

**SONY®**

HD COLOR CAMERA

**HDC2500**

**HDC2400**

***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.       |
|--------------|------------------|
| HDC2500 (SY) | 10001 and Higher |
| HDC2500 (CE) | 40001 and Higher |
| HDC2500 (E)  | 50001 and Higher |
| HDC2500 (J)  | 30001 and Higher |
| HDC2400 (SY) | 10001 and Higher |
| HDC2400 (CE) | 40001 and Higher |
| HDC2400 (E)  | 50001 and Higher |
| HDC2400 (J)  | 30001 and Higher |

安全のために、周辺機器を接続する際は、過大電圧を持つ可能性があるコネクタを以下のポートに接続しないでください。

: NETWORK TRUNK

上記のポートについては本書の指示に従ってください。

For safety, do not connect the connector for peripheral device wiring that might have excessive voltage to the following port(s).

: NETWORK TRUNK

Follow the instructions for the above port(s).

**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 PÅ

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

Räjähdysvaara, jos akku vaihdetaan virheellisesti. Vaihda vain samanlaiseen tai vastaavantyyppiseen, valmistajan suosittelemaan akkuun.  
Noudata akun hävittämisessä 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 HDC2500/2400, 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 |

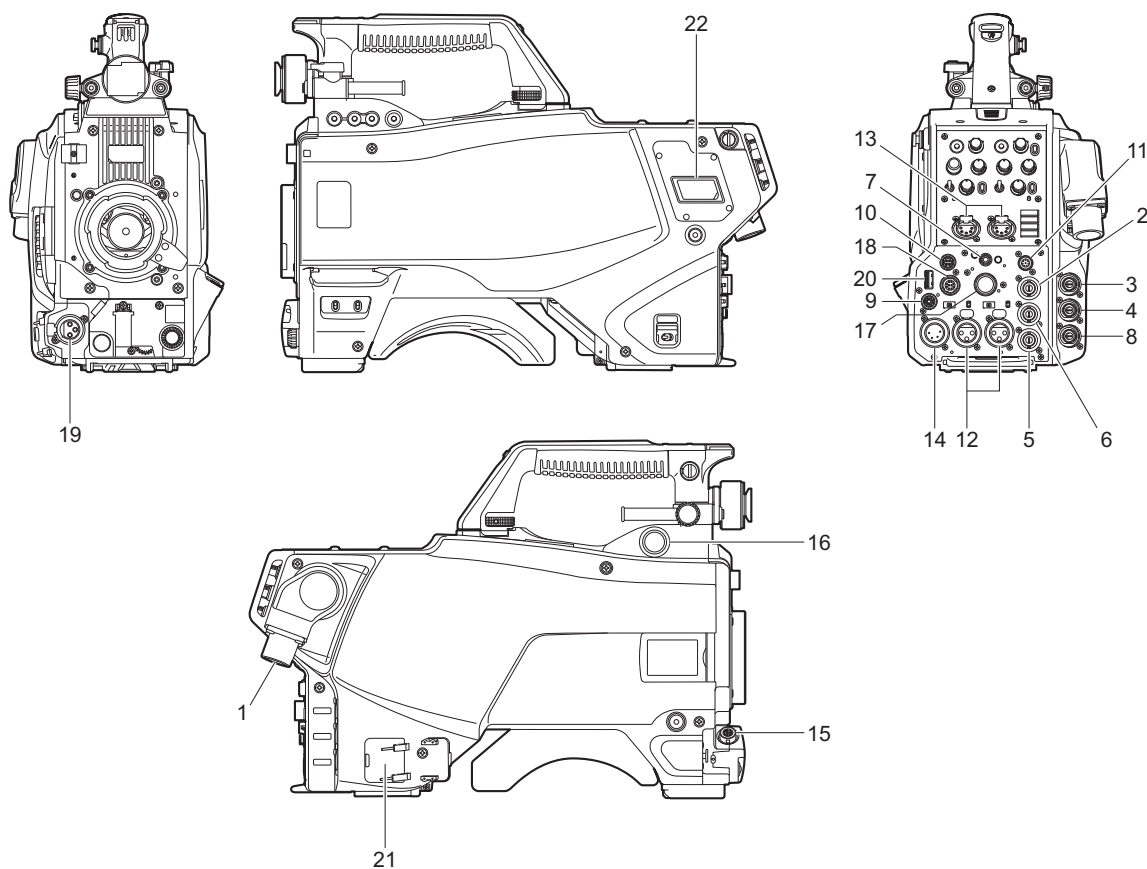
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#### Software

| Peripheral Equipment | Board Name    | ROM Version          |
|----------------------|---------------|----------------------|
| RCP-920/921          | MPU-143 board | Ver. 1.11 and higher |
| HDCU1000             | AT-167 board  | Ver. 1.21 and higher |
| HDCU1500             | AT-167 board  | Ver. 1.21 and higher |
| MSU-900/950          | CPU-396 board | Ver. 1.21 and higher |
| HDCU2000             | AT-167 board  | Ver. 1.01 and higher |
| HDCU2500             | AT-167 board  | Ver. 1.01 and higher |

## 1-2. Connectors and Cables

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



#### Input/Output Signals

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

#### 1. CCU

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

#### 6. TEST OUT

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

#### 2. PROMPTER/GENLOCK

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

#### 7. EARPHONE

Stereo mini jack

#### 3. SDI 1

HD SDI signal

BTA-S004A compliant

BNC type 75  $\Omega$ , 0.8 V p-p, 1.485 Gbps

#### 8. PROMPTER2

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

#### 4. SDI 2

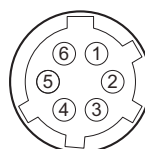
HD SDI signal or SD SDI signal

BTA-S004 compliant

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

#### 9. RET CTRL

6-pin, Female



- External View -

#### 5. SDI-MONI

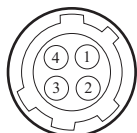
HD SDI signal or SD SDI signal

BTA-S004 compliant

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

## 10. DC OUT

4-pin, Female

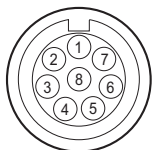


- External View -

| 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) |

## 11. REMOTE

8-pin, Female



- External View -

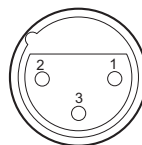
| No. | Signal                                                                                                  | I/O | Specifications                                                                                                   |
|-----|---------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                    |

## 12. AUDIO IN CH1/CH2

XLR 3-pin, Female



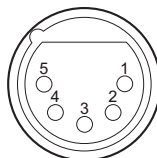
- External View -

(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 impedance, Balanced |
| 2   | AUDIO 1/2 (X) | IN  |                                                                                        |
| 3   | AUDIO 1/2 (Y) | IN  |                                                                                        |

## 13. INTERCOM 1, 2

XLR 5-pin, Female



- External View -

(0 dBu = 0.775 V rms)

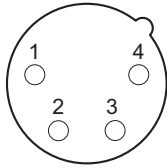
| No. | Signal          | I/O | Specifications                                                                                                    |
|-----|-----------------|-----|-------------------------------------------------------------------------------------------------------------------|
| 1   | 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 |                |

## 14. 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 |

## 15. LENS

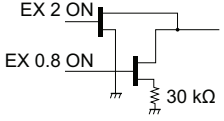
12-pin, Female



- External View -

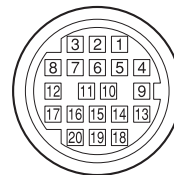
| No. | Signal           | I/O | Specifications                                                                               |
|-----|------------------|-----|----------------------------------------------------------------------------------------------|
| 1   | RET VIDEO ENABLE | IN  | <ul style="list-style-type: 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 | —                                                                                                                                                                                                                        |

## 16. VF

20-pin, Female

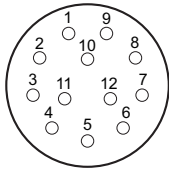


- External View -

| 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                       |

## 17. CRANE

12-pin, Female

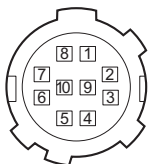


- External View -

| 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                             |

## 18. TRACKER

10-pin, Female

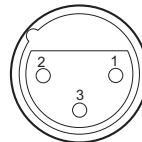


- External View -

| 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)          |

## 19. MIC 1 IN

XLR 3-pin, Female



- External View -

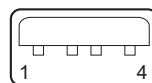
(0 dBu = 0.775 Vrms)

| 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  |                                                                                        |

## 20. USB

USB (Series A), 4-pin

Signal standard: USB standard Ver. 2.0

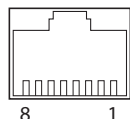


- External View -

| 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            |

## 21. LAN

8-pin, RJ-45, 10Base-T/100Base-TX



- External View -

| No. | Signal    | I/O        | Specifications                     |
|-----|-----------|------------|------------------------------------|
| 1   | TRD + (0) | IN/<br>OUT | Transmitted/Received<br>Data + (0) |
| 2   | TRD - (0) | IN/<br>OUT | Transmitted/Received<br>Data - (0) |
| 3   | TRD + (1) | IN/<br>OUT | Transmitted/Received<br>Data + (1) |
| 4   | TRD + (2) | IN/<br>OUT | Transmitted/Received<br>Data + (2) |
| 5   | TRD - (2) | IN/<br>OUT | Transmitted/Received<br>Data - (2) |
| 6   | TRD - (1) | IN/<br>OUT | Transmitted/Received<br>Data - (1) |
| 7   | TRD + (3) | IN/<br>OUT | Transmitted/Received<br>Data + (3) |
| 8   | TRD - (3) | IN/<br>OUT | Transmitted/Received<br>Data - (3) |

## 22. DC OUT

2-pin, Female

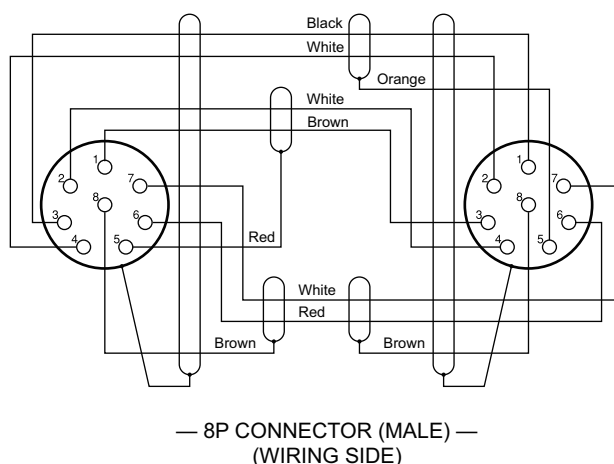


- External View -

| No. | Signal      | I/O | Specifications        |
|-----|-------------|-----|-----------------------|
| 1   | LIGHT +12 V | OUT | +12 V dc, 2.5 A (max) |
| 2   | GND         | —   | GND for power         |

