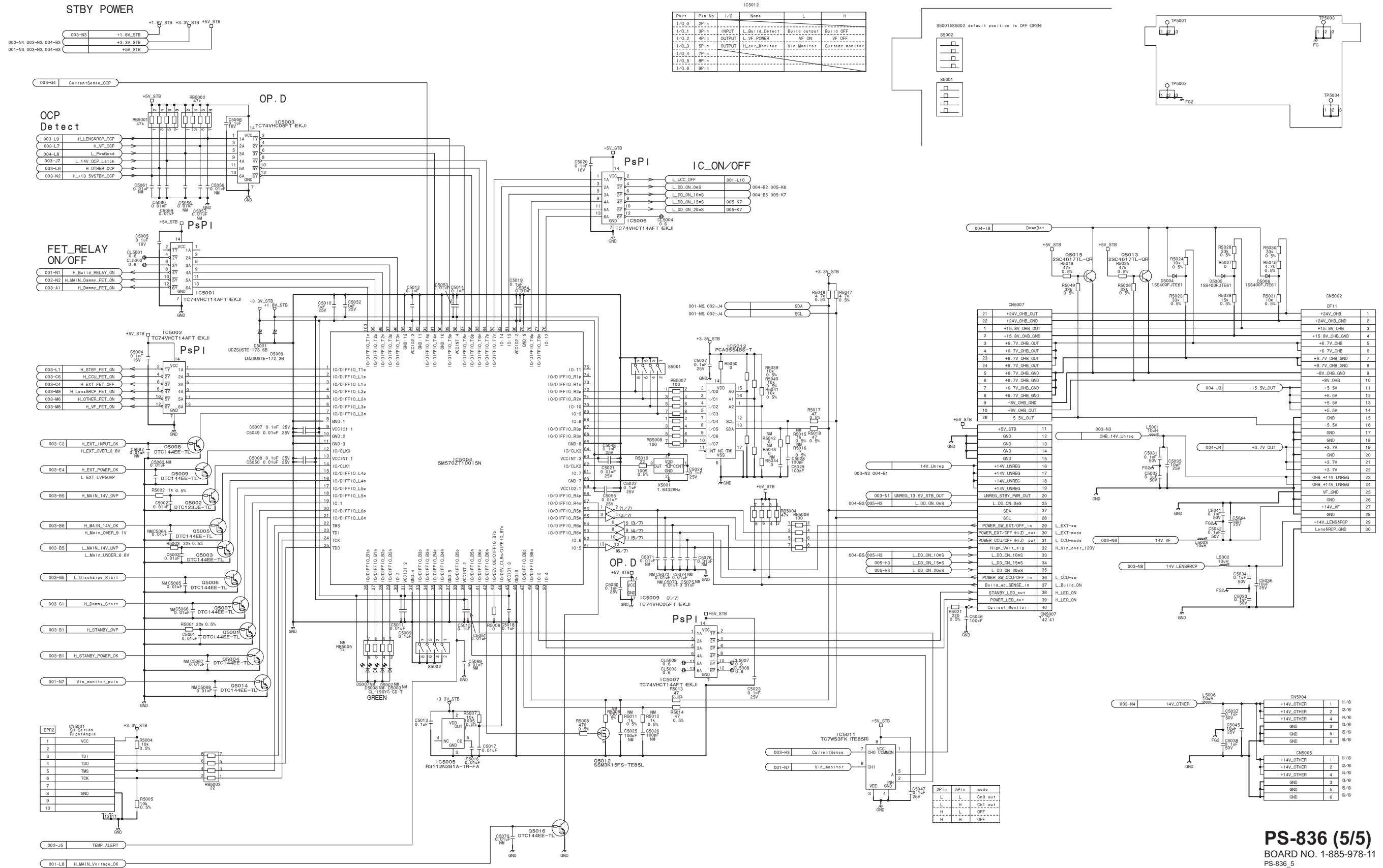
**PS-836 (3/5)**  
BOARD NO. 1-885-978-11  
PS-836\_3

## PS-836 (4/5)



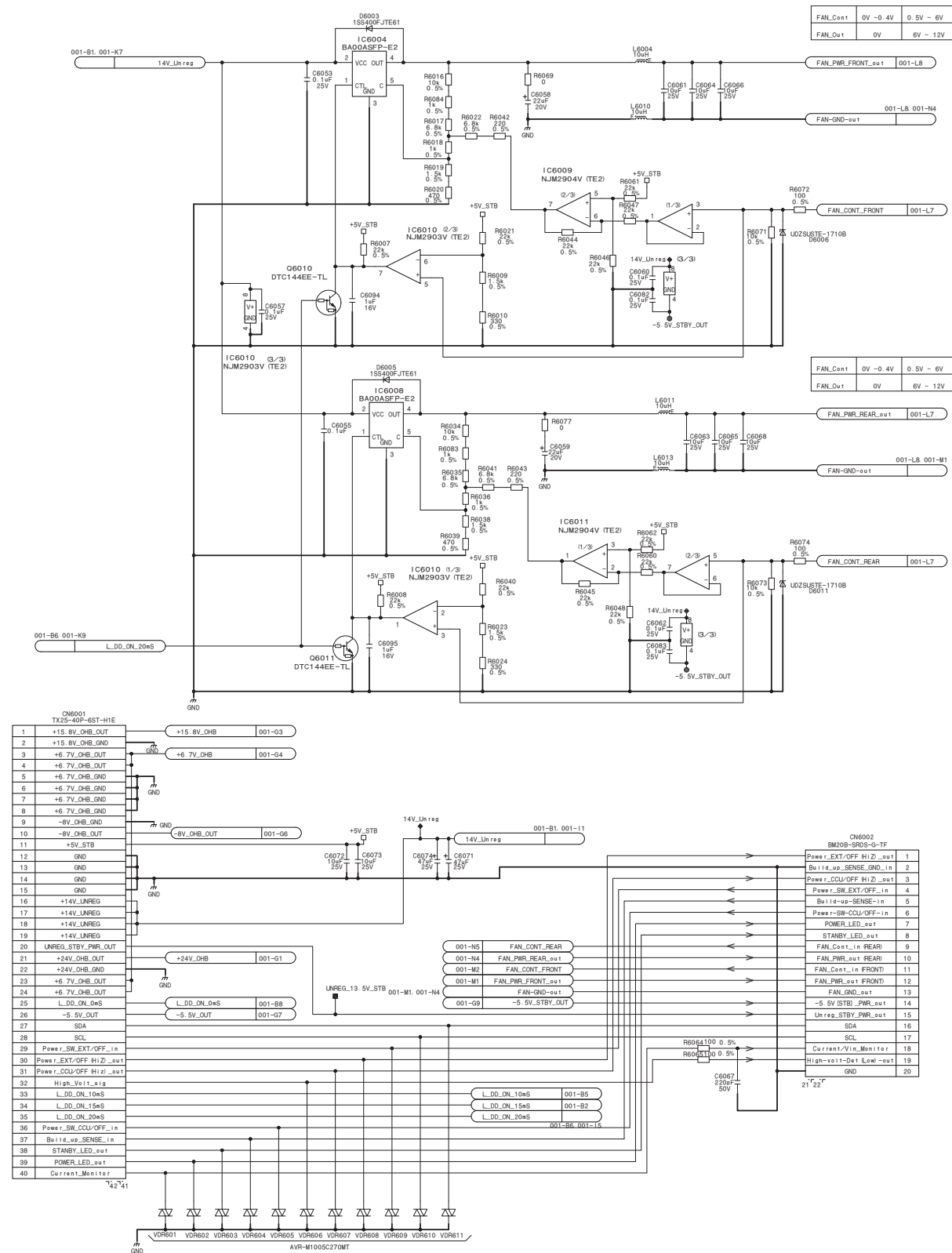
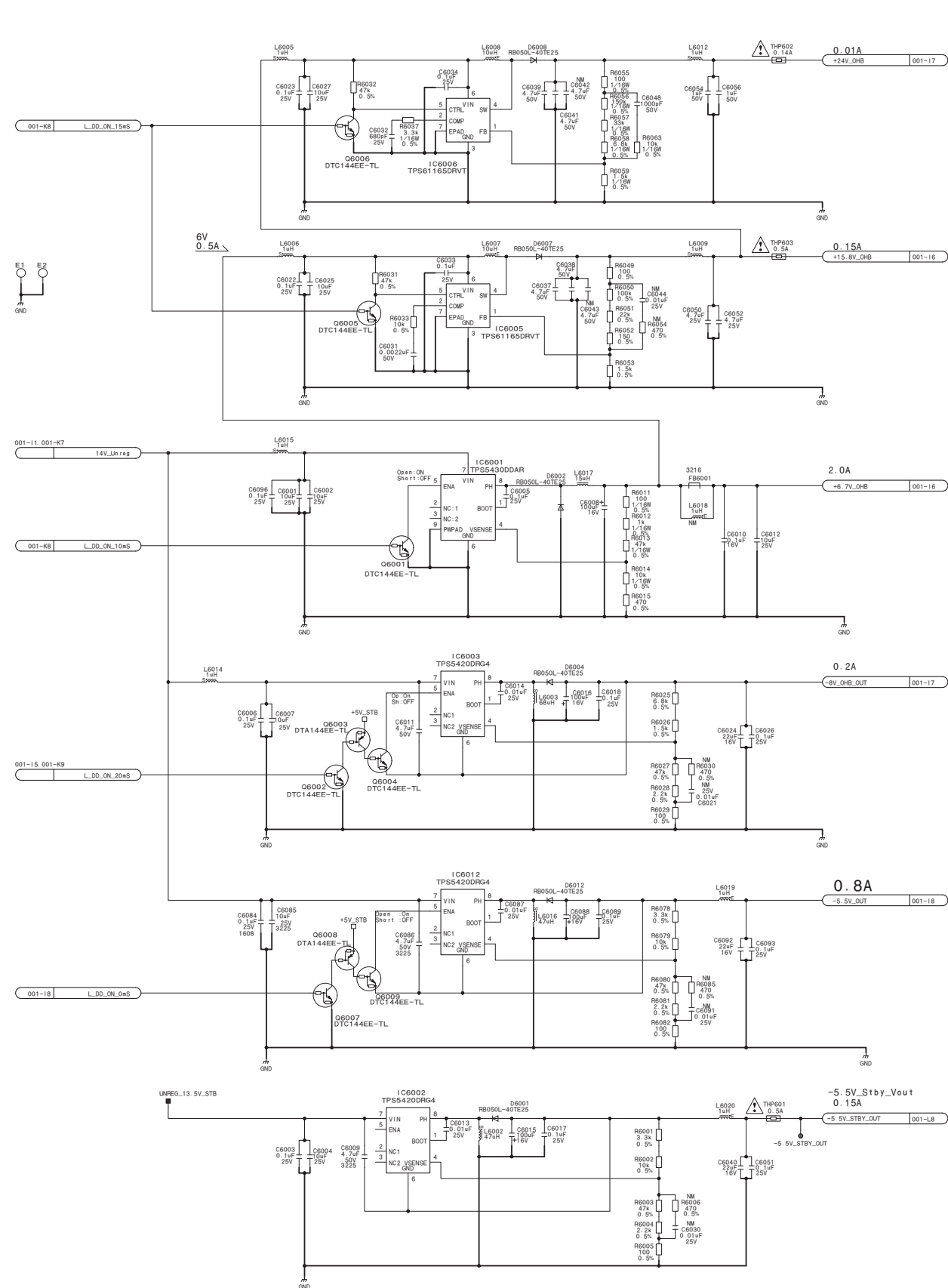
**PS-836 (4/5)**  
BOARD NO. 1-885-978-11  
PS-836\_4

## PS-836 (5/5)



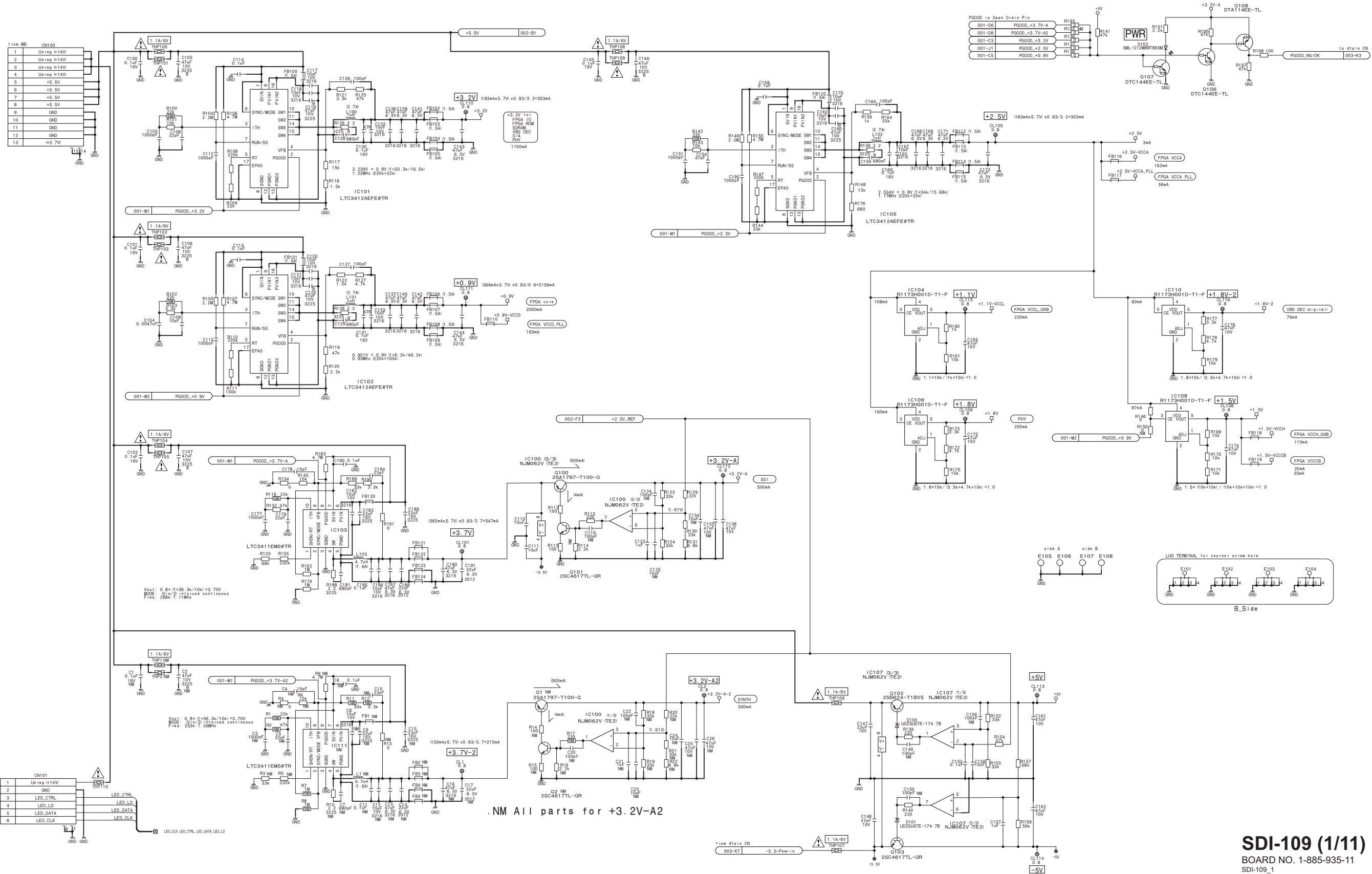


## RE-291



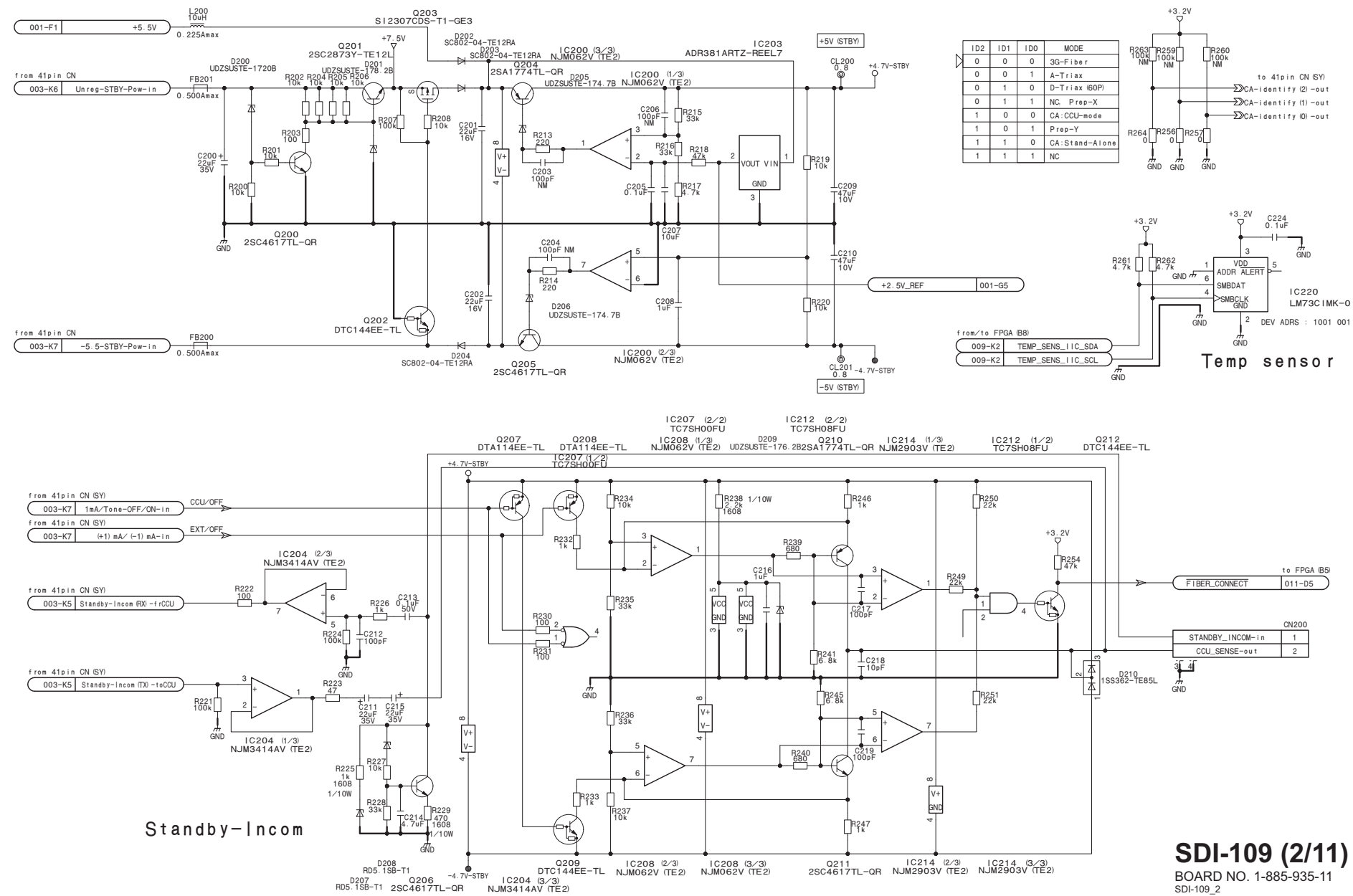
**RE-291**  
BOARD NO. 1-885-979-11  
RE-291\_1

SDI-109  
SDI-109 (1/11)





## SDI-109 (2/11)

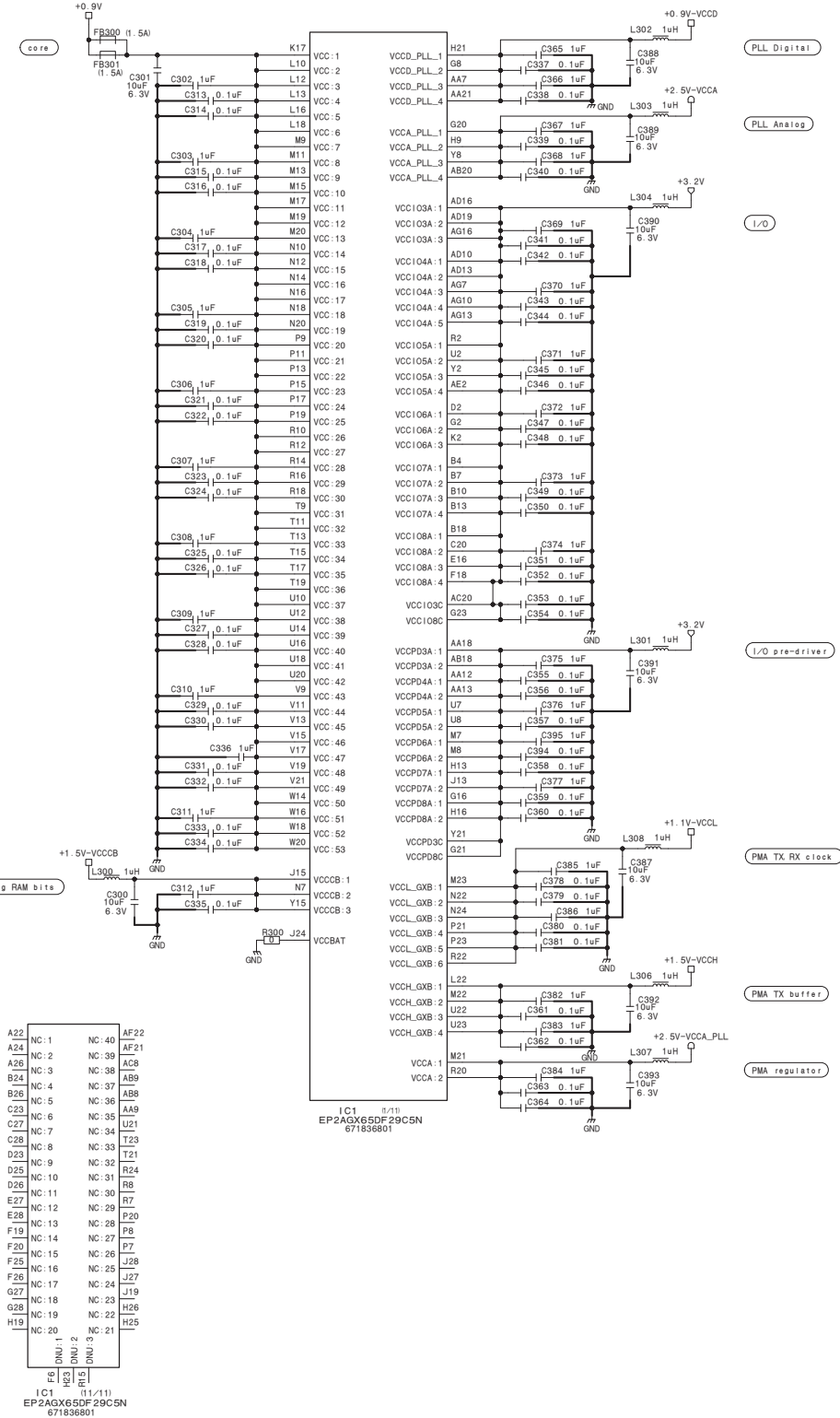


|     |        |         |      |
|-----|--------|---------|------|
| A21 | GND:1  |         | AH26 |
| A23 | GND:2  | GND:193 | AH24 |
| A25 | GND:3  | GND:192 | AH22 |
| B2  | GND:4  | GND:191 | AH20 |
| B5  | GND:5  | GND:190 | AG28 |
| B8  | GND:6  | GND:189 | AG26 |
| B11 | GND:7  | GND:188 | AG24 |
| B14 | GND:8  | GND:187 | AG22 |
| B17 | GND:9  | GND:186 | AG21 |
| B20 | GND:10 | GND:185 | AG20 |
| B21 | GND:11 | GND:184 | AG17 |
| B22 | GND:12 | GND:183 | AG14 |
| B23 | GND:13 | GND:182 | AG11 |
| B24 | GND:14 | GND:181 | AG10 |
| B25 | GND:15 | GND:180 | AG8  |
| B27 | GND:16 | GND:179 | AG5  |
| B28 | GND:17 | GND:178 | AG2  |
| C22 | GND:18 | GND:177 | AF28 |
| C24 | GND:19 | GND:176 | AF27 |
| C25 | GND:20 | GND:175 | AF26 |
| C26 | GND:21 | GND:174 | AF25 |
| D22 | GND:22 | GND:173 | AF23 |
| D24 | GND:23 | GND:172 | AE26 |
| D27 | GND:24 | GND:171 | AE25 |
| D28 | GND:25 | GND:170 | AE23 |
| E2  | GND:26 | GND:169 | AD28 |
| E5  | GND:27 | GND:168 | AD27 |
| E8  | GND:28 | GND:167 | AD20 |
| E11 | GND:29 | GND:166 | AD17 |
| E14 | GND:30 | GND:165 | AD14 |
| E17 | GND:31 | GND:164 | AD11 |
| E20 | GND:32 | GND:163 | AD8  |
| E23 | GND:33 | GND:162 | AD2  |
| E26 | GND:34 | GND:161 | AC26 |
| F27 | GND:35 | GND:160 | AC25 |
| F28 | GND:36 | GND:159 | AB28 |
| G8  | GND:37 | GND:158 | AB27 |
| G22 | GND:38 | GND:157 | AB23 |
| G25 | GND:39 | GND:156 | AB21 |
| G26 | GND:40 | GND:155 | AA26 |
| H2  | GND:41 | GND:154 | AA25 |
| H5  | GND:42 | GND:153 | AA25 |
| H8  | GND:43 | GND:152 | AA20 |
| H11 | GND:44 | GND:150 | AA17 |
| H14 | GND:45 | GND:149 | AA14 |
| H17 | GND:46 | GND:148 | AA11 |
| H20 | GND:47 | GND:147 | AA8  |
| H27 | GND:48 | GND:146 | AA2  |
| H28 | GND:49 | GND:145 | Y28  |
| J25 | GND:50 | GND:144 | Y27  |
| J26 | GND:51 | GND:143 | W2   |
| K23 | GND:52 | GND:142 | W22  |
| K27 | GND:53 | GND:141 | W25  |
| L2  | GND:54 | GND:140 | W22  |
| L5  | GND:55 | GND:139 | W19  |
| L8  | GND:56 | GND:138 | W17  |
| L11 | GND:57 | GND:137 | W15  |
| L14 | GND:58 | GND:136 | W9   |
| L17 | GND:59 | GND:135 | V28  |
| L20 | GND:60 | GND:134 | V27  |
| L25 | GND:61 | GND:133 | V18  |
| L26 | GND:62 | GND:132 | V16  |
| M10 | GND:63 | GND:131 | V14  |
| M12 | GND:64 | GND:130 | V12  |
| M14 | GND:65 | GND:129 | V10  |
| M16 | GND:66 | GND:128 | V8   |
| M18 | GND:67 | GND:127 | V5   |
| M24 | GND:68 | GND:126 | V2   |
| M27 | GND:69 | GND:125 | U26  |
| M28 | GND:70 | GND:124 | U25  |
| N2  | GND:71 | GND:123 | U19  |
| N5  | GND:72 | GND:122 | U17  |
| N8  | GND:73 | GND:121 | U17  |
| N9  | GND:74 | GND:120 | U13  |
| N17 | GND:75 | GND:119 | U11  |
| N18 | GND:76 | GND:118 | U9   |
| N19 | GND:77 | GND:117 | T28  |
| N25 | GND:78 | GND:116 | T24  |
| N27 | GND:79 | GND:115 | T22  |
| N21 | GND:80 | GND:114 | T22  |
| N23 | GND:81 | GND:113 | T18  |
| N25 | GND:82 | GND:112 | T18  |
| N26 | GND:83 | GND:111 | T16  |
| P12 | GND:84 | GND:110 | T14  |
| P13 | GND:85 | GND:109 | T12  |
| P14 | GND:86 | GND:108 | T10  |
| P16 | GND:87 | GND:107 | T8   |
| P18 | GND:88 | GND:106 | T5   |
| P22 | GND:89 | GND:105 | T2   |
| P24 | GND:90 | GND:104 | R26  |
| P27 | GND:91 | GND:103 | R25  |
| P28 | GND:92 | GND:102 | R23  |
| R8  | GND:93 | GND:101 | R21  |
| R11 | GND:94 | GND:100 | R19  |
| R13 | GND:95 | GND:99  | R17  |
| R17 | GND:96 | GND:98  | R13  |
| R19 | GND:97 |         |      |

ICP1

77183601

10/11



| Pin | Signal                 | Destination         |
|-----|------------------------|---------------------|
| 1   | Fixed-1_Net1000_0K-GND | CPU_IF              |
| 2   | CPU-BUS (7)            | CPU-BUS (7)         |
| 3   | CPU-BUS (6)            | CPU-BUS (6)         |
| 4   | CPU-BUS (5)            | CPU-BUS (5)         |
| 5   | CPU-BUS (4)            | CPU-BUS (4)         |
| 6   | CPU-BUS (3)            | CPU-BUS (3)         |
| 7   | CPU-BUS (2)            | CPU-BUS (2)         |
| 8   | GND                    | CPU-BUS (1)         |
| 9   | CPU-BUS (1)            | CPU-BUS (1)         |
| 10  | CPU-BUS (0)            | CPU-BUS (0)         |
| 11  | XREAD-en-in            | XREAD-en            |
| 12  | XWRITE-en-in           | XWRITE-en           |
| 13  | CLK-GND                | CPU-CLK             |
| 14  | CPU-CLK-in             | CPU-CLK             |
| 15  | CPU-CLK-GND            | GND                 |
| 16  | XWAIT-out              | XWAIT               |
| 17  | XIRQ-out               | XIRQ                |
| 18  | CA-identify (2)-out    | CA-identify (2)-out |
| 19  | XCS (SD1/CA)-in        | XCS-in              |
| 20  | ADDR (4)-in            | ADDR (4)-in         |
| 21  | ADDR (3)-in            | ADDR (3)-in         |
| 22  | ADDR (2)-in            | ADDR (2)-in         |
| 23  | ADDR (1)-in            | ADDR (1)-in         |
| 24  | ADDR (0)-in            | ADDR (0)-in         |
| 25  | CA-Power-NG-OK-out     | PGOOD_NG/OK         |
| 26  | XRESET-in              | XRESET_in           |
| 27  | GND                    |                     |
| 28  | PLD-CS (A)-in          | PLD-CS (A)          |
| 29  | PLD-CS (B)-in          | PLD-CS (B)          |
| 30  | PLD-Ve (rLb)-LD-in     | LD                  |
| 31  | PLD-Ve (rLb)-Tx-in     | Tx/D0-Ve (rLb)      |
| 32  | PLD-Ve (rLb)-Rx-out    | Rx/D0-Ve (rLb)      |
| 33  | GND                    |                     |
| 34  | PLD-VerUp-CLK-in       | PLD-VerUp-CLK       |
| 35  | PLD-VerUp-CLK-GND      |                     |
| 36  | PLD-ReConf             | PLD-ReConf          |
| 37  | SOP1n-CA-COMM-out      | CONF_DONE           |
| 38  | PLD-Conf1g-Done-out    |                     |
| 39  | SOP1n-CAM-COMM-in      |                     |
| 40  | GND                    |                     |
| 41  | GND                    |                     |

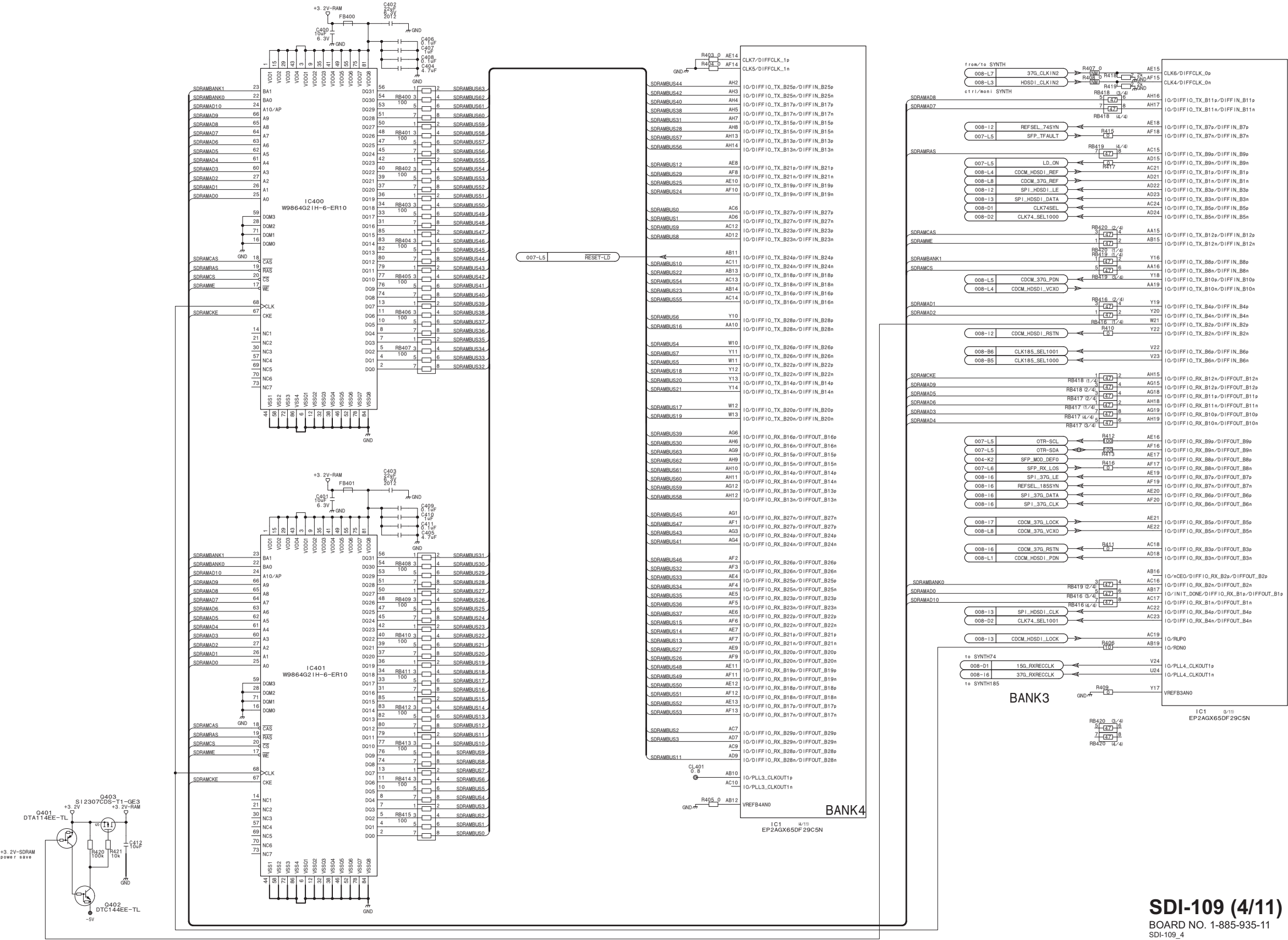
Pinout diagram for the CN302 connector. The diagram shows the connection of various signals and power pins to the connector pins.

| Pin | Signal                 | Connector Pin |
|-----|------------------------|---------------|
| 1   | Flex I-2_Nrssi_OK-GND  |               |
| 2   | Standby-Incom ITX -in  | 002-B5        |
| 3   | Temperature ICAI -out  |               |
| 4   | Standby-Incom RX0 -out | 002-B4        |
| 5   | Prep-AI                | 001-C5        |
| 6   | PD-MONI-Level-out      | 007-L5        |
| 7   | SD-27CK-in             |               |
| 8   | CLK-GND                |               |
| 9   | Prompter 00 -out       | 005-N3        |
| 10  | POWER-SAVE             | 009-K5        |
| 11  | ADV-F-out              | 009-N8        |
| 12  | ADV-H-out              | 009-N9        |
| 13  | CLK-GND                |               |
| 14  | HD-74CK-in             | 009-J1        |
| 15  | CLK-GND                |               |
| 16  | MAIN-F-in              | 009-N8        |
| 17  | NC                     |               |
| 18  | Unreg-STBY-Pow-in      | 002-B1        |
| 19  | NC                     |               |
| 20  | -5.5V-STBY-Pow-in      | 002-B3        |
| 21  | -5.5V-Pow-in           | 001-I10       |
| 22  | NC                     |               |
| 23  | Net-Work-PrepA         | 005-D4        |
| 24  | Net-Work-PrepB         | 005-D4        |
| 25  | Net-Work-INT-in        | 005-D4        |
| 26  | Net-Work-CS-in         | 005-D4        |
| 27  | GND                    |               |
| 28  | SDI-A 00               | 007-E2        |
| 29  | SDI-A 01               | 007-E2        |
| 30  | 1mA/Tone-OFF/ON-in     | 002-B4        |
| 31  | I+I mA/-I mA-in        | 002-B4        |
| 32  | SDI-B 00               | 007-E2        |
| 33  | SDI-B 01               | 007-E2        |
| 34  | GND                    |               |
| 35  | RET-A 00               | 007-E1        |
| 36  | RET-A 01               | 007-E1        |
| 37  | CA-identity 00-out     | 007-E1        |
| 38  | CA-identity 01-out     | 007-E1        |
| 39  | RET-B 00               | 007-E1        |
| 40  | RET-B 01               | 007-E1        |
| 41  | GND                    |               |

The diagram also includes a detailed schematic of the CN302 connector, showing the internal wiring and the connection to the CAM front. The connector is labeled CN302 and CN301. The schematic shows the connection of the 3.2V power supply to the connector pins, and the connection of the 50/50ohm signals to the connector pins. The connector is also connected to the CAM front via a 1pin connection.