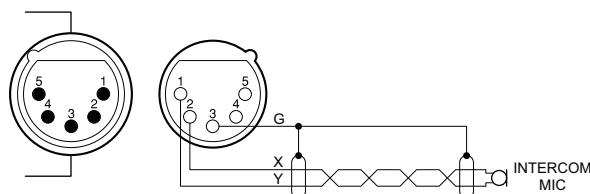
## 1-2-2. Wiring Diagrams for Cables

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

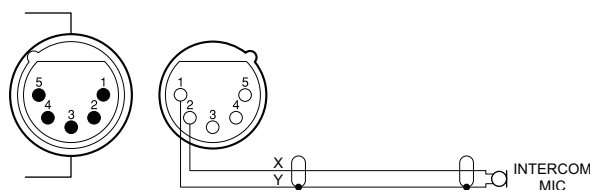


### INTERCOM MIC Cable

- Balance (HEAD SET menu UNBAL: OFF)



- 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 1/2</li> <li>SDI-MONI</li> <li>TEST OUT</li> <li>PROMPTER/GENLOCK</li> <li>PROMPTER 2 (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 Connection cable (Part No. : 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

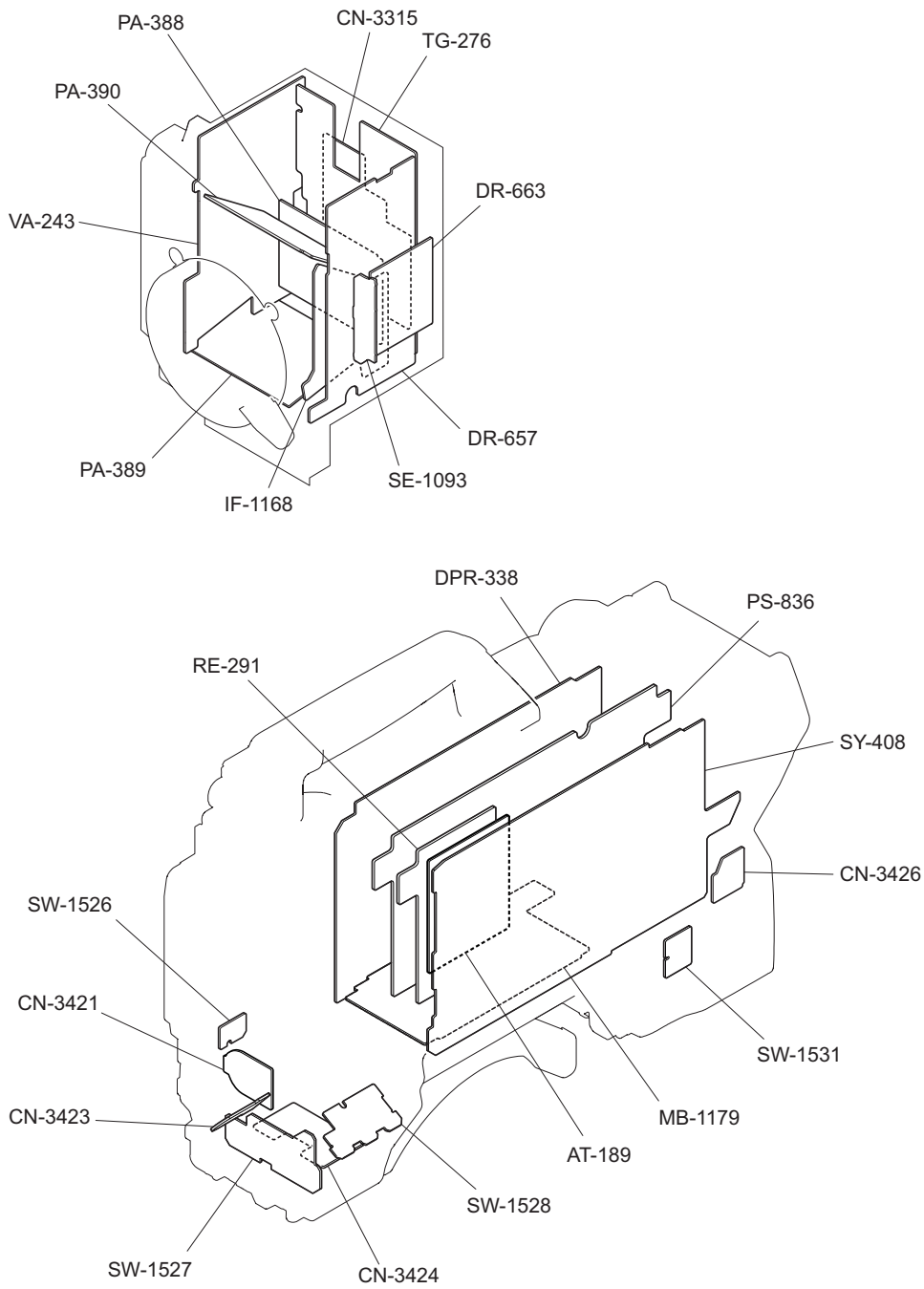
For details on a cleaning method, refer to “1-8. Cleaning of Connector/Cable”.

\*1: If using a cable of length different from a standard product, contact your local Sony Sales Office/Service Center.

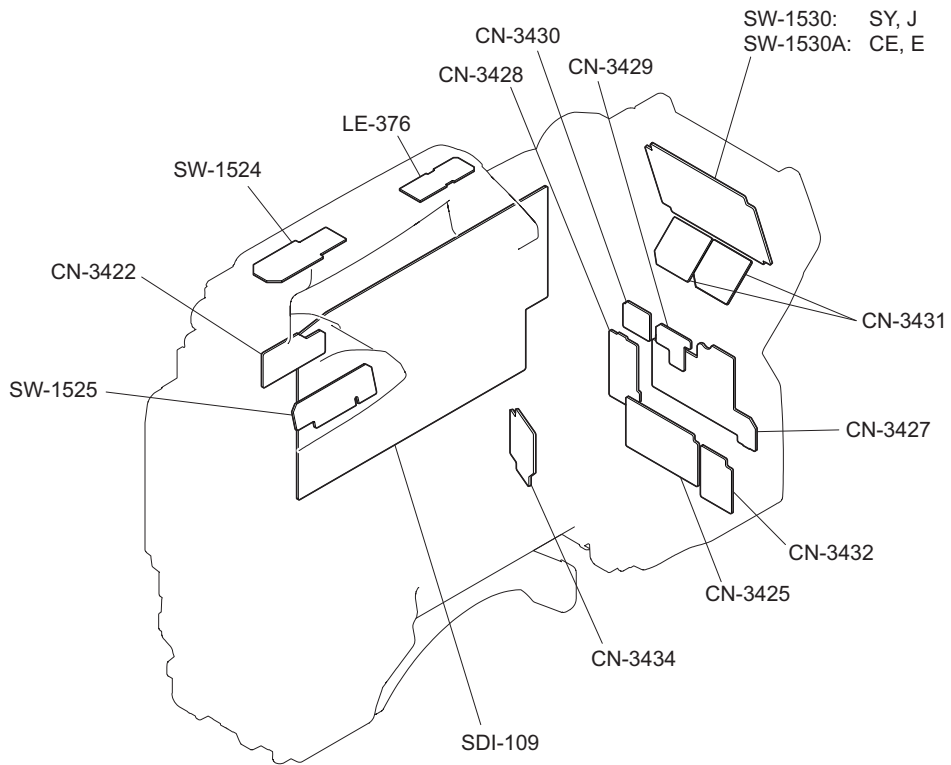
\*2: The pin 8 of CCA-5 cable is GND (ground). The pin 8 of REMOTE cable is not GND (ground).

\*3: 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.

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







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

### **1-4-1. VA-243 Board**

The VA-243 board converts the differential signal from the PA-388, PA-389, and PA-390 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.

### **1-4-2. DPR-388 Board**

The DPR-388 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.

### **1-4-3. TG-276 Board**

The TG-276 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-276 board.

This board contains a TEST SAW signal generator circuit. This signal is sent to the VA-243 board where the signal is merged with the main line signal.

### **1-4-4. PA-338/389/390 Boards**

These boards supply DC bias necessary for the CCD. 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-243 board.

### **1-4-5. DR-657 Board**

The DR-657 board contains a CCD drive vertical driver, a shutter pulse driver, and a VH driver.

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

### **1-4-6. IF-1168 Board**

The IF-1168 board relays signals between PA-388/389/390 boards and the DR-657 board.

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

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

#### **1-4-7. 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).

#### **1-4-8. AT-189 Board**

The AT-189 board consists of a system control microcomputer (IC200) and a peripheral circuit necessary for the operation of this microcomputer (IC200).

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

#### **1-4-9. 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.

#### **1-4-10. 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.

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.

## 1-5. 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-276  | IC214        | CCD adjustment data, PPN compensation data |
| SY-408  | IC404, IC405 | Paint data etc.                            |
| MB-1179 | IC2          | Model information data                     |

- 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 Items 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.

---

## Replacement 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 “2-7-1. 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> |
|-------------|

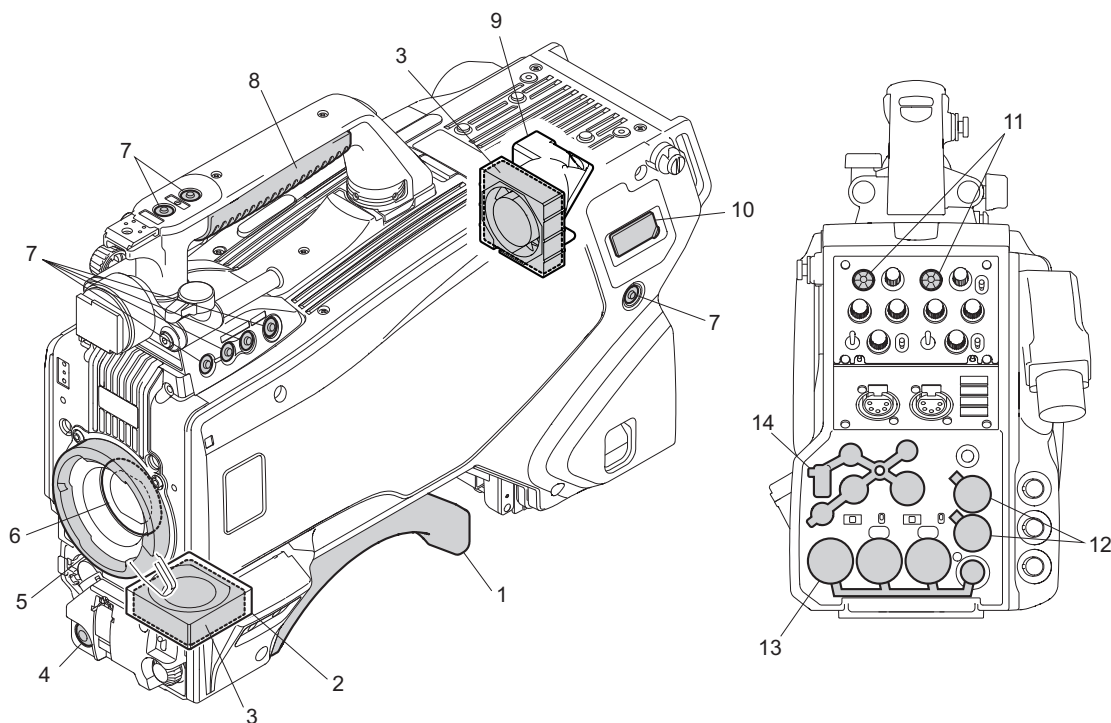
Unless REFERENCE (ALL) is executed, the intercom operation panel may not function correctly.

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”)
  - Scen 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.



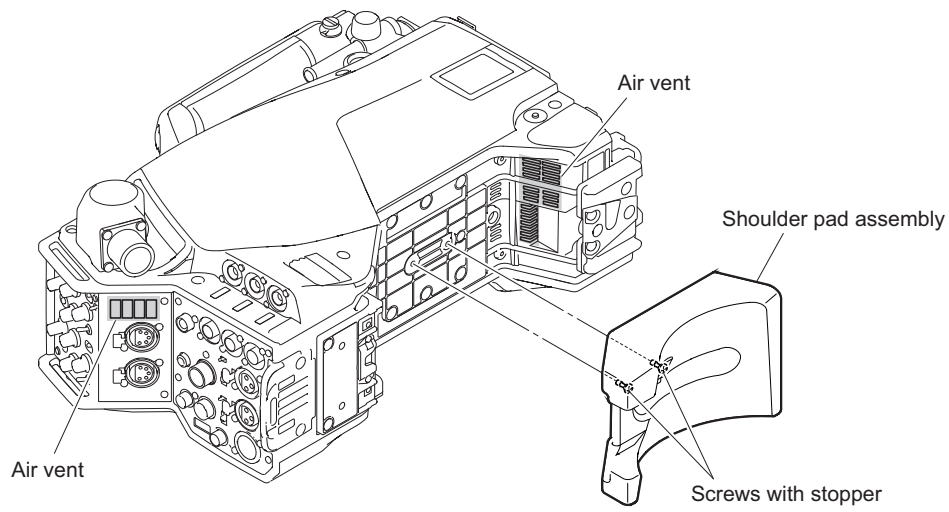
| No. | Name                             | Part No.     | Recommended Replacement Timing                                                                                                                         |
|-----|----------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |                                                                                                                                                        |
| 4   | VTR Start button                 | 3-679-668-01 | Replace every 5 years.                                                                                                                                 |
| 5   | Bayonet Ring                     | 4-263-184-01 |                                                                                                                                                        |
| 6   | 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. |
| 7   | SW Cover                         | 3-676-244-03 | Check for deformation and deterioration (abraded or damaged or lost) from time to time. Replace it as necessary                                        |
| 8   | Glip                             | 4-138-676-01 |                                                                                                                                                        |
| 9   | Fan Duct                         | 4-293-493-01 |                                                                                                                                                        |
| 10  | DC OUT Connector Cap             | 4-415-079-01 |                                                                                                                                                        |
| 11  | SW Cover                         | 4-138-982-02 |                                                                                                                                                        |
| 12  | BNC Cap                          | 3-872-935-01 |                                                                                                                                                        |
| 13  | Rear Connector Cap 2             | 4-414-618-01 |                                                                                                                                                        |
| 14  | Rear Connector Cap 1             | 4-414-617-01 |                                                                                                                                                        |

### 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 of the DPR board of the camera control unit.

- When lit in green: Normal (- 17 dBm and higher)
- When lit in yellow: Normal (- 17 to - 20 dBm)
- When lit in red: Abnormal (Less than - 20 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

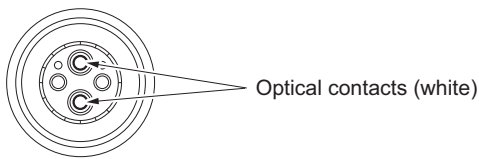
- Alcohol is not necessary during cleaning.
- Number of possible wipes is one cleaning per a piece. Do not reuse it.

---

#### Cleaning Procedure

##### Male connector

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

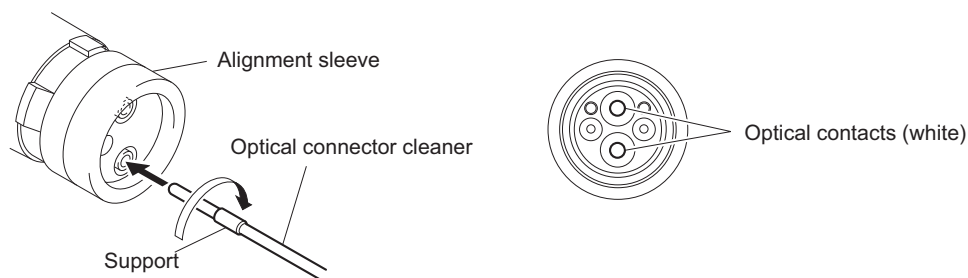


##### Female connector

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.



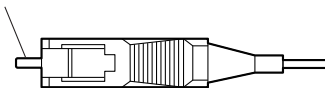
- While pressing the optical connector cleaner against the tip of the optical contact, rotate the optical connector cleaner by 4 to 5 turns clockwise. Holding the optical connector cleaner at around its support facilitates to apply the pressure.



## 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.

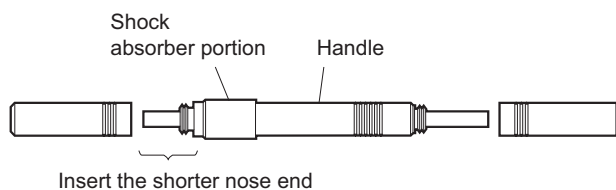
---

### 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

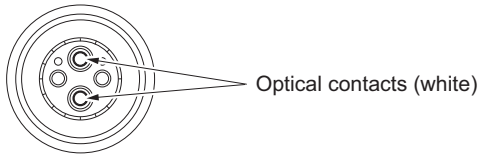
Use a cotton swab whose diameter is about 4 mm. If a cotton swab whose diameter exceeds 5 mm is used, the cotton swab cannot be inserted into the end of the connector and the tip of the optical contact cannot be cleaned.

---

## Cleaning Procedure

### Male connector

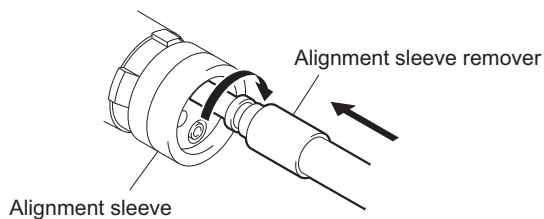
Clean the tip of the white optical contacts with a cotton swab moistened with alcohol.



### 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

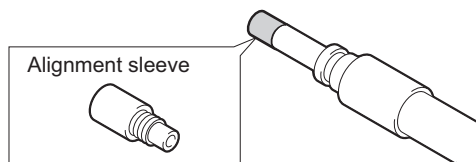


2. When the turn stops, pull out the remover in the straight line forcedly.

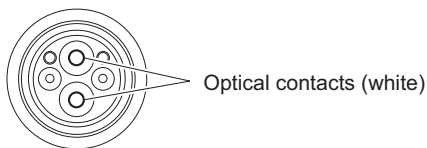
#### Note

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)

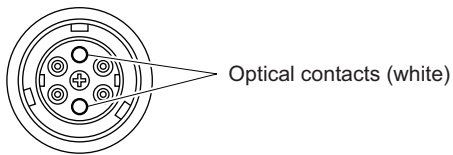
**Note**

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

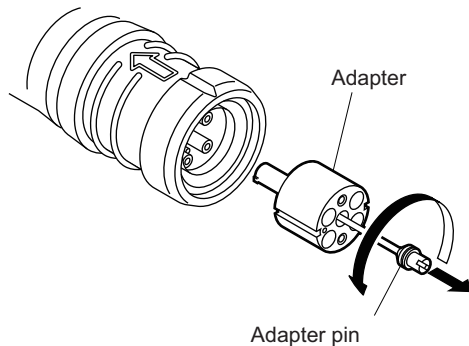
The optical contacts for female connector are in an unexposed state. In cleaning, it is necessary to be exposed by removing the adapter in the connector in advance. Proceed as follows.

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

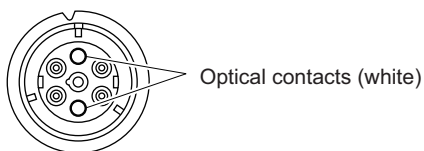
**Note**

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.



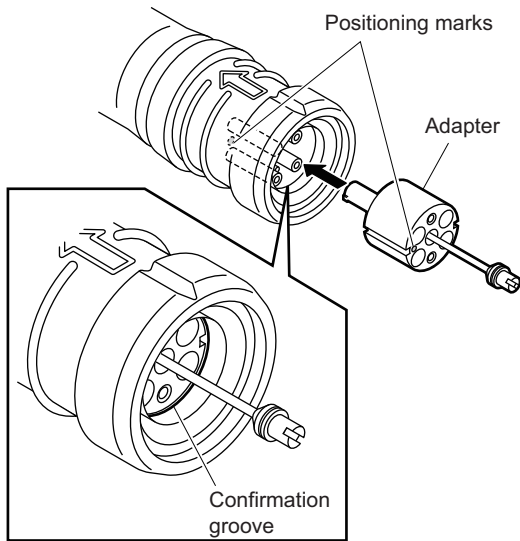
3. Clean the white optical contacts with a cotton swab moistened with alcohol.



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 you feel that it is fixed to some extent.

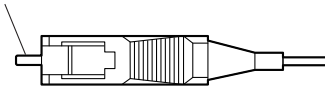
**Note**

Do not fully tighten the adapter pin.

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

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's bit (3 kg•cm) (0.3•N m)    | Screw tightening                                                                |
| J-6252-510-A           | Torque screwdriver's bit (6 kg•cm) (0.6•N m)    | Screw tightening                                                                |
| J-6252-520-A           | Torque screwdriver's bit (10 kg•cm) (1.0 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 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 in step 1.

---

#### 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 "VERSHION 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 in step 1.

---

## 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 “VERSHION 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 <sup>*1</sup> | hdc2000_sy.pkg   |
| IC604/DPR-338<br>IC602/DPR-338 <sup>*2</sup> | hdc2000_dpr2.pkg |
| IC401/DPR-338<br>IC501/DPR-338 <sup>*3</sup> | hdc2000_dpr1.pkg |
| IC1/SDI-109<br>IC607/SDI-109 <sup>*4</sup>   | hdc2000_sdi.pkg  |
| IC15/TG-276<br>IC2/TG-276 <sup>*5</sup>      | hdc2000_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), contact your local Sony Sales Office/Service Center.