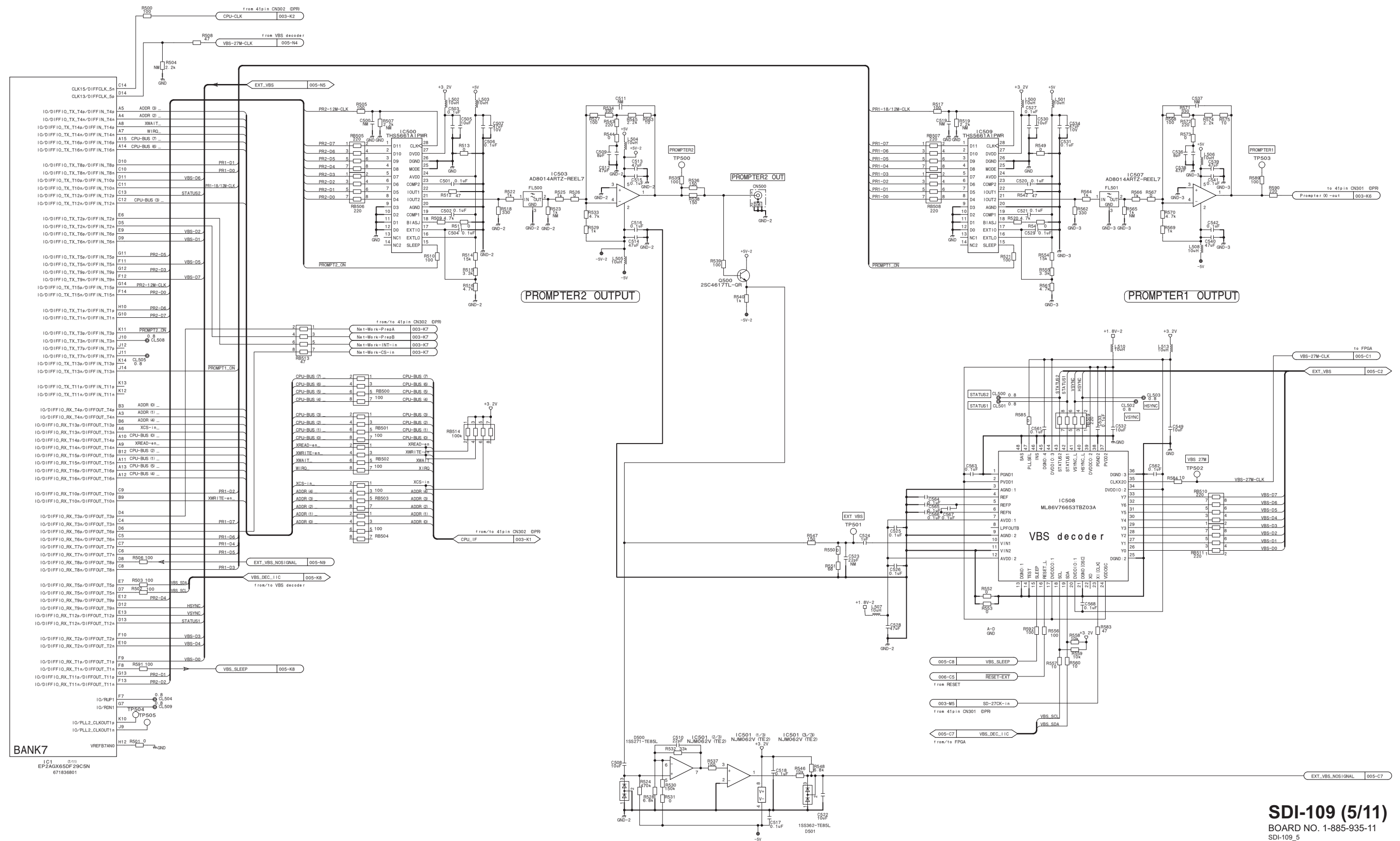
BOARD NO. 1-885-935-11  
SDI-109\_3

SDI-109 (4/11)

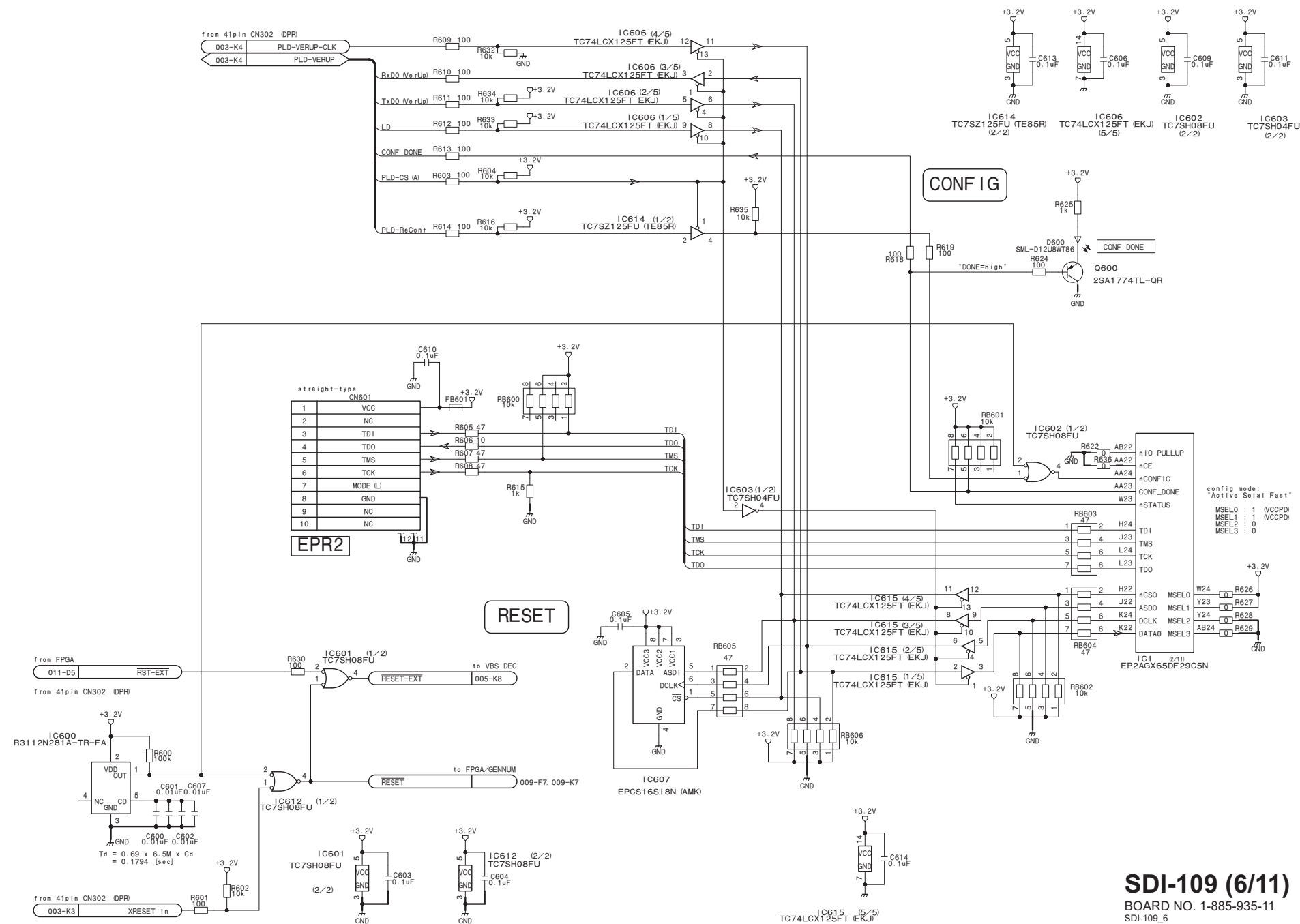


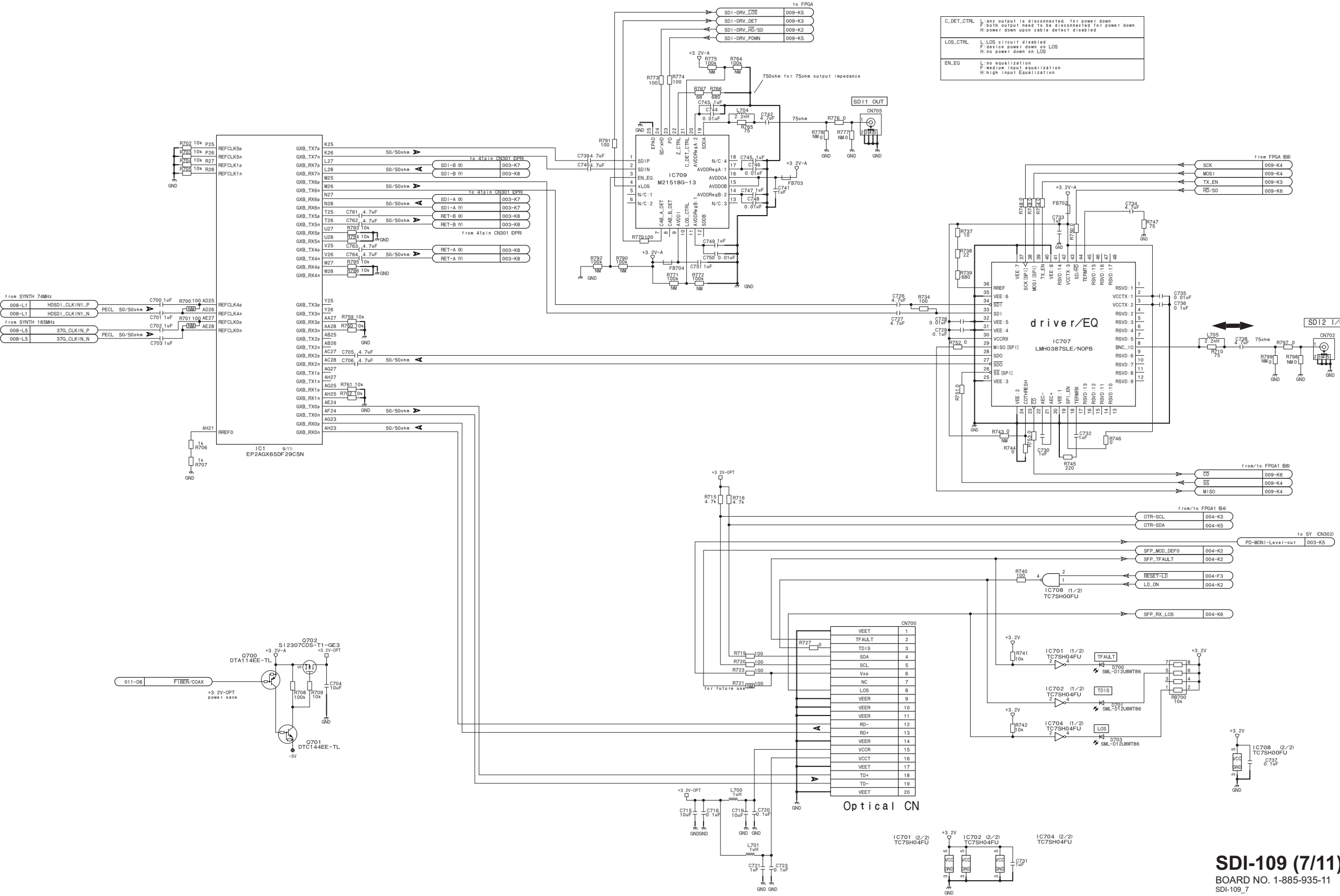
SDI-109 (4/11)  
BOARD NO. 1-885-935-11  
SDI-109\_4

## SDI-109 (5/11)



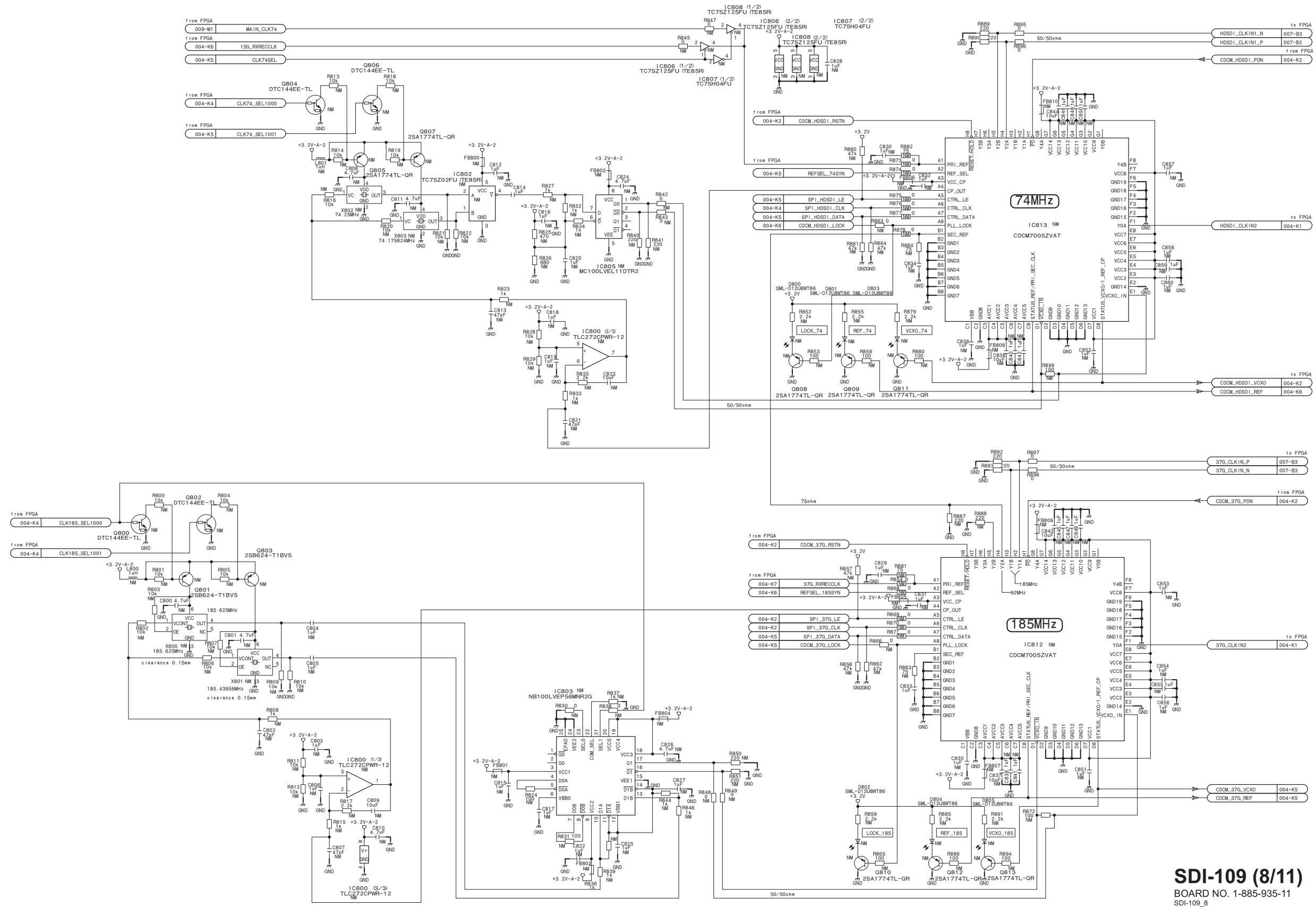
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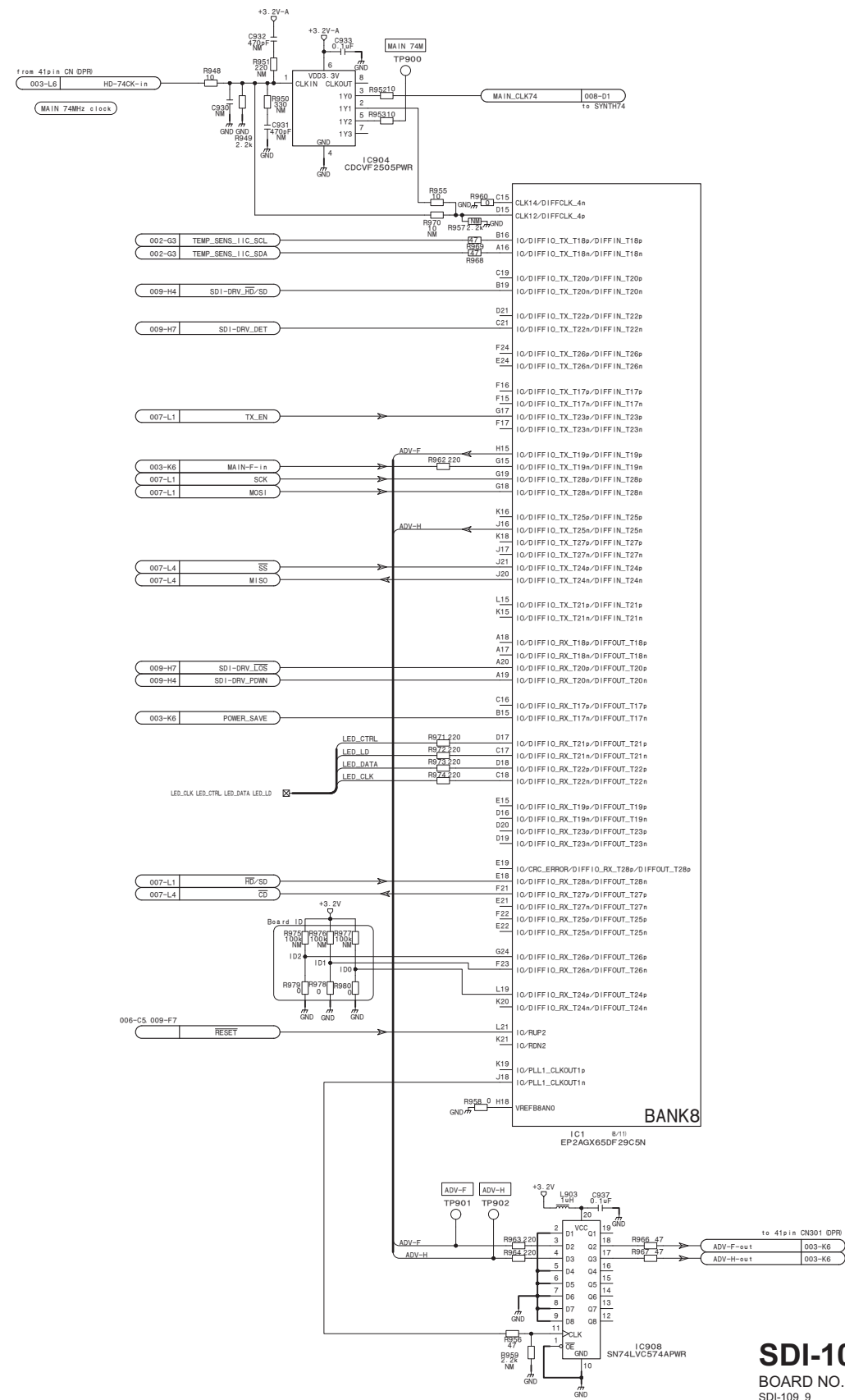




## SDI-109 (8/11)



## SDI-109 (9/11)

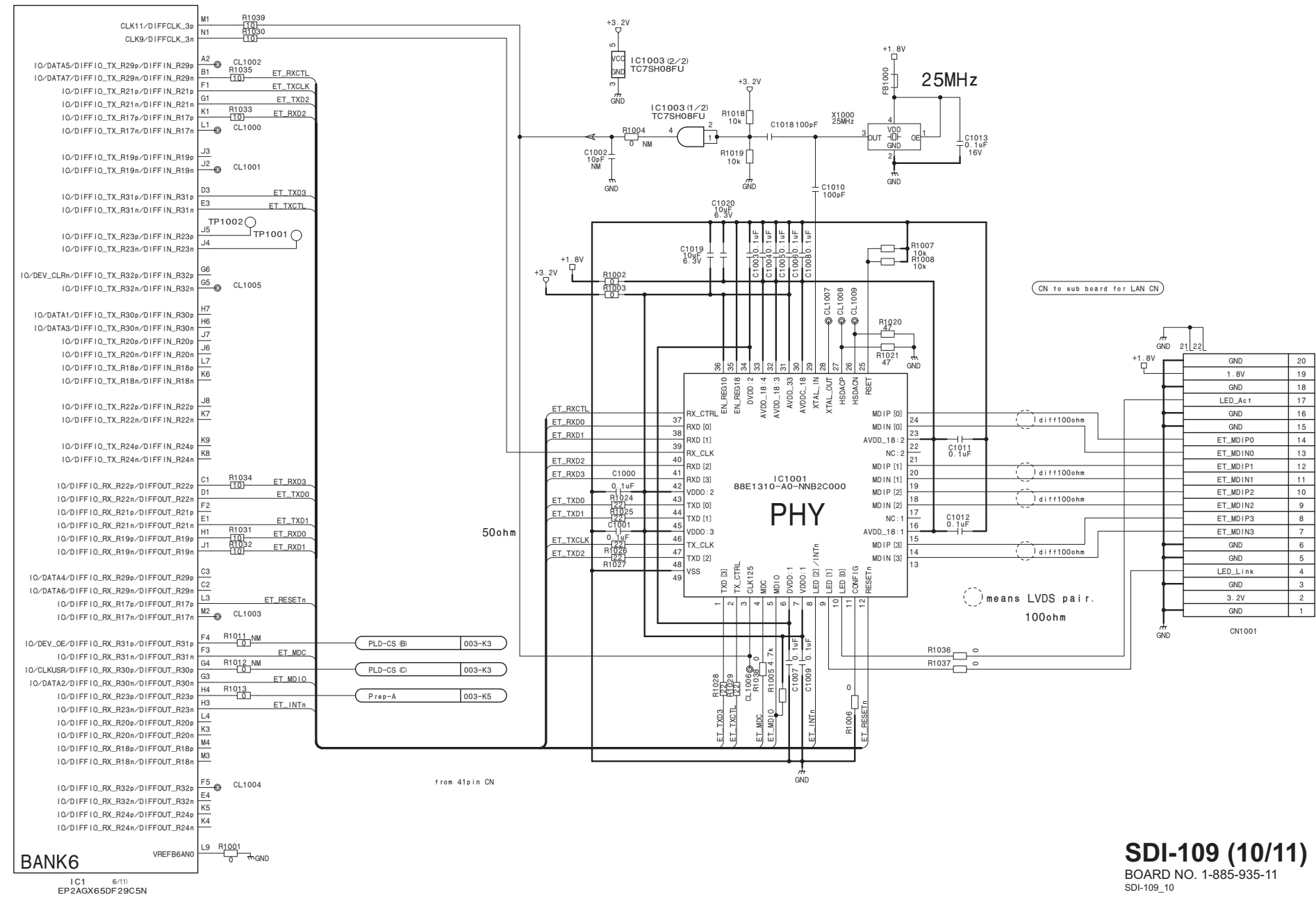


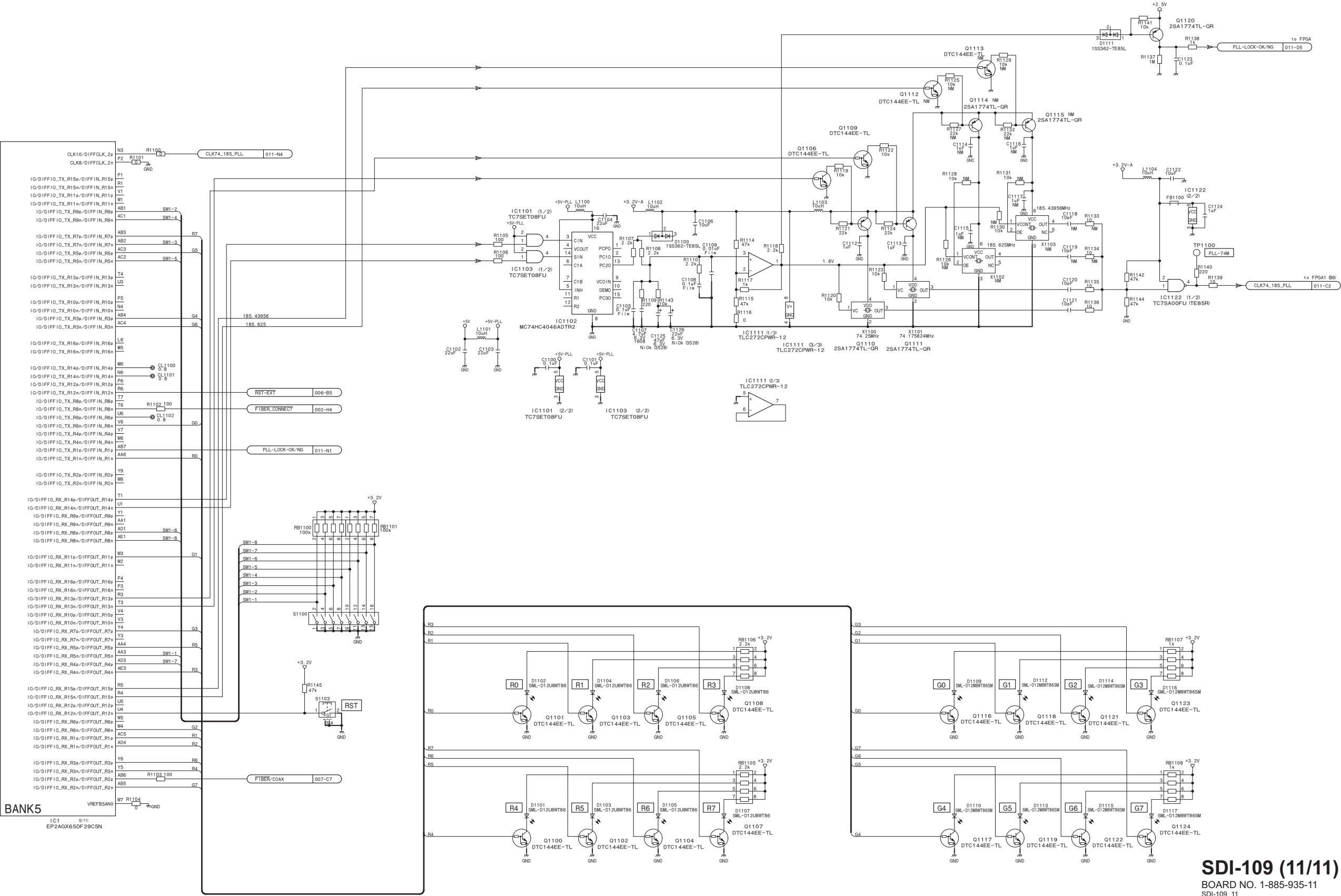
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BOARD NO. 1-885-935-11  
SDI-109\_9



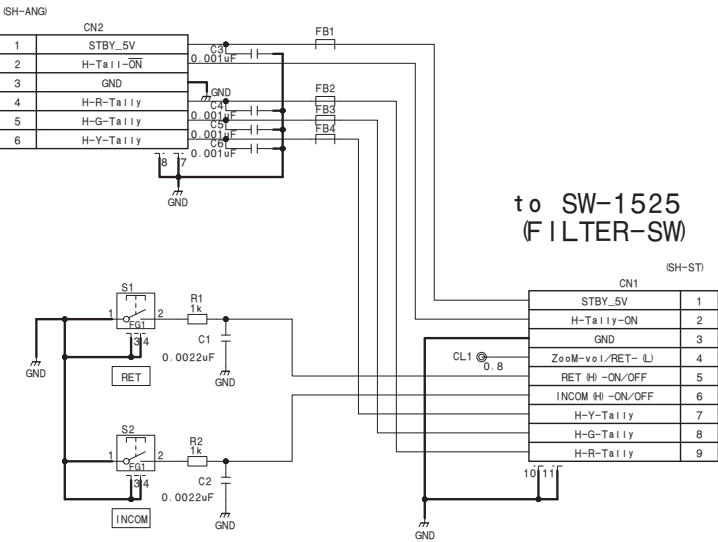
## SDI-109 (10/11)





SW-1524

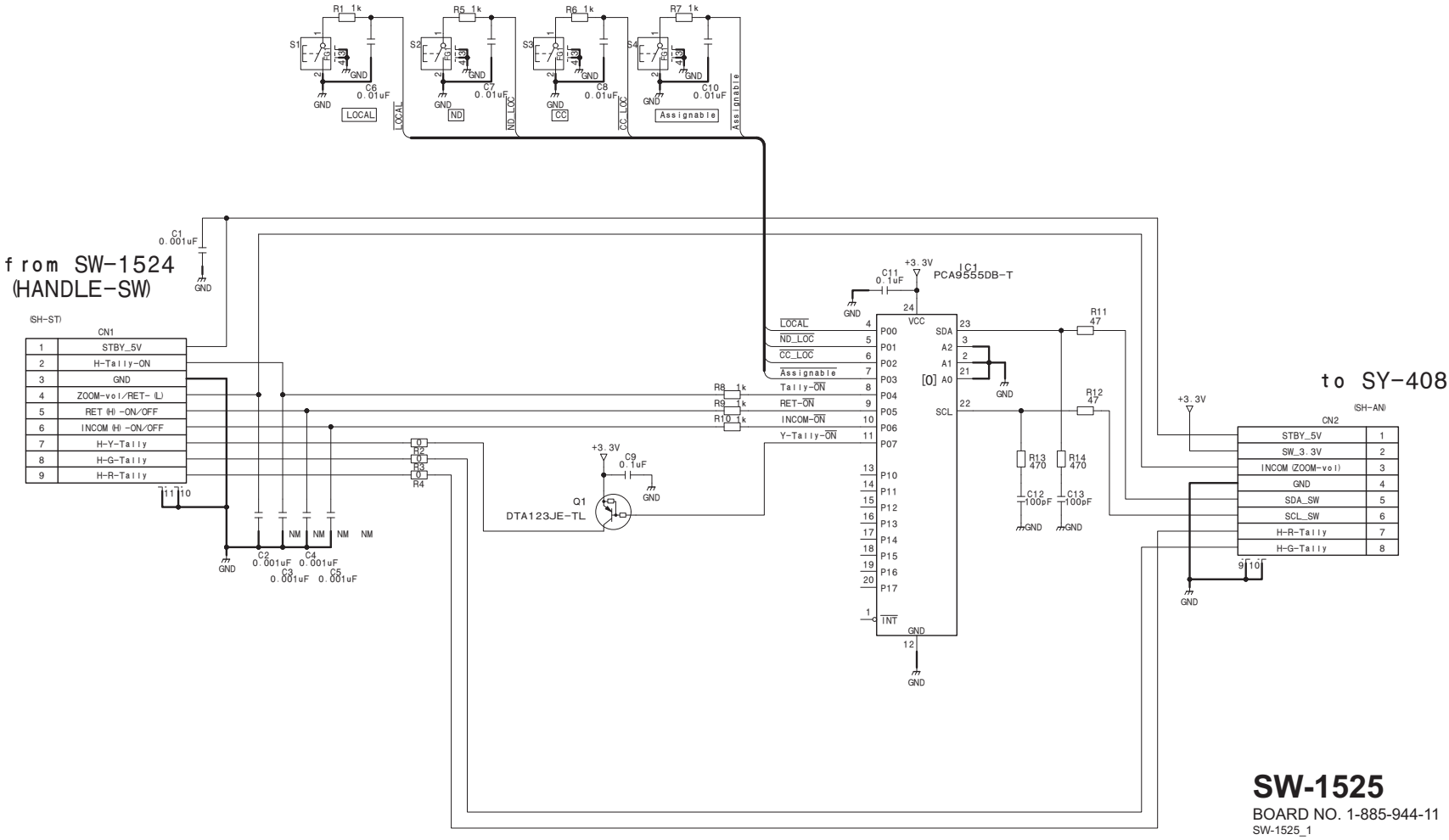
to LE-376  
(HANDLE-LED)



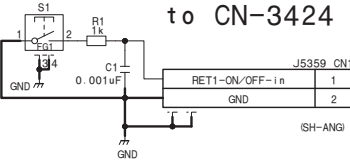
to SW-1525  
(FILTER-SW)

**SW-1524**  
BOARD NO. 1-885-943-11  
SW-1524\_1

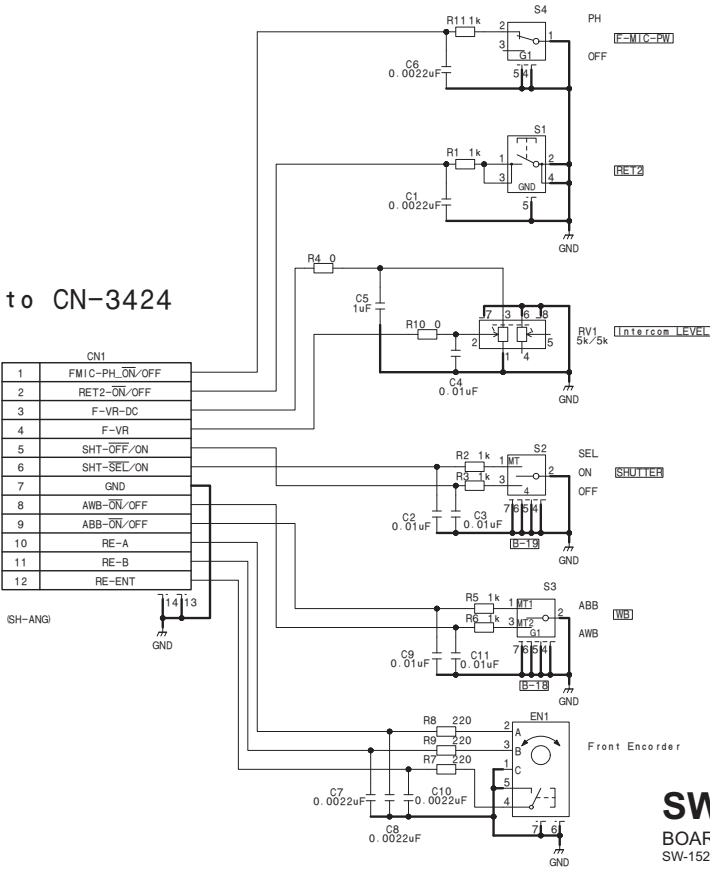
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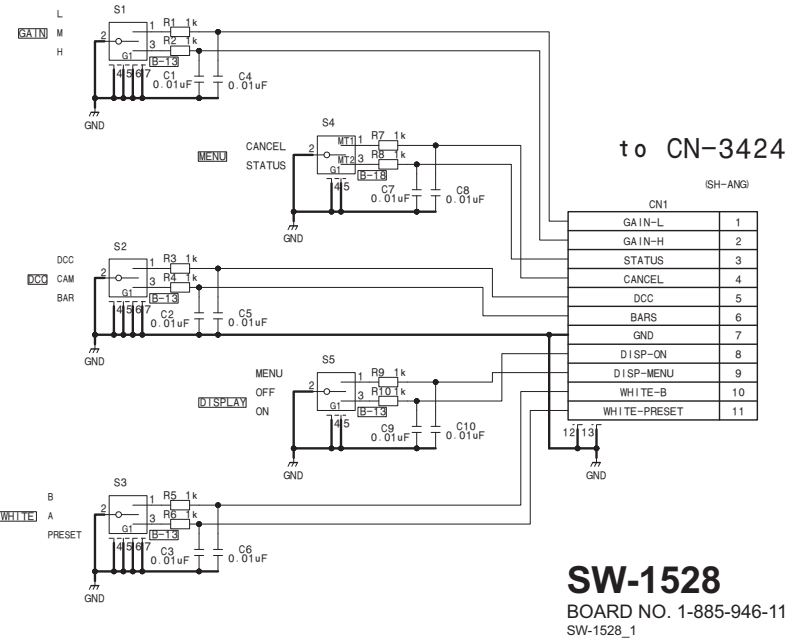
SW-1526

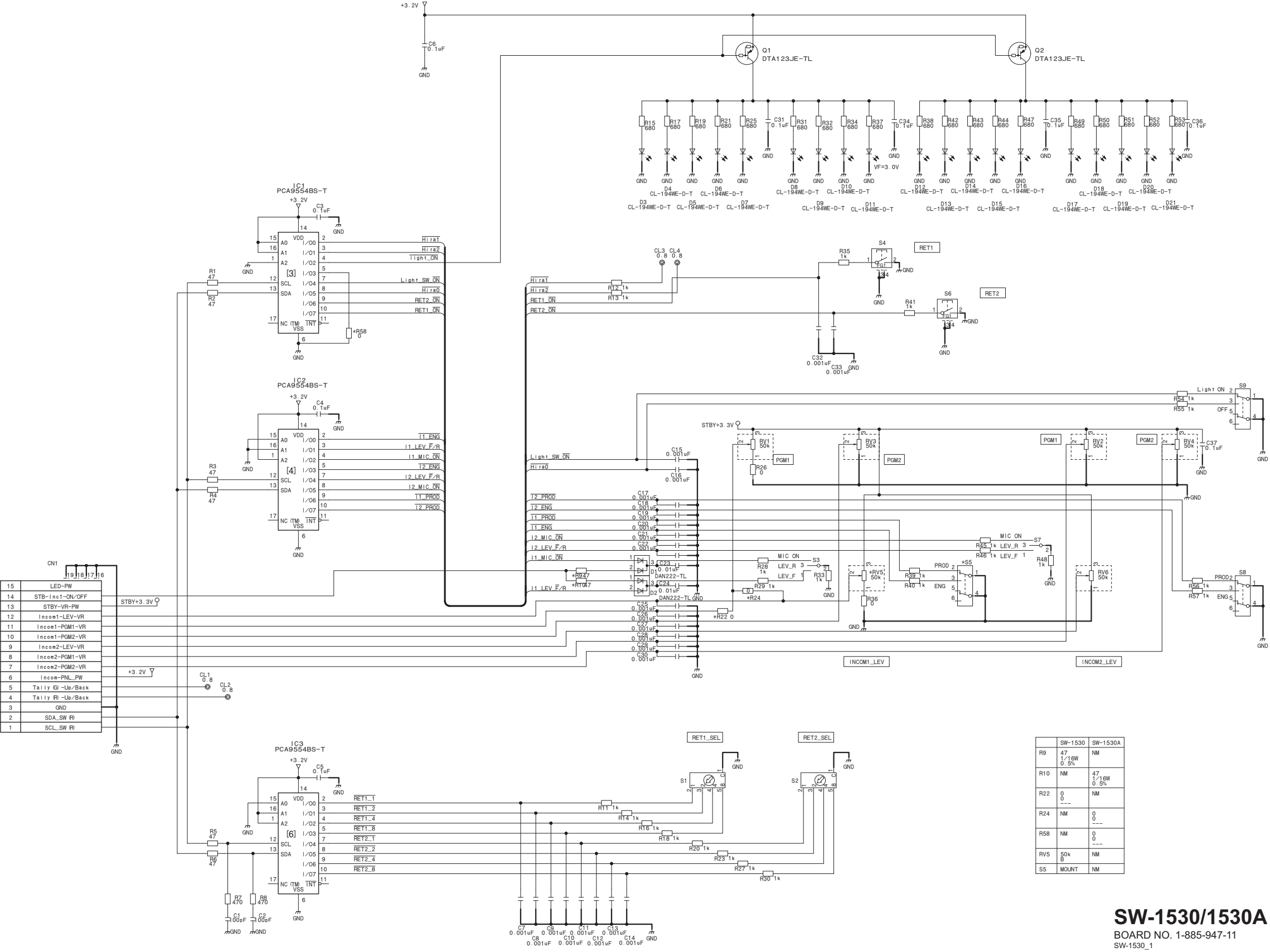


SW-1527



SW-1528





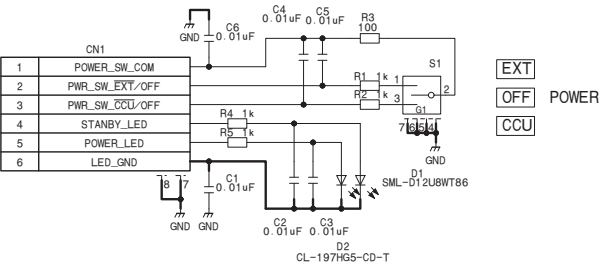
SW-1530/1530A

BOARD NO. 1-885-947-11

SW-1530\_1



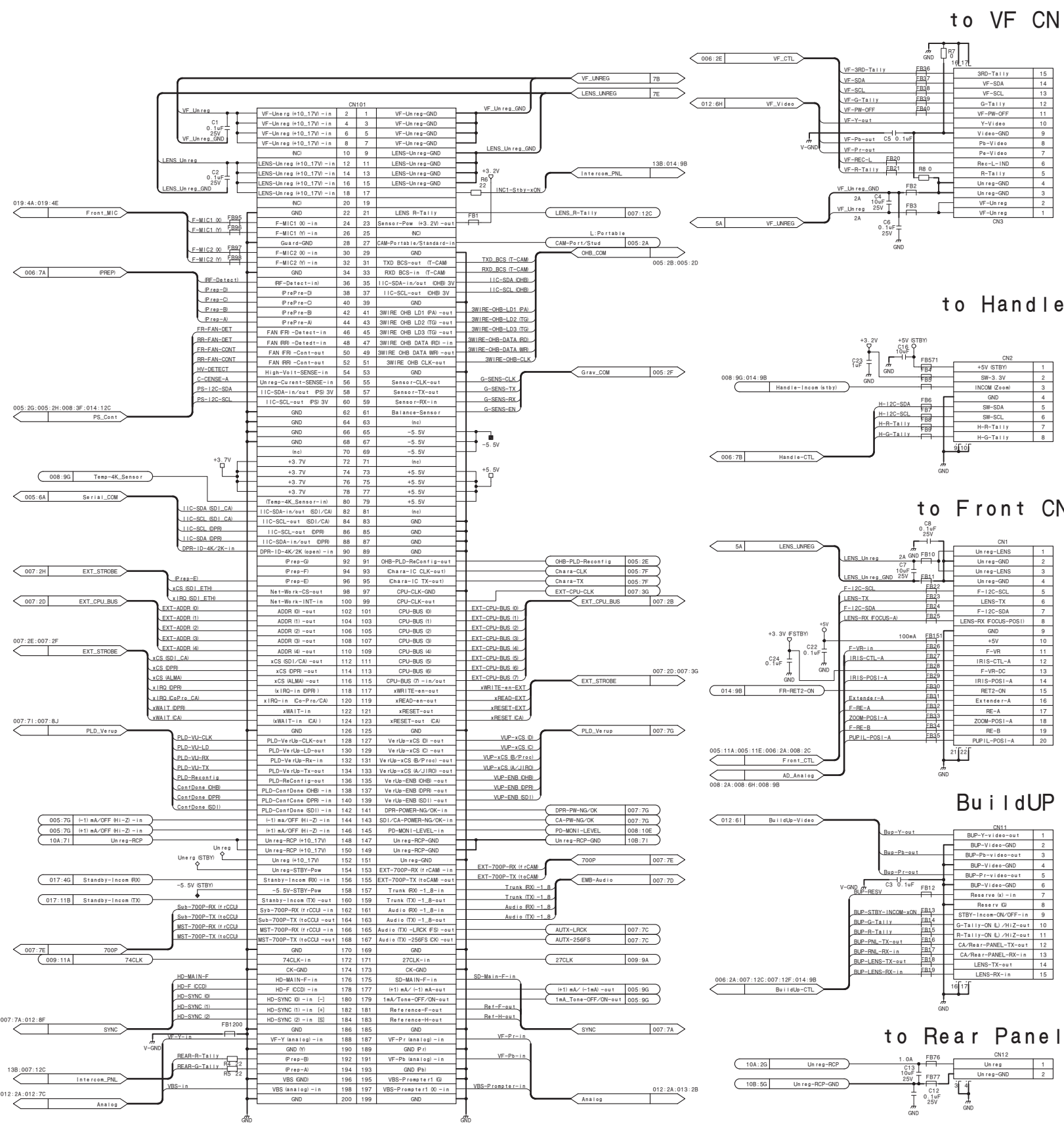
SW-1531



SW-1531

BOARD NO. 1-885-948-11  
SW-1531\_1

SY-408  
SY-408 (1/19)



to VF CN

REMOTE

Intercom Panel

to Handle

Intercom1

Intercom2

Option Panel

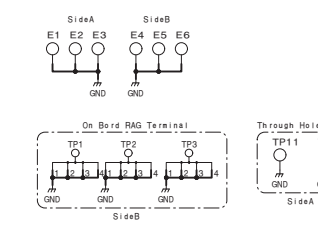
to AUDIO IN

to Front CN

to Rear Panel

BUILDUP

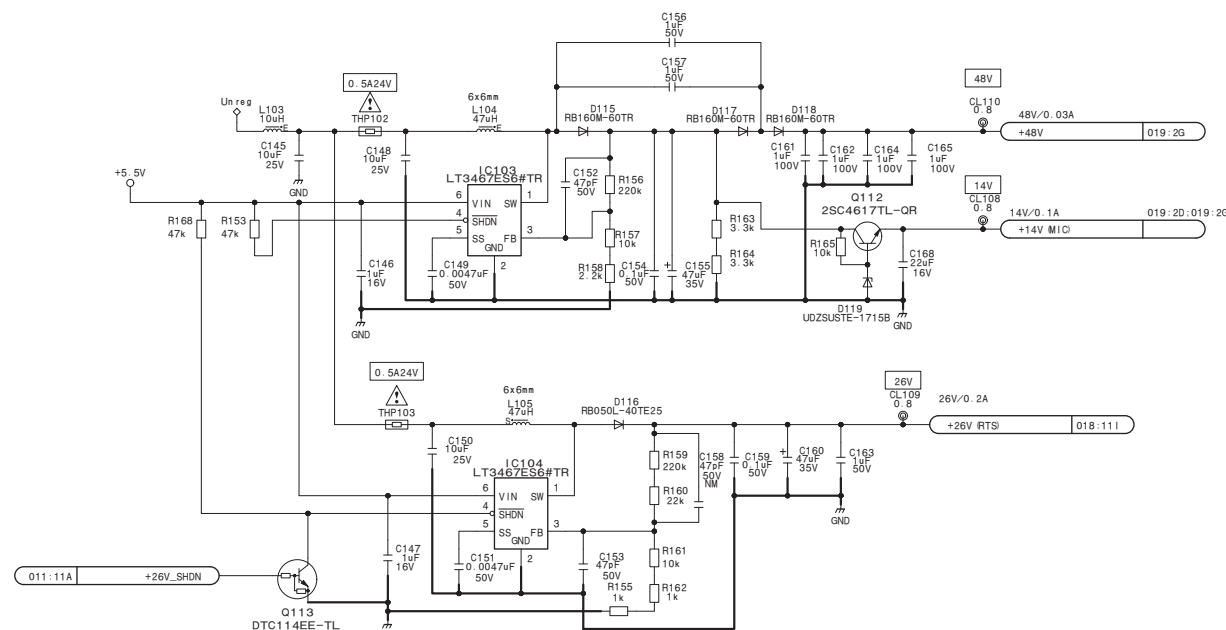
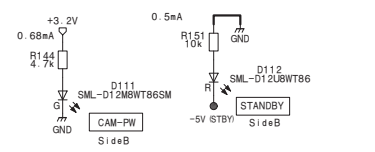
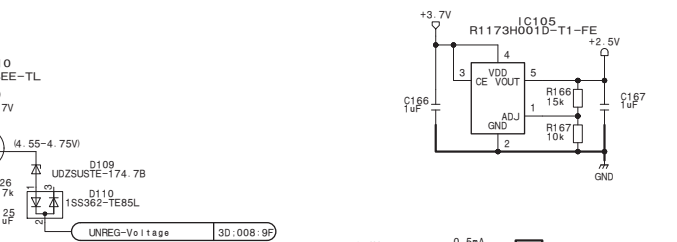
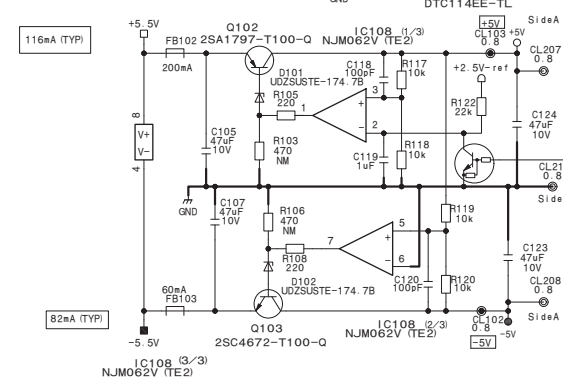
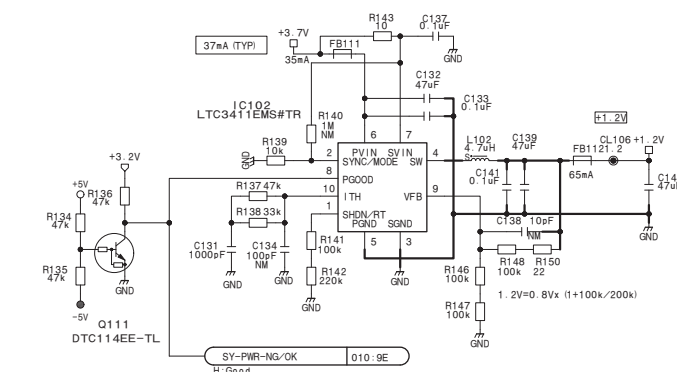
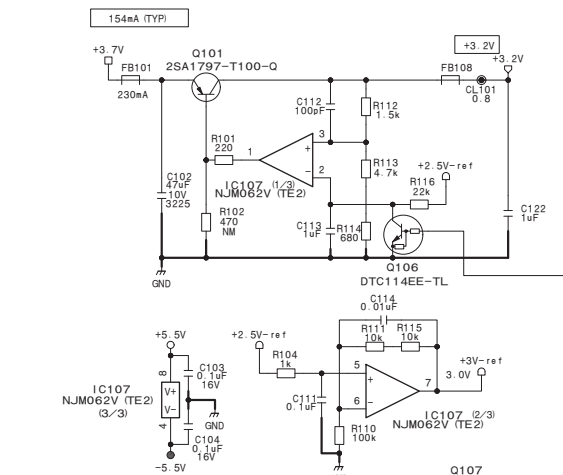
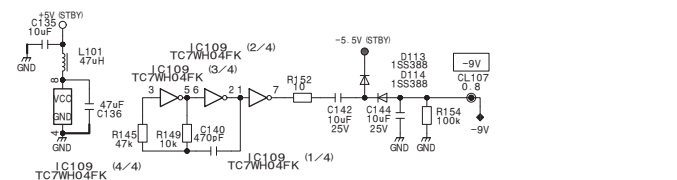
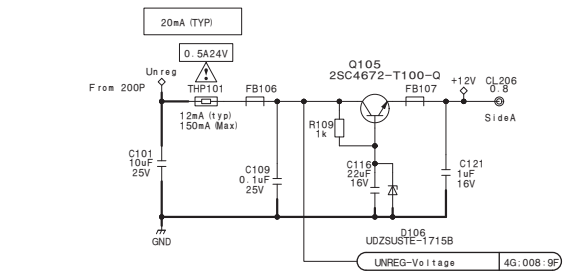
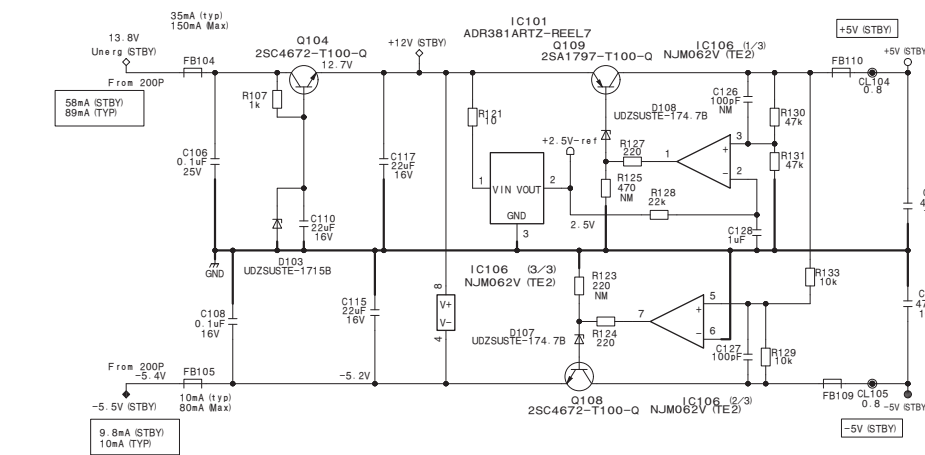
to Rear Panel