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

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

\*2: IC602/DPR-338 is the ROM for IC604/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-276 is the ROM for IC15/TG-276.



---

## 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 "VERSIION 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 in step 1.

##### 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.

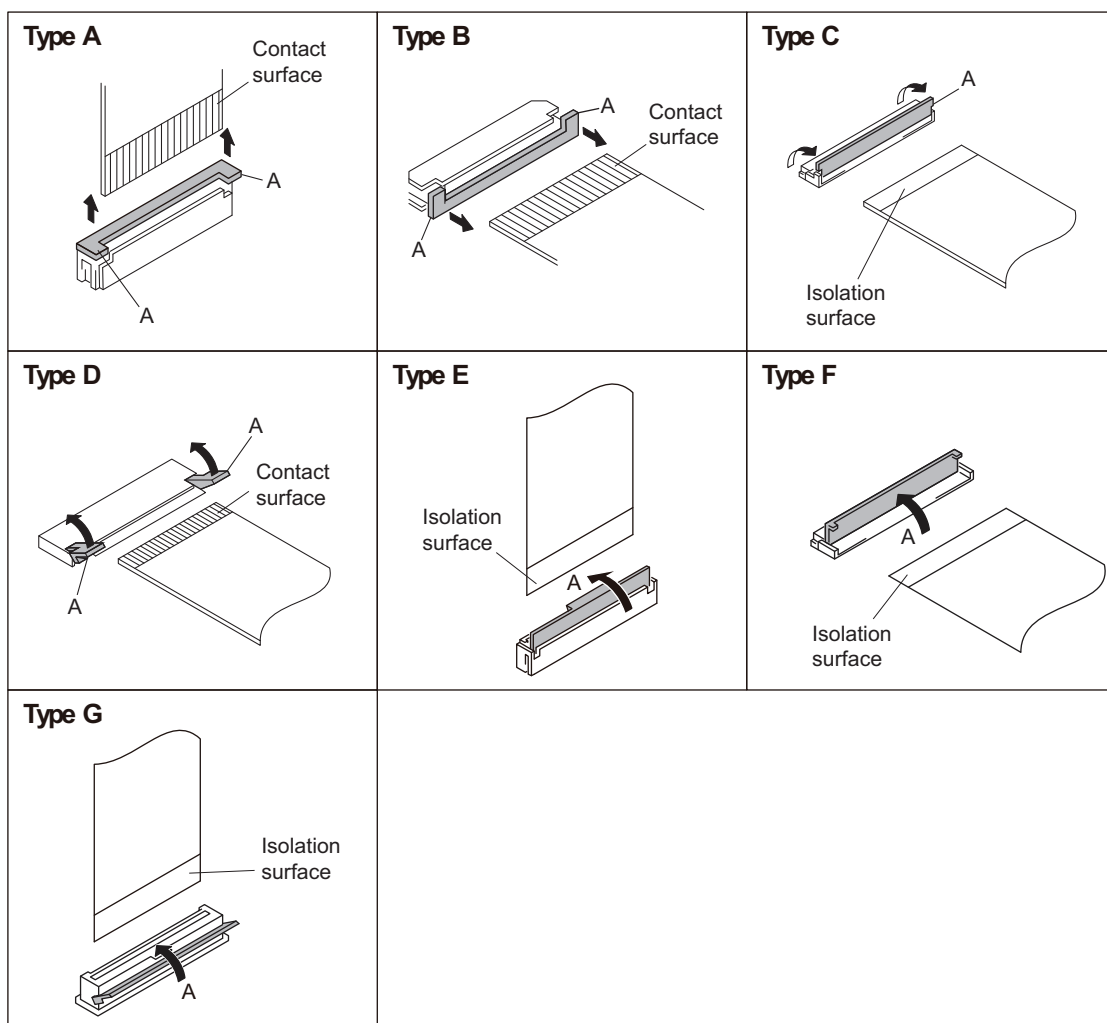
## 1-14. Flexible Card Wire and Coaxial Cable

### 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.

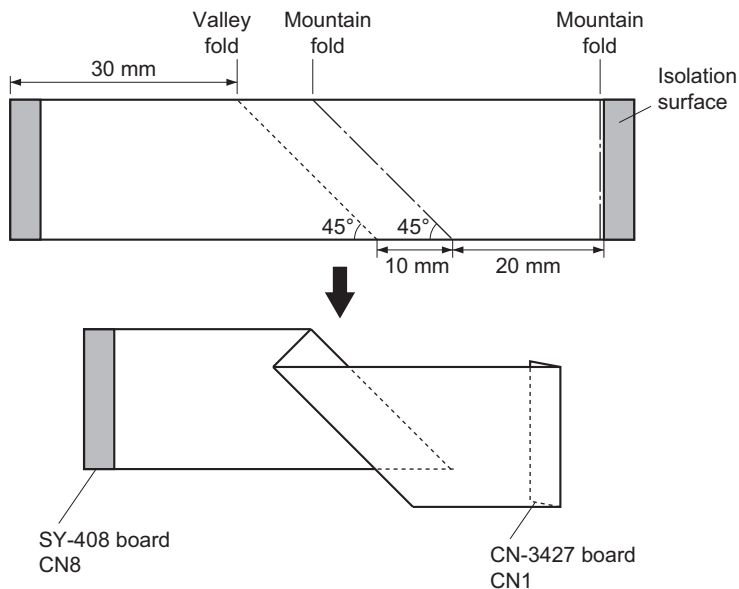
## 1-14-2. Forming Flexible Card Wire

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

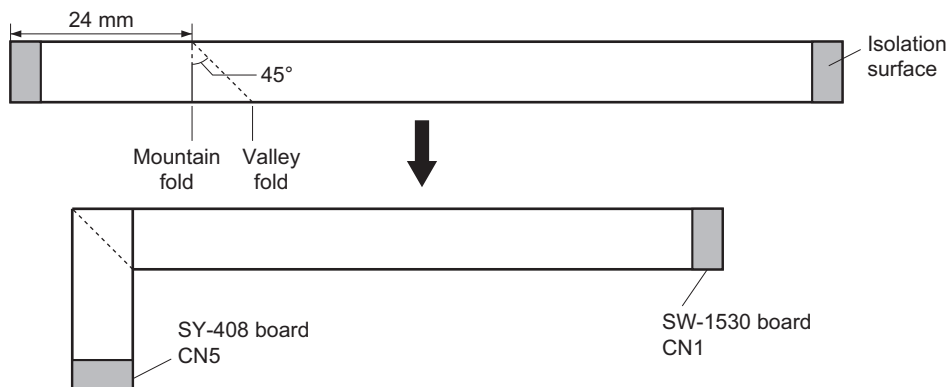
### Note

Never fold it back after being formed once.

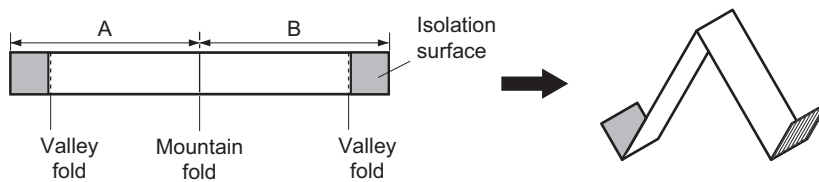
- SY-408 board CN8 ↔ CN-3427 board CN1



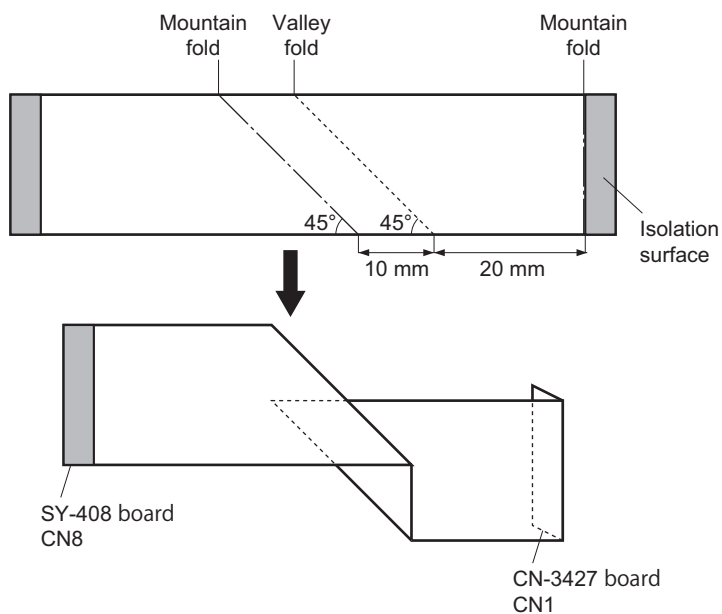
- SY-408 board CN5 ↔ SW-1530 board CN1



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



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



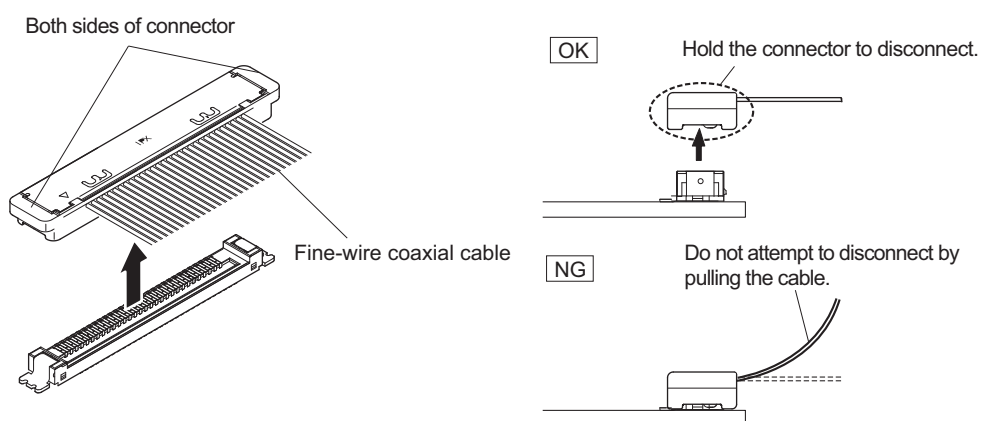
### 1-14-3. Disconnecting/Connecting Fine-Wire Coaxial Cable

#### 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.

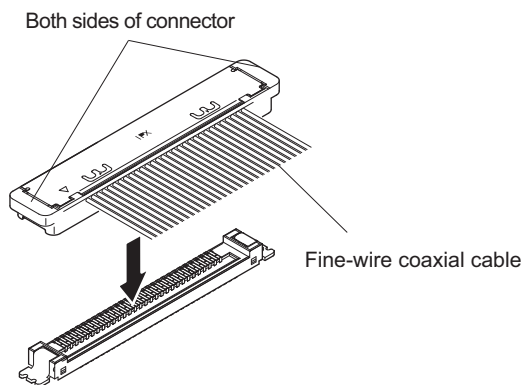
#### Type A

##### Disconnecting



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

## Connecting



### Note

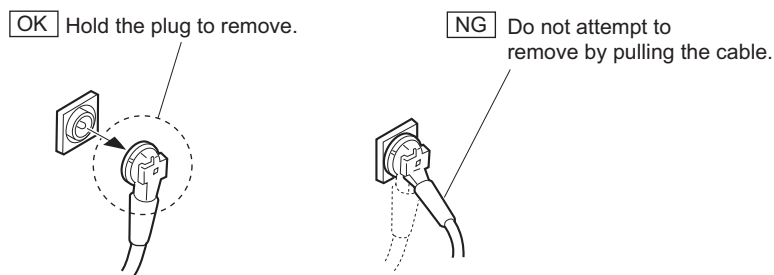
When connecting the fine-wire coaxial cable, insert it straight into the connector.

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

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

### Type A

## Disconnecting

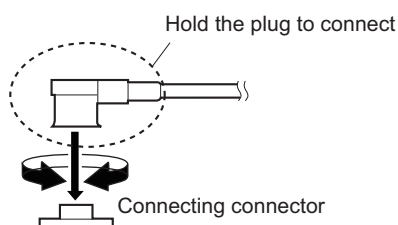


1. Hold the plug of coaxial cable.
2. Pull out the coaxial cable in the direction arrow.

### 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.



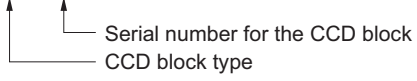
## 1-15. Description of CCD Block Number

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: OVA xxxxx

Serial number for the CCD block  
CCD block type



## 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 and IC links 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) | $\triangle$ 1-803-615-21 | 0.50 A/20 °C |
|            | THP602   | A1 (Side B) | $\triangle$ 1-803-353-21 | 0.14 A/20 °C |
|            | THP603   | B1 (Side B) | $\triangle$ 1-803-615-21 | 0.50 A/20 °C |
| SDI-109    | THP100   | D3 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP101   | D3 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP102   | D4 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP103   | D4 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP104   | C3 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP105   | C3 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP106   | B2 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP107   | B2 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP108   | B3 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP109   | B3 (Side A) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
|            | THP110   | C2 (Side B) | $\triangle$ 1-804-616-21 | 1.10 A/20 °C |
| SY-408     | THP1     | B3 (Side A) | $\triangle$ 1-802-063-21 | 1.10 A/20 °C |
|            | THP101   | C3 (Side A) | $\triangle$ 1-803-615-21 | 0.50 A/20 °C |
|            | THP102   | D2 (Side B) | $\triangle$ 1-803-615-21 | 0.50 A/20 °C |
|            | THP103   | D2 (Side B) | $\triangle$ 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

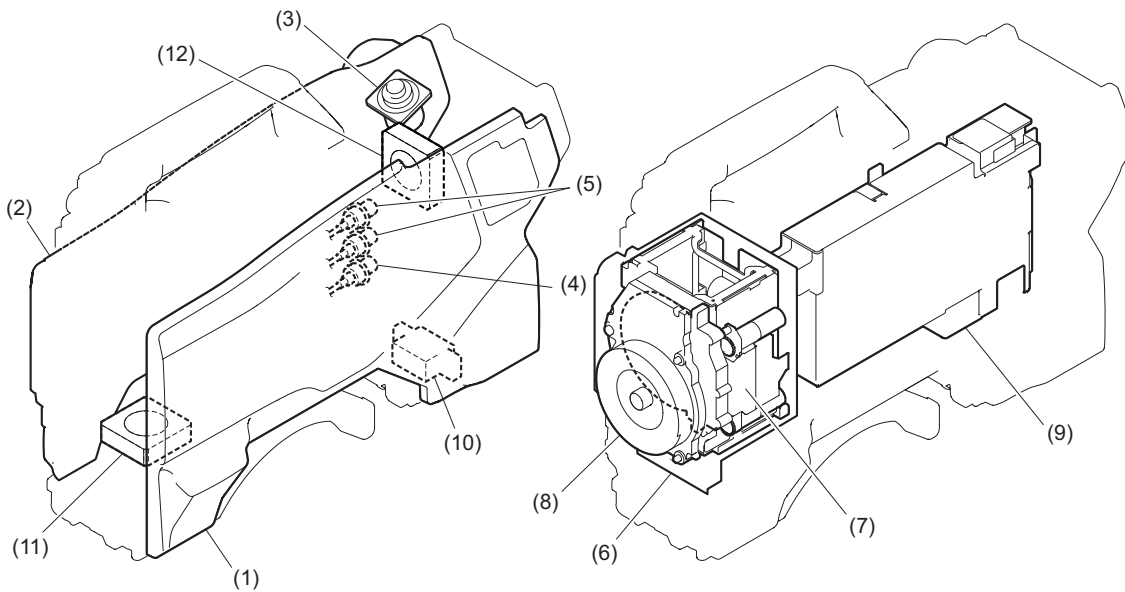
This section explains the replacement procedures of periodic replacement parts, main mechanical parts, and mounted circuit boards.

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

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

This section describes the replacement procedure of the parts below.

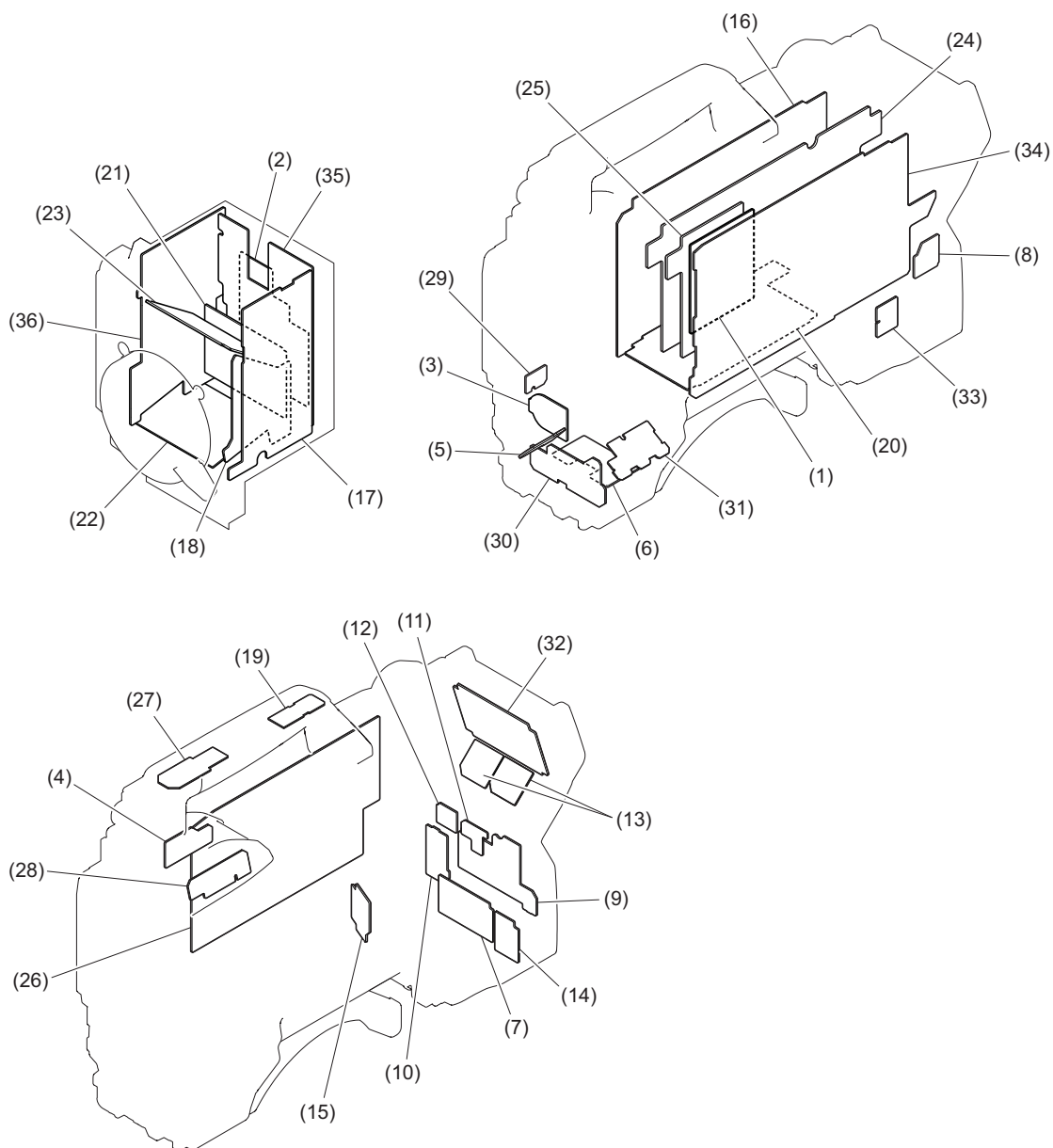
##### Mechanical parts



| 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="#">“2-3-4. Optical Multi Cable Assembly”</a>                     |
| (4)  | PROMPTER Connector           | <a href="#">“2-3-5. PROMPTER Connector”</a>                               |
| (5)  | Coaxial Cable                | <a href="#">“2-3-6. Coaxial Cable”</a>                                    |
| (6)  | Front Assembly               | <a href="#">“2-4. Front Assembly”</a>                                     |
| (7)  | FD Assembly                  | <a href="#">“2-5-1. FD (Filter Disk) Assembly/OHB Assembly”</a>           |
| (8)  | OHB Assembly                 | <a href="#">“2-5-1. FD (Filter Disk) Assembly/OHB Assembly”</a>           |
| (9)  | Power Block Assembly         | <a href="#">“2-7-2. Power Block Assembly (RE-291 Board/PS-836 Board)”</a> |
| (10) | BUILD UP Connector           | <a href="#">“2-7-13. BUILD UP Connector”</a>                              |
| (11) | DC Fan (Front)               | <a href="#">“2-8-1. DC Fan (Front)”</a>                                   |
| (12) | DC Fan (Rear)                | <a href="#">“2-8-2. 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="#">“2-7-1. SY-408 Board/AT-189 Board”</a>                           | -                       |
| (2)  | CN-3315 board | <a href="#">“2-5-4. CN-3315 Board”</a>                                       | -                       |
| (3)  | CN-3421 board | <a href="#">“2-7-8. CN-3421 Board”</a>                                       | -                       |
| (4)  | CN-3422 board | <a href="#">“2-6-2. VF Connector (CN-3422 Board)”</a>                        | -                       |
| (5)  | CN-3423 board | <a href="#">“2-7-6. CN-3423 Board”</a>                                       | -                       |
| (6)  | CN-3424 board | <a href="#">“2-7-10. CN-3424 Board”</a>                                      | -                       |
| (7)  | CN-3425 board | <a href="#">“2-9-2. AUDIO IN Connector (CN-3425 Board)”</a>                  | -                       |
| (8)  | CN-3426 board | <a href="#">“2-7-11. CN-3426 Board”</a>                                      | -                       |
| (9)  | CN-3427 board | <a href="#">“2-9-1. CN-3429 Board/CN-3427 Board”</a>                         | -                       |
| (10) | CN-3428 board | <a href="#">“2-9-3. PROMPTER/GENLOCK/TEST OUT Connector (CN-3428 Board)”</a> | -                       |
| (11) | CN-3429 board | <a href="#">“2-9-1. CN-3429 Board/CN-3427 Board”</a>                         | -                       |
| (12) | CN-3430 board | <a href="#">“2-9-4. REMOTE Connector (CN-3430 Board)”</a>                    | -                       |