Connector  
**SY-408 (1/19)**  
BOARD NO. 1-885-936-12  
SY-408\_1

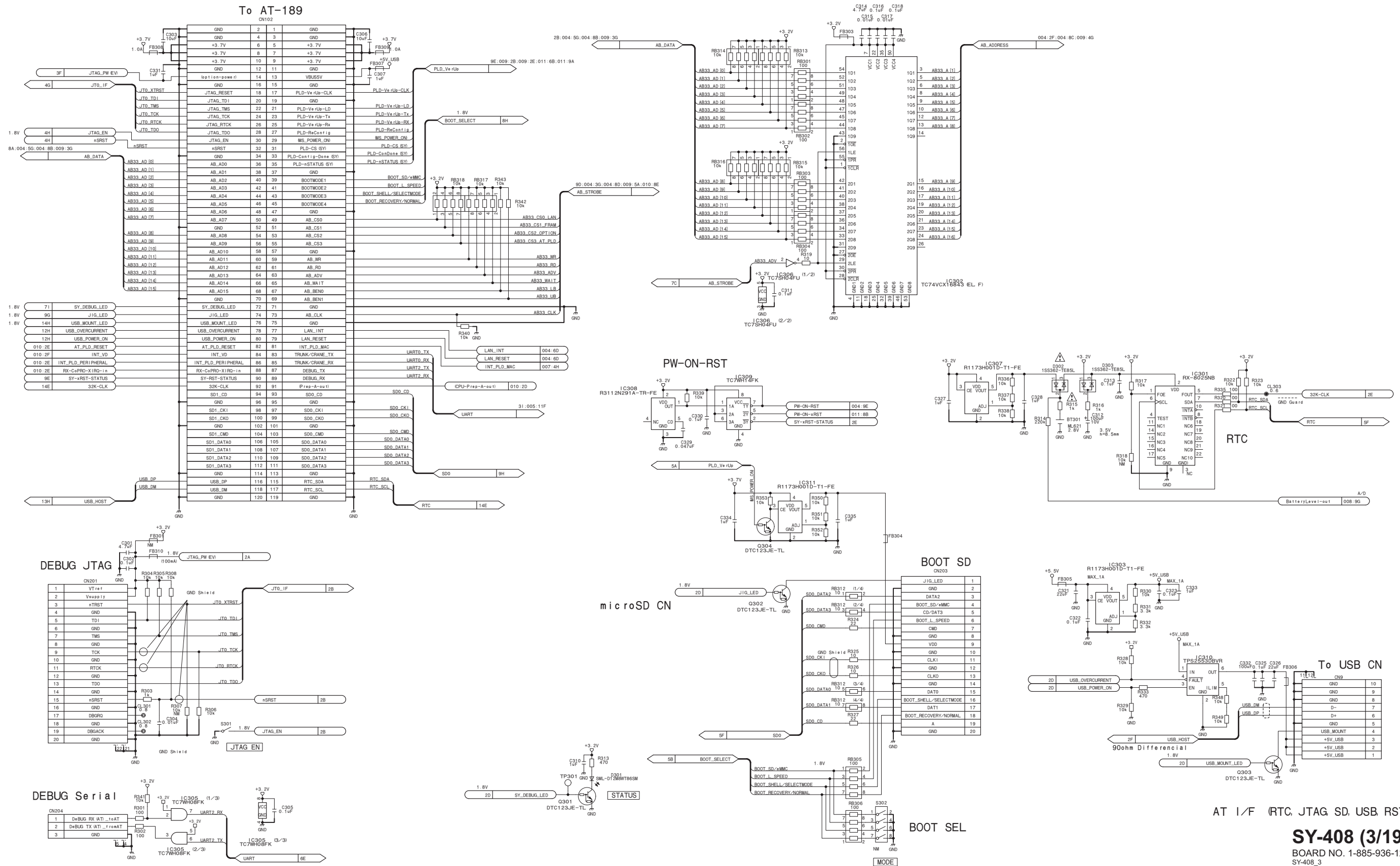


### Standby Power

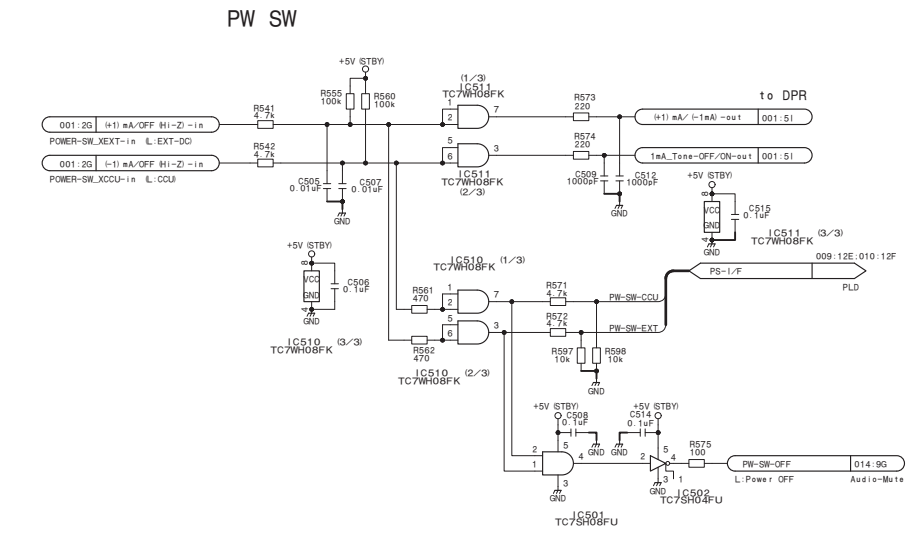
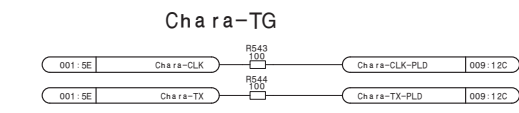
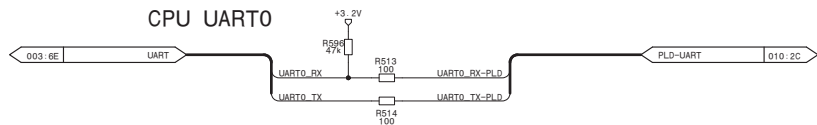
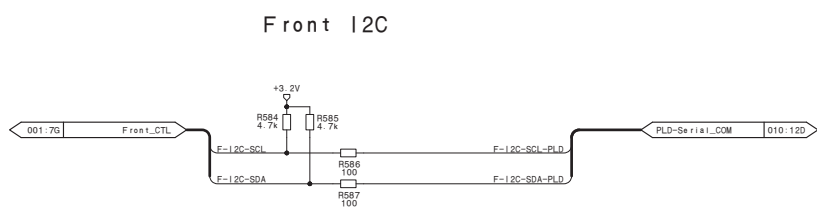
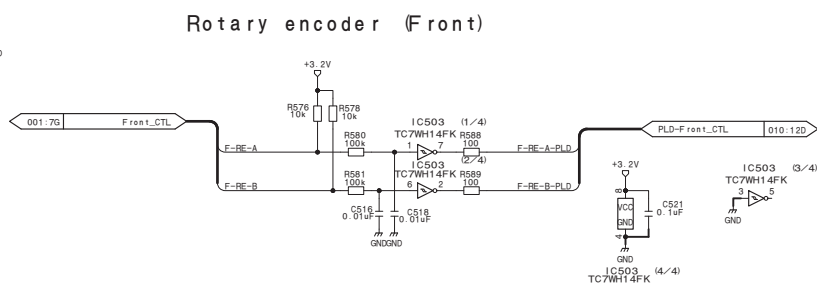
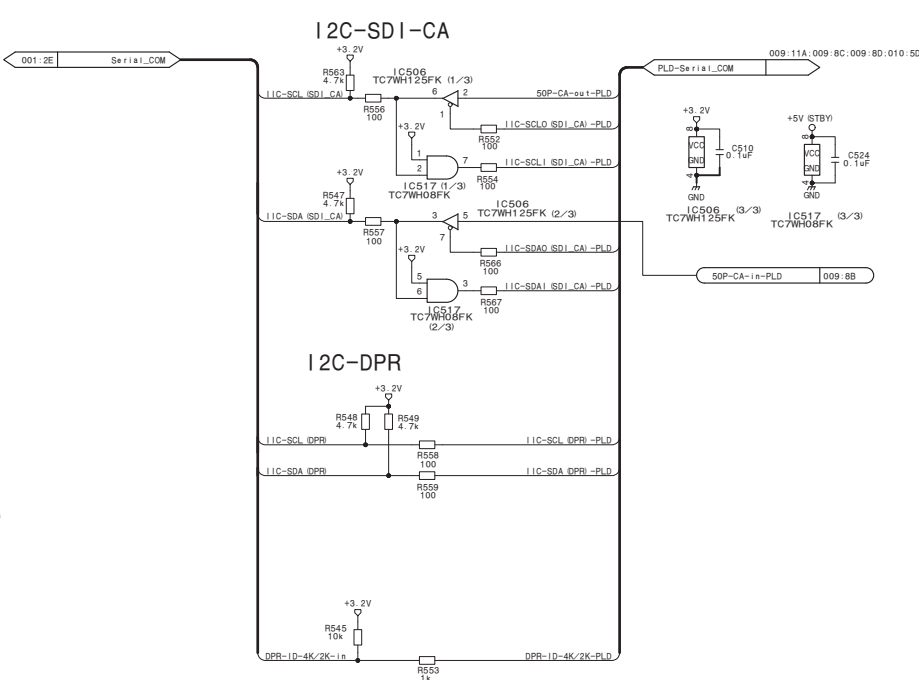
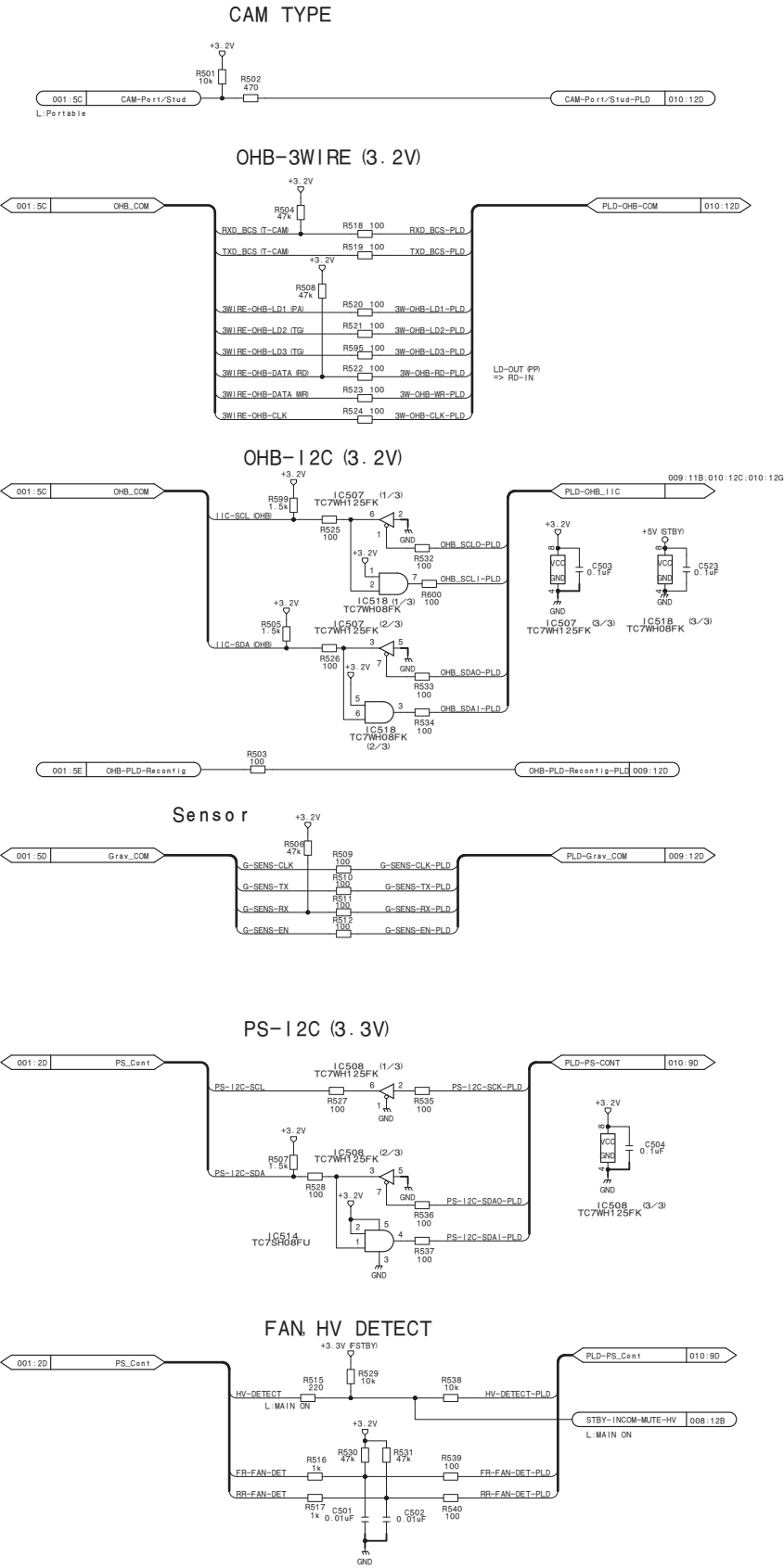


POWER

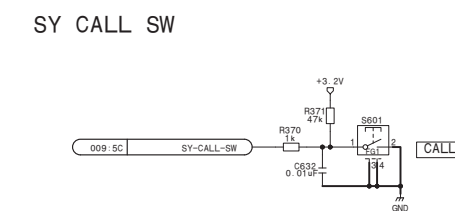
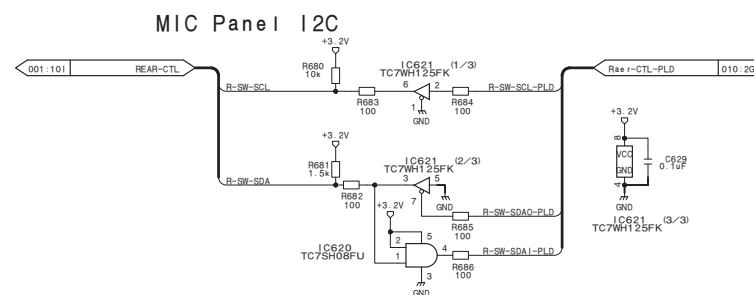
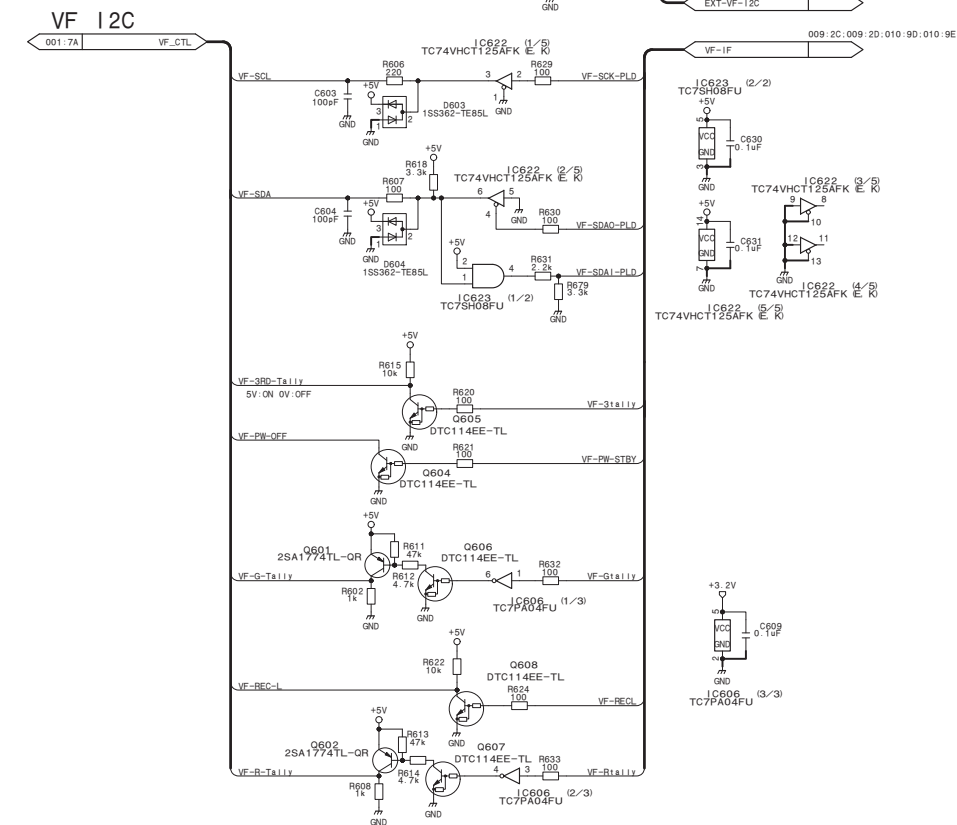
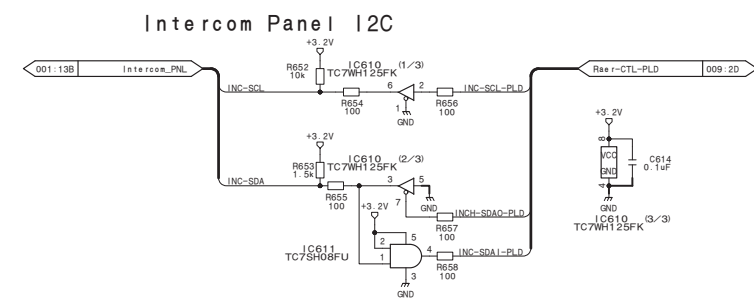
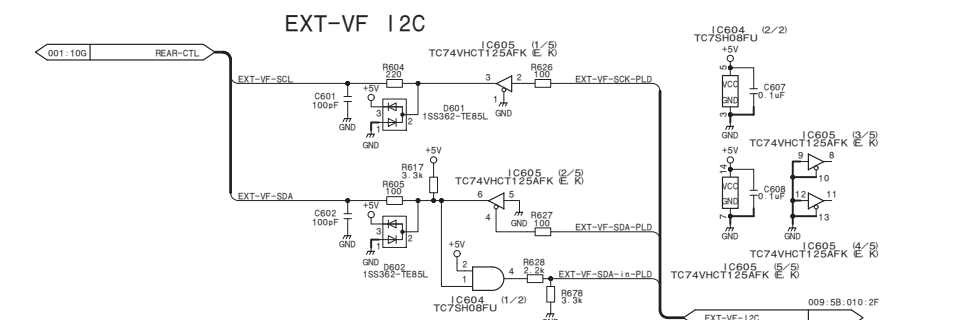
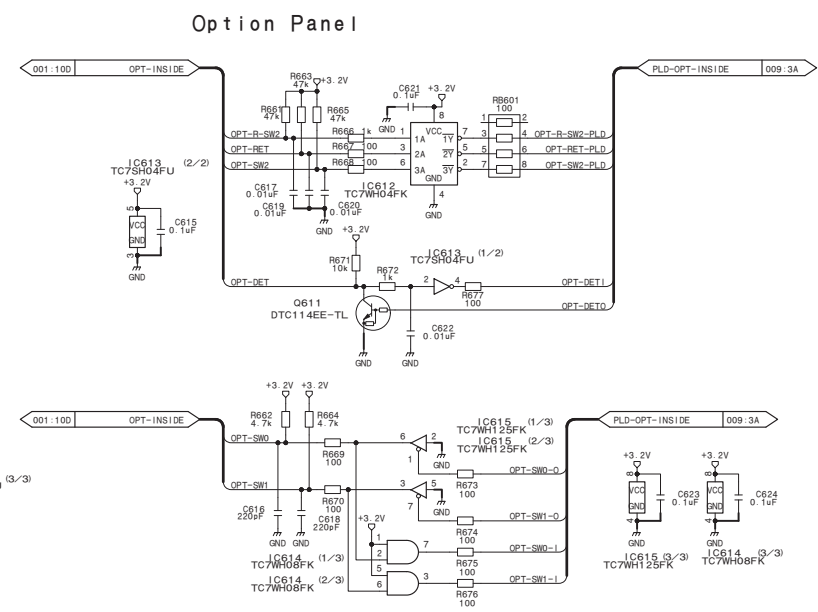
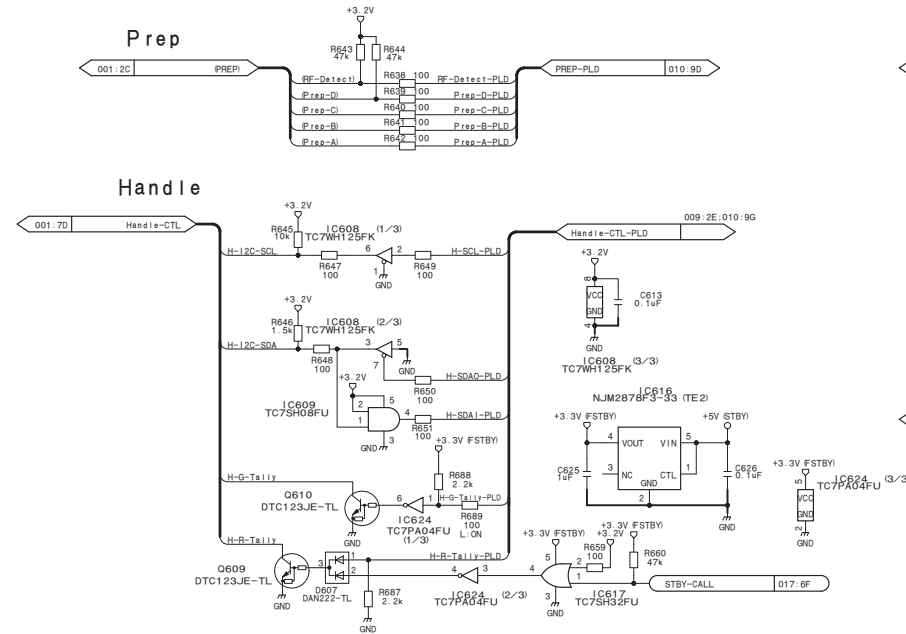
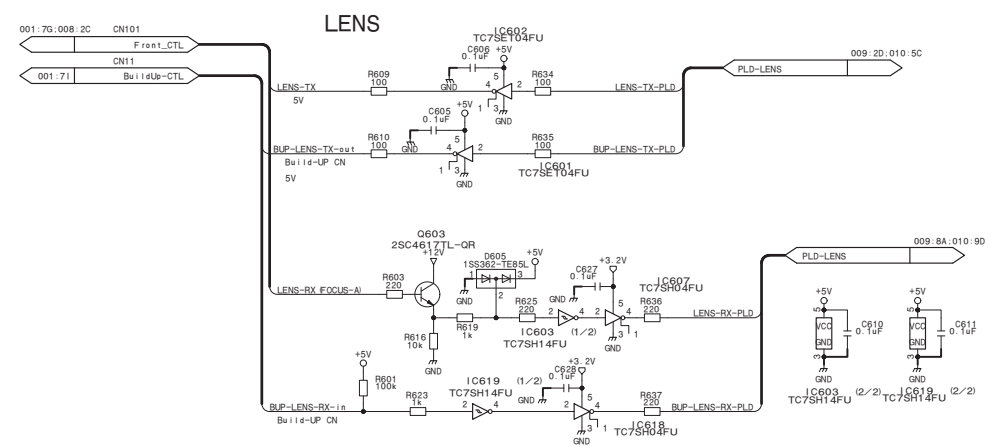
**SY-408 (2/19)**  
BOARD NO. 1-885-936-12  
SY-408\_2

**SY-408 (3/19)**

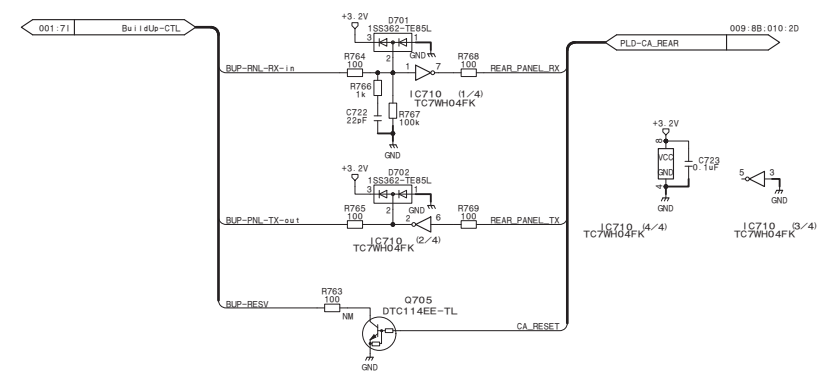
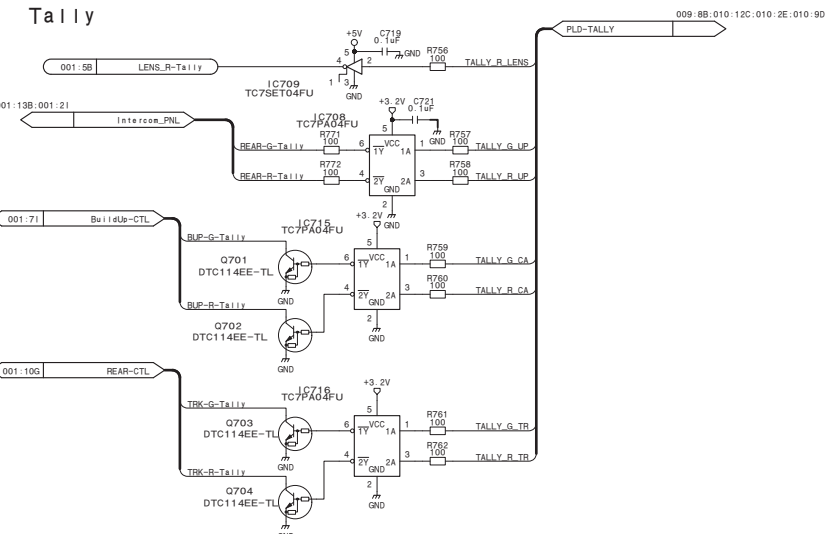
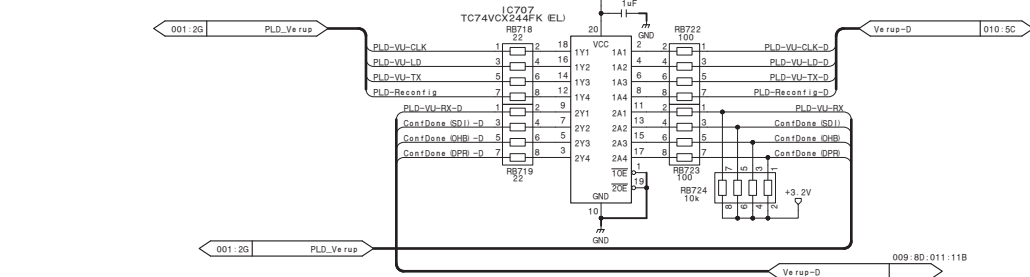
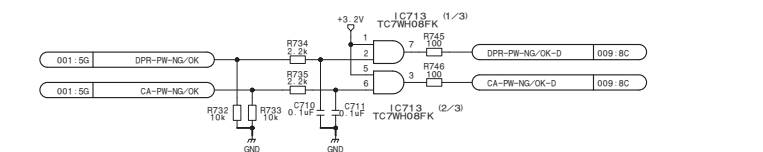
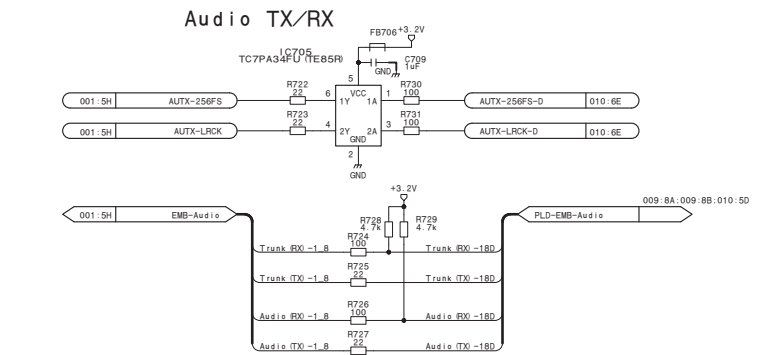




## SY-408 (6/19)

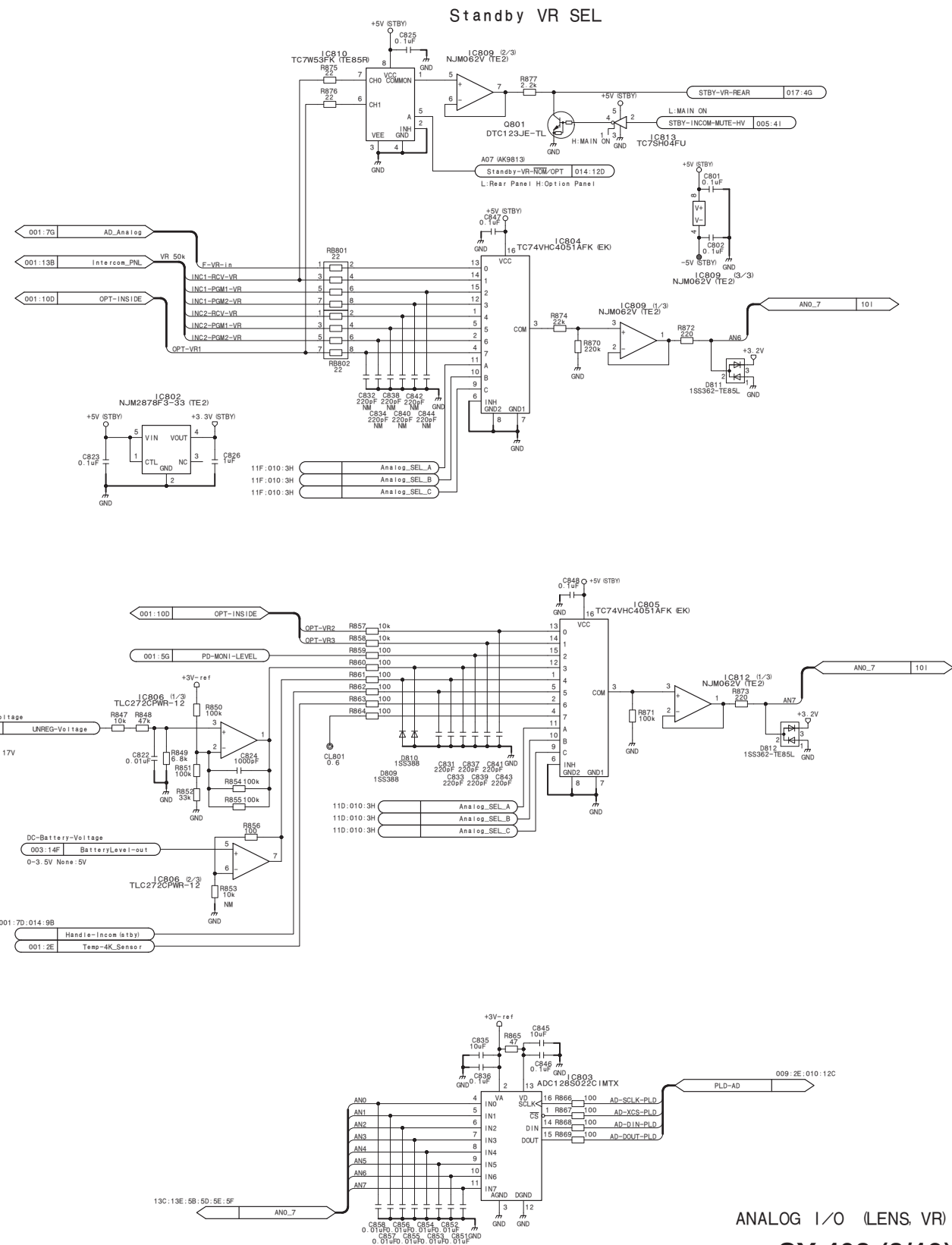
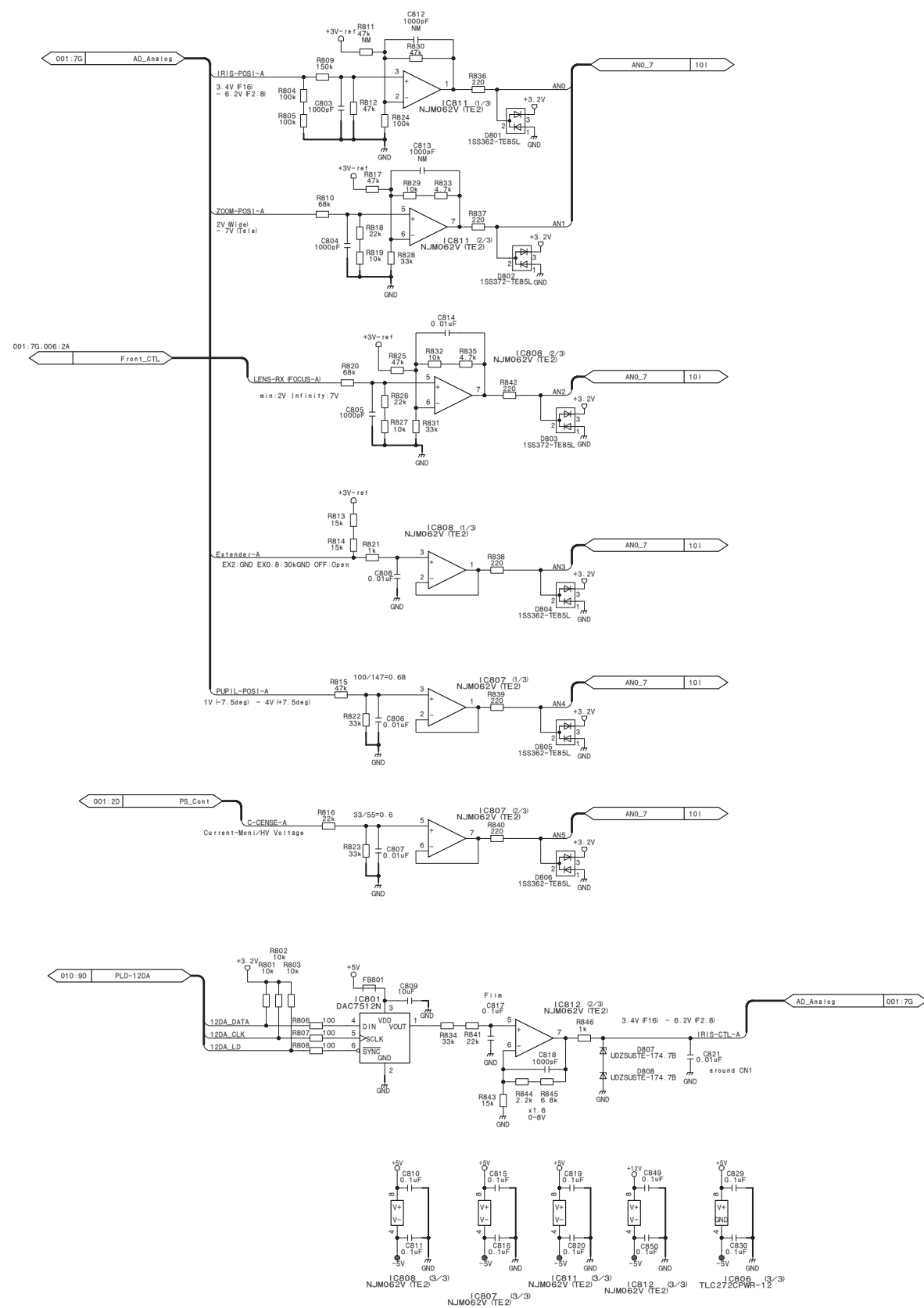