Continued

| No.  | Board name                    | Procedure                                                 | Steps after replacement         |
|------|-------------------------------|-----------------------------------------------------------|---------------------------------|
| (13) | CN-3431 board                 | "2-10-1. INTERCOM Connector (CN-3431 Board)"              | -                               |
| (14) | CN-3432 board                 | "2-9-5. DC IN Connector (CN-3432 Board)"                  | -                               |
| (15) | CN-3434 board                 | "2-3-3. CN-3434 Board"                                    | -                               |
| (16) | DPR-338 board                 | "2-7-3. DPR-338 Board"                                    | -                               |
| (17) | DR-657 board                  | "2-5-2. DR-657 Board"                                     | -                               |
| (18) | IF-1168 board                 | "2-5-3. IF-1168 Board"                                    | -                               |
| (19) | LE-376 board                  | "2-6-1. LE-376 Board/SW-1524 Board"                       | -                               |
| (20) | MB-1179 board                 | "2-7-4. MB-1179 Board"                                    | "1-5. Notes on Board Replacing" |
| (21) | PA-388 board                  | "2-5-7. PA-388/PA-389/PA-390 Board"                       | -                               |
| (22) | PA-389 board                  | "2-5-7. PA-388/PA-389/PA-390 Board"                       | -                               |
| (23) | PA-390 board                  | "2-5-7. PA-388/PA-389/PA-390 Board"                       | -                               |
| (24) | PS-836 board                  | "2-7-2. Power Block Assembly (RE-291 Board/PS-836 Board)" | -                               |
| (25) | RE-291 board                  | "2-7-2. Power Block Assembly (RE-291 Board/PS-836 Board)" | -                               |
| (26) | SDI-109 board                 | "2-3-2. SDI-109 Board"                                    | -                               |
| (27) | SW-1524 board                 | "2-6-1. LE-376 Board/SW-1524 Board"                       | -                               |
| (28) | SW-1525 board                 | "2-6-3. SW-1525 Board"                                    | -                               |
| (29) | SW-1526 board                 | "2-7-7. SW-1526 Board"                                    | -                               |
| (30) | SW-1527 board                 | "2-7-5. SW-1527 Board"                                    | -                               |
| (31) | SW-1528 board                 | "2-7-9. SW-1528 Board"                                    | -                               |
| (32) | SW-1530/<br>SW-1530A<br>board | "2-10-2. SW-1530 Board/SW-1530A Board"                    | -                               |
| (33) | SW-1531 board                 | "2-7-12. SW-1531 Board"                                   | -                               |
| (34) | SY-408 board                  | "2-7-1. SY-408 Board/AT-189 Board"                        | "1-5. Notes on Board Replacing" |
| (35) | TG-276 board                  | "2-5-6. TG-276 Board"                                     | "1-5. Notes on Board Replacing" |
| (36) | VA-243 board                  | "2-5-5. VA-243 Board"                                     | -                               |

## 2-1-2. Basic Knowledge

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

When installing the flexible card wire and fine-wire coaxial cable, connect the wire securely referring to "[1-14-1. Connecting/Disconnecting Flexible Card Wire](#)".

## 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**

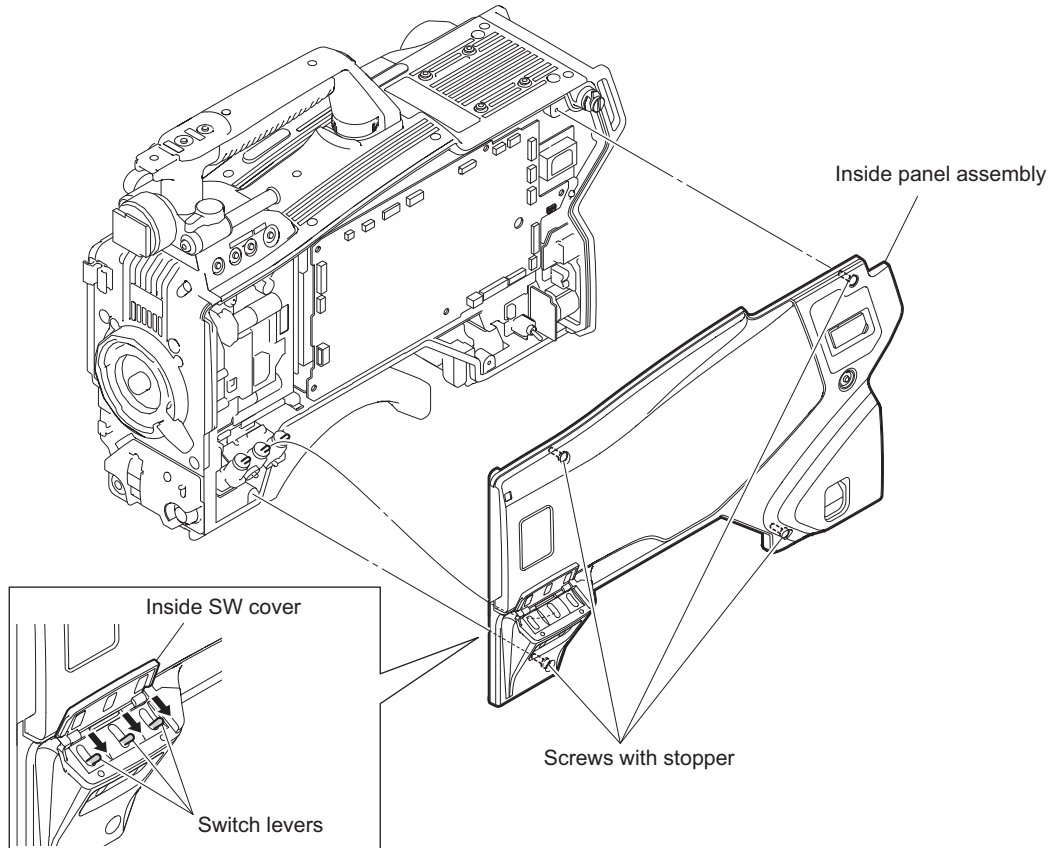
Since small screws are used in this unit, they may fall into the unit when they are removed and installed. To prevent screws from falling, it is recommended that the bit of each torque driver be magnetized to a degree that prevents screws from falling.



## 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.



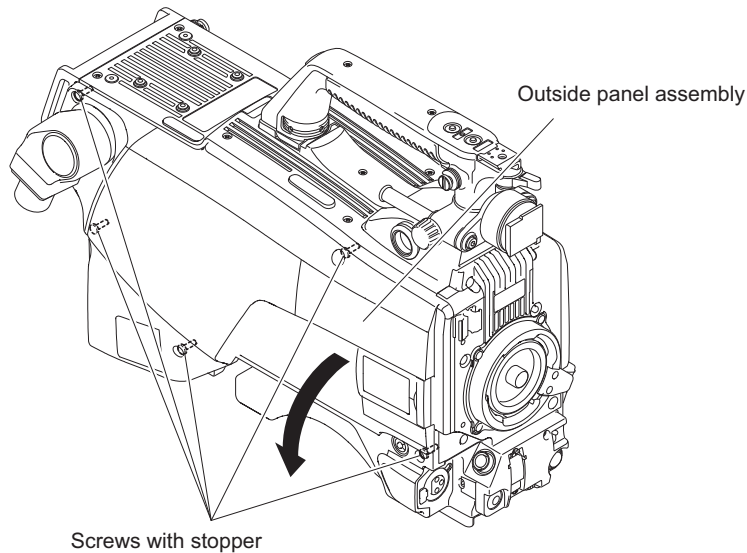
3. Turn the three switch levers in the direction of arrow.
4. Install the inside panel assembly and tighten the four screws with stopper.