**SY-408 (6/19)**  
BOARD NO. 1-885-936-12  
SY-408\_6





## SY-408 (8/19)

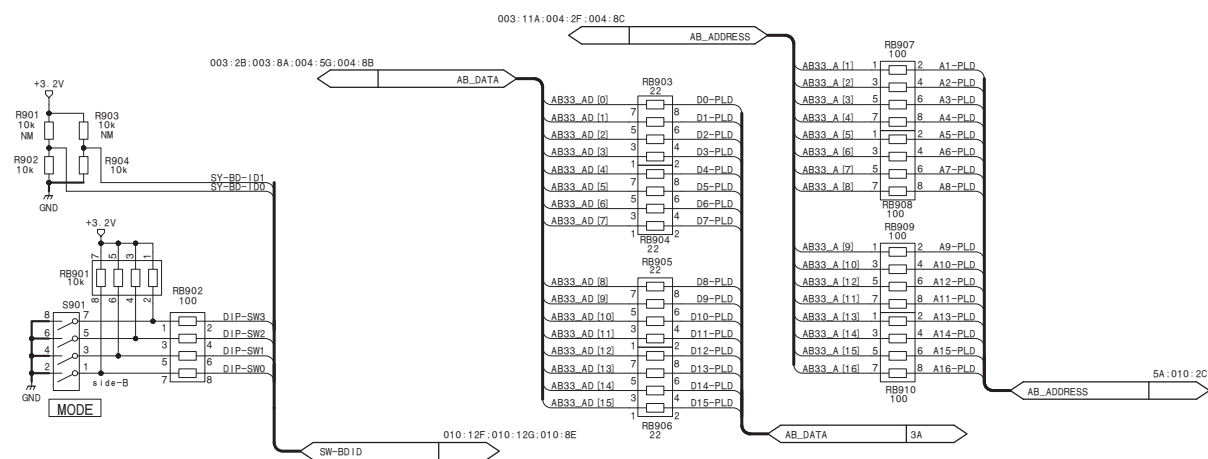
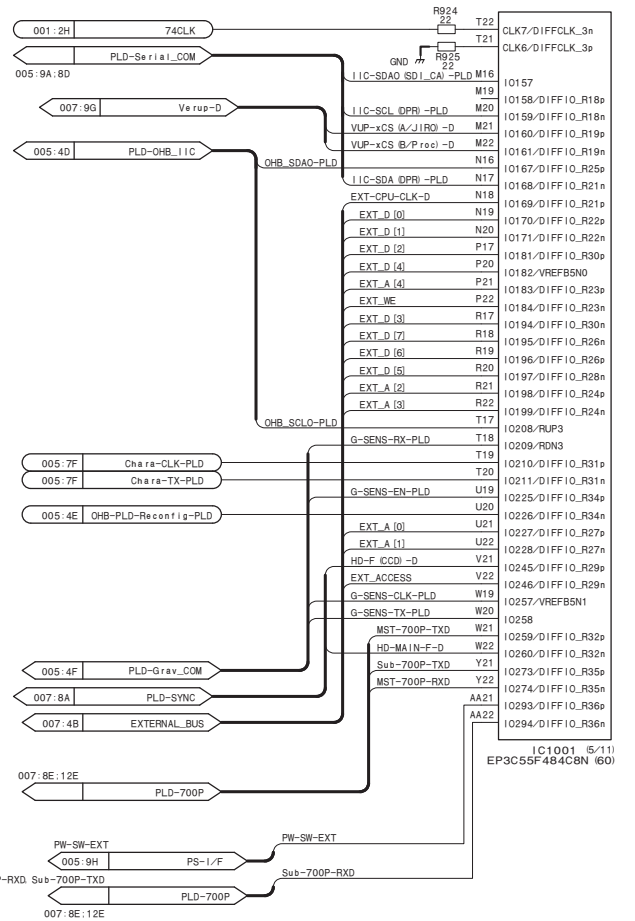
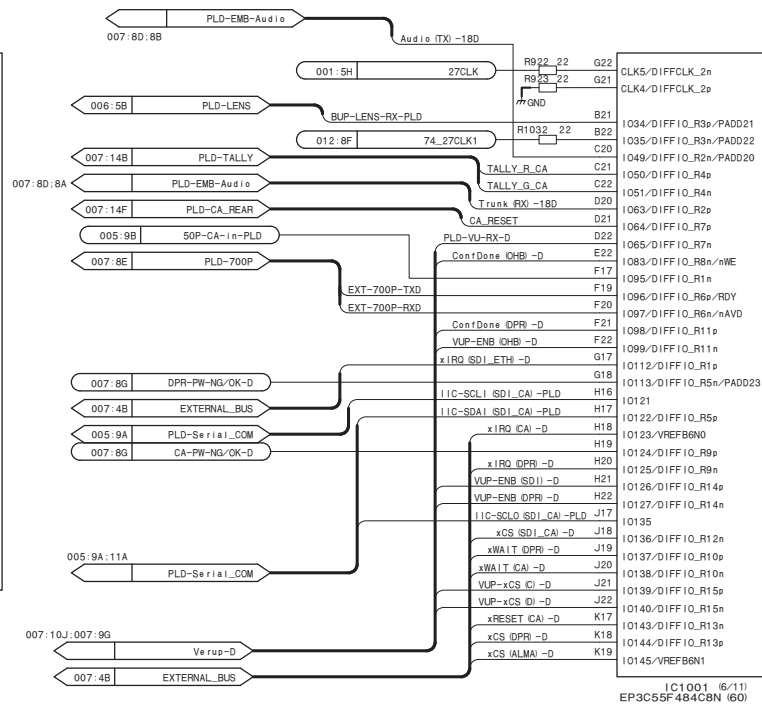
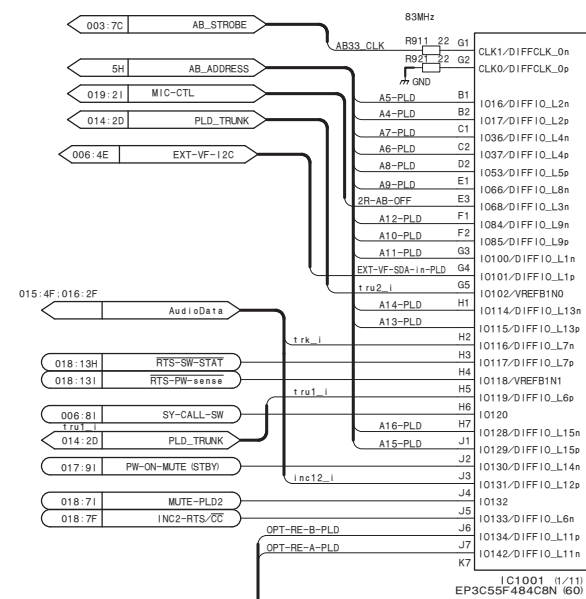
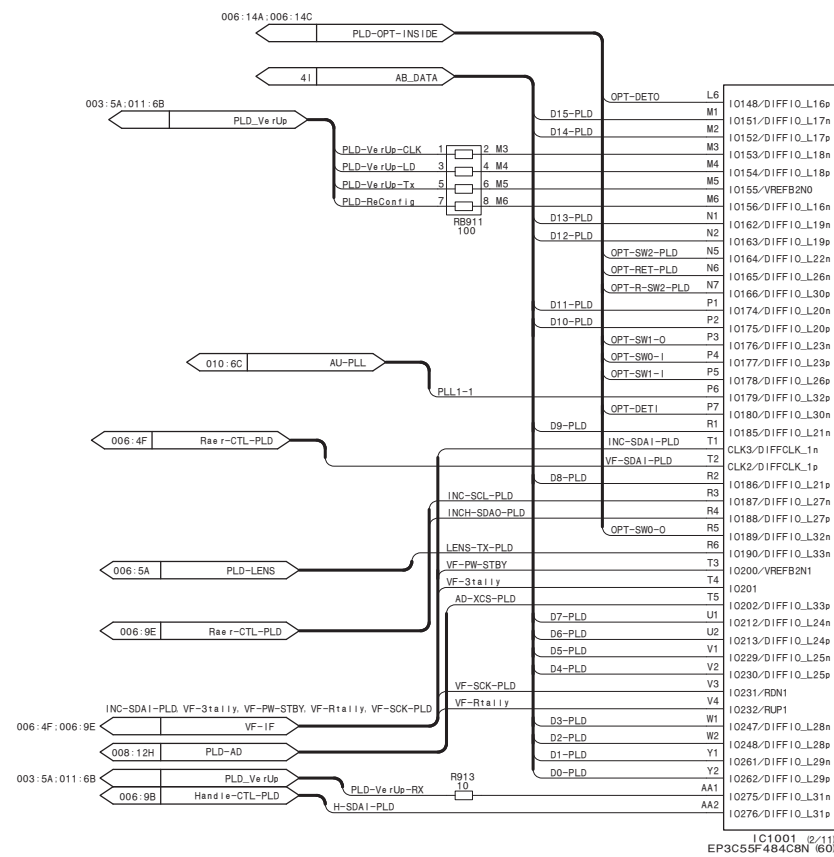


ANALOG I/O (LENS, VR)

**SY-408 (8/19)**

BOARD NO. 1-885-936-12  
SY-408\_8

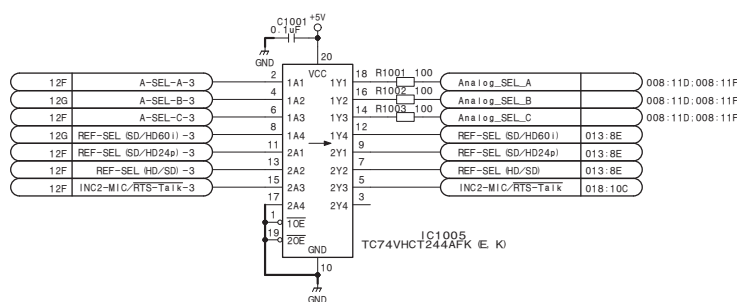
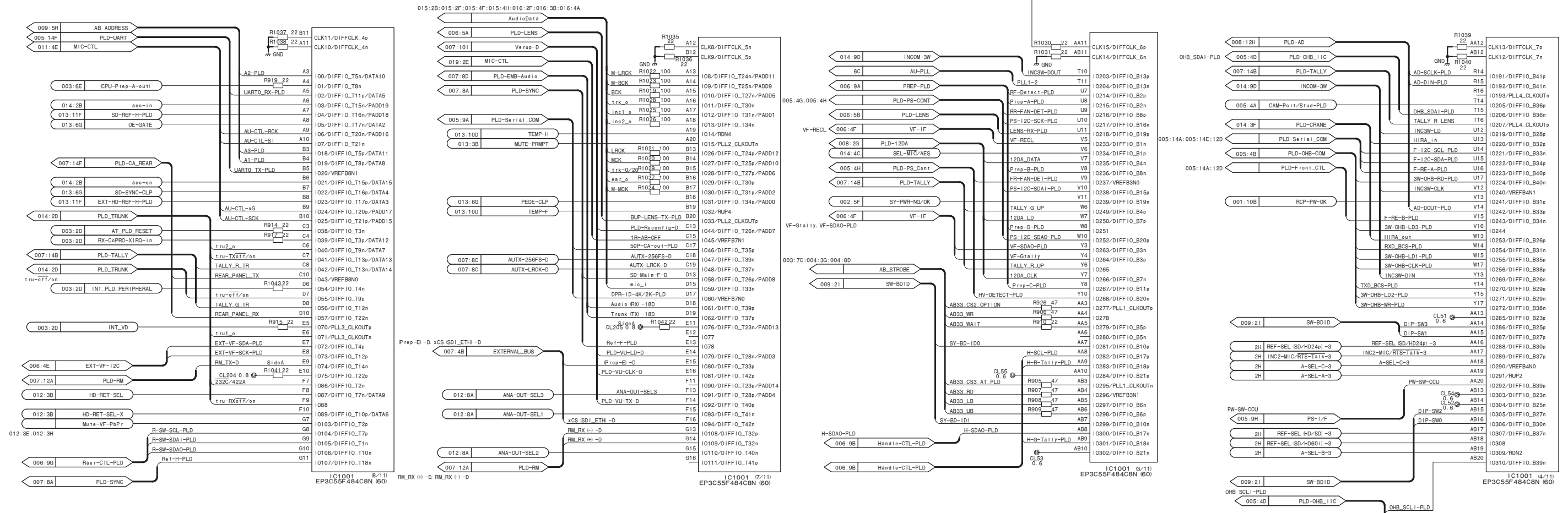
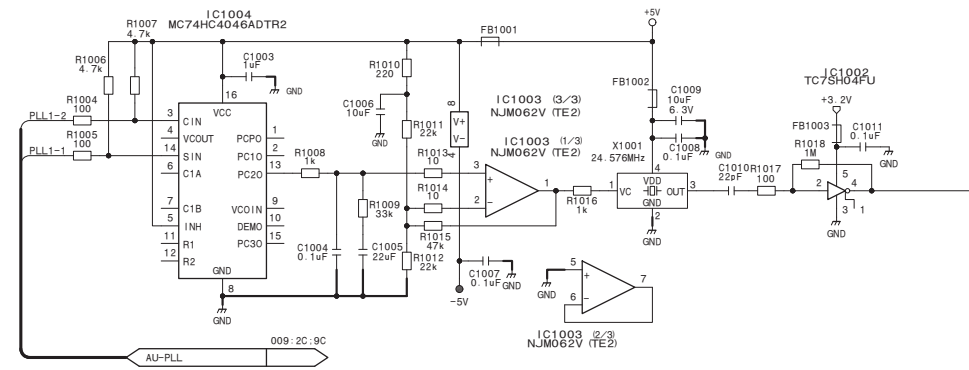
## SY-408 (9/19)



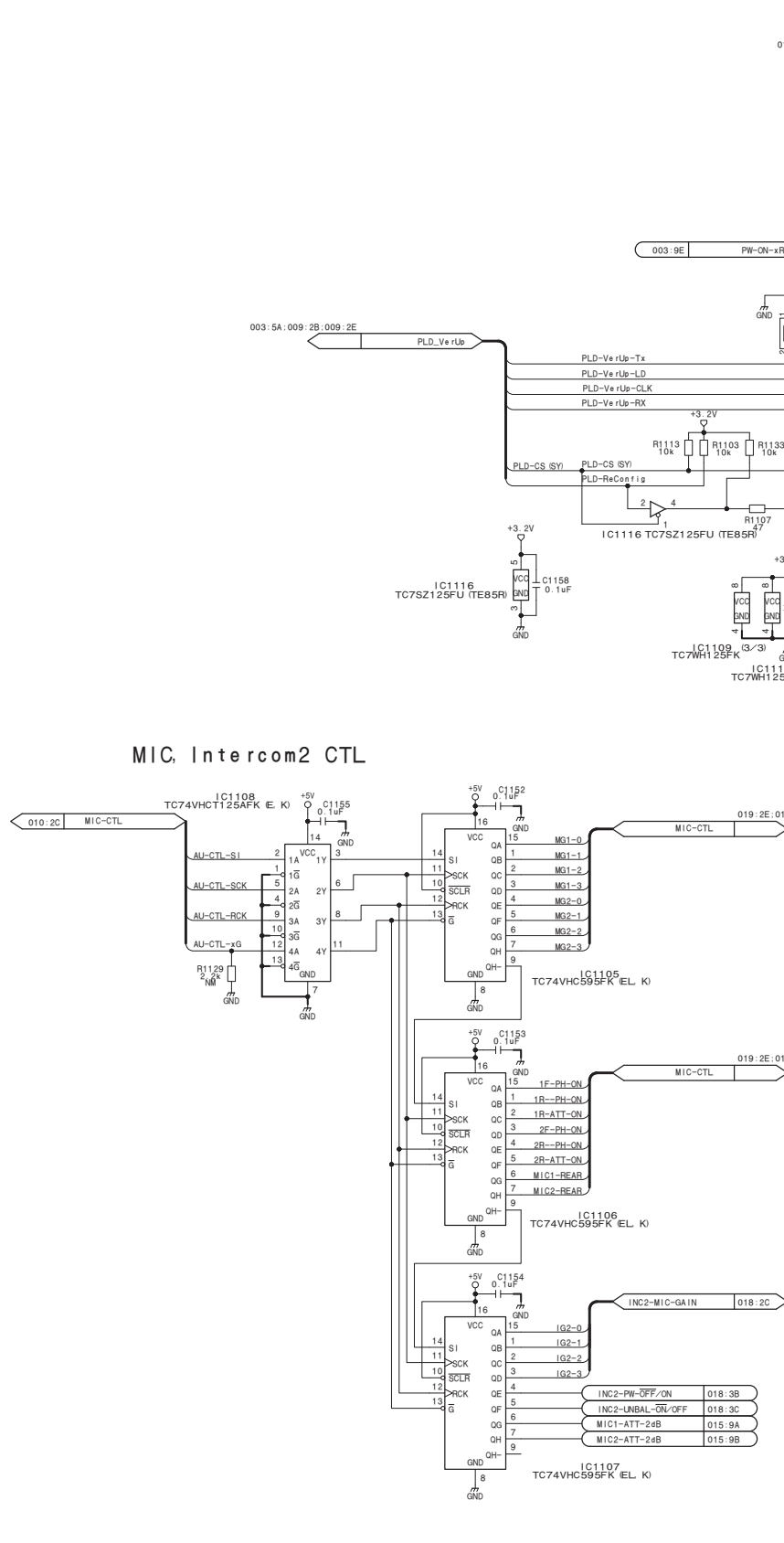
SY-PLD-1

**SY-408 (9/19)**  
BOARD NO. 1-885-936-12  
SY-408\_9





## HDC1700

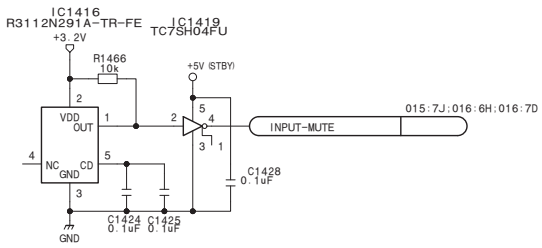
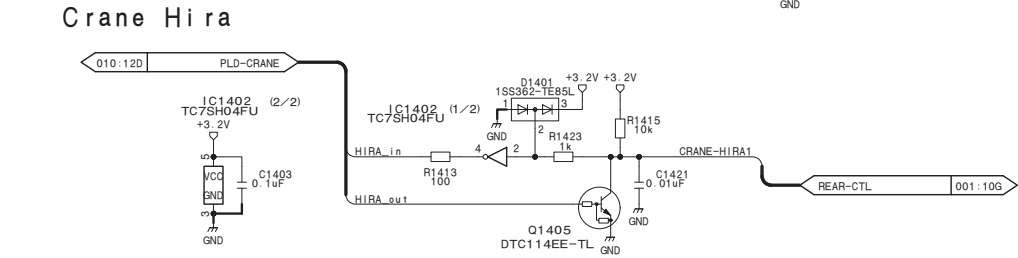
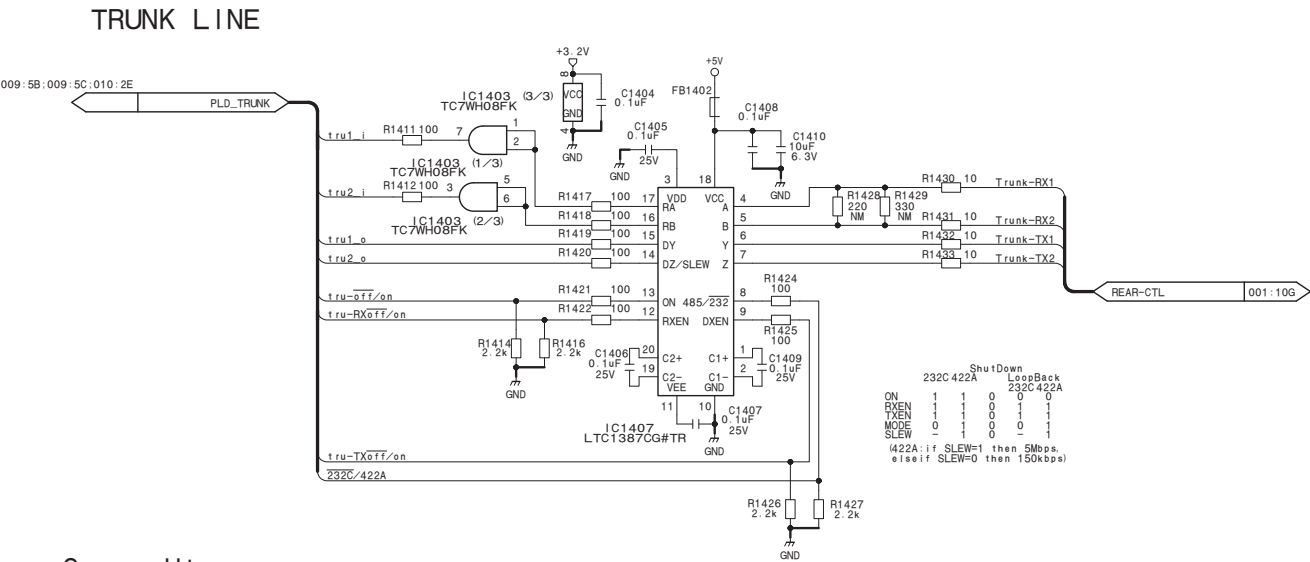
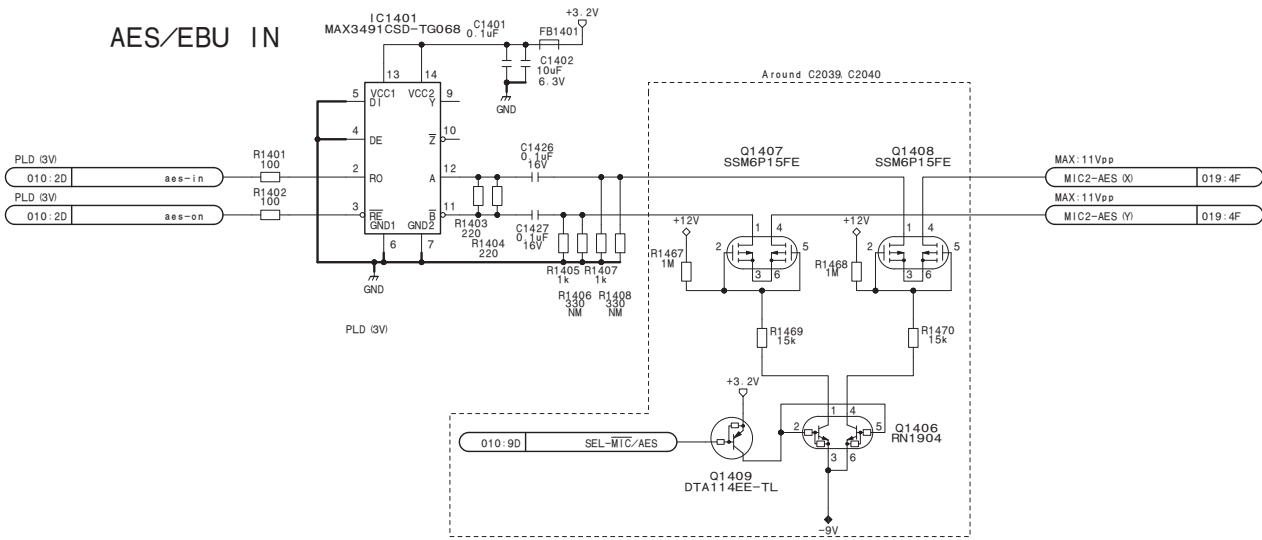


001 : 2J : 001 : 5J

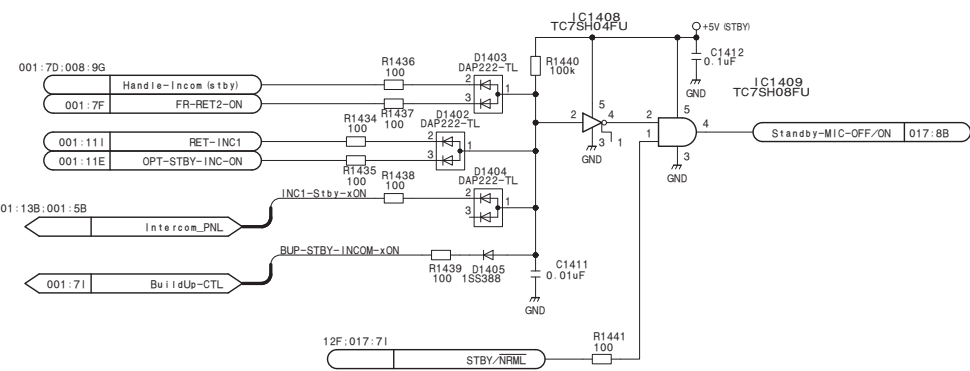


BOARD NO. 1-885-936-12  
SY-408\_12

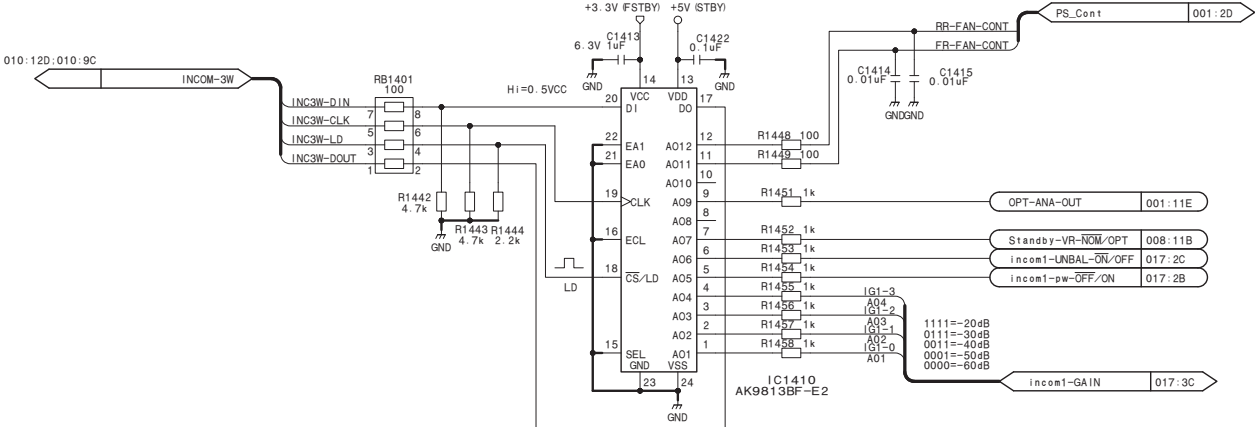




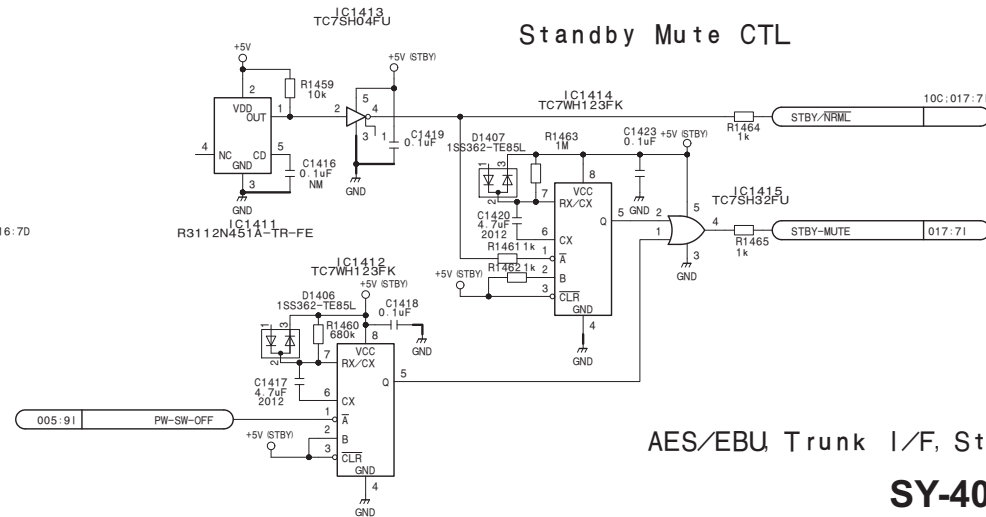
Standby Intercom MIC CTL



D/A (Standby)

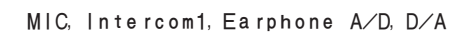


Standby Mute CTL



AES/EBU Trunk I/F, Standby CTL

**SY-408 (14/19)**  
BOARD NO. 1-885-936-12  
SY-408\_14



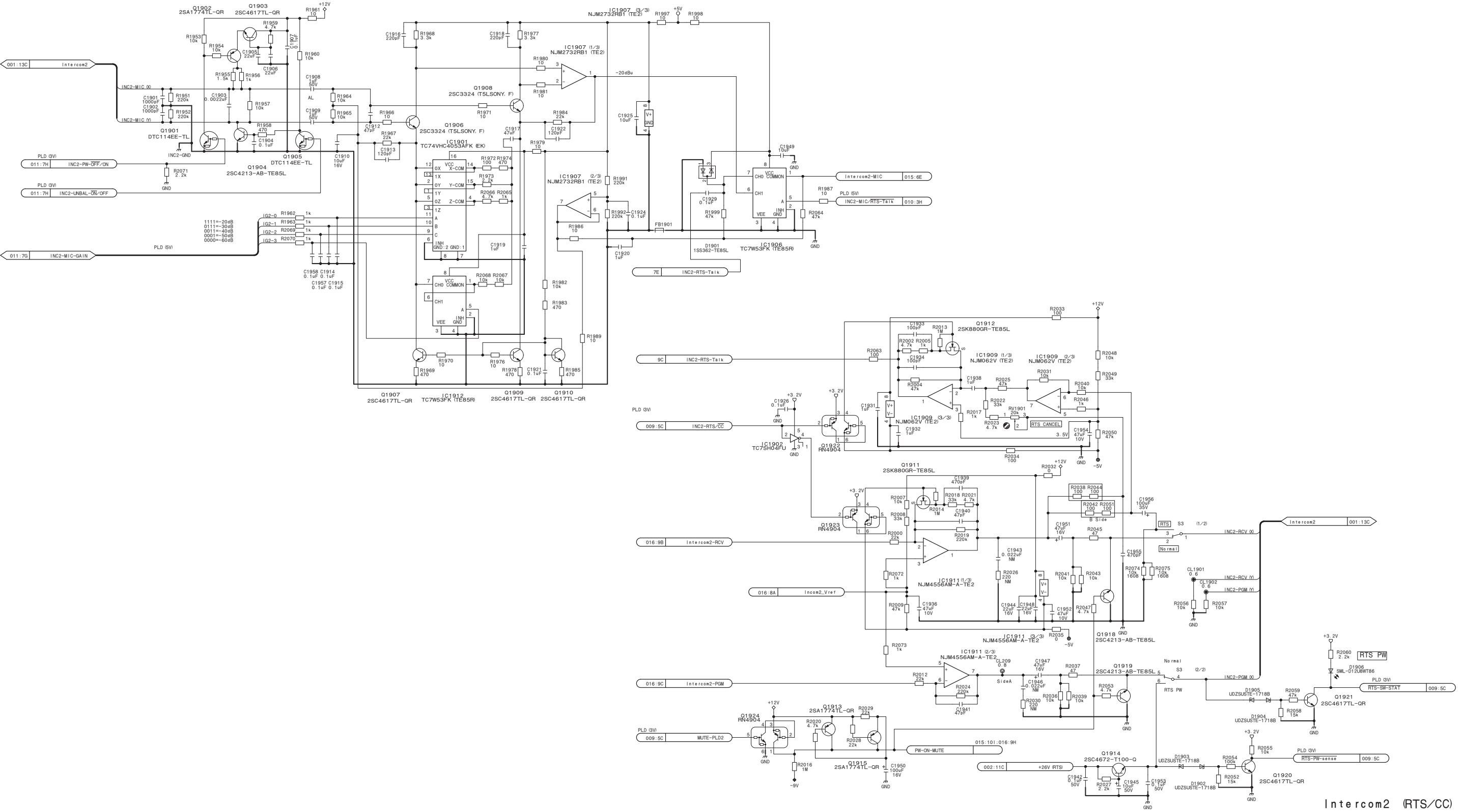
8-78



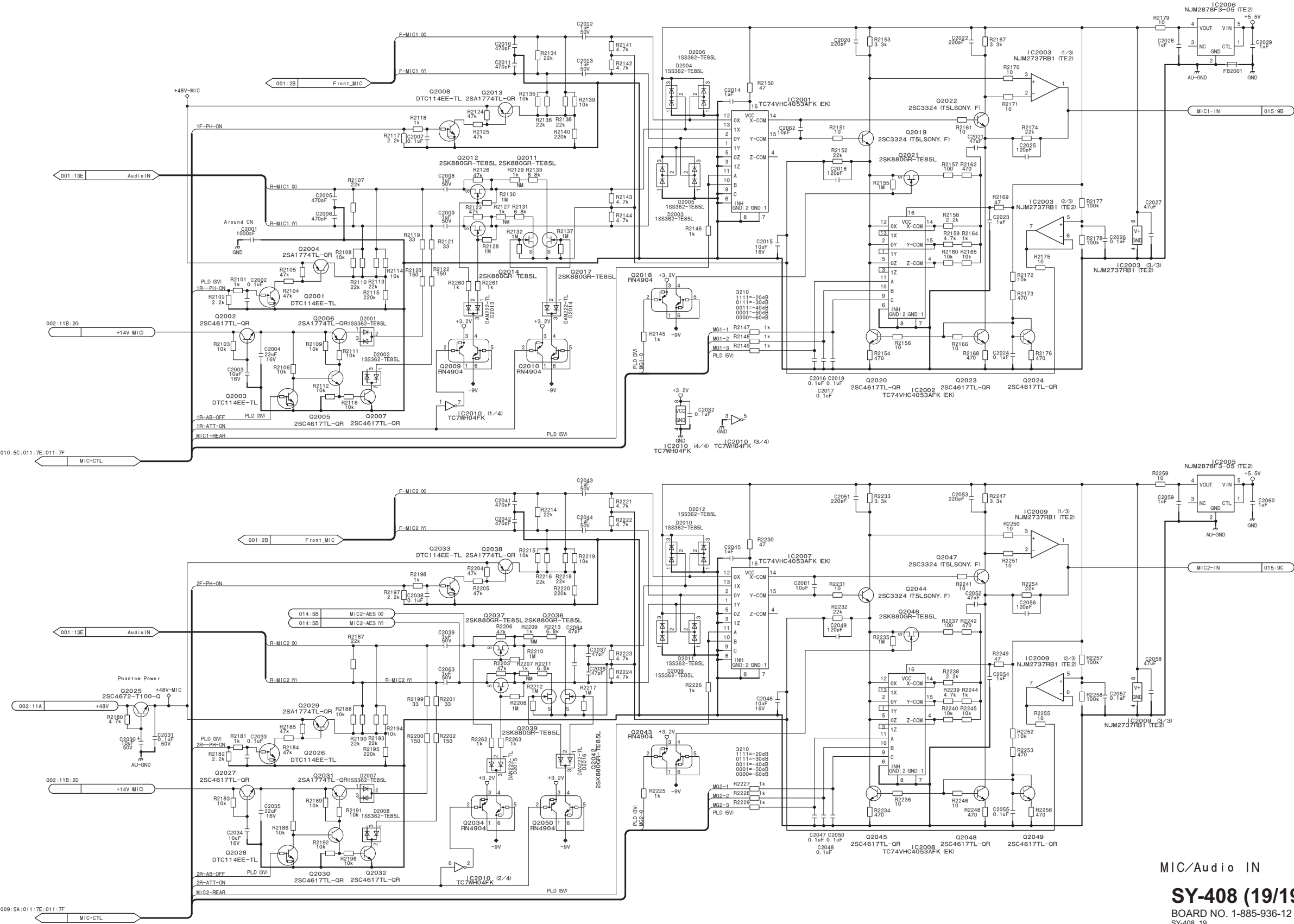








Intercom2 (RTS/CO)  
**SY-408 (18/19)**  
BOARD NO. 1-885-936-12  
SY-408\_18

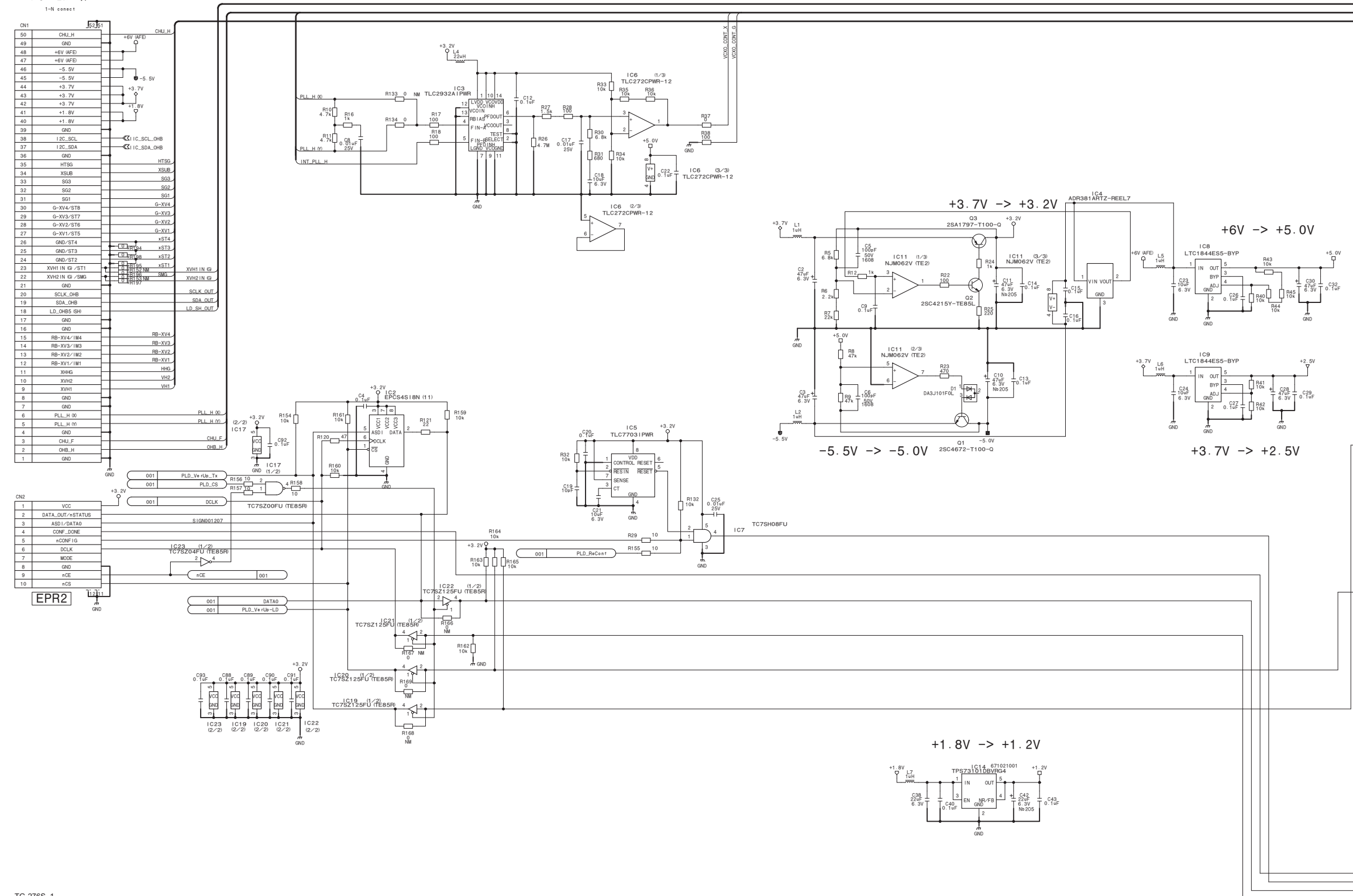


MIC/Audio IN  
**SY-408 (19/19)**  
BOARD NO. 1-885-936-12  
SY-408\_19

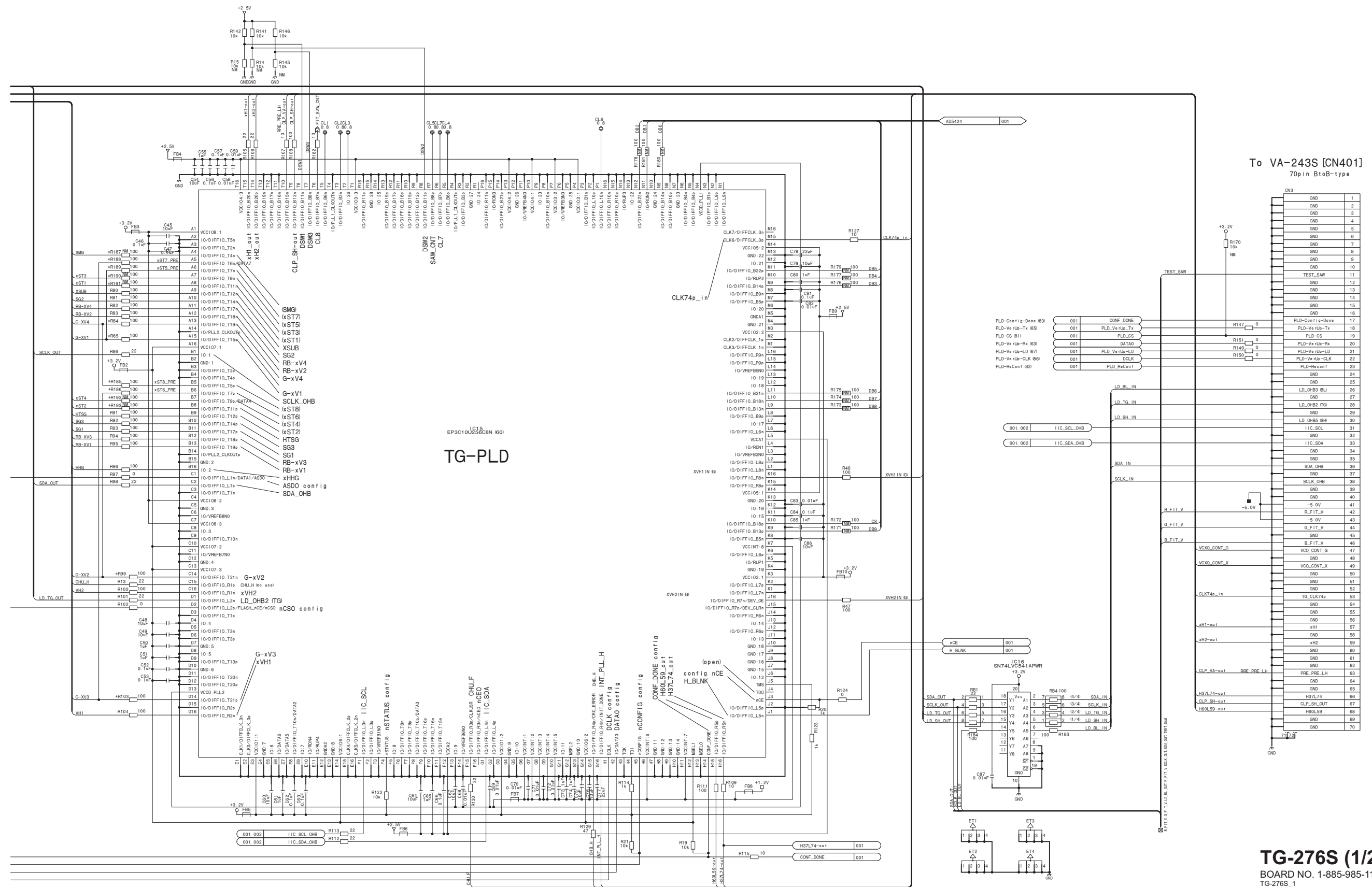
TG-276S  
TG-276S (1/2)\_L

To DR-657S [CN1]

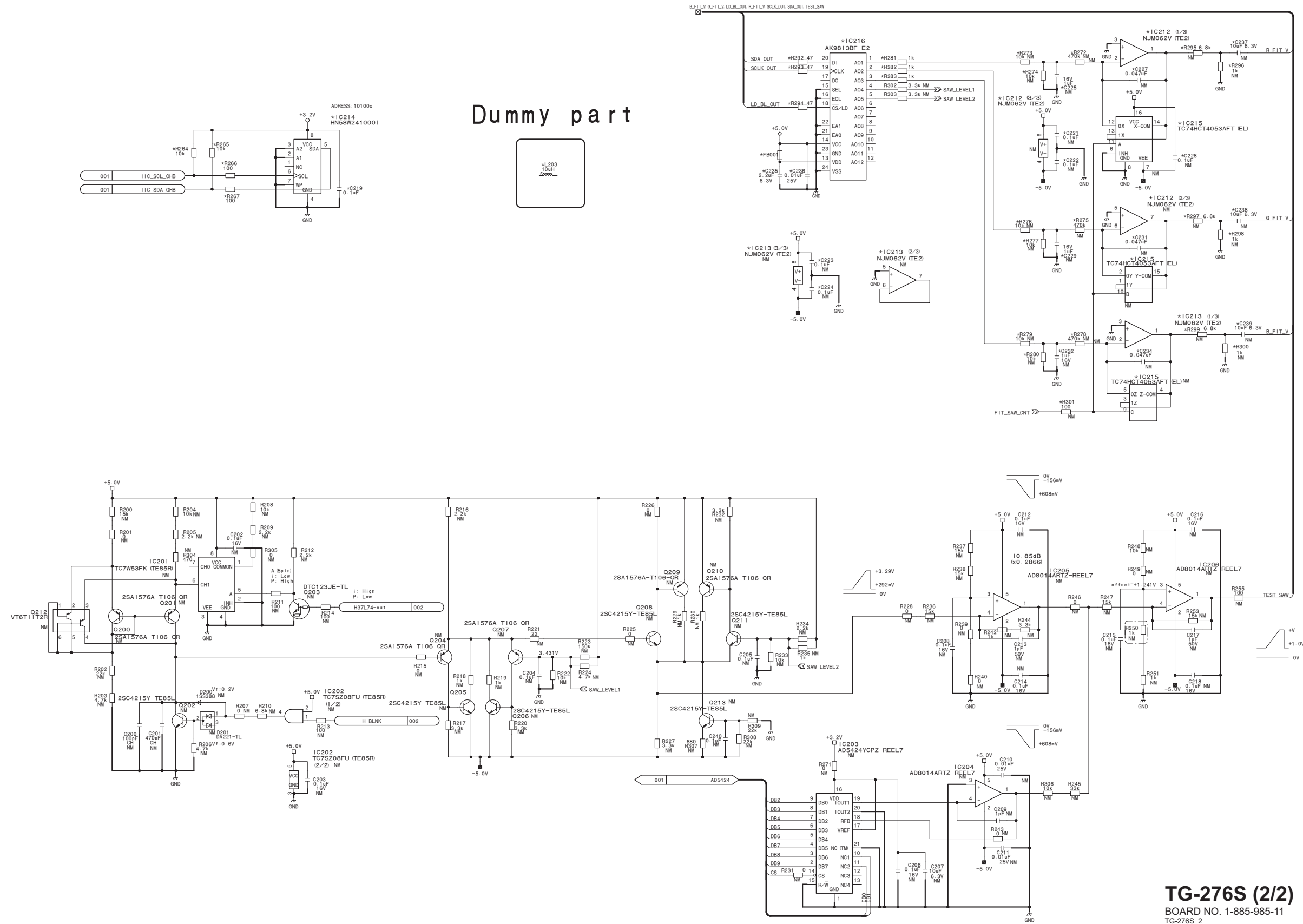
0.5mm ZIF-type  
1-N conect



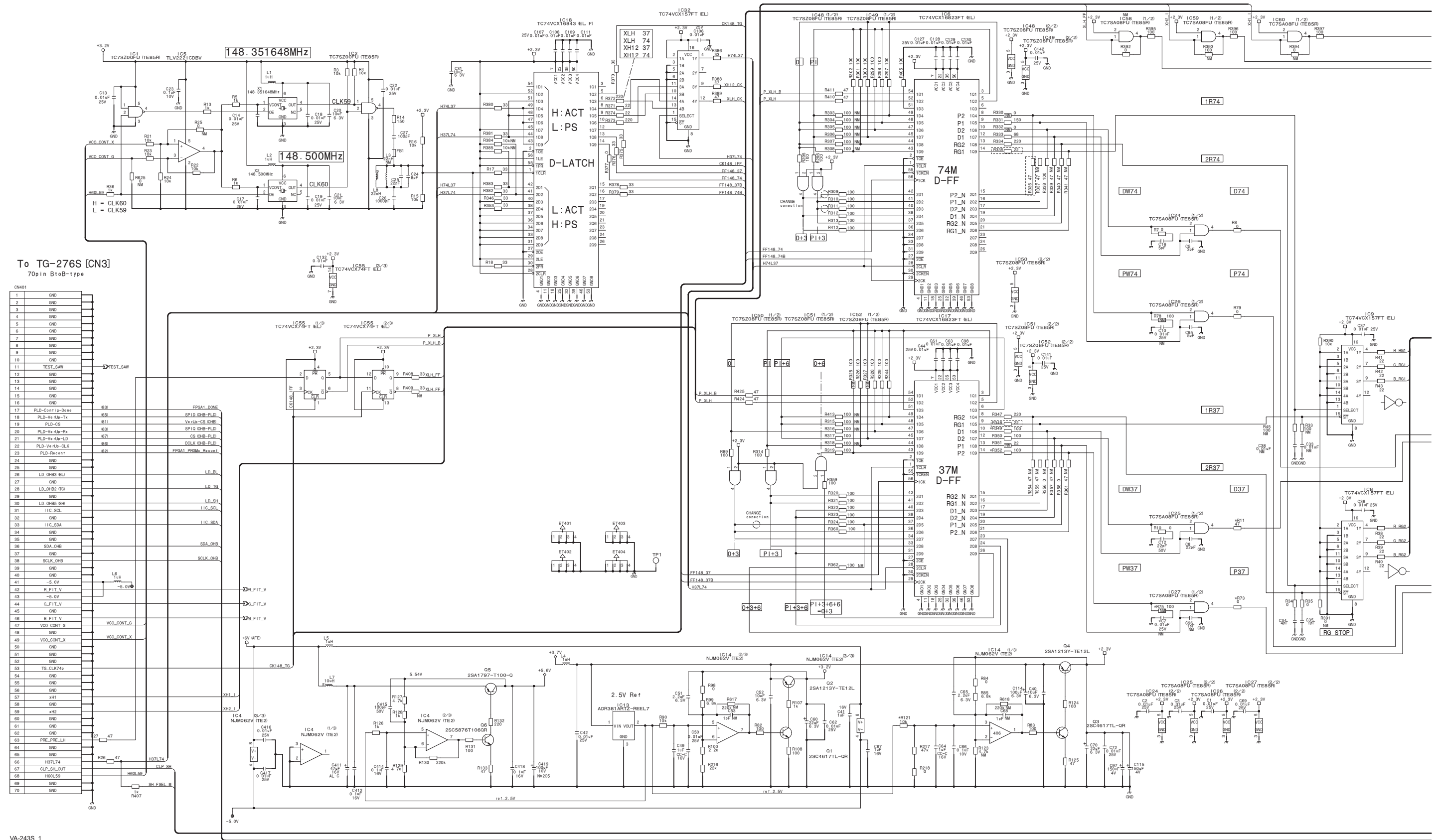
**TG-276S (1/2)\_R**



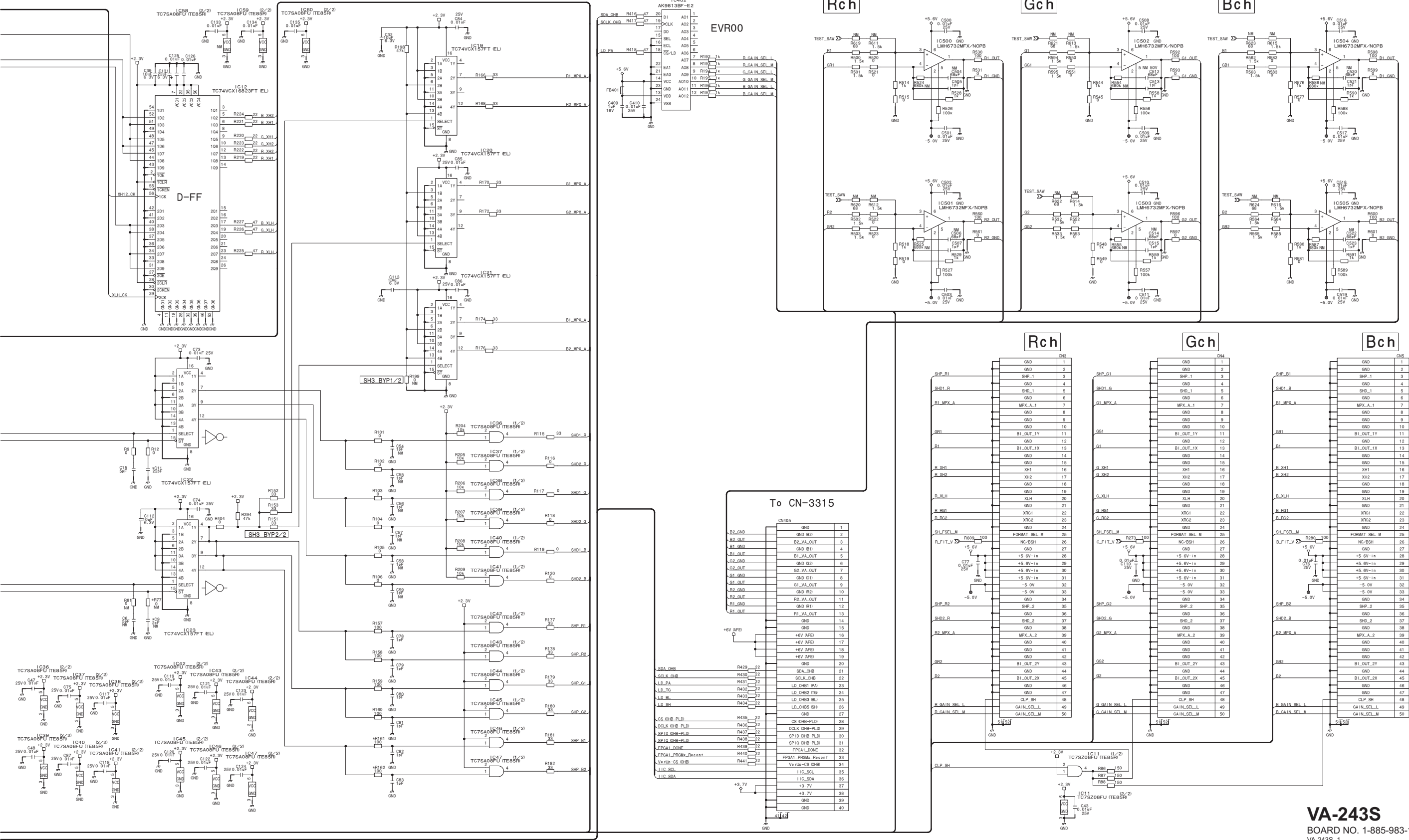
**TG-276S (2/2)**



VA-243S  
VA-243S\_L

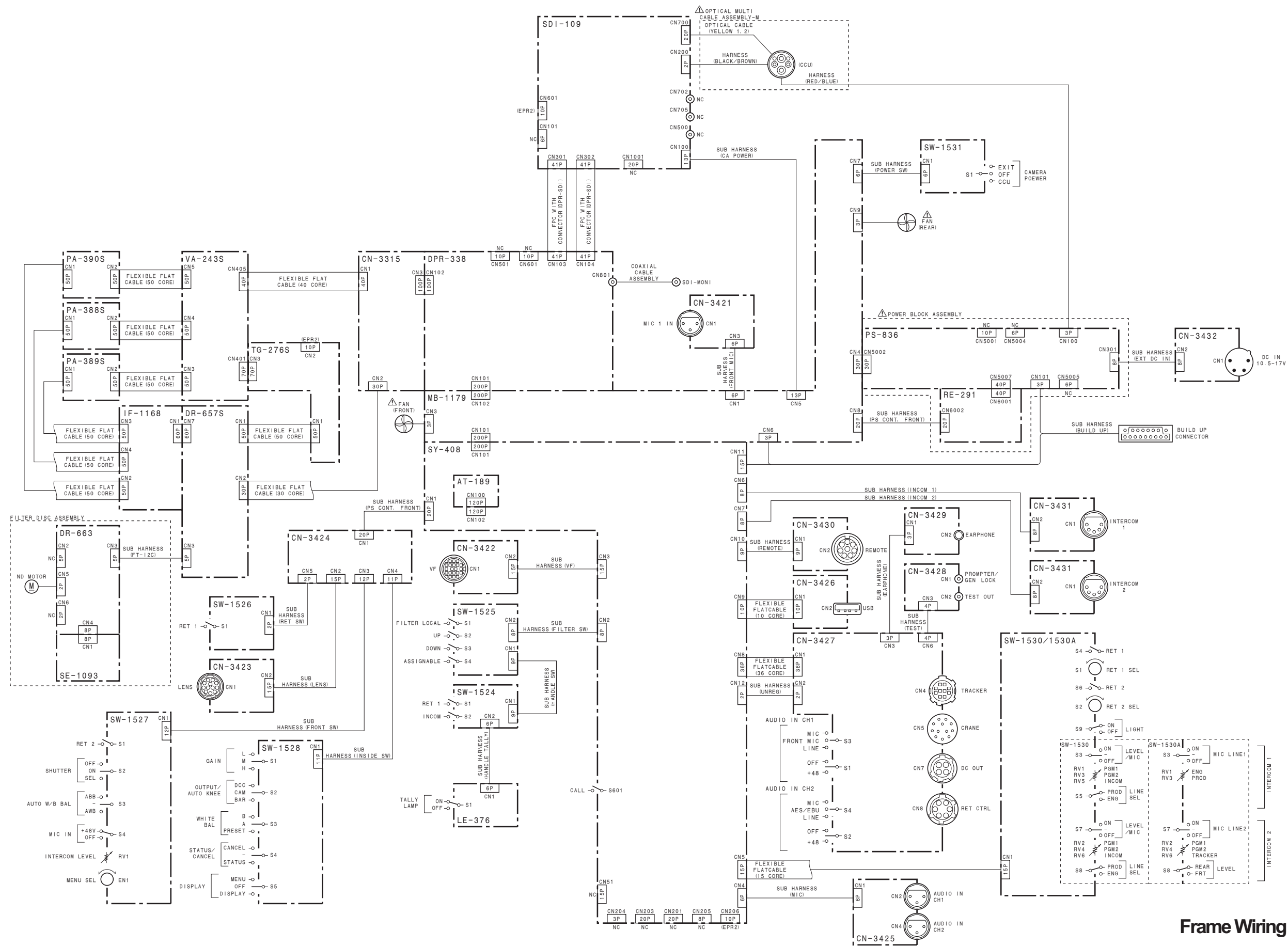






VA-243S  
BOARD NO. 1-885-983-11  
VA-243S\_1

## Frame Wiring



## Frame Wiring

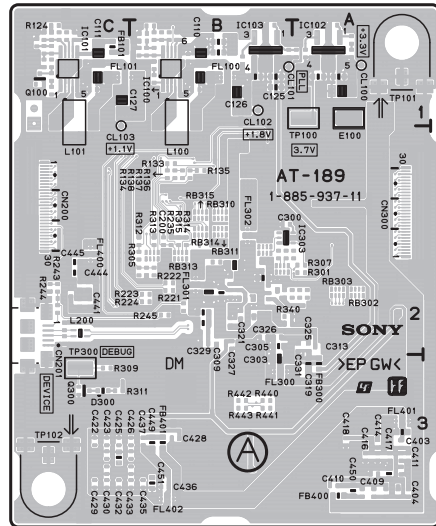


## Section 9

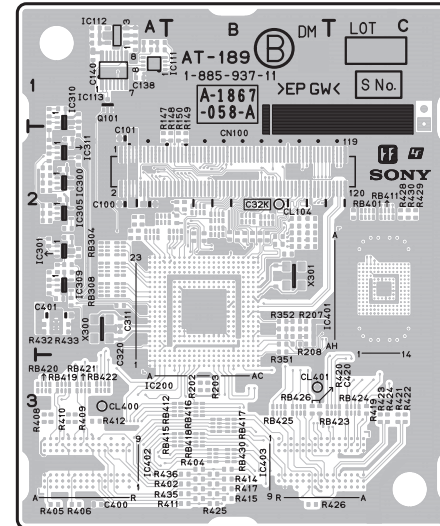
### Board Layouts

**AT-189**

The location is described at the end in this section.



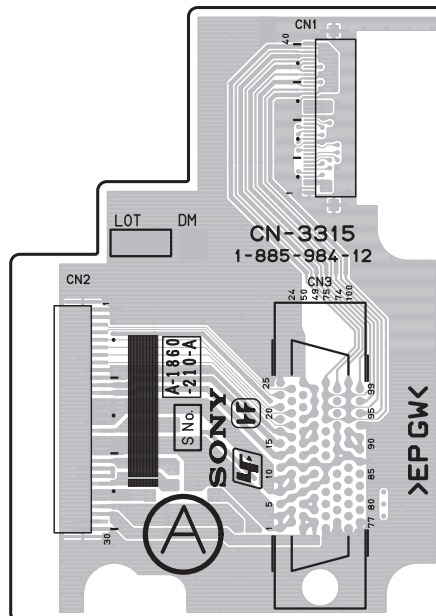
**AT-189** -A SIDE-SUFFIX: -11



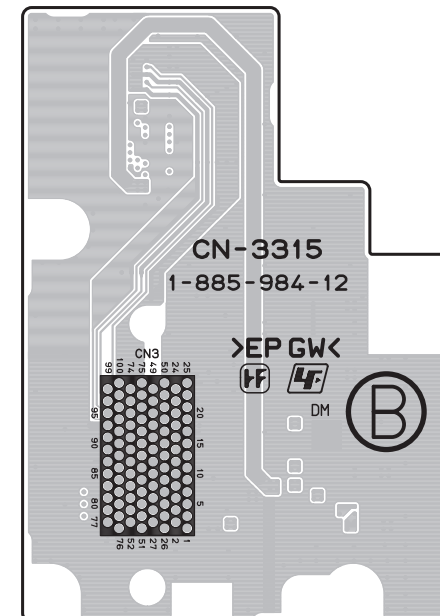
**AT-189** -B SIDE-SUFFIX: -11

**CN-3315**

The location is described at the end in this section.



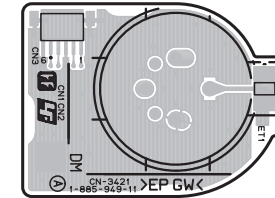
**CN-3315** -A SIDE-SUFFIX: -12



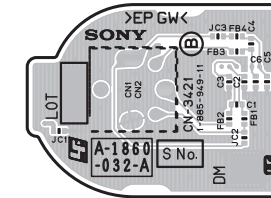
**CN-3315** -B SIDE-  
SUFFIX: -12

**CN-3421**

The location is described at the end in this section.



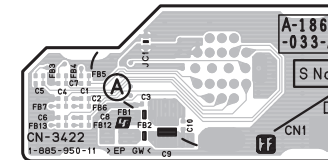
**CN-3421** -A SIDE-SUFFIX: -11



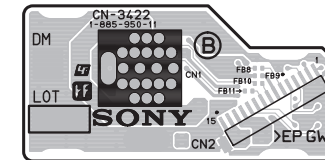
**CN-3421** -B SIDE-  
SUFFIX: -11

**CN-3422**

The location is described at the end in this section.



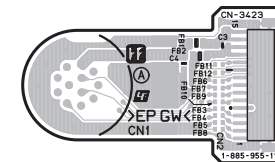
**CN-3422** -A SIDE-SUFFIX: -11



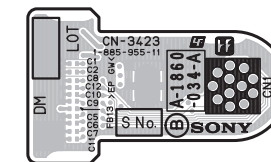
**CN-3422** -B SIDE-  
SUFFIX: -11

**CN-3423**

The location is described at the end in this section.



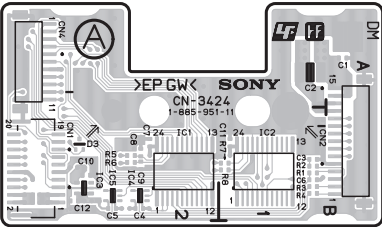
**CN-3423** -A SIDE-SUFFIX: -11



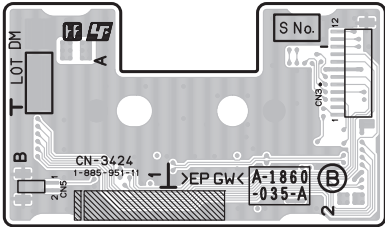
**CN-3423** -B SIDE-  
SUFFIX: -11

CN-3424

The location is described at the end in this section.



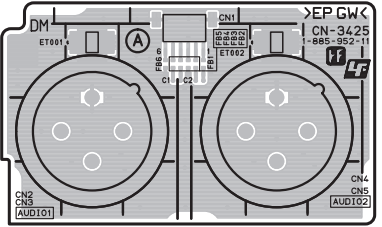
CN-3424 -A SIDE-  
SUFFIX: -11



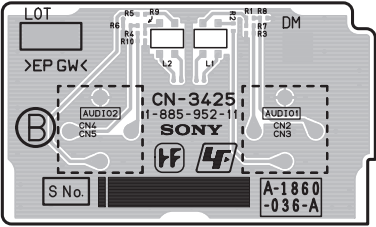
CN-3424 -B SIDE-  
SUFFIX: -11

CN-3425

The location is described at the end in this section.



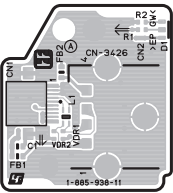
CN-3425 -A SIDE-  
SUFFIX: -11



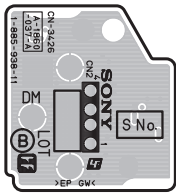
CN-3425 -B SIDE-  
SUFFIX: -11

CN-3426

The location is described at the end in this section.



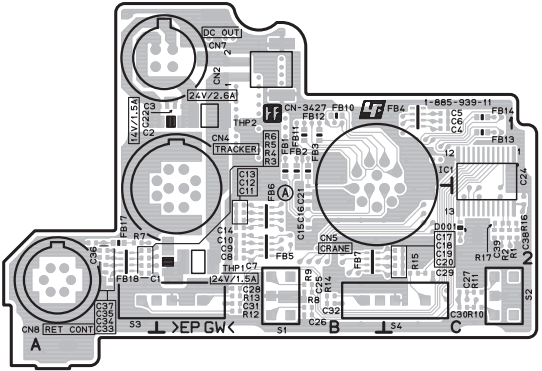
CN-3426 -A SIDE-  
SUFFIX: -11



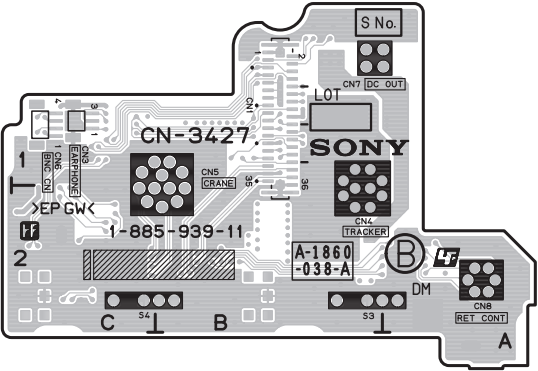
CN-3426 -B SIDE-  
SUFFIX: -11

CN-3427

The location is described at the end in this section.



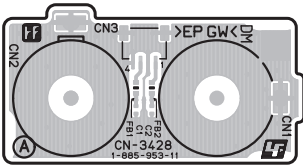
CN-3427 -A SIDE-  
SUFFIX: -11



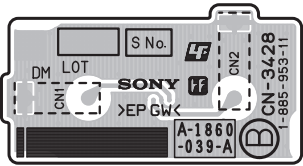
CN-3427 -B SIDE-  
SUFFIX: -11

CN-3428

The location is described at the end in this section.



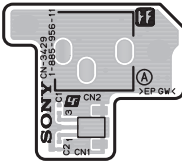
CN-3428 -A SIDE-  
SUFFIX: -11



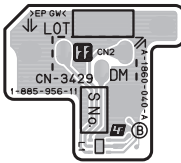
CN-3428 -B SIDE-  
SUFFIX: -11

CN-3429

The location is described at the end in this section.



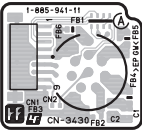
CN-3429 -A SIDE-  
SUFFIX: -11



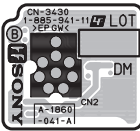
CN-3429 -B SIDE-  
SUFFIX: -11

CN-3430

The location is described at the end in this section.



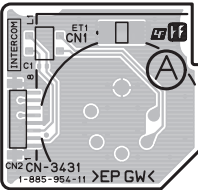
CN-3430 -A SIDE-  
SUFFIX: -11



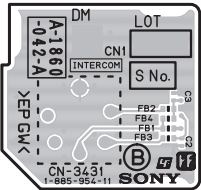
CN-3430 -B SIDE-  
SUFFIX: -11

CN-3431

The location is described at the end in this section.



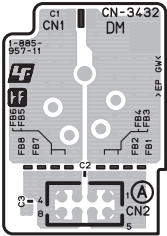
CN-3431 -A SIDE-  
SUFFIX: -11



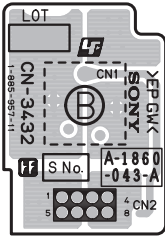
CN-3431 -B SIDE-  
SUFFIX: -11

CN-3432

The location is described at the end in this section.

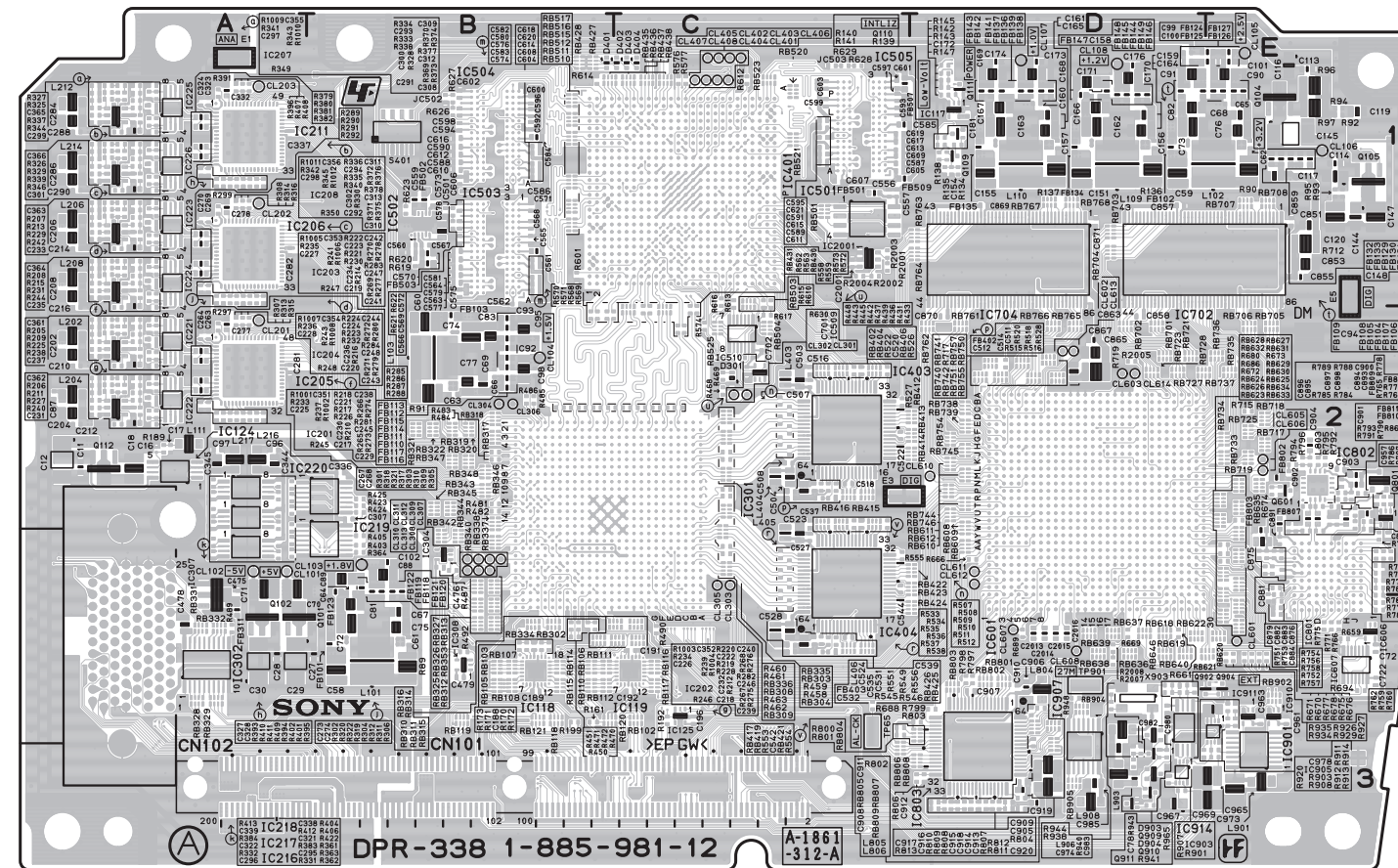


CN-3432 -A SIDE-  
SUFFIX: -11



CN-3432 -B SIDE-  
SUFFIX: -11

## DPR-338



**DPR-338** -A SIDE-SUFFIX: -12



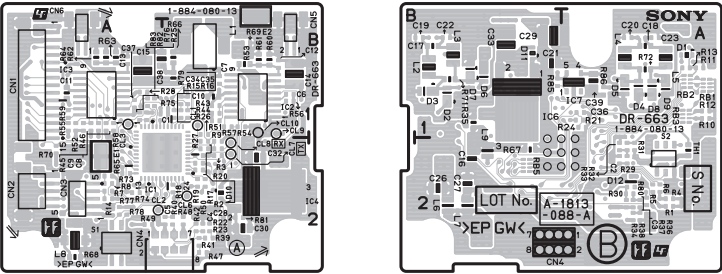


The location is described at the end in this section.



DR-663

The location is described at the end in this section.

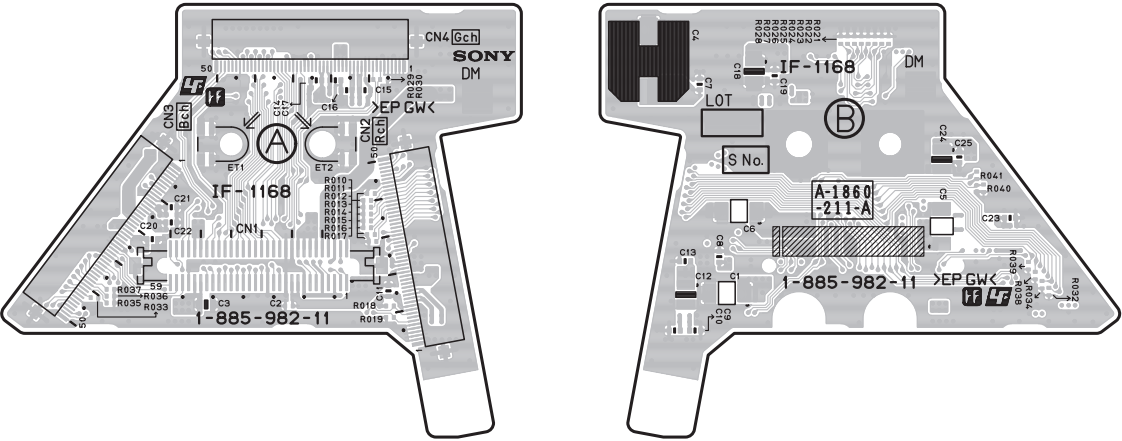


DR-663 -A SIDE-  
SUFFIX: -13

DR-663 -A SIDE-  
SUFFIX: -13

IF-1168

The location is described at the end in this section.

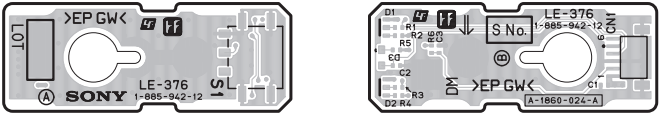


IF-1168 -A SIDE-  
SUFFIX: -11

IF-1168 -B SIDE-  
SUFFIX: -11

LE-376

The location is described at the end in this section.

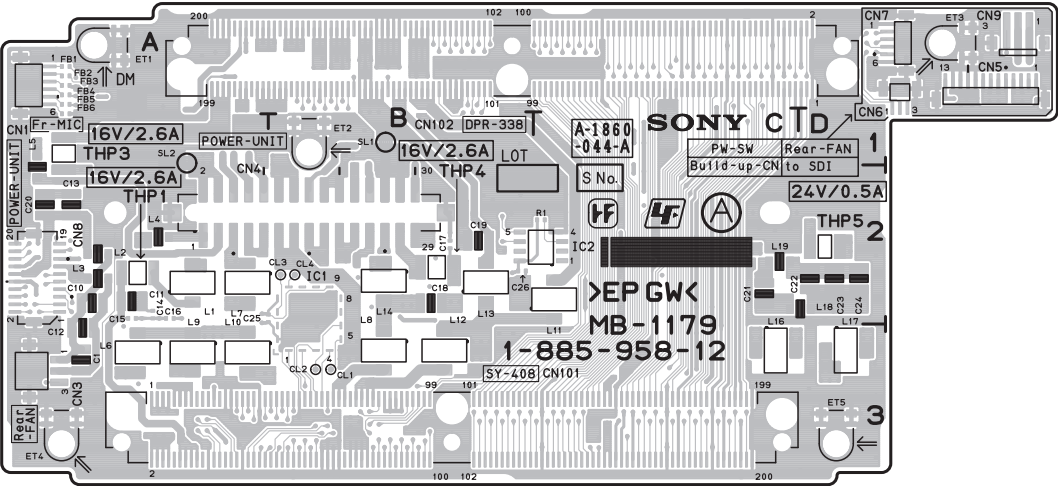


LE-376 -A SIDE-  
SUFFIX: -12

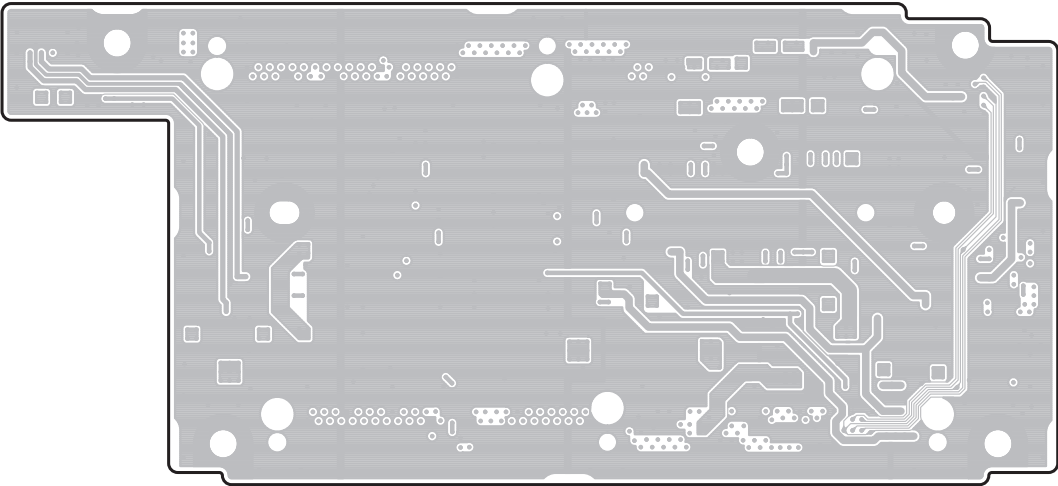
LE-376 -B SIDE-  
SUFFIX: -12

MB-1179

The location is described at the end in this section.



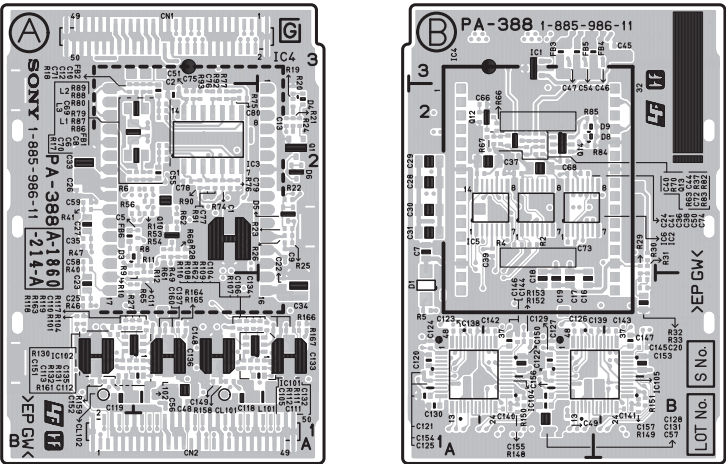
MB-1179 -A SIDE-  
SUFFIX: -12



MB-1179 -B SIDE-  
SUFFIX: -12

PA-388S

The location is described at the end in this section.

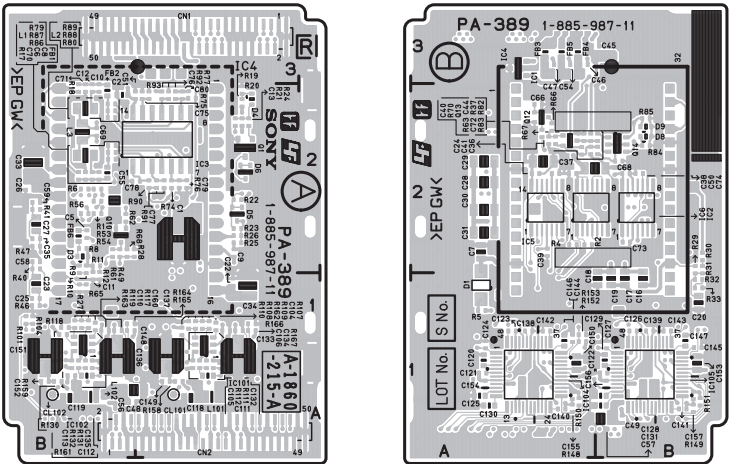


PA-388S -A SIDE-  
SUFFIX: -11

PA-388S -B SIDE-  
SUFFIX: -11

PA-389S

The location is described at the end in this section.



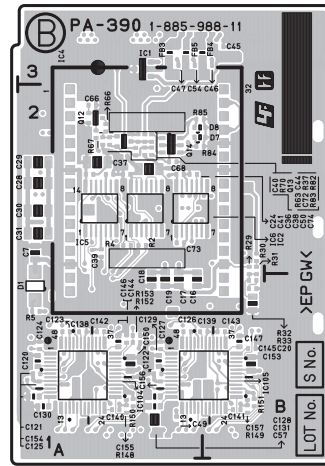
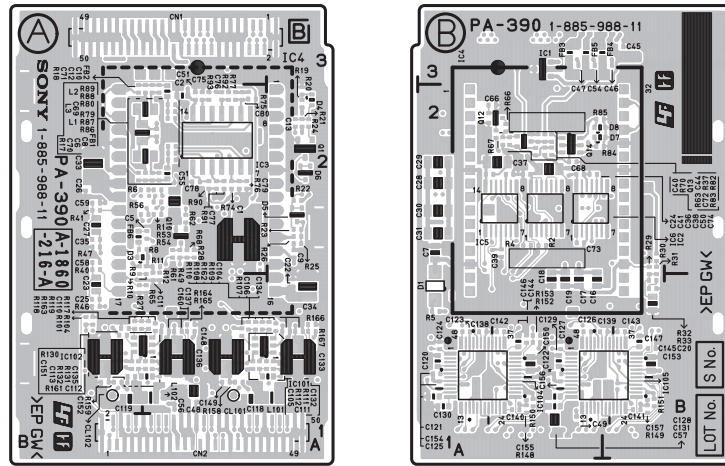
PA-389S -A SIDE-  
SUFFIX: -11

PA-389S -B SIDE-  
SUFFIX: -11



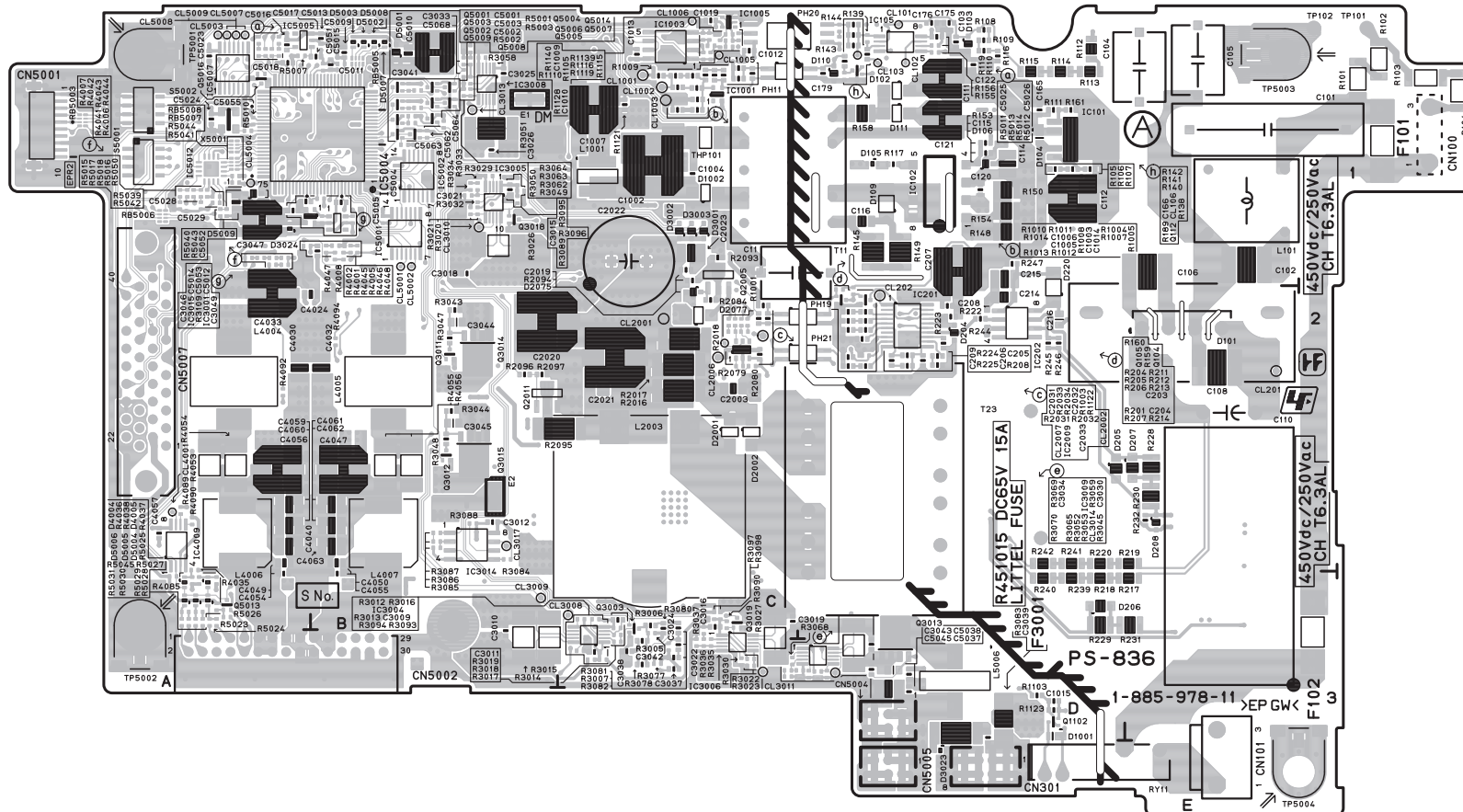
The location is described at the end in this section.

The location is described at the end in this section.



The location is described at the end in this section.

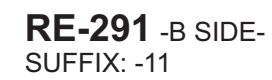
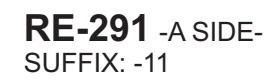
The location is described at the end in this section.