## 2-3. Outside

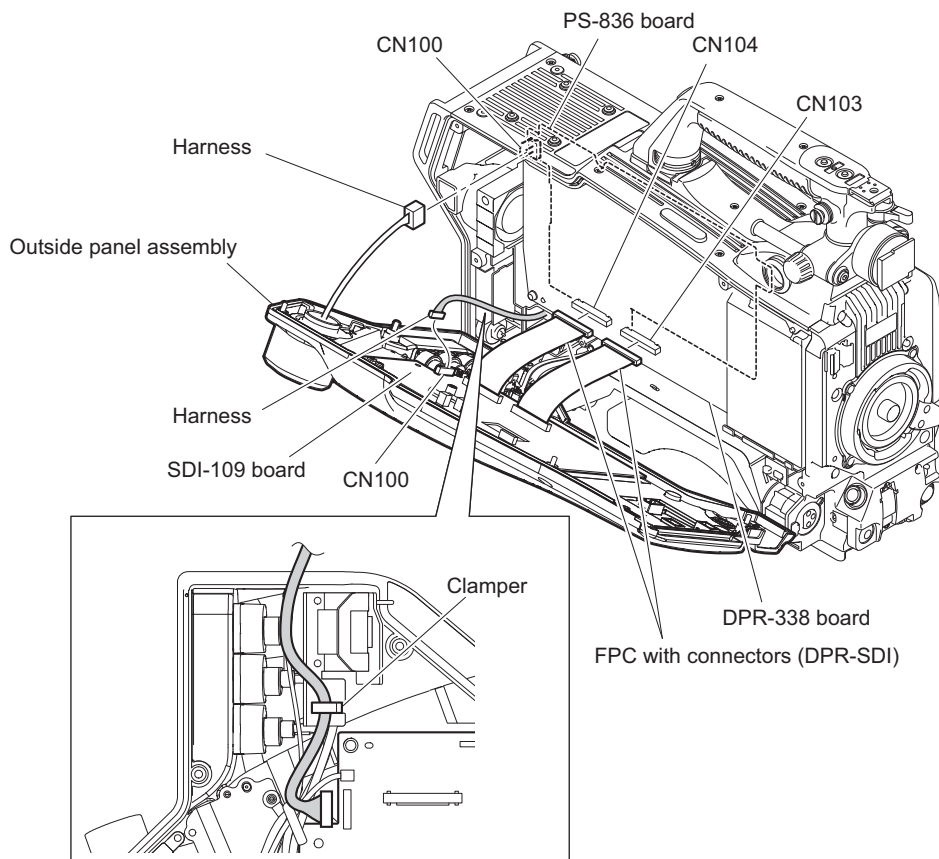
### 2-3-1. Outside Panel Assembly

#### Procedure

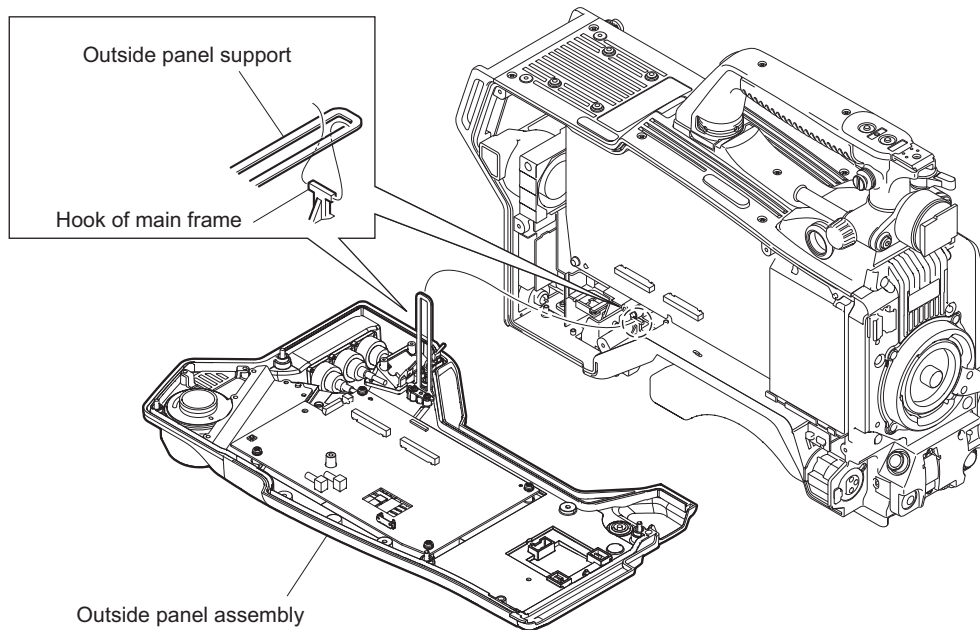
1. Loosen the four screws with stopper to open the outside panel assembly in the direction of arrow.



2. Disconnect the harness from the connector (CN100) on the PS-836 board and release the harness from the clamper.
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 release the harness from the clamper.



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

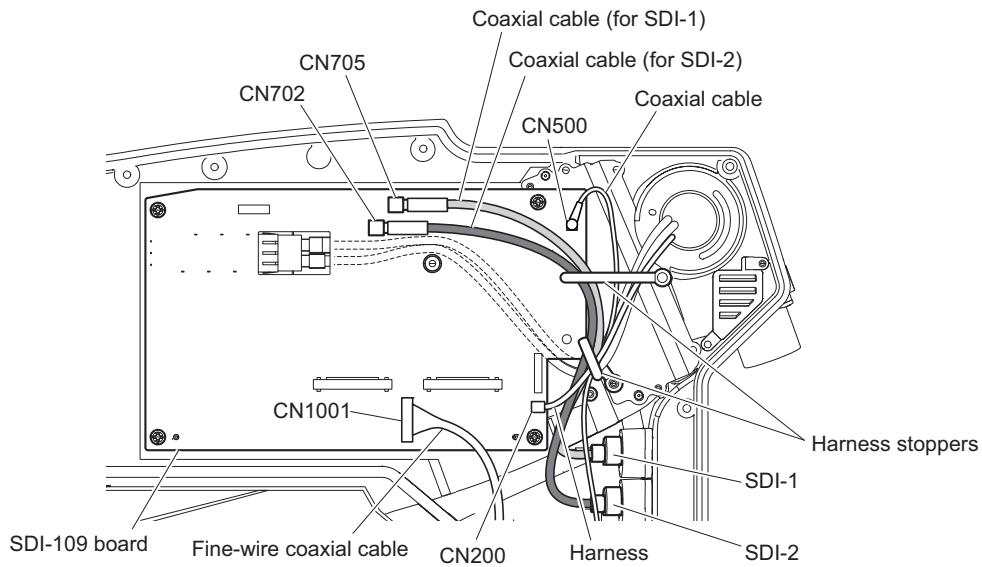
### Preparation

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

### Procedure

1. Disconnect the three coaxial cables from the three connectors (CN702, CN705, and CN500) on the SDI-109 board.
2. Disconnect the fine-wire coaxial cable from the connector (CN1001) on the SDI-109 board.
3. Disconnect the harness from the connector (CN200) on the SDI-109 board.

4. Release the coaxial cables and the harness from the two harness stoppers.

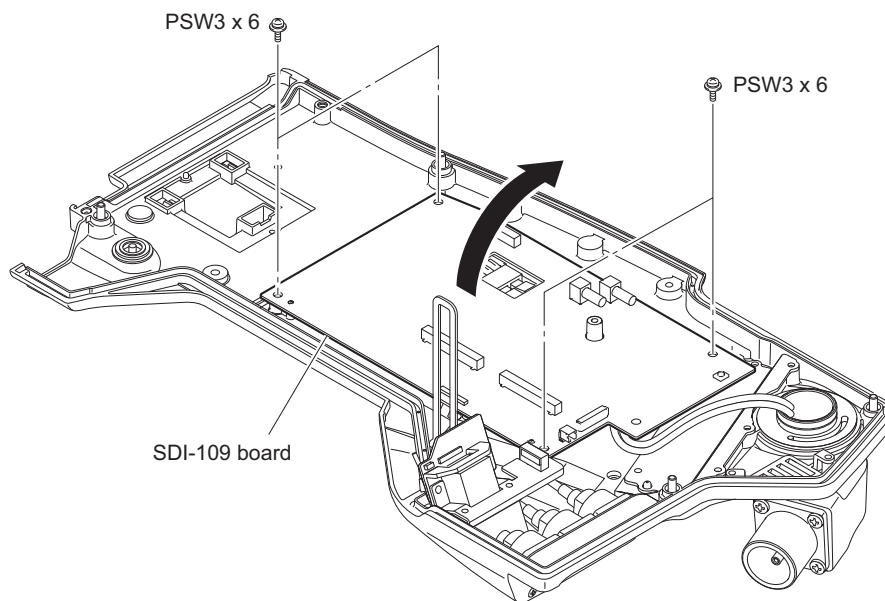


#### Notes

When reconnecting the coaxial cables, connect correct connectors.

- CN702↔Coaxial cable (for SDI-2)
- CN705↔Coaxial cable (for SDI-1)

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

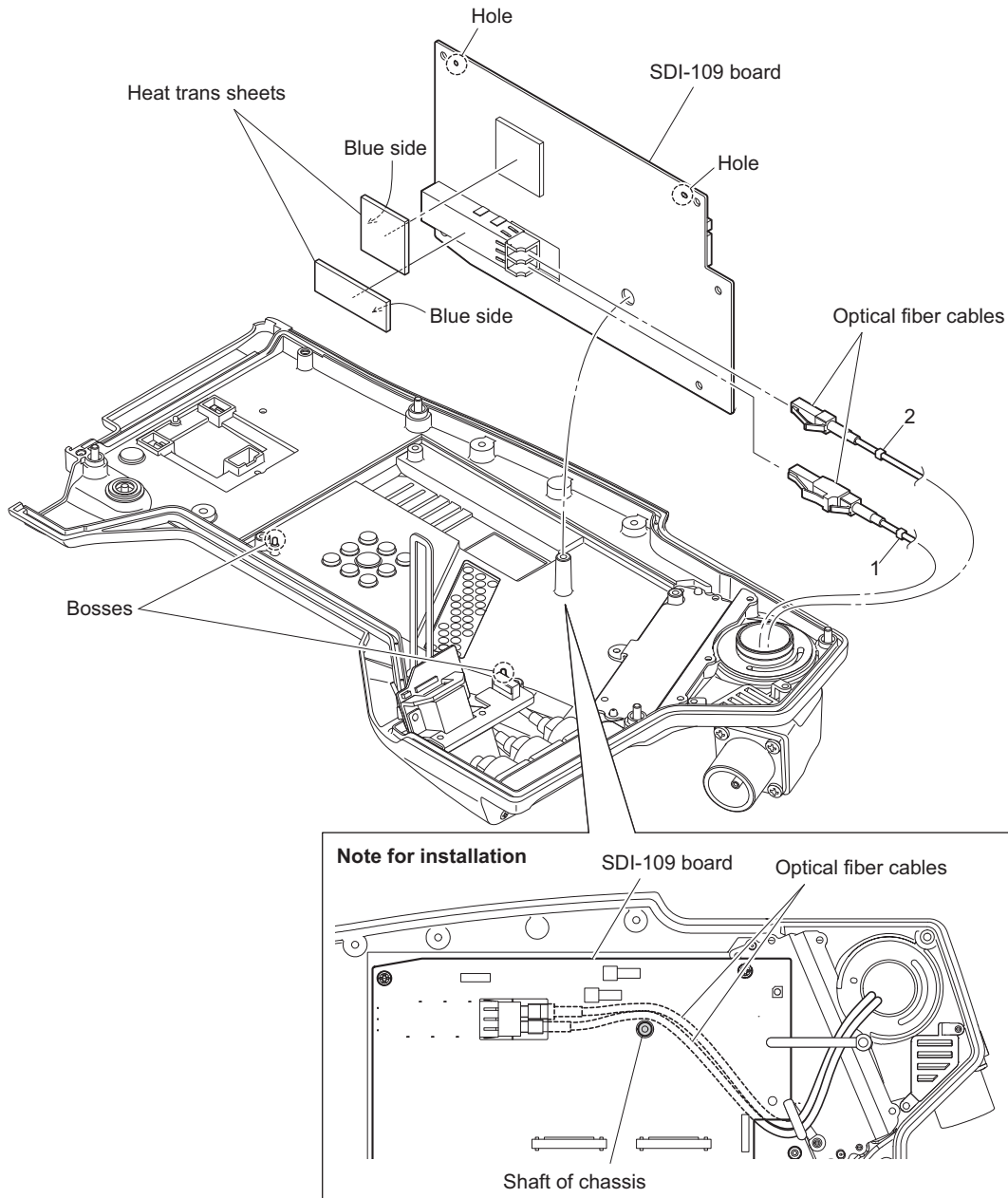


6. Disconnect the two optical fiber cables from the SDI-109 board.

#### Notes

- 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.

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



#### Notes

- 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.