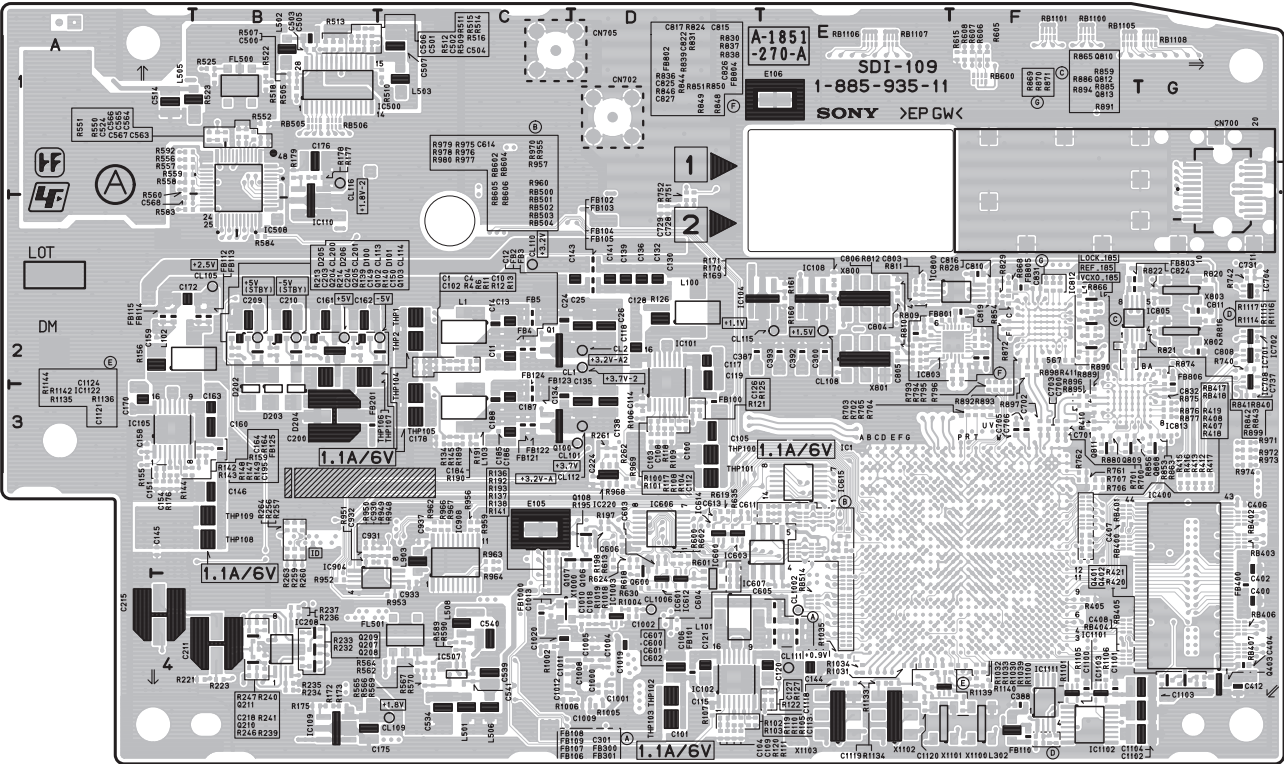


The location is described at the end in this section.

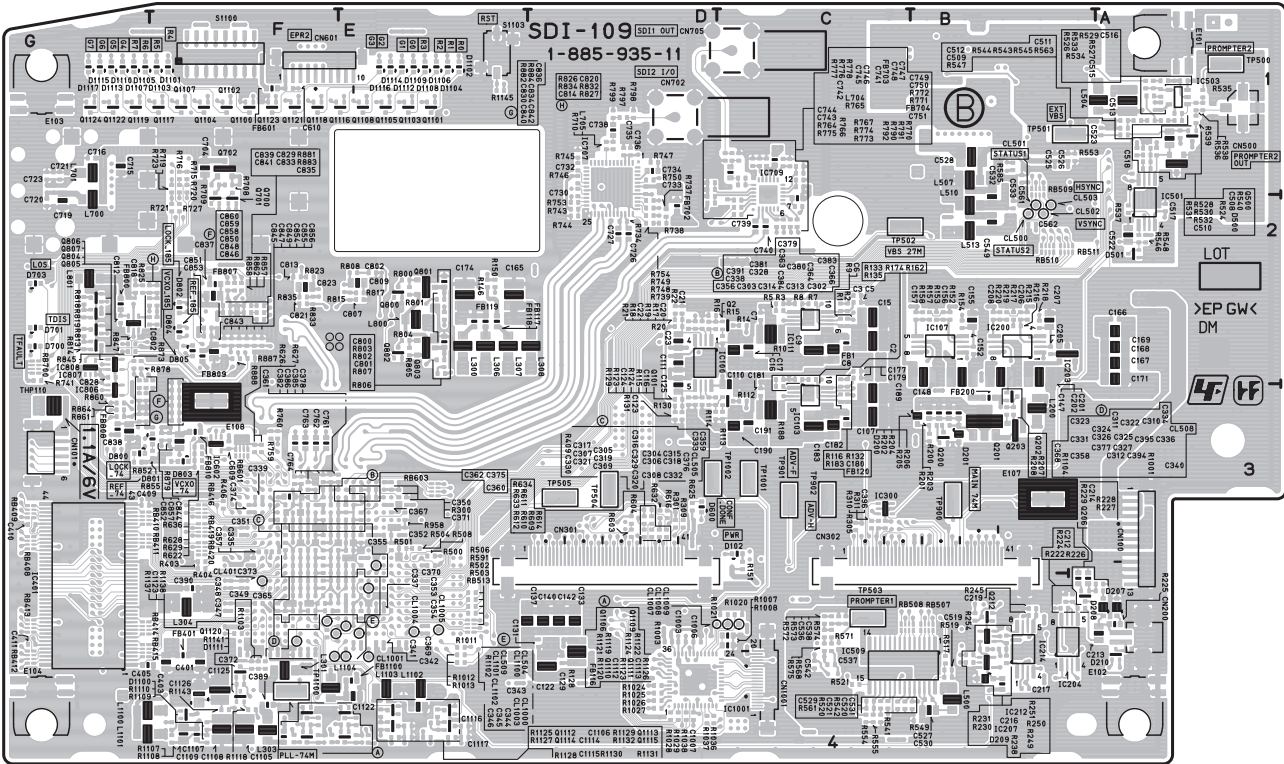


SDI-109

The location is described at the end in this section.



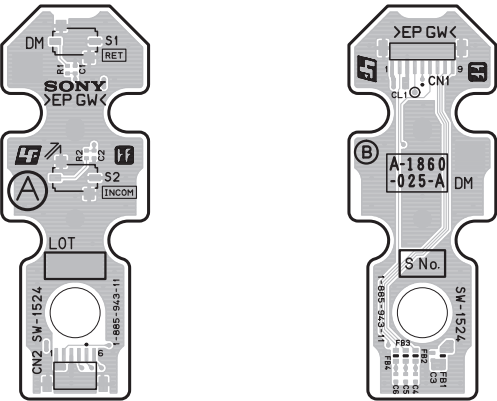
SDI-109 -A SIDE-  
SUFFIX: -11



SDI-109 -B SIDE-  
SUFFIX: -11

SW-1524

The location is described at the end in this section.

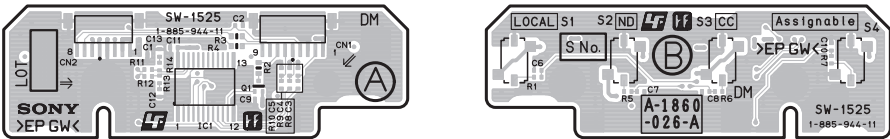


SW-1524 -A SIDE-  
SUFFIX: -11

SW-1524 -B SIDE-  
SUFFIX: -11

SW-1525

The location is described at the end in this section.



SW-1525 -A SIDE-  
SUFFIX: -11

SW-1525 -B SIDE-  
SUFFIX: -11

SW-1526

The location is described at the end in this section.

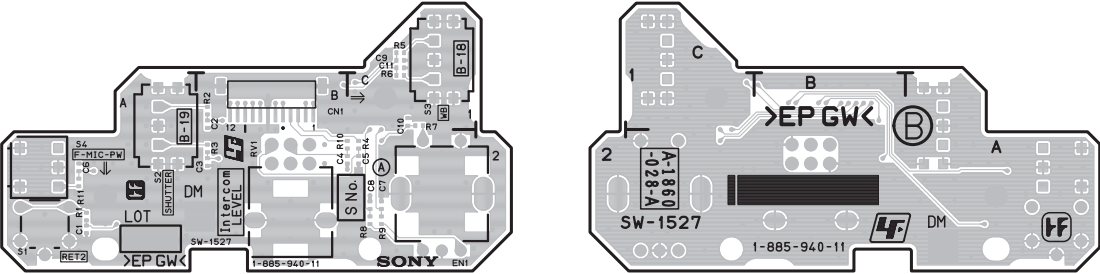


SW-1526 -A SIDE-  
SUFFIX: -11

SW-1526 -B SIDE-  
SUFFIX: -11

SW-1527

The location is described at the end in this section.

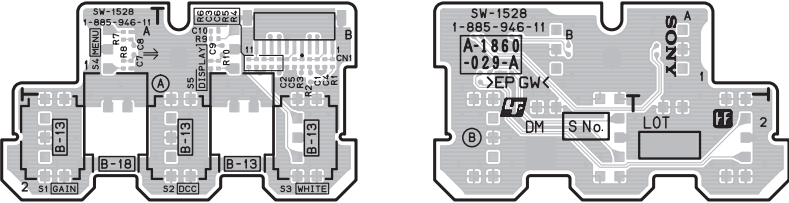


SW-1527 -A SIDE-  
SUFFIX: -11

SW-1527 -B SIDE-  
SUFFIX: -11

SW-1528

The location is described at the end in this section.

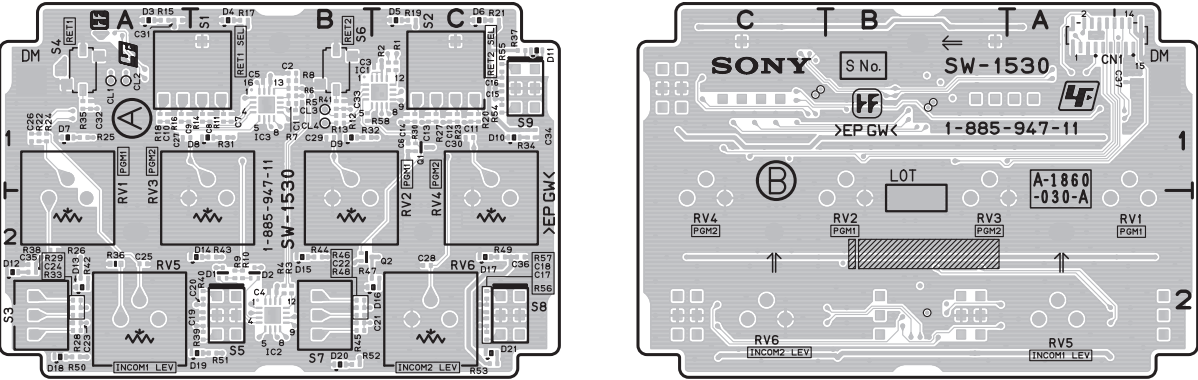


SW-1528 -A SIDE-  
SUFFIX: -11

SW-1528 -B SIDE-  
SUFFIX: -11

SW-1530/1530A

The location is described at the end in this section.



SW-1530/1530A -A SIDE-  
SUFFIX: -11

SW-1530/1530A -B SIDE-  
SUFFIX: -11

SW-1531

The location is described at the end in this section.



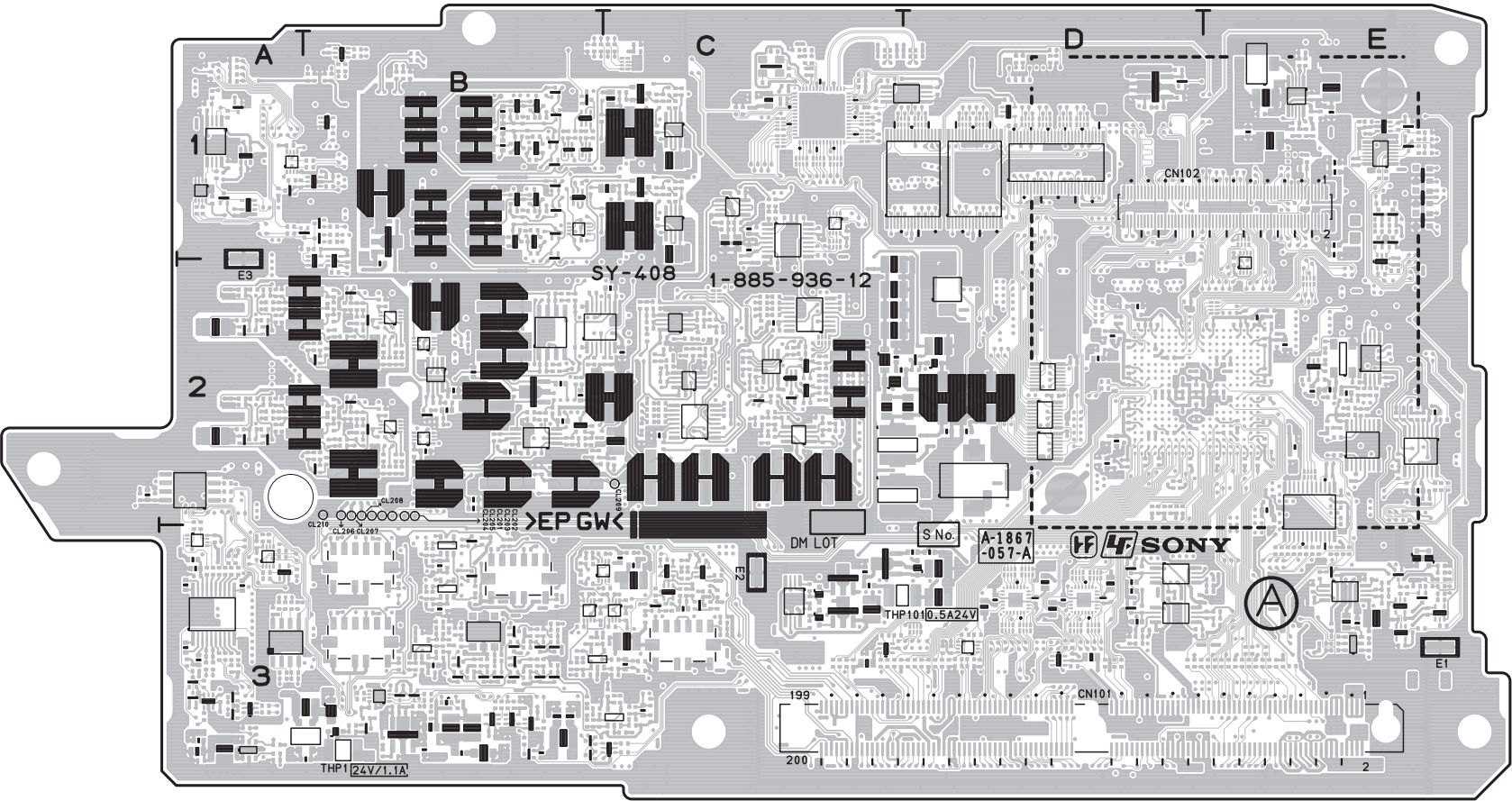
SW-1531 -A SIDE-  
SUFFIX: -11

SW-1531 -B SIDE-  
SUFFIX: -11

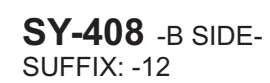


**SY-408**

The location is described at the end in this section.

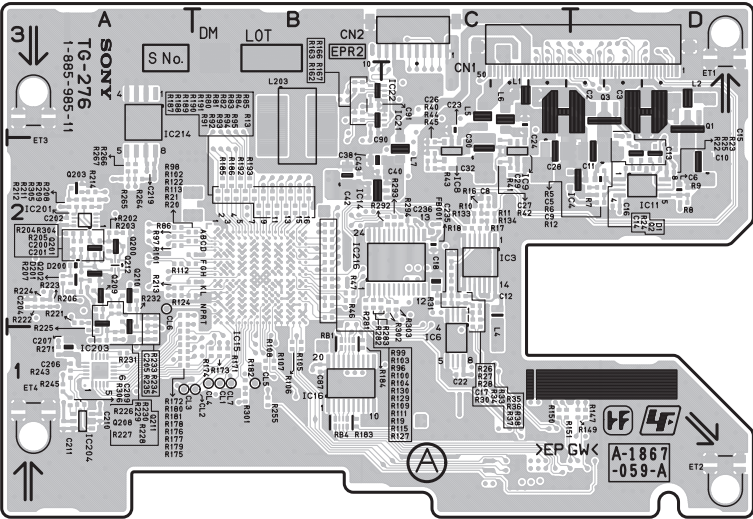


**SY-408** -A SIDE-  
SUFFIX: -12

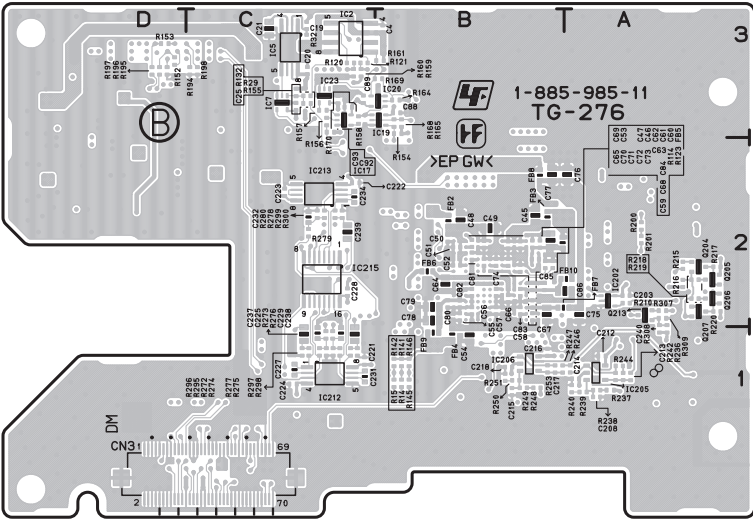


TG-276S

The location is described at the end in this section.



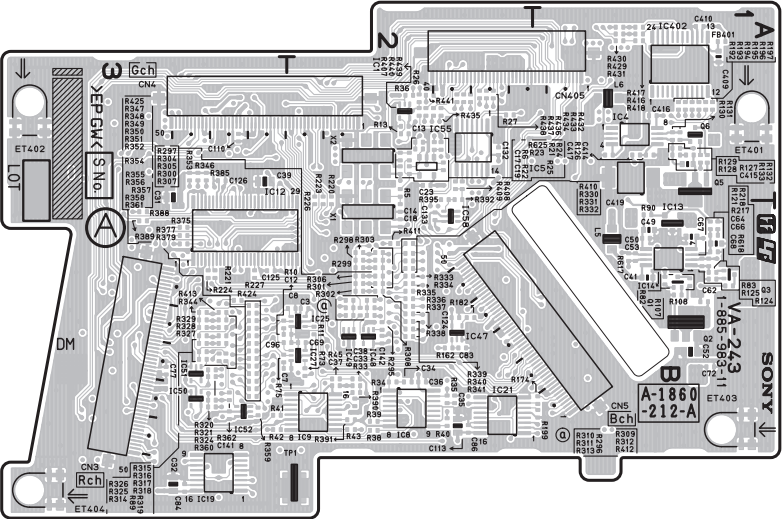
TG-276S -A SIDE-  
SUFFIX: -11



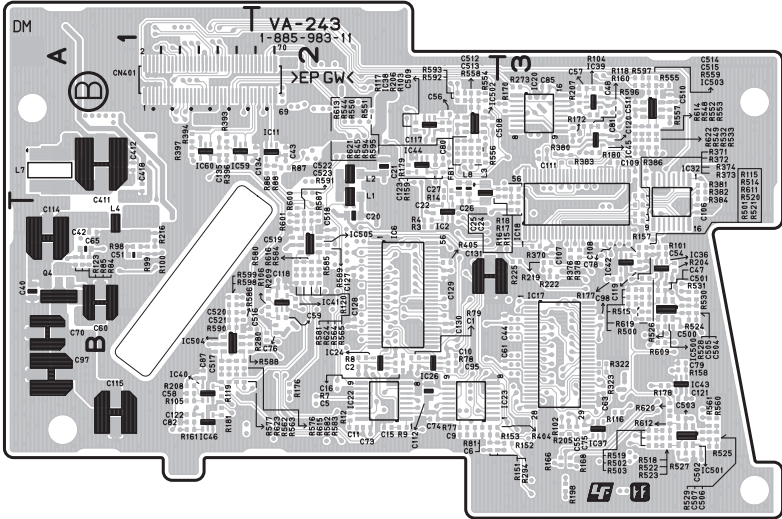
TG-276S -B SIDE-  
SUFFIX: -11

VA-243S

The location is described at the end in this section.



VA-243S -A SIDE-  
SUFFIX: -11



VA-243S -B SIDE-  
SUFFIX: -11

Board Parts Location

|                                     |      |      |       |      |       |      |      |      |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|-------------------------------------|------|------|-------|------|-------|------|------|------|--------|------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|------|----|--------------------------------------|--------------------------------------|
| AT-189<br>1-885-937-11<br>*: B SIDE | C339 | * A2 | FL100 | B1   | R205  | * B2 | R343 | * A2 | RB415  | * B3 | CN-3315<br>1-885-984-12<br>*: B SIDE | CN-3421<br>1-885-949-11<br>*: B SIDE | CN-3422<br>1-885-950-11<br>*: B SIDE | CN-3423<br>1-885-955-11<br>*: B SIDE | CN-3424<br>1-885-951-11<br>*: B SIDE | CN-3425<br>1-885-952-11<br>*: B SIDE | CN-3426<br>1-885-938-11<br>*: B SIDE | CN-3427<br>1-885-939-11<br>*: B SIDE | R10  | C2 | CN-3428<br>1-885-953-11<br>*: B SIDE | CN-3429<br>1-885-956-11<br>*: B SIDE |
|                                     | C340 | B2   | FL101 | C1   | R206  | * B2 | R344 | * A2 | RB416  | * B3 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      | R11  | C2 |                                      |                                      |
|                                     | C400 | * A3 | FL300 | B3   | R207  | * B2 | R345 | * A2 | RB417  | * B3 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      | R12  | B2 |                                      |                                      |
|                                     | C401 | * A2 | FL301 | B2   | R208  | * B2 | R346 | * A2 | RB418  | * B3 | CN1                                  | A1                                   | C1                                   | * A1                                 | C1                                   | A1                                   | C1                                   | B2                                   | R13  | B2 | C1                                   | A1                                   |
|                                     | C100 | * A2 | C402  | * A2 | R209  | * B2 | R347 | * A2 | RB419  | * A3 | C2                                   | * A1                                 | C2                                   | A1                                   | C2                                   | A1                                   | C2                                   | B1                                   | R14  | B2 | C2                                   | A1                                   |
|                                     | C101 | * A2 | C403  | A3   | FL400 | C2   | R210 | * B2 | RB420  | * A3 | C3                                   | * A1                                 | C3                                   | A1                                   | C3                                   | B1                                   | C3                                   | B1                                   | R15  | C2 | C2                                   | A1                                   |
|                                     | C102 | * A2 | C404  | A3   | FL401 | A3   | R211 | * B2 | RB421  | * A3 | C4                                   | * A1                                 | C4                                   | A1                                   | C4                                   | B2                                   | CN1                                  | A1                                   | R16  | C2 |                                      |                                      |
|                                     | C103 | * A1 | C405  | A3   | FL402 | B3   | R212 | * B2 | RB422  | * A3 | C5                                   | * A1                                 | C5                                   | A1                                   | C5                                   | B2                                   | CN2                                  | A1                                   | R17  | C2 | CN1                                  | A1                                   |
|                                     | C104 | B1   | C406  | A3   |       |      | R213 | * B2 | RB423  | * C3 | C6                                   | * A1                                 | C6                                   | A1                                   | C6                                   | B1                                   | CN3                                  | A1                                   |      |    | CN2                                  | A1                                   |
|                                     | C105 | C1   | C407  | A3   | IC100 | B1   | R214 | * B2 | RB424  | * C3 |                                      |                                      | C7                                   | A1                                   | C7                                   | B2                                   | CN4                                  | A1                                   |      |    | CN3                                  | A1                                   |
|                                     | C106 | A1   | C408  | A3   | IC101 | C1   | R215 | * B2 | RB425  | * B3 |                                      |                                      | C8                                   | A1                                   | C8                                   | B2                                   | CN5                                  | A1                                   | S1   | B2 |                                      |                                      |
|                                     | C107 | B1   | C409  | A3   | IC102 | A1   | R216 | * B2 | RB426  | * B3 | CN1                                  | A1                                   | C9                                   | A1                                   | C9                                   | B2                                   | FB1                                  | A1                                   | S2   | C2 |                                      |                                      |
|                                     | C108 | B1   | C410  | A3   | IC103 | B1   | R217 | * B2 | RB430  | * B3 | CN2                                  | A1                                   | C10                                  | A1                                   | C10                                  | B2                                   | FB2                                  | A1                                   | S3   | B2 |                                      |                                      |
|                                     | C109 | C1   | C411  | A3   | IC111 | * A1 | R218 | * B2 |        |      | CN3                                  | A1                                   | C11                                  | * A1                                 | C11                                  | B1                                   |                                      |                                      | S4   | C2 |                                      |                                      |
|                                     | C110 | B1   | C412  | A3   | IC112 | * A1 | R219 | * B2 | TP100  | A1   |                                      |                                      | C12                                  | * A1                                 | C12                                  | B2                                   | L1                                   | A1                                   | THP1 | B2 |                                      |                                      |
|                                     | C111 | C1   | C413  | A3   | IC113 | * A1 | R220 | * B2 | TP101  | A1   | ET1                                  | A1                                   | CN1                                  | A1                                   | C12                                  | B2                                   |                                      |                                      | THP2 | B1 |                                      |                                      |
|                                     | C112 | B1   | C414  | A3   | IC200 | * B2 | R221 | B2   | TP102  | C3   |                                      |                                      | CN2                                  | * A1                                 |                                      |                                      | R1                                   | A1                                   |      |    |                                      |                                      |
|                                     | C113 | C1   | C415  | A3   | IC300 | * A2 | R222 | B2   | TP300  | C3   |                                      |                                      |                                      |                                      |                                      |                                      | R2                                   | A1                                   |      |    |                                      |                                      |
|                                     | C114 | B1   | C416  | A3   | IC301 | * A2 | R223 | B2   |        |      | FB1                                  | * A1                                 | FB1                                  | A1                                   | CN1                                  | B2                                   | FB2                                  | A1                                   |      |    |                                      |                                      |
|                                     | C115 | C1   | C417  | A3   | IC303 | B2   | R224 | B2   |        |      | FB2                                  | * A1                                 | FB2                                  | A1                                   | CN2                                  | B1                                   | FB3                                  | A1                                   |      |    |                                      |                                      |
|                                     | C116 | B1   | C418  | A3   | IC305 | * A2 | R226 | B2   | VDR200 | C2   | FB3                                  | * A1                                 | FB3                                  | A1                                   | CN3                                  | * A2                                 | FB4                                  | A1                                   |      |    |                                      |                                      |
|                                     | C117 | B1   | C419  | A3   | IC309 | * A2 | R227 | * B2 | VDR201 | C2   | FB4                                  | * A1                                 | FB4                                  | A1                                   | CN4                                  | A2                                   | FB5                                  | A1                                   | VDR1 | A1 |                                      |                                      |
|                                     | C118 | C1   | C420  | * B3 | IC310 | * A1 | R228 | * B2 |        |      |                                      |                                      | FB5                                  | A1                                   | CN5                                  | * B1                                 | FB6                                  | A1                                   | VDR2 | A1 |                                      |                                      |
|                                     | C119 | C1   | C421  | C3   | IC311 | * A2 | R229 | * B2 | X300   | * A2 | JC1                                  | * A1                                 | FB6                                  | A1                                   |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C120 | A1   | C422  | C3   | IC401 | * C2 | R230 | * B2 | X301   | * B2 | JC2                                  | * A1                                 | FB7                                  | A1                                   | D3                                   | B2                                   | L1                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C121 | B1   | C423  | C3   | IC402 | * A3 | R231 | * B2 |        |      | JC3                                  | * A1                                 | FB8                                  | * A1                                 |                                      |                                      | L2                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C122 | B1   | C424  | C3   | IC403 | * B3 | R232 | * B2 |        |      |                                      |                                      | FB9                                  | * A1                                 | IC1                                  | B2                                   |                                      |                                      |      |    |                                      |                                      |
|                                     | C123 | C1   | C425  | C3   |       |      | R233 | * B2 |        |      |                                      |                                      | FB10                                 | * A1                                 | IC2                                  | B1                                   | R1                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C124 | A1   | C426  | B3   | L100  | B1   | R234 | B2   |        |      |                                      |                                      | FB11                                 | * A1                                 | IC3                                  | B2                                   | R2                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C125 | B1   | C427  | B3   | L101  | C1   | R235 | B2   |        |      |                                      |                                      | FB12                                 | A1                                   | IC4                                  | B2                                   | R3                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C126 | B1   | C428  | B3   | L200  | C2   | R236 | * B2 |        |      |                                      |                                      | FB13                                 | A1                                   | IC5                                  | B2                                   | R4                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C127 | C1   | C429  | C3   |       |      | R237 | * B2 |        |      |                                      |                                      |                                      |                                      |                                      |                                      | R5                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C136 | * A1 | C430  | C3   | Q100  | C1   | R239 | * B2 |        |      |                                      |                                      | JC1                                  | A1                                   |                                      |                                      | R6                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C138 | * A1 | C431  | C3   | Q101  | * A1 | R240 | * B2 |        |      |                                      |                                      |                                      |                                      |                                      |                                      | R7                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C140 | * A1 | C432  | C3   | Q300  | C3   | R241 | * B2 |        |      |                                      |                                      |                                      |                                      |                                      |                                      | R8                                   | * A1                                 |      |    |                                      |                                      |
|                                     | C142 | * A1 | C433  | B3   |       |      | R242 | C2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C143 | * A1 | C434  | B3   | R100  | B1   | R243 | C2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C144 | * A1 | C435  | B3   | R101  | B1   | R244 | C2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C200 | B2   | C436  | B3   | R102  | C1   | R245 | B2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C201 | B2   | C437  | B3   | R103  | C1   | R300 | * A2 |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C202 | C2   | C438  | * C2 | R106  | B1   | R301 | A2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C300 | B2   | C439  | C2   | R107  | B1   | R302 | * A2 |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C301 | B2   | C440  | C2   | R108  | C1   | R303 | * A2 |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C302 | B2   | C441  | C2   | R109  | C1   | R304 | B2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C303 | B3   | C442  | C2   | R110  | A1   | R305 | B2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C304 | B2   | C443  | C2   | R111  | B1   | R306 | * A2 |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C305 | B2   | C444  | C2   | R114  | A1   | R307 | A2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C306 | B2   | C445  | C2   | R115  | A1   | R308 | A2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C307 | B2   | C446  | * A2 | R116  | A1   | R309 | C3   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C308 | B2   | C447  | * A2 | R117  | B1   | R310 | B2   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C309 | B2   | C448  | A3   | R118  | A1   | R311 | C3   |        |      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C310 | B2   | C449  | B3   | R119  | B1   | R312 | B2   | RB200  | * B2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C311 | * A2 | C450  | A3   | R120  | B1   | R313 | B2   | RB201  | * B2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C312 | B2   | C451  | B3   | R121  | C1   | R314 | B2   | RB202  | * B2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C313 | A2   |       |      | R122  | C1   | R315 | B2   | RB203  | * A2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C314 | B2   | CL100 | A1   | R123  | B1   | R316 | B2   | RB204  | * A2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C315 | B2   | CL101 | B1   | R124  | C1   | R317 | B2   | RB205  | * B2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C316 | B2   | CL102 | B1   | R125  | * A1 | R319 | * A1 | RB206  | * B2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C317 | B2   | CL103 | C2   | R132  | C1   | R320 | * A2 | RB207  | * B2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C318 | B2   | CL104 | * B2 | R133  | B2   | R321 | * A2 | RB302  | A2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C319 | A3   | CL400 | * A3 | R134  | B2   | R322 | * A1 | RB303  | A2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C320 | * A2 | CL401 | * B3 | R135  | B2   | R323 | * A2 | RB304  | * A2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C321 | B2   |       |      | R136  | B2   | R324 | * A2 | RB305  | * A2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C322 | B2   | CN100 | * B2 | R137  | B2   | R325 | * A2 | RB306  | * A2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C323 | B2   | CN200 | C2   | R138  | B2   | R326 | * A2 | RB307  | * A2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C324 | B2   | CN201 | C2   | R139  | B1   | R327 | * A2 | RB308  | * A2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C325 | A2   | CN300 | A2   | R140  | B1   | R328 | * A2 | RB309  | * A2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C326 | B2   |       |      | R141  | * A1 | R329 | * B2 | RB310  | B2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C327 | B2   | D300  | C3   | R142  | * A1 | R330 | * B2 | RB311  | B2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C328 | B2   |       |      | R144  | * A1 | R331 | * A2 | RB312  | B2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C329 | B2   | E100  | A1   | R146  | C1   | R332 | A2   | RB313  | B2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C330 | B2   |       |      | R147  | * A2 | R333 | A2   | RB314  | B2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C331 | A2   | FB100 | B1   | R148  | * B2 | R334 | B2   | RB315  | B2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C332 | * B2 | FB101 | C1   | R149  | * B2 | R335 | * A2 | RB316  | B2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C333 | * B2 | FB102 | B1   | R150  | * B2 | R336 | * A2 | RB317  | B2   |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C334 | * A2 | FB300 | A3   | R200  | * B2 | R337 | * A2 | RB401  | * C2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C335 | * A2 | FB304 | B2   | R201  | * B2 | R338 | * A2 | RB411  | * C2 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C336 | * A1 | FB400 | A3   | R202  | * B3 | R340 | B2   | RB412  | * B3 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C337 | * A2 | FB401 | B3   | R203  | * B3 | R341 | * A2 | RB413  | * B3 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |
|                                     | C338 | * A2 |       |      | R204  | * A2 | R342 | * A2 | RB414  | * B3 |                                      |                                      |                                      |                                      |                                      |                                      |                                      |                                      |      |    |                                      |                                      |



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| <b>CN-3430</b><br>1-885-941-11<br>*: B SIDE<br>C1        A1<br>C2        A1<br><br>CN1       A1<br>CN2       A1<br><br>FB1       A1<br>FB2       A1<br>FB3       A1<br>FB4       A1<br>FB5       A1<br>FB6       A1 | <b>CN-3431</b><br>1-885-954-11<br>*: B SIDE<br>C1        A1<br>C2        * A1<br>C3        * A1<br><br>CN1       A1<br>CN2       A1<br><br>ET1       A1<br><br>FB1       * A1<br>FB2       * A1<br>FB3       * A1<br>FB4       * A1<br><br>L1        A1 | <b>CN-3432</b><br>1-885-957-11<br>*: B SIDE<br>C1        A1<br>C2        A1<br>C3        A1<br><br>CN1       A1<br>CN2       A1<br><br>FB1       A1<br>FB2       A1<br>FB3       A1<br>FB4       A1<br>FB5       A1<br>FB6       A1<br>FB7       A1<br>FB8       A1 | <b>DPR-338</b><br>1-885-981-12<br>*: B SIDE<br>C11       A2<br>C12       A2<br>C13       * A2<br>C14       * A2<br>C15       * A2<br>C16       A2<br>C17       A2<br>C18       A2<br>C21       * B3<br>C22       * D1<br>C23       * B2<br>C24       * B2<br>C25       * D1<br>C26       * B2<br>C27       B3<br>C28       A3<br>C29       A3<br>C30       A3<br>C31       * B2<br>C32       * D1<br>C33       * B2<br>C34       * B3<br>C35       * D1<br>C36       * B2<br>C37       * A3<br>C38       * A3<br>C39       * B3<br>C40       * D1<br>C41       * B2<br>C42       * B3<br>C43       * E1<br>C44       * B2<br>C45       * B3<br>C46       * B3<br>C47       * A3<br>C48       * B3<br>C49       * E1<br>C50       * B2<br>C51       * A3<br>C52       * B3<br>C53       * B3<br>C54       * D1<br>C55       * E1<br>C56       * B2<br>C57       * B2<br>C58       B3<br>C59       D1<br>C60       B2<br>C61       B3<br>C62       E1<br>C63       B2<br>C64       B2<br>C65       E1<br>C66       B2<br>C67       B3<br>C68       E1<br>C69       B2<br>C70       A2<br>C71       A2<br>C72       B3<br>C73       D1<br>C74       B2<br>C75       B3<br>C76       E1<br>C77       B2<br>C78       D3<br>C79       * A3<br>C80       * A3<br>C81       B3<br>C82       D1<br>C83       B2<br>C84       * A3<br>C85       * A3<br>C86       * A2<br>C87       A2<br>C88       B2<br>C89       B2<br>C90       E1<br>C91       D1 | C92       B2<br>C93       B2<br>C94       D1<br>C95       B2<br>C96       A2<br>C97       A2<br>C98       B2<br>C99       D1<br>C100      D1<br>C101      E1<br>C102      B2<br>C103      * B2<br>C104      * E1<br>C105      * A2<br>C106      * B2<br>C107      * B3<br>C108      * A1<br>C109      * B2<br>C110      * E2<br>C111      * A1<br>C112      * B2<br>C113      E1<br>C114      E1<br>C115      * C3<br>C116      E1<br>C117      E1<br>C118      * C1<br>C119      E1<br>C120      E1<br>C121      * E1<br>C122      * E1<br>C123      * D1<br>C124      * D1<br>C125      * D1<br>C126      * D1<br>C127      * D1<br>C128      * D1<br>C129      * D1<br>C130      * E1<br>C131      * E1<br>C132      * D1<br>C133      * E1<br>C134      * E1<br>C135      * E1<br>C136      * E1<br>C137      * D1<br>C138      * D1<br>C139      * D1<br>C140      * D1<br>C141      * E1<br>C142      * E1<br>C143      * D1<br>C144      E1<br>C145      E1<br>C146      * D1<br>C147      E1<br>C148      E1<br>C149      * D1<br>C150      * D1<br>C151      D1<br>C152      * D1<br>C153      * D1<br>C154      D1<br>C155      D1<br>C156      D1<br>C157      D1<br>C158      D1<br>C159      D1<br>C160      D1<br>C161      D1<br>C162      D1<br>C163      D1<br>C164      D1<br>C165      D1<br>C166      D1<br>C167      D1<br>C168      D1<br>C169      D1<br>C170      D1<br>C171      D1<br>C172      D1<br>C173      D1<br>C174      D1 | C175      * D1<br>C176      D1<br>C177      * C1<br>C178      * E2<br>C179      * E2<br>C180      * D1<br>C181      D1<br>C182      * B3<br>C183      * B3<br>C184      * C1<br>C185      * C1<br>C186      * B3<br>C187      * C3<br>C188      B3<br>C189      B3<br>C190      * C3<br>C191      C3<br>C192      C3<br>C193      * D3<br>C194      * B3<br>C195      * B3<br>C196      C3<br>C197      * B3<br>C201      * A2<br>C202      A2<br>C203      * A2<br>C204      A2<br>C205      * A1<br>C206      A1<br>C207      * A1<br>C208      A1<br>C209      * A2<br>C210      A2<br>C211      * A2<br>C212      A2<br>C213      * A1<br>C214      A1<br>C215      * A2<br>C216      A2<br>C217      A2<br>C218      A2<br>C219      A1<br>C220      A2<br>C221      A2<br>C222      A2<br>C223      A1<br>C224      A1<br>C225      A2<br>C226      A2<br>C227      A1<br>C228      A1<br>C229      A2<br>C230      A2<br>C231      A2<br>C232      A2<br>C233      A1<br>C234      A1<br>C235      A1<br>C236      A1<br>C237      A2<br>C238      A2<br>C239      A2<br>C240      A2<br>C241      A1<br>C242      A1<br>C243      A2<br>C244      A1<br>C245      A2<br>C246      A2<br>C247      A1<br>C248      A1<br>C249      * A2<br>C250      * A2<br>C251      * A1<br>C252      * A1<br>C253      * A2<br>C254      * A2<br>C255      * A2<br>C256      * A2<br>C257      * A1<br>C258      * A1<br>C259      * A1<br>C260      * A1 | C261      * A2<br>C262      * A1<br>C263      A2<br>C264      A2<br>C265      * A2<br>C266      * A2<br>C267      A2<br>C268      A2<br>C269      A1<br>C270      A1<br>C271      * A1<br>C272      * A1<br>C273      A1<br>C274      A1<br>C275      * A2<br>C276      * A1<br>C277      A2<br>C278      A1<br>C279      * A2<br>C280      * A1<br>C281      A2<br>C282      A1<br>C283      * A1<br>C284      A1<br>C285      * A1<br>C286      A1<br>C287      * A1<br>C288      A1<br>C289      * A1<br>C290      A1<br>C291      A1<br>C292      A1<br>C293      A1<br>C294      A1<br>C295      A2<br>C296      A2<br>C297      A1<br>C298      A1<br>C299      A1<br>C300      A1<br>C301      A1<br>C302      A1<br>C303      * A2<br>C304      * A2<br>C305      * A2<br>C306      * A2<br>C307      B2<br>C308      A1<br>C309      A1<br>C310      A1<br>C311      A1<br>C312      A1<br>C313      A1<br>C314      * A1<br>C315      * A1<br>C316      * A1<br>C317      * A1<br>C318      * A1<br>C319      * A1<br>C320      * A1<br>C321      A2<br>C322      A2<br>C323      A1<br>C324      A1<br>C325      * A1<br>C326      * A1<br>C327      A1<br>C328      A1<br>C329      * A1<br>C330      * A2<br>C331      * A2<br>C332      A1<br>C333      * A2<br>C334      * A2<br>C335      * A1<br>C336      B2<br>C337      A1<br>C338      A2<br>C339      A2<br>C340      * A2<br>C341      * A2<br>C342      * A2<br>C343      * A2 | C344      A2<br>C345      A2<br>C346      * B1<br>C347      * B1<br>C348      * B1<br>C349      * B1<br>C350      * B1<br>C351      A2<br>C352      A2<br>C353      A1<br>C354      A1<br>C355      A1<br>C356      A1<br>C357      * B1<br>C358      * B1<br>C359      * B1<br>C360      * B1<br>C361      A2<br>C362      A2<br>C363      A1<br>C364      A1<br>C365      A1<br>C366      A1<br>C401      * B2<br>C402      * C2<br>C403      * C2<br>C404      * C2<br>C405      * C2<br>C406      * C2<br>C407      * C2<br>C408      * C2<br>C409      * B2<br>C410      * B2<br>C411      * B2<br>C412      * B2<br>C413      * B2<br>C414      * B2<br>C415      * B2<br>C416      * B2<br>C417      * C2<br>C418      * B2<br>C419      * B2<br>C420      * B2<br>C421      * C3<br>C422      * C2<br>C423      * B2<br>C424      * B3<br>C425      * B3<br>C426      * B2<br>C427      * B2<br>C428      * C2<br>C429      * C2<br>C430      * B2<br>C431      * B2<br>C432      * B2<br>C433      * B2<br>C434      * C2<br>C435      * C2<br>C436      * C2<br>C437      * C2<br>C438      * C2<br>C439      * C3<br>C440      * C2<br>C441      * C2<br>C442      * C2<br>C443      * C2<br>C444      * C2<br>C445      * C2<br>C446      * B2<br>C447      * C2<br>C448      * C2<br>C449      * B2<br>C450      * B2<br>C451      * B3<br>C452      * B2<br>C453      * B2<br>C454      * B2<br>C455      * B2<br>C456      * B2<br>C457      * B2<br>C458      * C3<br>C459      * C3<br>C460      * B3 | C461      * B3<br>C462      * C2<br>C463      * C2<br>C464      * C3<br>C465      * C3<br>C466      * C3<br>C467      * C2<br>C468      * C2<br>C469      * C2<br>C470      * C2<br>C471      * B3<br>C472      * B3<br>C474      * B2<br>C475      A3<br>C476      B2<br>C477      * C3<br>C478      A3<br>C479      B3<br>C501      * C2<br>C502      * C2<br>C503      C2<br>C504      C2<br>C505      * C2<br>C506      * C2<br>C507      C2<br>C508      C2<br>C509      * C2<br>C510      * C2<br>C511      C2<br>C512      C2<br>C513      * C2<br>C514      C2<br>C515      * C2<br>C516      C2<br>C517      * C2<br>C518      C2<br>C519      * C2<br>C520      C2<br>C521      * D2<br>C522      C2<br>C523      C2<br>C524      C3<br>C525      * C3<br>C526      * C2<br>C527      C2<br>C528      C3<br>C529      * C3<br>C530      * C2<br>C531      C3<br>C532      C3<br>C533      * C2<br>C534      * C2<br>C535      C3<br>C536      * C2<br>C537      C2<br>C538      * C3<br>C539      C3<br>C540      * C2<br>C541      * C3<br>C542      C2<br>C543      * D3<br>C544      C2<br>C545      * C1<br>C551      * C1<br>C552      * C1<br>C553      * C1<br>C554      * C1<br>C555      * C1<br>C556      C1<br>C557      C1<br>C558      * C1<br>C559      B1<br>C560      B1<br>C561      B1<br>C562      B1<br>C563      B1<br>C564      B1<br>C565      B1<br>C566      B1<br>C567      B1<br>C568      B1<br>C569      B1<br>C570      B1 | C571      B1<br>C572      B1<br>C573      B1<br>C574      B1<br>C575      B1<br>C576      B1<br>C577      B1<br>C578      B1<br>C579      B1<br>C580      B1<br>C581      B1<br>C582      B1<br>C583      B1<br>C584      B1<br>C585      C1<br>C586      B1<br>C587      C1<br>C588      B1<br>C589      C1<br>C590      B1<br>C591      C1<br>C592      B1<br>C593      C1<br>C594      B1<br>C595      C1<br>C596      B1<br>C597      C1<br>C598      B1<br>C599      C1<br>C600      B1<br>C601      C1<br>C602      B1<br>C603      C1<br>C604      B1<br>C605      C1<br>C606      B1<br>C607      C1<br>C608      B1<br>C609      C1<br>C610      B1<br>C611      C1<br>C612      B1<br>C613      C1<br>C614      B1<br>C615      C1<br>C616      B1<br>C617      C1<br>C618      B1<br>C619      C1<br>C620      B1<br>C621      C1<br>C622      * C1<br>C623      * C1<br>C624      * C1<br>C625      * C1<br>C626      * B1<br>C627      * C1<br>C628      * C1<br>C629      * C1<br>C630      * C1<br>C631      * C1<br>C632      * C1<br>C633      * C1<br>C634      * C1<br>C635      * C1<br>C636      * C1<br>C637      * C1<br>C638      * C1<br>C639      * C1<br>C640      * C1<br>C641      * C1<br>C642      * C1<br>C643      * C1<br>C644      * C1<br>C645      * C1<br>C646      * C1<br>C647      * C1<br>C648      * C1<br>C649      * C1<br>C650      * C1<br>C651      * C1<br>C652      * C1<br>C653      * C1 | C654      * C1<br>C655      * C1<br>C656      * C1<br>C657      * C1<br>C658      * C1<br>C659      * C1<br>C660      * C1<br>C661      * C1<br>C662      * C1<br>C663      * C1<br>C664      * C1<br>C665      * C1<br>C666      * C1<br>C667      * C1<br>C668      * C1<br>C669      * C1<br>C670      * C1<br>C671      * C1<br>C672      * C1<br>C673      * C1<br>C674      * C1<br>C675      * C1<br>C676      * C1<br>C677      * C1<br>C678      * C1<br>C679      * C1<br>C680      * C1<br>C681      * C1<br>C682      * B2<br>C683      * B1<br>C684      * C1<br>C685      * B1<br>C686      * B1<br>C687      * B1<br>C688      * B1<br>C689      * B1<br>C690      * C1<br>C691      * B1<br>C692      * B1<br>C693      * B1<br>C694      * C1<br>C695      * C1<br>C696      * C1<br>C697      * C1<br>C698      * C1<br>C699      * C1<br>C700      * C1<br>C701      C2<br>C702      C2<br>C710      * D2<br>C711      * E3<br>C712      * E3<br>C713      * E3<br>C714      * E3<br>C715      * D3<br>C720      * D2<br>C721      E3<br>C722      E3<br>C731      * D2<br>C732      * D2<br>C733      * D2<br>C734      * D2<br>C735      * D2<br>C736      * E2<br>C737      * D2<br>C738      * D2<br>C739      * D2<br>C740      * D2<br>C741      * D2<br>C742      * D2<br>C743      * D2<br>C744      * D2<br>C745      * D2<br>C746      * D2<br>C747      * E2<br>C748      * E2<br>C749      * E2<br>C750      * D2<br>C751      * D2<br>C752      * D2<br>C753      * D2<br>C754      * D2<br>C755      * D2 | C756      * D3<br>C757      * D2<br>C758      * D2<br>C759      * D2<br>C760      * D2<br>C761      * D2<br>C762      * D2<br>C763      * D2<br>C764      * D2<br>C765      * D2<br>C766      * D2<br>C767      * D3<br>C768      * D2<br>C769      * D2<br>C770      * D3<br>C771      * D2<br>C772      * D2<br>C773      * D2<br>C774      * D2<br>C775      * D2<br>C776      * D2<br>C777      * E2<br>C778      * D2<br>C779      * D2<br>C780      * D2<br>C781      * D2<br>C782      * E2<br>C783      * D2<br>C784      * D2<br>C785      * D2<br>C786      * D2<br>C787      * D2<br>C788      * D2<br>C789      * D2<br>C790      * D2<br>C791      * D2<br>C792      * D2<br>C793      * D2<br>C794      * D2<br>C795      * D2<br>C796      * E2<br>C797      * E2<br>C798      * D3<br>C799      * D3<br>C800      * D3<br>C801      * D3<br>C802      * D3<br>C803      * D3<br>C804      * D3<br>C805      * D3<br>C806      * D2<br>C807      * E2<br>C808      * E2<br>C809      * D2<br>C810      * D2<br>C811      * D2<br>C812      * D2<br>C813      * D2<br>C814      * D2<br>C815      * D2<br>C816      * D2<br>C817      * D2<br>C818      * D2<br>C819      * D2<br>C820      * D2<br>C821      * D2<br>C822      * D2<br>C823      * D2<br>C824      * D2<br>C825      * D2<br>C826      * D2<br>C827      * D2<br>C828      * D2<br>C829      * D2<br>C830      * D2<br>C831      * D2<br>C832      * D2<br>C833      * D2<br>C834      * D2<br>C835      * D2<br>C836      * D2<br>C837      * D2<br>C838      * D2 | C839      * D2<br>C840      * D2<br>C841      * D2<br>C842      * D2<br>C843      * D2<br>C844      * D2<br>C845      * D2<br>C846      * D3<br>C847      * D3<br>C848      * D3<br>C849      * D3<br>C850      * D2<br>C851      E1<br>C852      * E1<br>C853      E1<br>C854      * E1<br>C855      E1<br>C856      * E1<br>C857      D1<br>C858      D2<br>C859      E1<br>C860      * E1<br>C861      * E1<br>C862      * D2<br>C863      D2<br>C864      * D1<br>C865      D2<br>C866      * D1<br>C867      D2<br>C868      * D1<br>C869      D1<br>C870      D2<br>C871      D1<br>C872      * D2<br>C873      * D1<br>C874      * D2<br>C875      E2<br>C876      E2<br>C877      * E2<br>C878      * E2<br>C879      E2<br>C880      * E3<br>C881      E3<br>C882      E2<br>C883      E2<br>C884      E2<br>C885      * E2<br>C886      * E2<br>C887      * E2<br>C888      * E2<br>C889      * E2<br>C890      * E2<br>C891      E2<br>C892      * E2<br>C893      E2<br>C894      E2<br>C895      E2<br>C896      E2<br>C897      E2<br>C898      E2<br>C899      E2<br>C900      E2<br>C901      E2<br>C902      E2<br>C903      E2<br>C904      E2<br>C905      D3<br>C906      D3<br>C907      D3<br>C908      D3<br>C909      D3<br>C910      D3<br>C911      D3<br>C912      D3<br>C913      D3<br>C914      D3<br>C915      D3<br>C916      D3<br>C917      D3<br>C918      D3<br>C919      D3<br>C920      D3<br>C921      * D3 | C922      * C3<br>C923      * B3<br>C924      * C3<br>C925      * C3<br>C926      * C3<br>C927      * C3<br>C928      * C3<br>C929      * B3<br>C930      * B3<br>C931      * C3<br>C932      * C3<br>C933      * C3<br>C934      * C3<br>C935      * B3<br>C936      * C3<br>C937      * C3<br>C938      * C3<br>C939      * B3<br>C940      * B3<br>C941      * D3<br>C942      * D3<br>C943      * C3<br>C944      * C3<br>C945      * C3<br>C946      * C3<br>C947      * C3<br>C948      * C3<br>C949      * B3<br>C950      * B3<br>C951      * C3<br>C952      * C3<br>C953      * C3<br>C954      * B3<br>C955      * C3<br>C956      * C3<br>C957      E2<br>C961      E3<br>C962      * E3<br>C963      E3<br>C964      * E3<br>C965      E3<br>C966      * E3<br>C967      D3<br>C968      * E3<br>C969      E3<br>C970      * E3<br>C971      * E3<br>C972      * E3<br>C973      E3<br>C974      D3<br>C975      * E3<br>C976      * E3<br>C977      * E3<br>C978      E3<br>C979      * D3<br>C980      D3<br>C981      * D3<br>C982      D3<br>C983      D3<br>C984      * D3<br>C985      D3<br>C986      * D3<br>C987      * D3<br>C988      * D3<br>C989      * D3<br>C990      * D3<br>C991      * D3<br>C992      * D3<br>C993      * D3<br>C2001      C1<br>C2013      D3<br>C2014      D3<br>C2015      D3<br>C2016      D3 | CL201      A2<br>CL202      A1<br>CL203      A1<br>CL301      C2<br>CL302      C2<br>CL303      C2<br>CL304      B2<br>CL305      C2<br>CL306      B2<br>CL307      B2<br>CL308      B2<br>CL309      B2<br>CL310      B2<br>CL311      B2<br>CL312      B2<br>CL313      B2<br>CL314      * C3<br>CL315      * B2<br>CL401      C1<br>CL402      C1<br>CL403      C1<br>CL404      C1<br>CL405      C1<br>CL406      C1<br>CL407      C1<br>CL408      C1<br>CL601      E3<br>CL602      D2<br>CL603      D2<br>CL605      E2<br>CL606      E2<br>CL607      D3<br>CL608      D3<br>CL610      D2<br>CL611      D2<br>CL612      D2<br>CL613      D2<br>CL614      D2<br>CL615      * B3<br>CL701      * E2 | CL201      A2<br>CL202      A1<br>CL203      A1<br>CL301      C2<br>CL302      C2<br>CL303      C2<br>CL304      B2<br>CL305      C2<br>CL306      B2<br>CL307      B2<br>CL308      B2<br>CL309      B2<br>CL310      B2<br>CL311      B2<br>CL312      B2<br>CL313      B2<br>CL314      * C3<br>CL315      * B2<br>CL401      C1<br>CL402      C1<br>CL403      C1<br>CL404      C1<br>CL405      C1<br>CL406      C1<br>CL407      C1<br>CL408      C1<br>CL601      E3<br>CL602      D2<br>CL603      D2<br>CL605      E2<br>CL606      E2<br>CL607      D3<br>CL608      D3<br>CL610      D2<br>CL611      D2<br>CL612      D2<br>CL613      D2<br>CL614      D2<br>CL615      * B3<br>CL701      * E2 | CL201      A2<br>CL202      A1<br>CL203      A1<br>CL301      C2<br>CL302      C2<br>CL303      C2<br>CL304      B2<br>CL305      C2<br>CL306      B2<br>CL307      B2<br>CL308      B2<br>CL309      B2<br>CL310      B2<br>CL311      B2<br>CL312      B2<br>CL313      B2<br>CL314      * C3<br>CL315      * B2<br>CL401      C1<br>CL402      C1<br>CL403      C1<br>CL404      C1<br>CL405      C1<br>CL406      C1<br>CL407      C1<br>CL408      C1<br>CL601      E3<br>CL602      D2<br>CL603      D2<br>CL605      E2<br>CL606      E2<br>CL607      D3<br>CL608      D3<br>CL610      D2<br>CL611      D2<br>CL612      D2<br>CL613      D2<br>CL614      D2<br>CL615      * B3<br>CL701      * E2 | CL201      A2<br>CL202      A1<br>CL203      A1<br>CL301      C2<br>CL302      C2<br>CL303      C2<br>CL304      B2<br>CL305      C2<br>CL306      B2<br>CL307      B2<br>CL308      B2<br>CL309      B2<br>CL310      B2<br>CL311      B2<br>CL312      B2<br>CL313      B2<br>CL314      * C3<br>CL315      * B2<br>CL401      C1<br>CL402      C1<br>CL403      C1<br>CL404      C1<br>CL405      C1<br>CL406      C1<br>CL407      C1<br>CL408      C1<br>CL601      E3<br>CL602      D2<br>CL603      D2<br>CL605      E2<br>CL606      E2<br>CL607      D3<br>CL608      D3<br>CL610      D2<br>CL611      D2<br>CL612      D2<br>CL613      D2<br>CL614      D2<br>CL615      * B3<br>CL701      * E2 | CL201      A2<br>CL202      A1<br>CL203      A1<br>CL301      C2<br>CL302      C2<br>CL303      C2<br>CL304      B2<br>CL305      C2<br>CL306      B2<br>CL307      B2<br>CL308      B2<br>CL309      B2<br>CL310      B2<br>CL311      B2<br>CL312      B2<br>CL313      B2<br>CL314      * C3<br>CL315      * B2<br>CL401      C1<br>CL402      C1<br>CL403      C1<br>CL404      C1<br>CL405      C1<br>CL406      C1<br>CL407      C1<br>CL408      C1<br>CL601      E3<br>CL602      D2<br>CL603      D2<br>CL605      E2<br>CL606      E2<br>CL607      D3<br>CL608      D3<br>CL610      D2<br>CL611      D2<br>CL612      D2<br>CL613      D2<br>CL614      D2<br>CL615      * B3<br>CL701      * E2 | CL201      A2<br>CL202      A1<br>CL203      A1<br>CL301      C2<br>CL302      C2<br>CL303      C2<br>CL304      B2<br>CL305      C2<br>CL306      B2<br>CL307      B2<br>CL308      B2<br>CL309      B2<br>CL310      B2<br>CL311      B2<br>CL312      B2<br>CL313      B2<br>CL314      * C3<br>CL315      * B2<br>CL401      C1<br>CL402      C1<br>CL403      C1<br>CL404      C1<br>CL405      C1<br>CL406      C1<br>CL407      C1<br>CL408      C1<br>CL601      E3<br>CL602      D2<br>CL603      D2<br>CL605      E2<br>CL606      E2<br>CL607      D3<br>CL608      D3<br>CL610      D2<br>CL611      D2<br>CL612      D2<br>CL613      D2<br>CL614      D2<br>CL615 |
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|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|--------|------|---------------------------------------------|-----|------|
| IC221 | A2   | L106 | * A3 | Q906 | * D3 | R125 | * E1 | R213 | A1   | R296 | * A1 | R381 | A1   | R464 | * B2 | R553 | C2   | R681 | * D2 | R806 | D3   | R922  | * D3 | RB115 | B3   | RB422 | D2   | RB642 | * C3 | RB805  | D3   | <b>DR-657S</b><br>1-885-989-12<br>*: B SIDE |     |      |
| IC222 | A2   | L107 | * E1 | Q907 | * D3 | R126 | * E1 | R214 | A1   | R297 | A2   | R382 | A1   | R465 | * C2 | R554 | C2   | R682 | * D2 | R807 | D3   | R923  | * D3 | RB116 | C3   | RB423 | D2   | RB643 | * C3 | RB806  | C3   |                                             |     |      |
| IC223 | A1   | L108 | * E1 | Q908 | * D3 | R127 | * E1 | R215 | A1   | R298 | * A2 | R383 | A2   | R466 | * C2 | R555 | C2   | R683 | * D3 | R808 | D3   | R924  | * D3 | RB117 | C3   | RB424 | D3   | RB644 | * C3 | RB807  | D3   |                                             |     |      |
| IC224 | A1   | L109 | D1   | Q909 | D3   | R128 | * E1 | R216 | A1   | R299 | A1   | R384 | A2   | R467 | * C2 | R556 | C3   | R684 | * D2 | R809 | D3   | R925  | * D3 | RB118 | B3   | RB425 | C3   | RB645 | * B3 | RB808  | D3   |                                             | C1  | B3   |
| IC225 | A1   | L110 | D1   | Q910 | D3   | R129 | * E1 | R217 | A2   | R300 | * A1 | R385 | * A1 | R468 | C2   | R557 | * D3 | R685 | * D3 | R810 | D3   | R926  | D3   | RB119 | B3   | RB426 | C3   | RB646 | D3   | RB809  | D3   |                                             | C2  | B2   |
| IC226 | A1   | L111 | A2   | Q911 | D3   | R130 | * D1 | R218 | A2   | R301 | A2   | R386 | * A1 | R469 | C2   | R558 | C2   | R686 | E2   | R811 | D3   | R927  | D3   | RB120 | B3   | RB427 | B1   | RB701 | D2   | RB902  | E3   |                                             | C3  | B3   |
| IC227 | * B1 | L201 | * A2 |      |      | R131 | * D1 | R219 | A2   | R302 | A1   | R387 | * A2 | R470 | B3   | R559 | C2   | R687 | * C3 | R812 | D3   | R928  | * D3 | RB121 | B3   | RB428 | B1   | RB702 | D2   | RB903  | * E3 |                                             | C4  | B4   |
| IC228 | * B1 | L202 | A2   | R41  | * B3 | R132 | * D1 | R220 | A2   | R303 | A2   | R388 | * A2 | R471 | B3   | R560 | * C1 | R688 | C3   | R813 | D3   | R929  | D3   | RB301 | * C2 | RB429 | * C1 | RB703 | D1   | RB904  | D3   |                                             | C5  | A1   |
| IC229 | * B1 | L203 | * A2 | R42  | * B3 | R133 | * D1 | R221 | A1   | R304 | A1   | R389 | * A2 | R472 | B3   | R561 | * C1 | R689 | D3   | R814 | * D3 | R930  | * D3 | RB302 | B3   | RB430 | C2   | RB704 | D1   | RB905  | D3   |                                             | C6  | A1   |
| IC230 | * B1 | L204 | A2   | R51  | * B3 | R134 | D1   | R222 | A1   | R305 | A2   | R390 | * A2 | R473 | * B2 | R562 | C2   | R694 | E3   | R815 | * C3 | R931  | * D3 | RB303 | C2   | RB431 | C2   | RB705 | E2   | RB906  | * D3 |                                             | C7  | A1   |
| IC301 | B2   | L205 | * A1 | R52  | * B2 | R135 | D1   | R223 | A1   | R306 | A1   | R391 | A1   | R474 | * C2 | R563 | C2   | R701 | * D2 | R816 | * C3 | R932  | * D3 | RB304 | C2   | RB432 | * C1 | RB706 | E2   |        |      |                                             | C8  | B3   |
| IC302 | A3   | L206 | A1   | R53  | * D1 | R136 | D1   | R224 | A1   | R307 | A2   | R392 | * A1 | R475 | * C2 | R564 | * C1 | R702 | * E2 | R817 | * C3 | R933  | * D3 | RB305 | * C2 | RB433 | * B1 | RB707 | E1   | S401   | B1   |                                             | C9  | B5   |
| IC304 | B2   | L207 | * A1 | R54  | * D1 | R137 | D1   | R225 | A2   | R308 | A1   | R393 | A1   | R476 | * C2 | R565 | * C1 | R703 | * D2 | R818 | * D3 | R934  | D3   | RB306 | * C2 | RB434 | * C1 | RB708 | E1   |        |      |                                             | C10 | B5   |
| IC305 | * B2 | L208 | A1   | R55  | * B2 | R138 | D1   | R226 | A2   | R309 | A2   | R394 | A1   | R477 | * C2 | R566 | * C2 | R704 | * D2 | R819 | * C3 | R935  | D3   | RB307 | * C2 | RB435 | B1   | RB709 | * E2 | THP101 | * B3 |                                             | C11 | B5   |
| IC306 | * C3 | L209 | * A2 | R56  | * B2 | R139 | D1   | R227 | A2   | R310 | A2   | R395 | A1   | R478 | * C2 | R567 | * C2 | R705 | * E2 | R820 | * B3 | R936  | * D3 | RB308 | C2   | RB436 | C1   | RB710 | * E2 | THP102 | * D1 |                                             | C12 | B5   |
| IC307 | A3   | L210 | * A1 | R57  | * B2 | R140 | D1   | R228 | A2   | R311 | A1   | R396 | A1   | R479 | * C2 | R568 | B2   | R706 | * E2 | R821 | * C3 | R937  | * D3 | RB309 | C2   | RB437 | C1   | RB711 | * E1 | THP103 | * B2 |                                             | C13 | A1   |
| IC308 | B3   | L211 | * A1 | R58  | * E1 | R141 | D1   | R229 | A1   | R312 | A1   | R397 | * B2 | R480 | * C2 | R569 | B2   | R707 | * E2 | R822 | * D3 | R938  | D3   | RB310 | B3   | RB438 | C1   | RB712 | * E1 | THP104 | * D1 |                                             | C14 | A1   |
| IC401 | C1   | L212 | A1   | R59  | * B2 | R142 | D1   | R230 | A1   | R313 | A2   | R398 | * A2 | R481 | B2   | R570 | B2   | R708 | * E2 | R823 | * C3 | R939  | * D3 | RB311 | C3   | RB501 | C1   | RB713 | * D2 | THP105 | * D1 |                                             | C15 | A1   |
| IC402 | * C2 | L213 | * A1 | R60  | * B3 | R143 | D1   | R231 | A1   | R314 | A1   | R399 | * B2 | R482 | B2   | R571 | B2   | R709 | * D2 | R824 | * B3 | R940  | D3   | RB312 | B3   | RB502 | * B1 | RB714 | * D2 |        |      |                                             | C16 | A1   |
| IC403 | C2   | L214 | A1   | R61  | * E1 | R144 | * D1 | R232 | A1   | R315 | A2   | R400 | * A2 | R483 | B2   | R572 | C2   | R710 | * D2 | R825 | * C3 | R941  | D3   | RB313 | B2   | RB503 | C1   | RB715 | * D1 | TP31   | * B3 |                                             | C17 | * B3 |
| IC404 | C2   | L215 | * A1 | R62  | * B2 | R145 | D1   | R233 | A2   | R316 | A1   | R401 | A1   | R484 | B2   | R573 | C2   | R711 | * D2 | R826 | * C3 | R942  | * D3 | RB314 | C3   | RB504 | C2   | RB716 | * D1 | TP61   | * D3 |                                             | C18 | A1   |
| IC405 | * C3 | L216 | A2   | R63  | * B3 | R146 | * D1 | R234 | A2   | R317 | A2   | R402 | A1   | R485 | B2   | R574 | C2   | R712 | E1   | R827 | * C3 | R943  | D3   | RB315 | C3   | RB505 | * C1 | RB717 | E2   | TP62   | * E3 |                                             | C19 | B3   |
| IC406 | * C1 | L217 | A2   | R64  | * E1 | R147 | D1   | R235 | A1   | R318 | A2   | R403 | B2   | R486 | B2   | R575 | * C1 | R713 | * E1 | R828 | * C3 | R944  | D3   | RB316 | C3   | RB506 | * B1 | RB718 | E2   | TP63   | * C3 |                                             | C20 | A1   |
| IC501 | C1   | L218 | * A1 | R65  | * B2 | R148 | * D1 | R236 | A1   | R319 | A1   | R404 | A2   | R487 | B2   | R576 | C1   | R715 | E2   | R829 | * C3 | R945  | * D3 | RB317 | B2   | RB507 | * B1 | RB719 | E2   | TP64   | * E2 |                                             | C21 | A1   |
| IC502 | B1   | L401 | * C2 | R66  | * A3 | R149 | * D1 | R237 | A2   | R320 | A1   | R405 | B2   | R488 | * B3 | R577 | C1   | R716 | * D2 | R830 | * B3 | R946  | * D3 | RB318 | B2   | RB508 | * C1 | RB720 | * E2 | TP65   | C3   |                                             | C22 | B3   |
| IC503 | B1   | L402 | * C2 | R67  | * A3 | R150 | * C3 | R238 | A2   | R321 | A2   | R406 | A2   | R489 | A3   | R601 | B1   | R717 | D2   | R831 | * B3 | R947  | * D3 | RB319 | B2   | RB509 | * B1 | RB721 | D2   | TP66   | * D3 |                                             | C23 | B5   |
| IC504 | B1   | L403 | C2   | R68  | * B3 | R151 | * B3 | R239 | A2   | R322 | A1   | R407 | A1   | R490 | C3   | R602 | * C1 | R718 | * D2 | R832 | * C3 | R948  | D3   | RB320 | B2   | RB510 | B1   | RB723 | D2   | TP801  | * D3 |                                             | C24 | A1   |
| IC505 | C1   | L404 | C2   | R69  | * E1 | R152 | * B3 | R240 | A2   | R325 | A1   | R408 | A1   | R491 | * B2 | R603 | * C1 | R719 | D2   | R833 | * C3 | R949  | * D3 | RB321 | B2   | RB511 | B1   | RB724 | * E2 | TP802  | * C3 |                                             | C25 | B3   |
| IC506 | * C1 | L405 | C2   | R70  | * B2 | R153 | * B3 | R241 | A1   | R326 | A1   | R409 | A1   | R492 | B3   | R604 | * C1 | R720 | * D1 | R834 | * C3 | R950  | * D3 | RB322 | B2   | RB512 | B1   | RB725 | E2   | TP803  | * B3 |                                             | C26 | B2   |
| IC507 | * C1 | L406 | C3   | R71  | * B3 | R154 | * B3 | R242 | A1   | R327 | A1   | R410 | A1   | R493 | * B3 | R605 | * C1 | R751 | E2   | R835 | * C3 | R951  | * D3 | RB323 | * B2 | RB513 | * C1 | RB726 | * E2 | TP804  | * C3 |                                             | C27 | B2   |
| IC508 | * C1 | L407 | * C3 | R72  | * E1 | R155 | * B3 | R243 | A1   | R328 | A1   | R411 | A1   | R494 | * B2 | R606 | * C1 | R752 | E3   | R836 | * C3 | R952  | * D3 | RB324 | * B2 | RB514 | * C1 | RB727 | D2   | TP901  | D3   |                                             | C28 | * B2 |
| IC509 | C2   | L408 | * C2 | R73  | * B2 | R156 | * B3 | R244 | A1   | R329 | A1   | R412 | A2   | R501 | * C2 | R607 | * C1 | R753 | E2   | R837 | * C3 | R953  | * D3 | RB325 | B3   | RB515 | B1   | RB728 | D2   | TP902  | * D3 |                                             | C29 | B3   |
| IC510 | C2   | L801 | * E2 | R74  | * B3 | R157 | * B3 | R245 | A2   | R330 | A1   | R413 | A2   | R502 | * C2 | R608 | * C1 | R754 | E2   | R838 | * C3 | R954  | * D3 | RB326 | B3   | RB516 | B1   | RB729 | * D2 |        |      |                                             | C30 | B5   |
| IC601 | D2   | L802 | * E2 | R75  | * D1 | R158 | * B3 | R246 | A2   | R331 | A2   | R414 | * A2 | R503 | * C2 | R610 | C1   | R755 | * E2 | R839 | * C3 | R955  | * D3 | RB327 | B2   | RB517 | B1   | RB730 | * D2 | X901   | * D3 |                                             | C31 | * B2 |
| IC602 | * E3 | L803 | E2   | R76  | * B2 | R159 | * B3 | R247 | A1   | R332 | A2   | R415 | * A2 | R504 | * C2 | R611 | * C1 | R756 | E3   | R840 | * B3 | R956  | * D3 | RB328 | A3   | RB518 | * C1 | RB731 | * E2 | X902   | * D3 |                                             | C32 | A2   |
| IC603 | * E3 | L804 | D3   | R77  | * B2 | R160 | * B3 | R248 | A2   | R333 | A1   | R416 | * A2 | R505 | * C2 | R612 | C1   | R757 | E3   | R841 | * B3 | R957  | * D3 | RB329 | A3   | RB519 | * C1 | RB732 | * D2 | X903   | D3   |                                             | C33 | B3   |
| IC604 | * E3 | L805 | D3   | R78  | * E1 | R161 | B3   | R249 | * A2 | R334 | A1   | R417 | * A2 | R506 | * C2 | R613 | C1   | R758 | E3   | R842 | * B3 | R958  | * D3 | RB330 | * B2 | RB520 | C1   | RB733 | E2   |        |      |                                             | C34 | A4   |
| IC605 | * D3 | L806 | D3   | R79  | * B2 | R162 | * C1 | R250 | * A2 | R335 | A1   | R418 | * B2 | R507 | C2   | R614 | B1   | R759 | E2   | R843 | * C3 | R959  | * D3 | RB331 | A3   | RB521 | C1   | RB734 | E2   |        |      |                                             | C35 | B5   |
| IC606 | E3   | L807 | * D3 | R80  | * B3 | R163 | * C1 | R251 | * A1 | R336 | A1   | R419 | * A2 | R508 | C2   | R615 | C1   | R760 | E2   | R844 | * C3 | R960  | * D3 | RB332 | A3   | RB522 | * C1 | RB735 | E2   |        |      |                                             | C36 | * A4 |
| IC607 | E3   | L808 | * C3 | R81  | * B3 | R164 | * C1 | R252 | * A1 | R337 | A1   | R420 | * B2 | R509 | C2   | R616 | C1   | R761 | E2   | R845 | * C3 | R961  | * D3 | RB333 | * C3 | RB523 | C1   | RB736 | E2   |        |      |                                             | C37 | B4   |
| IC701 | * E2 | L809 | * B3 | R82  | * B3 | R165 | * C1 | R253 | * A2 | R338 | A1   | R421 | * A2 | R510 | C2   | R617 | C2   | R762 | E2   | R846 | * C3 | R962  | * D3 | RB334 | B3   | RB524 | * C1 | RB737 | D2   |        |      |                                             | C38 | B1   |
| IC702 | D1   | L810 | * C3 | R83  | * E1 | R166 | * C1 | R254 | * A2 | R339 | A1   | R422 | A2   | R511 | C2   | R618 | * B1 | R763 | * E2 | R847 | * C3 | R963  | * D3 | RB335 | C2   | RB525 | C2   | RB738 | D2   |        |      |                                             | C39 | * B1 |
| IC703 | * E1 | L811 | * C3 | R84  | * B2 | R167 | * C1 | R255 | * A1 | R340 | A1   | R423 | B2   | R512 | C2   | R619 | B1   | R764 | E2   | R848 | * B3 | R964  | * D3 | RB336 | C2   | RB601 | * E3 | RB739 | D2   |        |      |                                             | C40 | * B2 |
| IC704 | D1   | L812 | * C3 | R85  | * A3 | R168 | * C3 | R256 | * A1 | R341 | A1   | R424 | B2   | R513 | * C2 | R620 | B1   | R765 | E2   | R849 | * C3 | R965  | D3   | RB337 | B2   | RB602 | * E3 | RB740 | D2   |        |      |                                             | C41 | * B5 |
| IC705 | * D1 | L813 | * B3 | R86  | * A3 | R169 | * B3 | R257 | * A2 | R342 | A1   | R425 | B2   | R514 | * C2 | R621 | B1   | R766 | E3   | R850 | * C3 | R1001 | A2   | RB338 | B2   | RB603 | * E2 | RB741 | D2   |        |      |                                             | C42 | * B2 |
| IC801 | E2   | L814 | * C3 | R87  | * A3 | R170 | B3   | R258 | * A2 | R343 | A1   | R426 | * B1 | R515 | C2   | R622 | B1   | R767 | * E3 | R851 | * B3 | R1002 | A2   | RB339 | * B2 | RB604 | * D3 | RB742 | D2   |        |      |                                             | C43 | * B2 |
| IC802 | E2   | L815 | * D3 | R88  | * A3 | R171 | B3   | R259 | * A2 | R344 | A1   | R427 | * B1 | R516 | C2   | R623 | B1   | R768 | * E2 | R852 | * C3 | R1003 | A2   | RB340 | B2   | RB605 | * E2 | RB743 | * D2 |        |      |                                             | C44 | B2   |
| IC803 | D3   | L816 | * C3 | R89  | B3   | R172 | B3   | R260 | * A2 | R345 | A1   | R428 | * B1 | R517 | * C2 | R624 | * B1 | R769 | * E3 | R853 | * C3 | R1004 | A2   | RB341 | * B2 | RB606 | * D2 | RB744 | D2   |        |      |                                             | C45 | * B2 |
| IC804 | * C3 | L817 | * B3 | R90  | E1   | R173 | B3   | R261 | * A1 |      |      |      |      |      |      |      |      |      |      |      |      |       |      |       |      |       |      |       |      |        |      |                                             |     |      |

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|-------|------|---------------------------------------------|------|--------|------|------|------|------|------|-------|------|-------|--------|-------|-------|--------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| R6023 | * A3 | <b>SDI-109</b><br>1-885-935-11<br>*: B SIDE | C156 | * B2   | C326 | * F4 | C412 | G4   | C731 | G2    | C858 | * F3  | CL1008 | * C4  | FB106 | E4     | IC615 | E3    | Q210  | B4   | R110 | D4   | R208 | * B3 | R514 | B1   | R614 | * D3 | R801 | * E2 | R885 | F2   |
| R6024 | * A3 |                                             | C157 | * B2   | C327 | * F4 | C500 | B1   | C732 | * D1  | C859 | * F3  | CL1009 | * C4  | FB107 | E4     | IC701 | G2    | Q211  | B4   | R111 | D4   | R213 | B2   | R515 | B1   | R615 | F1   | R802 | * E2 | R886 | F2   |
| R6025 | * B2 |                                             | C158 | A3     | C328 | * F3 | C501 | B1   | C733 | * D1  | C860 | * F2  | CL1100 | * E4  | FB108 | E4     | IC702 | G2    | Q212  | * B4 | R112 | * C3 | R214 | B2   | R516 | B1   | R616 | * D3 | R803 | * E2 | R887 | * F2 |
| R6026 | * B2 |                                             | C159 | A2     | C329 | * F3 | C502 | B1   | C734 | * D1  | C930 | B3    | CL1101 | * F4  | FB109 | E4     | IC704 | G2    | Q401  | G4   | R113 | * C3 | R215 | * B2 | R517 | * B4 | R618 | D3   | R804 | * E2 | R888 | * F2 |
| R6027 | * B2 |                                             | C1   | C2     | C160 | B3   | C330 | * F3 | C503 | B1    | C735 | * D1  | CL1102 | * F4  | FB110 | F4     | IC707 | * D1  | Q402  | G4   | R114 | * D3 | R216 | * B2 | R518 | B1   | R619 | D3   | R805 | * E2 | R889 | F3   |
| R6028 | * B2 |                                             | C2   | * C2   | C161 | B2   | C331 | * F4 | C504 | B1    | C736 | * D1  | C932   | C3    | FB112 | B2     | IC708 | G2    | Q403  | G4   | R115 | * D3 | R217 | * B2 | R519 | * B4 | R622 | * F3 | R806 | * E2 | R890 | F3   |
| R6029 | * B2 |                                             | C3   | * C2   | C162 | B2   | C332 | * E3 | C505 | B1    | C737 | G3    | C933   | C4    | FB113 | B2     | IC709 | * C2  | Q500  | * A1 | R116 | * C2 | R218 | * B2 | R520 | * C4 | R624 | D3   | R807 | * E2 | R891 | F2   |
| R6030 | * B2 |                                             | C4   | C2     | C163 | B3   | C333 | * E3 | C506 | B1    | C738 | * D1  | C937   | C3    | FB114 | A2     | IC800 | F2    | Q600  | D3   | R117 | D3   | R219 | * B2 | R521 | * C4 | R625 | * D3 | R808 | * E2 | R892 | F2   |
| R6031 | B1   |                                             | C5   | * C2   | C164 | B3   | C334 | * E4 | C507 | C1    | C739 | * C2  | C1000  | D4    | FB115 | A2     | IC802 | * G2  | Q700  | * F2 | R118 | D3   | R220 | * B2 | R522 | B1   | R626 | * F3 | R809 | E2   | R893 | F2   |
| R6032 | A1   |                                             | C6   | * C2   | C165 | * E2 | C335 | * F3 | C508 | * A1  | C740 | * C2  | C1001  | D4    | FB116 | * F4   | IC803 | F2    | Q701  | * F2 | R119 | D4   | R221 | B4   | R523 | B1   | R627 | * F3 | R810 | E2   | R894 | F2   |
| R6033 | * B1 |                                             | C7   | * C2   | C166 | * A2 | C336 | * E4 | C509 | * A1  | C741 | * C1  | C1002  | D4    | FB117 | * E2   | IC805 | F2    | Q702  | * F1 | R120 | D4   | R222 | * B4 | R524 | * A1 | R628 | * F3 | R811 | E2   | R895 | F3   |
| R6034 | * B3 |                                             | C8   | * C2   | C167 | * A2 | C337 | * E4 | C510 | * A1  | C742 | * C1  | C1003  | * D4  | FB118 | * E2   | IC806 | * G3  | Q800  | * E2 | R121 | D3   | R223 | B4   | R525 | B1   | R629 | * F3 | R812 | E2   | R896 | F3   |
| R6035 | * B3 |                                             | C9   | * C2   | C168 | * A2 | C338 | * F3 | C511 | * A1  | C743 | * D1  | C1004  | D4    | FB119 | * E2   | IC807 | * G2  | Q801  | * E2 | R122 | E4   | R224 | * B4 | R526 | * A1 | R630 | D4   | R813 | * G2 | R897 | F2   |
| R6036 | * B3 |                                             | C10  | C2     | C169 | * A2 | C339 | * F3 | C512 | * A1  | C744 | * D1  | C1005  | D4    | FB120 | * C3   | IC808 | * G2  | Q802  | * E2 | R123 | * D3 | R225 | * A4 | R527 | * A1 | R632 | * D3 | R814 | * G2 | R898 | F2   |
| R6037 | A1   |                                             | C11  | C2     | C170 | A3   | C340 | * E4 | C513 | * A1  | C745 | * C1  | C1006  | * D4  | FB121 | C3     | IC812 | F2    | Q803  | * E2 | R124 | * D3 | R226 | * B4 | R528 | * A1 | R633 | * D3 | R815 | * E2 | R899 | F2   |
| R6038 | * B3 |                                             | C12  | C2     | C171 | * A2 | C341 | * E4 | C514 | A1    | C746 | * C1  | C1007  | * D4  | FB122 | C3     | IC813 | F3    | Q804  | * G2 | R125 | D3   | R227 | * A4 | R529 | * A1 | R634 | * D3 | R816 | G2   | R948 | C3   |
| R6039 | * B3 | C13                                         | C2   | C172   | A2   | C342 | * E4 | C515 | * A1 | C747  | * C1 | C1008 | D4     | FB123 | C3    | IC904  | B4    | Q805  | * G2  | R126 | D2   | R228 | * A4 | R530 | * A1 | R635 | D3   | R817 | * E2 | R949 | C3   |      |
| R6040 | * A3 | C14                                         | C2   | C174   | * E2 | C343 | * E4 | C516 | * A1 | C748  | * C1 | C1009 | D4     | FB124 | C3    | IC908  | C3    | Q806  | * G2  | R127 | E4   | R229 | * B4 | R531 | * A1 | R636 | * F3 | R818 | * G2 | R950 | B3   |      |
| R6041 | * B3 | C15                                         | * C2 | C175   | B4   | C344 | * F4 | C517 | * A2 | C749  | * C1 | C1010 | D4     | FB125 | B3    | IC1001 | * D4  | Q807  | * G2  | R128 | * D4 | R230 | * B4 | R532 | * A1 | R700 | F3   | R819 | * G2 | R951 | B3   |      |
| R6042 | * B3 | C16                                         | * C2 | C176   | B1   | C345 | * F4 | C518 | * A1 | FB750 | * C1 | C1011 | C4     | FB200 | * B3  | IC1003 | D4    | Q808  | G3    | R129 | * D3 | R231 | * B4 | R533 | * A1 | R701 | F3   | R820 | G2   | R952 | B4   |      |
| R6043 | * B3 | C17                                         | * C2 | C177   | * C2 | C346 | * F4 | C519 | * B4 | C751  | * C2 | C1012 | C4     | FB201 | B3    | IC1101 | F4    | Q809  | F3    | R130 | * D3 | R232 | B4   | R534 | * A1 | R702 | F3   | R821 | G2   | R953 | C4   |      |
| R6044 | * A3 | C20                                         | * D2 | C178   | C3   | C347 | * F4 | C520 | * C4 | C761  | * F3 | C1013 | C4     | FB300 | E4    | IC1102 | F4    | Q810  | F2    | R131 | * D3 | R233 | B4   | R535 | * A1 | R703 | F3   | R822 | G2   | R955 | E3   |      |
| R6045 | * A3 | C21                                         | * D2 | C179   | * C2 | C348 | * F4 | C521 | * C4 | C762  | * F3 | C1018 | D4     | FB301 | E4    | IC1103 | F4    | Q811  | F3    | R132 | * C2 | R234 | B4   | R536 | * A1 | R704 | F3   | R823 | * F2 | R956 | C3   |      |
| R6046 | * A3 | C22                                         | * D2 | C180   | * C3 | C349 | * F4 | C522 | * A2 | C763  | * F3 | C1019 | D4     | FB400 | G4    | IC1111 | F4    | Q812  | F2    | R133 | * C2 | R235 | B4   | R537 | * A2 | R705 | F3   | R824 | E2   | R957 | E3   |      |
| R6047 | * A3 | C23                                         | * D2 | C181   | * C3 | C350 | * E3 | C523 | * A1 | C764  | * F3 | C1020 | C4     | FB401 | * F4  | IC1122 | E4    | Q813  | F2    | R134 | C3   | R236 | B4   | R538 | * A1 | R706 | F3   | R825 | * G2 | R958 | * E3 |      |
| R6048 | * A3 | C24                                         | C2   | C182   | * C3 | C351 | * F3 | C524 | B1   | C800  | * E2 | C1100 | F4     | FB601 | * F1  | L1     | C2    | Q1100 | * F1  | R135 | * C3 | R237 | B4   | R539 | * A1 | R707 | F3   | R826 | * F2 | R959 | C3   |      |
| R6049 | B1   | C25                                         | D2   | C183   | * C3 | C352 | * E3 | C525 | * B1 | C801  | * E2 | C1101 | F4     | FB702 | * D2  |        | D205  | B2    | Q1101 | * E1 | R136 | C3   | R238 | * B4 | R540 | * A1 | R708 | * F1 | R827 | * F2 | R960 | E3   |
| R6050 | B1   | C26                                         | D2   | C184   | C3   | C353 | * E4 | C526 | * B1 | C802  | * E2 | C1102 | G4     | FB703 | * C1  |        | D206  | B2    | Q1102 | * F1 | R137 | C4   | R239 | B4   | R541 | * C4 | R709 | * F1 | R828 | F2   | R962 | C3   |
| R6051 | B1   | C100                                        | D3   | C185   | C3   | C354 | * E4 | C527 | * B4 | C803  | E2   | C1103 | G4     | FB704 | * C2  |        | D207  | * A4  | Q1103 | * E1 | R138 | C4   | R240 | B4   | R542 | * C4 | R710 | * D1 | R829 | F2   | R963 | C3   |
| R6052 | B1   | C101                                        | D4   | C186   | C3   | C355 | * E3 | C528 | * B1 | C804  | E2   | C1104 | G4     | FB800 | * G2  |        | D208  | * A4  | Q1104 | * F1 | R139 | B2   | R241 | B4   | R543 | * A1 | R715 | * F1 | R830 | F2   | R964 | C3   |
| R6053 | B1   | C102                                        | C2   | C187   | C3   | C356 | * F3 | C529 | * C4 | C805  | E2   | C1105 | * F4   | FB801 | F2    |        | D209  | * B4  | Q1105 | * E1 | R140 | B2   | R245 | * B4 | R544 | * A1 | R716 | * F1 | R831 | E2   | R966 | C3   |
| R6054 | B1   | C103                                        | D3   | C188   | C3   | C357 | * F3 | C530 | * B4 | C806  | E2   | C1106 | * E4   | FB802 | E2    |        | D210  | * A4  | Q1106 | * F4 | R141 | C4   | R246 | B4   | R545 | * A1 | R719 | * F1 | R832 | * F2 | R967 | C3   |
| R6055 | A1   | C104                                        | D4   | C189</ |      |      |      |      |      |       |      |       |        |       |       |        |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |

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|-----------|-----------|-----------|------------|-----------|----------|------------|------------|------------|------------|-----------|-----------|----------|----------|----------|----------|----------|
| C1563 *C2 | C1821 *B2 | C1946 *B2 | CL102 *E3  | D802 *E2  | FB30 *E3 | FB151 E3   | FB1601 C2  | IC702 D3   | IC1419 *D3 | Q113 *D2  | Q1809 B2  | R7 *E1   | R319 D1  | R511 D3  | R605 *A2 | R688 E2  |
| C1564 C2  | C1822 *B2 | C1947 B2  | CL103 *D3  | D803 *E2  | FB31 *E2 | FB301 *D1  | FB1803 *B2 | IC703 *D3  | IC1501 *C2 | Q301 *E1  | Q1810 B2  | R8 *E1   | R320 *D2 | R512 D3  | R606 E1  | R689 *E2 |
| C1565 C2  | C1823 *B2 | C1948 *B2 | CL104 *C3  | D804 *E2  | FB32 *E3 | FB303 *D1  | FB1901 *B2 | IC704 D3   | IC1502 *C2 | Q302 *D1  | Q1812 *B2 | R101 *D3 | R321 *D2 | R513 *D1 | R607 E1  | R701 *D3 |
| C1566 *C2 | C1824 C2  | C1949 B2  | CL105 *C3  | D805 *E2  | FB33 *E2 | FB304 *D1  | FB2001 B1  | IC705 C3   | IC1503 *C1 | Q303 *A3  | Q1813 *B2 | R102 *D3 | R322 *D2 | R514 *D1 | R608 E1  | R702 *D3 |
| C1567 *C2 | C1825 C2  | C1950 C2  | CL106 *E1  | D806 *E2  | FB34 *E3 | FB305 B3   |            | IC706 *D3  | IC1504 C1  | Q304 D1   | Q1814 *B2 | R103 *D3 | R323 *D2 | R515 *E3 | R609 E3  | R703 *D3 |
| C1568 *C2 | C1826 B2  | C1951 B2  | CL107 *C3  | D807 E3   | FB35 *E2 | FB306 A3   | FL1201 B3  | IC707 *D3  | IC1505 C1  | Q601 E1   | Q1815 B2  | R104 D3  | R324 *D1 | R516 *E3 | R610 B3  | R704 *D3 |
| C1569 *C2 | C1827 *B2 | C1952 *C2 | CL108 *D2  | D808 E3   | FB36 *E1 | FB307 E1   | FL1202 B3  | IC708 B1   | IC1506 C1  | Q602 E1   | Q1816 *B2 | R105 *D3 | R325 *D1 | R517 *E3 | R611 E1  | R705 *D3 |
| C1570 *C2 | C1828 *B2 | C1953 B2  | CL109 *D2  | D809 *E3  | FB37 E1  | FB308 E1   | FL1203 B3  | IC709 *E3  | IC1507 *C1 | Q603 E3   | Q1817 *B2 | R106 *E3 | R326 *D1 | R518 E3  | R612 E1  | R706 D3  |
| C1571 C2  | C1829 *B2 | C1954 *B2 | CL110 *C1  | D810 *E3  | FB38 E1  | FB309 E1   | FL1204 *B3 | IC710 B3   | IC1508 *C1 | Q604 *E1  | Q1818 *B2 | R107 *C3 | R327 *D1 | R519 E3  | R613 E1  | R707 *D3 |
| C1572 C2  | C1830 C2  | C1955 *B2 | CL1201 B2  | D811 A1   | FB39 *E1 | FB310 *D1  | FL1205 *A3 | IC711 *D3  | IC1509 *C1 | Q605 *E1  | Q1901 *A2 | R108 *E3 | R328 A3  | R520 E3  | R614 E1  | R708 *D3 |
| C1573 *C2 | C1831 B2  | C1956 B2  | CL202 B2   | D812 E3   | FB40 *E1 | FB401 C1   | FL1206 E1  | IC712 A2   | IC1510 *C1 | Q606 E1   | Q1902 A2  | R109 D3  | R329 A3  | R521 E3  | R615 *E1 | R709 *D3 |
| C1574 *C2 | C1832 B2  | C1957 *B2 | CL203 B2   | D1401 A3  | FB41 *A1 | FB402 *D1  | FL1207 *B3 | IC713 D3   | IC1511 *C2 | Q607 E1   | Q1903 A2  | R110 E3  | R330 B3  | R522 E3  | R616 E3  | R710 D3  |
| C1575 *C2 | C1833 *B2 | C1958 B2  | CL204 B2   | D1402 B1  | FB42 *B3 | FB403 *C1  | FL1208 *A3 | IC714 *D3  | IC1512 *C2 | Q608 *E1  | Q1904 *A2 | R111 E3  | R331 B3  | R523 E3  | R617 *A2 | R711 D3  |
| C1587 *C1 | C1834 *A2 | C2001 *C1 | CL205 B2   | D1403 B1  | FB43 *A3 | FB404 *C1  | FL1209 E1  | IC715 C3   | IC1513 C2  | Q609 *E2  | Q1905 *A2 | R112 D3  | R332 B3  | R524 E3  | R618 E1  | R712 *D3 |
| C1601 *C2 | C1835 *B2 | C2002 *B1 | CL206 B2   | D1404 B1  | FB44 A2  | FB571 *E2  | FL1210 *B3 | IC716 A3   | IC1514 C2  | Q610 *E2  | Q1906 *B2 | R113 D3  | R333 A3  | R525 *E3 | R619 E3  | R713 *D3 |
| C1602 C2  | C1836 *B2 | C2003 *B2 | CL207 B2   | D1405 B3  | FB45 A2  | FB701 D3   | FL1211 *A3 | IC801 E3   | IC1515 C2  | Q611 A1   | Q1907 B2  | R114 D3  | R335 *D2 | R526 *E3 | R620 *E1 | R714 *C3 |
| C1603 C2  | C1837 *B2 | C2004 *B1 | CL208 B2   | D1406 *D3 | FB46 *A2 | FB702 D3   | FL1212 E1  | IC802 A1   | IC1516 *C2 | Q701 B3   | Q1908 *B2 | R115 E3  | R336 *D2 | R527 *E3 | R621 *E1 | R715 *C3 |
| C1604 C2  | C1838 B2  | C2005 *B1 | CL209 C2   | D1407 *D3 | FB47 *A2 | FB703 D3   | FL1213 B3  | IC803 E2   | IC1518 *C2 | Q702 B3   | Q1909 B2  | R116 D3  | R337 *D2 | R528 *D3 | R622 *E1 | R716 C3  |
| C1605 C2  | C1839 B2  | C2006 *B1 | CL210 B2   | D1501 *C1 | FB48 *A2 | FB704 D3   | FL1301 C3  | IC804 *A1  | IC1601 *C2 | Q703 A3   | Q1910 B2  | R117 D3  | R338 *D2 | R529 *E3 | R623 B3  | R717 C3  |
| C1606 C2  | C1840 *B2 | C2007 *B1 | CL301 *D1  | D1502 *C1 | FB49 *A1 | FB705 D3   |            | IC805 *E3  | IC1602 C2  | Q704 A3   | Q1911 *B2 | R118 D3  | R339 *D1 | R530 *E3 | R624 *E1 | R718 C3  |
| C1607 *C2 | C1841 *B2 | C2008 B1  | CL302 *D1  | D1503 *C1 | FB50 *A1 | FB706 C3   | IC101 *C3  | IC806 *E3  | IC1603 *C2 | Q705 B3   | Q1912 B2  | R119 E3  | R340 *D1 | R531 *E3 | R625 E3  | R719 *C3 |
| C1608 *C2 | C1843 B2  | C2009 B1  | CL303 *D2  | D1504 *C1 | FB51 *A1 | FB707 A2   | IC102 E1   | IC807 *E2  | IC1605 C2  | Q801 A1   | Q1913 *B2 | R120 E3  | R341 *E1 | R532 *E3 | R626 *A2 | R720 *C3 |
| C1609 *C2 | C1844 B2  | C2010 *B1 | CL801 *E3  | D1601 C2  | FB52 *A1 | FB801 E3   | IC103 *D2  | IC808 *E2  | IC1606 *C2 | Q1201 *B3 | Q1914 B2  | R121 *C3 | R342 *D1 | R533 *E3 | R627 *A2 | R721 C3  |
| C1610 *C2 | C1845 *B2 | C2011 *B1 | CL1501 *C2 | D1801 *B2 | FB53 *A1 | FB1001 E2  | IC104 *D2  | IC809 A1   | IC1607 C2  | Q1202 *B3 | Q1915 *C2 | R122 D3  | R343 *E1 | R534 *E3 | R628 *A2 | R722 C3  |
| C1611 *C2 | C1846 *B2 | C2012 B1  | CL1502 *C2 | D1901 *B2 | FB54 *A1 | FB1002 E2  | IC105 *D3  | IC810 A1   | IC1609 *C2 | Q1203 *B3 | Q1918 *B2 | R123 C3  | R348 A3  | R535 *D3 | R629 E1  | R723 C3  |
| C1612 *C2 | C1847 *B2 | C2013 B1  | CL1801 *B2 | D1902 *B2 | FB55 *A1 | FB1003 E2  | IC106 C3   | IC811 *E2  | IC1801 *B2 | Q1204 *B3 | Q1919 *B2 | R124 C3  | R349 A3  | R536 *E3 | R630 E1  | R724 D3  |
| C1613 *C2 | C1848 B2  | C2014 *B1 | CL1802 *B2 | D1903 *B2 | FB56 *A1 | FB1101 C1  | IC107 D3   | IC812 E3   | IC1802 B2  | Q1205 *B3 | Q1920 *B2 | R125 C3  | R350 D1  | R537 *D3 | R631 E1  | R725 D3  |
| C1614 C2  | C1849 *B2 | C2015 C1  | CL1901 *B2 | D1904 *B2 | FB57 *A1 | FB1102 D2  | IC108 D3   | IC813 A1   | IC1803 *C2 | Q1206 B3  | Q1921 *B2 | R126 *D3 | R351 D1  | R538 *E3 | R632 E2  | R726 D3  |
| C1615 C2  | C1850 B2  | C2016 *C1 | CL1902 *B2 | D1905 *B2 | FB58 *A1 | FB1103 *D1 | IC109 *C3  | IC1001 *D2 | IC1804 *C2 | Q1207 *B3 | Q1922 *B2 | R127 C3  | R352 D1  | R539 *E3 | R633 E2  | R727 C3  |
| C1616 *C2 | C1851 B2  | C2017 *C1 |            | D1906 *B2 | FB59 *A1 | FB1104 *E1 | IC301 *D2  | IC1002 E2  | IC1805 B2  | Q1208 *B3 | Q1923 *B2 | R128 *C3 | R353 D1  | R540 *E3 | R634 E3  | R728 D3  |
| C1617 C2  | C1852 B2  | C2018 C1  | CN1 *E3    | D2001 *B2 | FB60 *A1 | FB1105 D2  | IC302 D1   | IC1003 E2  | IC1806 *B2 | Q1209 *B3 | Q1924 *B2 | R129 *C3 | R370 *A2 | R541 *D3 | R635 B3  | R729 C3  |
| C1618 *C2 | C1853 *B2 | C2019 *C1 | CN2 *E2    | D2002 *B1 | FB61 *A3 | FB1106 E2  | IC303 B3   | IC1004 E2  | IC1807 B2  | Q1210 *B3 | Q2001 *B1 | R130 *C3 | R371 *A2 | R542 *D3 | R636 E3  | R730 C3  |
| C1619 *C2 | C1854 B2  | C2020 C1  | CN3 *E1    | D2003 B1  | FB62 *A3 | FB1107 E2  | IC305 *E1  | IC1005 *E2 | IC1808 B2  | Q1211 *B3 | Q2002 *B1 | R131 *C3 | R401 *C1 | R543 D3  | R637 B3  | R731 C3  |
| C1620 *C2 | C1855 B2  | C2021 C1  | CN4 *B1    | D2004 B1  | FB63 *A3 | FB1108 E2  | IC306 D1   | IC1102 *E1 | IC1809 *B2 | Q1212 B3  | Q2003 *B1 | R133 *C3 | R402 C1  | R544 D3  | R638 *E3 | R732 D3  |
| C1621 C2  | C1856 B2  | C2022 *C1 | CN5 *B1    | D2005 B1  | FB64 *A3 | FB1109 E2  | IC307 *D2  | IC1103 *E1 | IC1810 B2  | Q1213 B3  | Q2004 *B1 | R134 *E1 | R403 C1  | R545 *D3 | R639 *E3 | R733 D3  |
| C1622 C2  | C1857 *B2 | C2023 *B1 | CN6 *A2    | D2006 B1  | FB65 *A3 | FB1110 D2  | IC308 *D1  | IC1104 *E1 | IC1811 *B2 | Q1214 B3  | Q2005 *B1 | R135 *E1 | R412 C1  | R547 *D3 | R640 *E3 | R734 D3  |
| C1623 C2  | C1858 *B2 | C2024 *C1 | CN7 *A2    | D2007 *B1 | FB66 *A3 | FB1111 D2  | IC309 *D1  | IC1105 D2  | IC1901 *B2 | Q1215 B3  | Q2006 *B1 | R136 *E1 | R413 D1  | R548 *D3 | R641 *E3 | R735 D3  |
| C1624 C2  | C1859 *B2 | C2025 C1  | CN8 *A3    | D2008 *B1 | FB67 *A3 | FB1112 D2  | IC310 A3   | IC1106 D2  | IC1902 *B2 | Q1216 B3  | Q2007 *B1 | R137 *E1 | R414 C1  | R549 *D3 | R642 *E3 | R736 *D3 |
| C1625 C2  | C1860 *B2 | C2026 *C1 | CN9 *A3    | D2009 B1  | FB68 *A3 | FB1200 *C3 | IC311 D1   | IC1107 D2  | IC1906 B2  | Q1217 B3  | Q2008 *B1 | R138 *E1 | R415 D1  | R552 *D3 | R643 *E3 | R737 *D3 |
| C1626 C2  | C1861 *B2 | C2027 C1  | CN10 *B3   | D2010 B1  | FB69 *A3 | FB1201 *B3 | IC401 C1   | IC1108 *D2 | IC1907 *B2 | Q1218 B3  | Q2009 *B1 | R139 E1  | R416 C1  | R553 *D3 | R644 *E3 | R738 *C3 |
| C1627 C2  | C1862 *B2 | C2028 *C1 | CN11 *B3   | D2011 B1  | FB70 *A3 | FB1202 *B3 | IC402 D1   | IC1109 *E2 | IC1909 B2  | Q1219 B3  | Q2010 *B1 | R140 *E1 | R418 D1  | R554 *D3 | R645 *E2 | R739 *C3 |
| C1628 C2  | C1863 *B2 | C2029 *C1 | CN12 *B3   | D2012 B1  | FB71 *A3 | FB1203 *B3 | IC404 D1   | IC1110 *E2 | IC1911 *B2 | Q1220 B3  | Q2011 B1  | R141 E1  | R419 C1  | R555 *D3 | R646 *E2 | R740 D3  |
| C1629 C2  | C1864 *B2 | C2030 B1  | CN51 *A1   | D2013 *B1 | FB72 *A3 | FB1204 *B3 | IC405 D1   | IC1113 *D2 | IC1912 B2  | Q1221 B3  | Q2012 B1  | R142 E1  | R420 D1  | R556 *D3 | R647 *E2 | R741 D3  |
| C1630 C2  | C1865 *B2 | C2031 B2  | CN101 D3   | D2014 *B1 | FB73 *A3 | FB1205 *B3 | IC406 *D1  | IC1114 E2  | IC2001 *B1 | Q1222 B3  | Q2013 *B2 | R143 E1  | R421 C1  | R557 *D3 | R648 *E2 | R742 *D3 |
| C1631 C2  | C1866 B2  | C2032 B1  | CN102 E1   | D2015 *B1 | FB74 *A3 | FB1206 *B3 | IC409 *D1  | IC1115 *E1 | IC2002 *C1 | Q1223 B3  | Q2014 B1  | R144 *C3 | R422 C1  | R558 *D3 | R649 *E2 | R743 *C3 |
| C1632 C2  | C1901 A2  | C2033 *B1 | CN201 *D1  | D2016 *B1 | FB75 *A3 | FB1207 *B3 | IC410 *D1  | IC1116 *E1 | IC2003 C1  | Q1224 B3  | Q2017 B1  | R145 *C3 | R423 C1  | R559 *D3 | R650 *E2 | R744 D3  |
| C1633 C2  | C1902 A2  | C2034 *B1 | CN203 *D1  |           | FB76 B3  | FB1208 *B3 | IC501 *D3  | IC1201 *B3 | IC2005 *C1 | Q1301 *C3 | Q2018 B1  | R146 E1  | R424 C1  | R560 *D3 | R651 *E2 | R745 D3  |
| C1634 C2  | C1903 A2  | C2035 *B1 | CN204 *E1  | E1 E3     | FB77 B3  | FB1209 *B3 | IC502 *D3  | IC1202 *B3 | IC2006 *C1 | Q1302 *C3 | Q2019 C1  | R147 E1  | R425 C1  | R561 *D3 | R652 *B1 | R746 D3  |
| C1635 C2  | C1904 *A2 | C2036 B1  | CN205 *D1  | E2 C3     | FB78 *B3 | FB1210 *B3 | IC503 *E3  | IC1203 *B3 | IC2007 *B1 | Q1303 C3  | Q2020 *C1 | R148 E1  | R426 C1  | R562 *D3 | R653 *B1 | R747 A3  |
| C1636 C2  | C1905 *A2 | C2037 B1  | CN206 *B1  | E3 A2     | FB79 *B3 | FB1211 *B3 | IC504 *A1  | IC1204 *B3 | IC2008 *C1 | Q1304 C3  | Q2021 *C1 | R149 *C3 | R427 C1  | R563 *D3 | R654 *B1 | R748 A3  |
| C1637 C2  | C1906 A2  | C2038 *B1 |            | E4 *B1    | FB80 *B3 | FB1212 *B3 | IC506 *D3  | IC1205 B3  | IC2009 C1  | Q1405 A3  | Q2022 *C1 | R150 E1  | R428 C1  | R566 *D3 | R655 *B1 | R749 A2  |
| C1638 C2  | C1907 A2  | C2039 B1  | D1 B3      | E5 *C3    | FB81 *B3 | FB1213 *B3 | IC507 *E3  | IC1206 *B3 | IC2010 B1  | Q1406 B1  | Q2023 *C1 | R151 *C3 | R429 C1  | R567 *D3 | R656 *B1 | R750 A3  |
| C1639 *C2 | C1908 B2  | C2041 *B1 | D2 B3      | E6 *E3    | FB82 *A1 | FB1214 B3  | IC508 *D3  | IC1207 B3  |            | Q1407 B1  | Q2024 *C1 | R152 *C3 | R430 C1  | R571 *D3 | R657 *B1 | R751 A3  |
| C1640 *C2 | C1909 B2  | C2042 *B1 | D101 *D3   |           | FB83 A2  | FB1215 *B3 | IC510 *D3  | IC1208 *C3 | JC1802 *B2 | Q1408 B1  | Q2025 B1  | R153 *D2 | R431 C1  | R572 *D3 | R658 B1  | R752 A2  |
| C1641 *C2 | C1910 *B2 | C2043 B1  | D102 *E3   | FB1 E3    | FB84 A2  | FB1216 B3  | IC511 *D3  | IC1209 *B3 |            | Q1409 B1  | Q2026 *B1 | R154 *C3 | R432 *D1 | R573 *D3 | R659 *E2 | R753 A2  |
| C1642 *C2 | C1912 B2  | C2044 B1  | D103 *C3   | FB2 *E1   | FB85 *A2 | FB1217 *C3 | IC514 *D3  | IC1211 C3  | L1 B3      | Q1501 *C2 | Q2027 *B1 | R155 *D2 | R433 *D1 | R574 *D3 | R660 *E2 | R754 A3  |
| C1643 *C2 | C1913 *B2 | C2045 *B1 | D106 D3    | FB3 *E1   | FB86 *A2 | FB1218 *B3 | IC517 *D3  | IC1212 B3  | L101 *C3   | Q1502 *C2 | Q2028 *B1 | R156 *D2 | R434 *D1 | R575 *D3 | R661 *A1 | R755 A3  |
| C1644 C2  | C1914 *B2 | C2046 C1  | D107 C3    | FB4 *E2   | FB87 *A2 | FB1219 *B3 | IC518 *E3  | IC1301 *C3 | L102 E1    | Q1503 *C2 | Q2029 *B1 | R157 *D2 | R435 *D1 | R576 *E3 | R662 *A1 | R756 *E3 |
| C1645 C2  | C1915 *B2 | C2047 *C1 | D108 C3    | FB5 *E2   | FB88 *A2 | FB1220 *C3 | IC601 B3   | IC1302 *C3 | L103 C2    | Q1504 *C2 | Q2030 *B1 | R158 *D2 | R437 *C1 | R577 *A1 | R663 *A1 | R757 B1  |
| C1646 *C2 | C1916 *B2 | C2048 *C1 | D109 *D3   | FB6 *E2   | FB89 B1  | FB1221 *C3 | IC602 E3   | IC1303 B3  | L104 C2    | Q1505 *C2 | Q2031 *B1 | R159 *D2 | R438 *D1 | R578 *E3 | R664 *A1 | R758 B1  |
| C1647 *C2 | C1917 B2  | C2049 C1  | D110 *D3   | FB7 *E2   | FB90 B1  | FB1222 *B3 | IC603 E3   | IC1304 C3  | L105 D2    | Q1506 *C2 | Q2032 *B1 | R160 *D2 | R439 *D1 | R579 *A1 | R665 *A1 | R759 C3  |
| C1648 *C2 | C1918 *B2 | C2050 *C1 | D111 *C3   | FB8 *E2   | FB91 B1  | FB1223 *B3 | IC604 *A2  | IC1305 C3  | L401 *C1   | Q1601 C2  | Q2033 *B1 | R161 *D2 | R440 *D1 | R580 *E3 | R666 *A1 | R760 C3  |
| C1649 *C2 | C1919 *B2 | C2051 C1  | D112 *C3   | FB9 *E2   | FB92 B1  | FB1225 C3  | IC605 *A2  | IC1306 *C3 | L1201 C3   | Q1602 C2  | Q2034 *B1 | R162 *D2 | R441 *D1 | R581 *E3 |          |          |

|      |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |        |     |       |    |                                             |      |     |       |     |
|------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|--------|-----|-------|----|---------------------------------------------|------|-----|-------|-----|
| R810 | *E2 | R919  | *D2 | R1158 | B3  | R1243 | B3  | R1333 | C3  | R1459 | *D3 | R1576 | *C2 | R1721 | *C2 | R1883 | *B2 | R1999 | *B2 | R2115 | *B1 | R2199 | *B1 | RB406  | C1  | X401  | C1 | <b>TG-276S</b><br>1-885-985-11<br>*: B SIDE | C91  | B3  | IC15  | B2  |
| R811 | *E2 | R921  | *D2 | R1159 | *B3 | R1244 | B3  | R1334 | C3  | R1460 | *D3 | R1577 | *C2 | R1722 | *C2 | R1884 | *B2 | R2000 | B2  | R2116 | *B1 | R2200 | *B1 | RB407  | C1  | X1001 | E2 |                                             | C92  | *C3 | IC16  | B1  |
| R812 | *E2 | R922  | *D2 | R1160 | B3  | R1245 | B3  | R1335 | B3  | R1461 | *D3 | R1578 | *C2 | R1723 | *C2 | R1885 | *B2 | R2002 | B2  | R2117 | *B1 | R2201 | *B1 | RB408  | C1  |       |    |                                             | C93  | *C3 | IC17  | *C3 |
| R813 | *E2 | R923  | *D2 | R1161 | B3  | R1246 | B3  | R1336 | C3  | R1462 | *D3 | R1579 | *C2 | R1724 | *C2 | R1886 | *B2 | R2004 | B2  | R2118 | *B1 | R2202 | *B1 | RB409  | C1  |       |    |                                             | C200 | A2  | IC19  | *B3 |
| R814 | *E2 | R924  | *E2 | R1162 | B3  | R1247 | *B3 | R1337 | C3  | R1463 | *D3 | R1580 | *C2 | R1725 | *C2 | R1887 | *B2 | R2005 | B2  | R2119 | *B1 | R2203 | *B1 | RB410  | C1  |       |    |                                             | C201 | A2  | IC20  | *B3 |
| R815 | *E2 | R925  | *E2 | R1163 | *B3 | R1248 | *B3 | R1338 | B3  | R1464 | *D3 | R1581 | *C2 | R1726 | *C2 | R1888 | *B2 | R2007 | B2  | R2120 | *B2 | R2204 | *B1 | RB411  | C1  |       |    |                                             | C202 | A2  | IC21  | B3  |
| R816 | *E2 | R926  | *E2 | R1164 | *B3 | R1249 | *B3 | R1339 | C3  | R1465 | *D3 | R1582 | *C2 | R1727 | *C2 | R1889 | *B2 | R2008 | B2  | R2121 | *B1 | R2205 | *B1 | RB412  | *C1 |       |    |                                             | C203 | *A2 | IC22  | B3  |
| R817 | *E2 | R1001 | *E2 | R1166 | *B3 | R1250 | *B3 | R1340 | C3  | R1466 | *D3 | R1583 | *C2 | R1728 | *C2 | R1890 | *B2 | R2009 | *C2 | R2122 | *B1 | R2206 | *B1 | RB413  | *D1 |       |    |                                             | C204 | A2  | IC23  | *C3 |
| R818 | *E2 | R1002 | *E2 | R1168 | B3  | R1251 | B3  | R1341 | C3  | R1467 | B1  | R1584 | *C2 | R1801 | A2  | R1891 | *B2 | R2012 | *C2 | R2123 | *B1 | R2207 | B1  | RB414  | *D1 |       |    |                                             | C205 | A2  | IC201 | A2  |
| R819 | *E2 | R1003 | *E2 | R1169 | B3  | R1252 | *B3 | R1342 | C3  | R1468 | B1  | R1585 | *C2 | R1802 | A2  | R1892 | *B2 | R2013 | B2  | R2124 | *B2 | R2208 | B1  | RB415  | *D1 |       |    |                                             | C206 | A1  | IC202 | *A2 |
| R820 | *E2 | R1004 | E2  | R1170 | *B3 | R1253 | *B3 | R1343 | C3  | R1469 | B1  | R1586 | *C2 | R1803 | A2  | R1893 | *B2 | R2014 | *B2 | R2125 | *B1 | R2209 | B1  | RB601  | *B1 |       |    |                                             | C207 | A1  | IC203 | A1  |
| R821 | *E2 | R1005 | E2  | R1171 | *B3 | R1254 | B3  | R1344 | C3  | R1470 | B1  | R1587 | C1  | R1804 | A2  | R1894 | *B2 | R2016 | *C2 | R2126 | *B1 | R2210 | B1  | RB701  | *D3 |       |    |                                             | C208 | *A1 | IC204 | A1  |
| R822 | *E2 | R1006 | E2  | R1172 | B3  | R1255 | B3  | R1345 | C3  | R1501 | *C2 | R1588 | C1  | R1805 | A2  | R1895 | *B2 | R2017 | B2  | R2127 | B1  | R2211 | B1  | RB702  | *D3 |       |    |                                             | C209 | A1  | IC205 | *A1 |
| R823 | *E2 | R1007 | E2  | R1173 | *B3 | R1256 | *B3 | R1346 | *C3 | R1502 | *C2 | R1589 | *C1 | R1806 | A2  | R1896 | *B2 | R2018 | *B2 | R2128 | B1  | R2212 | B1  | RB703  | *D3 |       |    |                                             | C210 | A1  | IC206 | *B1 |
| R824 | *E2 | R1008 | E2  | R1174 | B3  | R1257 | B3  | R1347 | *C3 | R1503 | C1  | R1590 | *C1 | R1807 | *B2 | R1897 | *B2 | R2019 | *B2 | R2129 | B1  | R2213 | B1  | RB704  | D3  |       |    |                                             | C211 | A1  | IC212 | *C1 |
| R825 | *E2 | R1009 | E2  | R1175 | *B3 | R1258 | *B3 | R1348 | *B3 | R1504 | C1  | R1591 | *C2 | R1808 | A2  | R1898 | *B2 | R2020 | *B2 | R2130 | B1  | R2214 | *B1 | RB705  | D3  |       |    |                                             | C212 | *A1 | IC213 | *C2 |
| R826 | *E2 | R1010 | E2  | R1176 | *B3 | R1259 | *B3 | R1349 | *B3 | R1505 | C1  | R1592 | *C2 | R1809 | *A2 | R1899 | *B2 | R2021 | *B2 | R2131 | B1  | R2215 | *B1 | RB706  | *D3 |       |    |                                             | C213 | *A1 | IC214 | A3  |
| R827 | *E2 | R1011 | E2  | R1177 | B3  | R1260 | *C3 | R1350 | C3  | R1506 | C1  | R1651 | C2  | R1810 | *B2 | R1900 | B2  | R2022 | *B2 | R2132 | B1  | R2216 | *B1 | RB707  | *D3 |       |    |                                             | C214 | *A1 | IC215 | *C2 |
| R828 | *E2 | R1012 | E2  | R1178 | *B3 | R1261 | *C3 | R1352 | *C3 | R1507 | C1  | R1652 | C2  | R1811 | A2  | R1901 | *B2 | R2023 | *B2 | R2133 | B1  | R2217 | B1  | RB708  | D3  |       |    |                                             | C215 | *B1 | IC216 | C2  |
| R829 | *E2 | R1013 | E2  | R1179 | *B3 | R1262 | B3  | R1353 | *C3 | R1508 | C1  | R1653 | C2  | R1812 | *B2 | R1902 | B2  | R2024 | *B2 | R2134 | *B1 | R2218 | *B1 | RB709  | D3  |       |    |                                             | C216 | *B1 |       |     |
| R830 | *E2 | R1014 | E2  | R1180 | *B3 | R1263 | B3  | R1354 | *C3 | R1509 | C1  | R1654 | C2  | R1813 | *B2 | R1903 | *B2 | R2025 | *B2 | R2135 | *B1 | R2219 | *B1 | RB710  | *D3 |       |    |                                             | C217 | *B1 | L1    | C3  |
| R831 | *E2 | R1015 | E2  | R1181 | *B3 | R1265 | B3  | R1355 | *C3 | R1511 | C1  | R1655 | C2  | R1814 | A2  | R1904 | B2  | R2026 | *B2 | R2136 | *B1 | R2220 | *B1 | RB711  | *D3 |       |    |                                             | C218 | *B1 | L2    | D3  |
| R832 | *E2 | R1016 | E2  | R1182 | *B3 | R1266 | B3  | R1356 | *C3 | R1513 | *C1 | R1656 | C2  | R1815 | A2  | R1905 | *B2 | R2027 | B2  | R2137 | B1  | R2221 | *B1 | RB712  | D3  |       |    |                                             | C219 | A2  | L4    | C2  |
| R833 | *E2 | R1017 | E2  | R1183 | *B3 | R1267 | B3  | R1358 | B3  | R1514 | *C1 | R1657 | C2  | R1816 | *B2 | R1907 | B2  | R2028 | *C2 | R2138 | *B1 | R2222 | *B1 | RB713  | D3  |       |    |                                             | C221 | *C1 | L5    | C3  |
| R834 | E3  | R1018 | E2  | R1184 | *B3 | R1268 | B3  | R1359 | B3  | R1515 | *C1 | R1658 | C2  | R1817 | *B2 | R1908 | *B2 | R2029 | *B2 | R2139 | *B1 | R2223 | *B1 | RB714  | D3  |       |    |                                             | C223 | C3  | C222  | *C2 |
| R835 | *E2 | R1019 | *D2 | R1185 | *B3 | R1269 | C3  | R1360 | *C3 | R1516 | *C1 | R1659 | *C2 | R1818 | *B2 | R1909 | B2  | R2030 | *B2 | R2140 | *B2 | R2224 | *B1 | RB715  | D3  |       |    |                                             | C224 | C3  | C223  | *C2 |
| R836 | *E2 | R1020 | *D2 | R1186 | *B3 | R1271 | B3  | R1361 | *C3 | R1517 | *C1 | R1660 | *C2 | R1819 | B2  | R1910 | B2  | R2031 | B2  | R2141 | *B1 | R2225 | *B1 | RB716  | *D3 |       |    |                                             | C225 | *C3 | C224  | *C1 |
| R837 | *E2 | R1021 | *D2 | R1187 | *B3 | R1272 | B3  | R1365 | B3  | R1518 | *C1 | R1661 | *C2 | R1820 | B2  | R1911 | B2  | R2032 | C2  | R2142 | *B1 | R2226 | *B1 | RB717  | *D3 |       |    |                                             | C225 | *C1 | L203  | B3  |
| R838 | *E2 | R1022 | *D2 | R1188 | *B3 | R1274 | C3  | R1366 | C3  | R1519 | *C1 | R1662 | *C2 | R1821 | B2  | R1912 | B2  | R2033 | B2  | R2143 | *B1 | R2227 | *C1 | RB718  | *D3 |       |    |                                             | C227 | *C1 | Q1    | D3  |
| R839 | *E2 | R1023 | *D2 | R1189 | B3  | R1275 | *C3 | R1367 | B3  | R1520 | *C1 | R1663 | *C2 | R1822 | *B2 | R1913 | B2  | R2034 | B2  | R2144 | *B1 | R2228 | *C1 | RB719  | *D3 |       |    |                                             | C228 | *C2 | Q2    | D2  |
| R840 | *E2 | R1024 | *D2 | R1190 | *B3 | R1276 | *C3 | R1368 | B3  | R1521 | *C1 | R1664 | *C2 | R1823 | B2  | R1914 | *B2 | R2035 | *C2 | R2145 | B1  | R2229 | *B1 | RB720  | *D3 |       |    |                                             | C229 | *C1 | Q3    | D3  |
| R841 | E3  | R1025 | *D2 | R1191 | *B3 | R1277 | *C3 | R1401 | *D2 | R1522 | *C1 | R1665 | *C2 | R1824 | B2  | R1915 | B2  | R2036 | B2  | R2146 | *B1 | R2230 | *B1 | RB721  | *D3 |       |    |                                             | C231 | *C1 | Q200  | A2  |
| R842 | *E2 | R1026 | *D2 | R1192 | *B3 | R1278 | *B3 | R1402 | *D2 | R1523 | *C1 | R1666 | *C2 | R1825 | *B2 | R1916 | B2  | R2037 | *B2 | R2147 | *C1 | R2231 | *B1 | RB722  | *D3 |       |    |                                             | C232 | *C2 | Q201  | A2  |
| R843 | E3  | R1027 | *D2 | R1193 | *B3 | R1279 | C3  | R1403 | *D2 | R1524 | *C1 | R1667 | *C2 | R1826 | B2  | R1917 | *B2 | R2038 | *B2 | R2148 | *C1 | R2232 | C1  | RB723  | *D3 |       |    |                                             | C234 | *C2 | Q202  | A2  |
| R844 | E3  | R1028 | *D2 | R1194 | *B3 | R1280 | B3  | R1404 | *D2 | R1525 | *C1 | R1668 | C2  | R1827 | C2  | R1918 | *B2 | R2039 | B2  | R2149 | *B1 | R2233 | C1  | RB724  | D3  |       |    |                                             | C235 | C2  | Q203  | A2  |
| R845 | E3  | R1029 | *D2 | R1195 | *B3 | R1281 | B3  | R1405 | *D2 | R1526 | *C1 | R1669 | C2  | R1828 | B2  | R1919 | *B2 | R2040 | B2  | R2150 | *B1 | R2234 | *C1 | RB801  | *A1 |       |    |                                             | C236 | C2  | Q204  | *A2 |
| R846 | E3  | R1030 | E2  | R1196 | *B3 | R1283 | C3  | R1406 | *D2 | R1528 | *C2 | R1670 | *C2 | R1829 | B2  | R1920 | *B2 | R2041 | *B2 | R2151 | *B1 | R2235 | *C1 | RB802  | *A1 |       |    |                                             | C237 | *C1 | Q205  | *A2 |
| R847 | *E3 | R1031 | *E2 | R1197 | *B3 | R1284 | B3  | R1407 | *D2 | R1529 | *C2 | R1671 | C2  | R1830 | B2  | R1921 | *B2 | R2042 | *B2 | R2152 | C1  | R2236 | *C1 | RB901  | *E2 |       |    |                                             | C238 | *C1 | Q206  | *A2 |
| R848 | *E3 | R1032 | *D2 | R1198 | *B3 | R1285 | B3  | R1408 | *D2 | R1530 | *C2 | R1672 | C2  | R1831 | B2  | R1922 | *B2 | R2043 | *B2 | R2153 | C1  | R2237 | *C1 | RB902  | *E2 |       |    |                                             | C239 | *C2 | Q207  | *A2 |
| R849 | *E3 | R1035 | *D2 | R1199 | *B3 | R1287 | B3  | R1411 | A3  | R1531 | *C2 | R1673 | C2  | R1832 | B2  | R1923 | *B2 | R2044 | *B2 | R2154 | *C1 | R2238 | B1  | RB903  | *E2 |       |    |                                             | C240 | *A1 | Q208  | A2  |
| R850 | *E3 | R1036 | *D2 | R1200 | *B3 | R1288 | B3  | R1412 | A3  | R1532 | C2  | R1674 | C2  | R1833 | C2  | R1924 | *B2 | R2045 | *B2 | R2155 | *C1 | R2239 | *B1 | RB904  | *E2 |       |    |                                             |      |     | Q209  | A2  |
| R851 | *E3 | R1037 | *D2 | R1201 | *B3 | R1289 | B3  | R1413 | A3  | R1533 | C2  | R1675 | C2  | R1834 | B2  | R1925 | *B2 | R2046 | B2  | R2156 | *C1 | R2240 | *B1 | RB905  | *E2 |       |    |                                             | CL1  | B1  | Q210  | A2  |
| R852 | *E3 | R1038 | *D2 | R1202 | *B3 | R1290 | B3  | R1414 | A3  | R1534 | *C2 | R1676 | C2  | R1835 | B2  | R1951 | A2  | R2047 | *B2 | R2157 | *C1 | R2241 | *C1 | RB906  | *E2 |       |    |                                             | CL2  | B1  | Q211  | A1  |
| R853 | *E3 | R1039 | *E2 | R1203 | *B3 | R1291 | B3  | R1415 | A3  | R1535 | C2  | R1677 | C2  | R1836 | B2  | R1952 | A2  | R2048 | B2  | R2158 | B1  | R2242 | *C1 | RB907  | *D2 |       |    |                                             | CL3  | A1  | Q212  | A2  |
| R854 | *E3 | R1040 | *E2 | R1204 | B3  | R1293 | B3  | R1416 | A3  | R1536 | C2  | R1678 | C2  | R1837 | B2  | R1953 | A2  | R2049 | B2  | R2159 | *B1 | R2244 | *B1 | RB908  | *D2 |       |    |                                             | CL4  | B1  | Q213  | *A2 |
| R855 | *E3 | R1041 | D2  | R1205 | B3  | R1294 | B3  | R1417 | A3  | R1537 | C2  | R1679 | C2  | R1839 | B2  | R1954 | A2  | R2050 | B2  | R2160 | *B1 | R2245 | *B1 | RB909  | *D2 |       |    |                                             | CL5  | B1  |       |     |
| R856 | *E3 | R1042 | D2  | R1206 | *B3 | R1295 | B3  | R1418 | A3  | R1538 | C2  | R1680 | C2  | R1840 | *B2 | R1955 | A2  | R2051 | *B2 | R2161 | *C1 | R2246 | *C1 | RB910  | *D2 |       |    |                                             | CL6  | A2  | R5    | D2  |
| R857 | *E3 | R1043 | D2  | R1207 | B3  | R1296 | B3  | R1419 | A3  | R1539 | C2  | R1681 | C2  | R1841 | B2  | R1956 | A2  | R2052 | *B2 | R2162 | *C1 | R2247 | *C1 | RB911  | E2  |       |    |                                             | CL7  | B1  | R6    | D2  |
| R858 | *E3 | R1103 | *E1 | R1208 | *B3 | R1297 | B3  | R1420 | A3  | R1540 | C2  | R1682 | C2  | R1842 | *B2 | R1957 | A2  | R2053 | *B2 | R2164 | *B1 | R2248 | *C1 | RB1101 | E2  |       |    |                                             |      |     | R7    | D2  |
| R859 | *E3 | R1104 | *E1 | R1209 | *B3 | R1298 | B3  | R1421 | A3  | R1541 | C2  | R1683 | C2  | R1843 | *B2 | R1958 | *A2 | R2054 | *B2 |       |     |       |     |        |     |       |    |                                             |      |     |       |     |



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