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

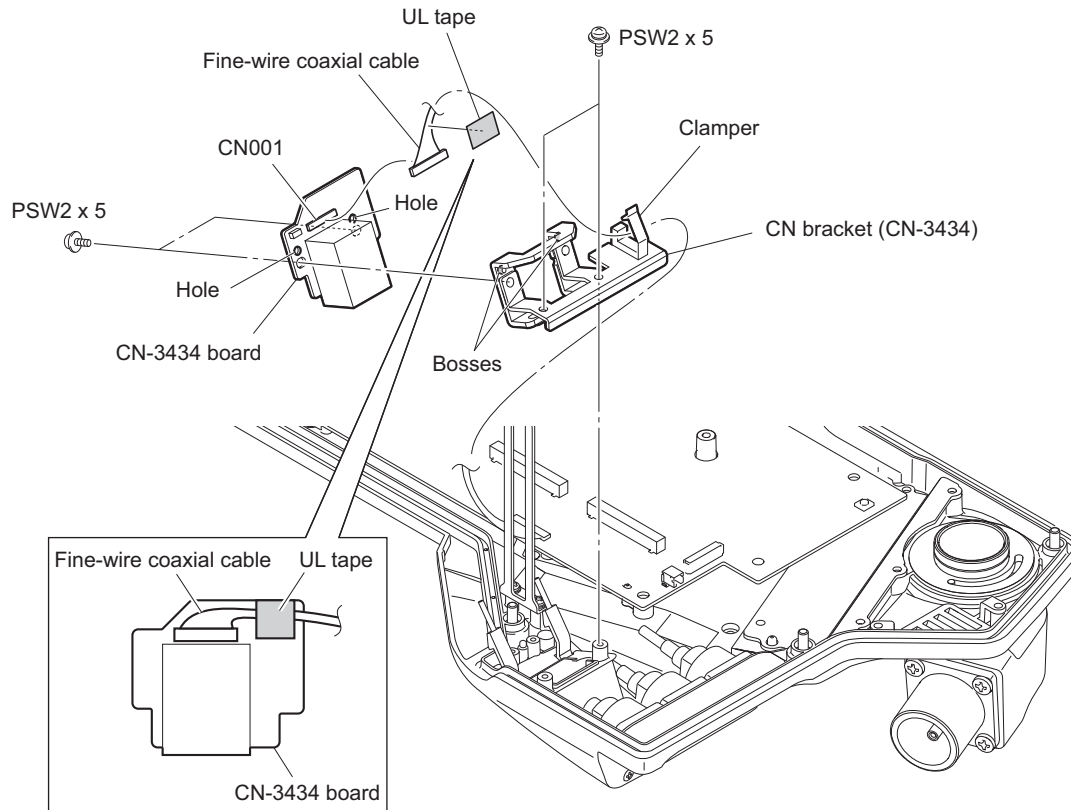
### 2-3-3. CN-3434 Board

#### Preparation

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

## Procedure

1. Remove the UL tape from CN-3434 board.
2. Release the fine-wire coaxial cable from the clumper.
3. Disconnect the fine-wire coaxial cable from the connector (CN001) on the CN-3434 board.
4. Remove the two screws to detach the CN bracket (CN-3434).
5. Remove the two screws to detach the CN-3434 board.



### Notes

- When installing the CN-3434 board, match the two bosses with the two holes.
- When installing the fine-wire coaxial cable, attach the UL tape at the location shown in the figure.

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

## 2-3-4. Optical Multi Cable Assembly

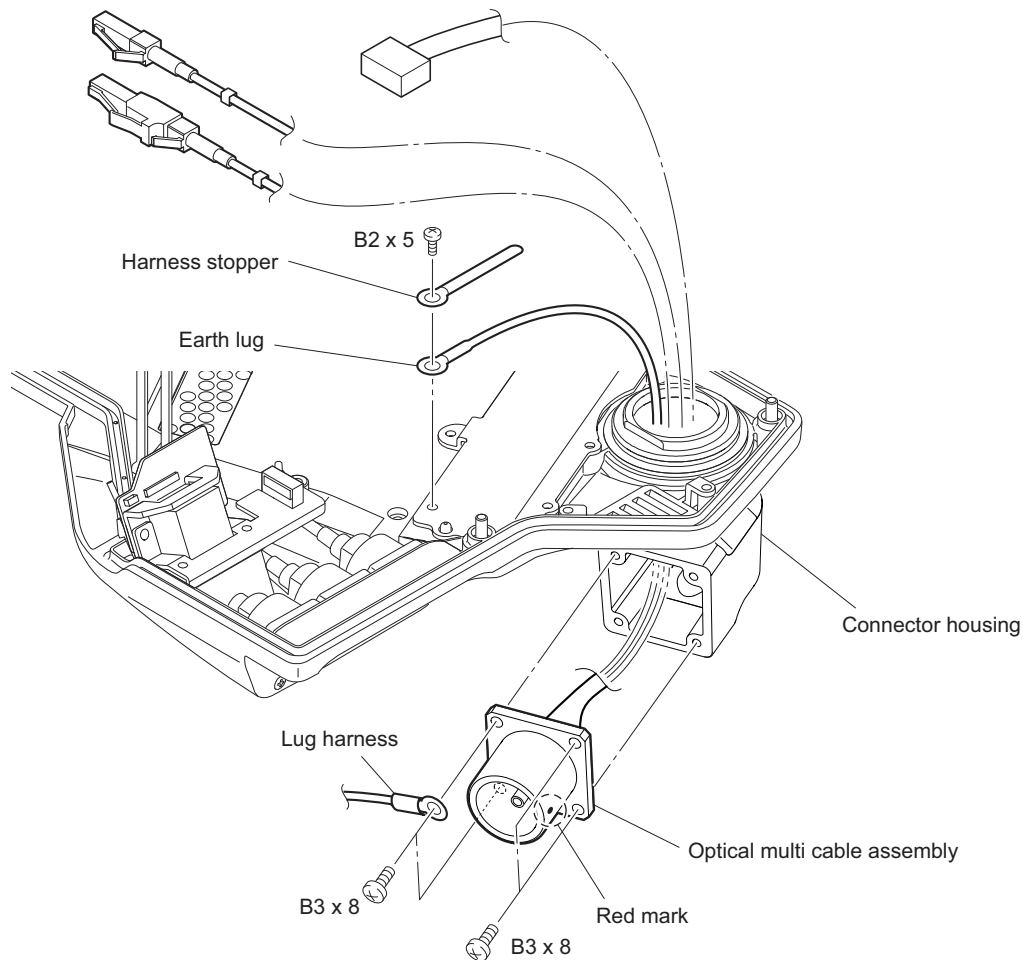
### Preparation

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.

## 2-3-5. PROMPTER Connector

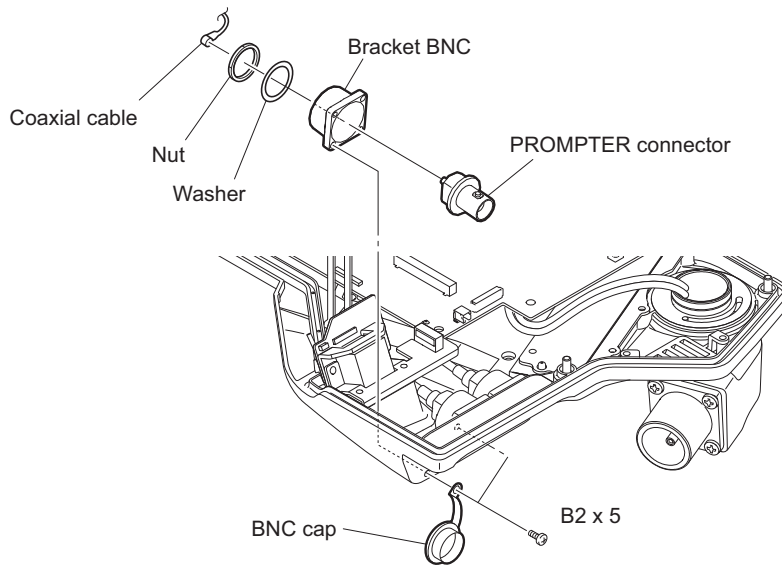
### Preparation

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

### Procedure

1. Remove the two screws to detach the BNC cap and the bracket BNC.
2. Disconnect the coaxial cable from the PROMPTER connector.

3. Remove the nut and washer to detach the PROMPTER connector.



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

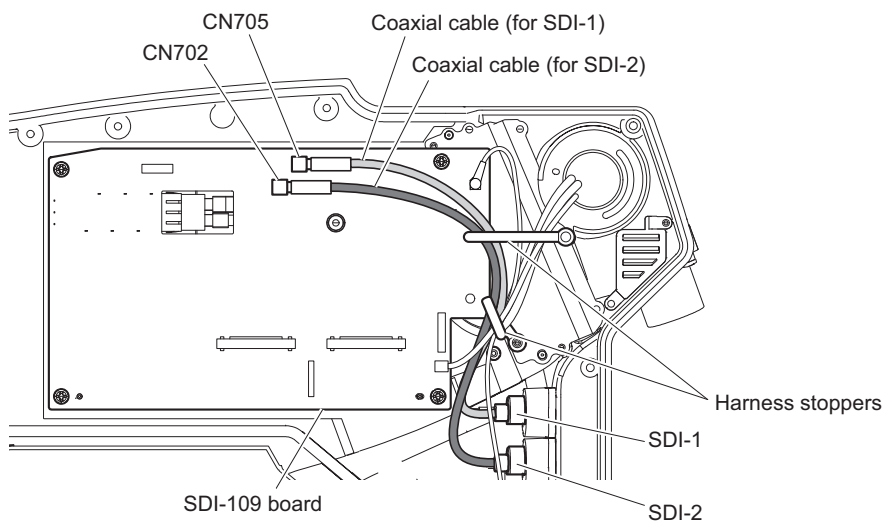
## 2-3-6. Coaxial Cable

### Preparation

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

### Procedure

1. Disconnect the two coaxial cables from the two connectors (CN702, CN705) on the SDI-109 board.
2. Release the coaxial cables from the two harness stoppers.



### Notes

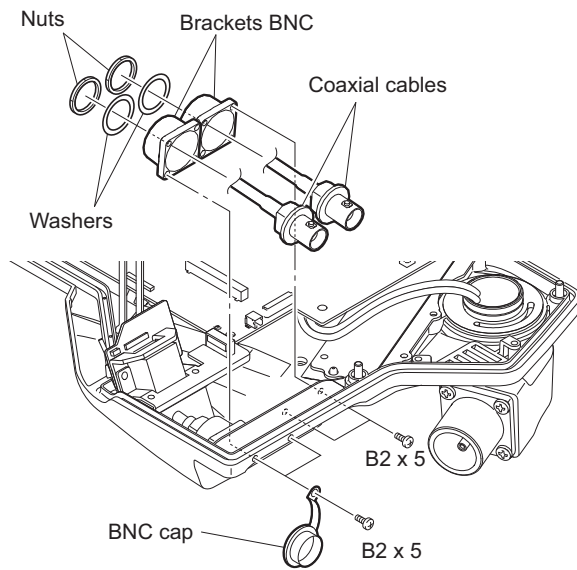
When reconnecting the coaxial cables, connect correct connectors.

- CN702 ↔ Coaxial cable (for SDI-2)
- CN705 ↔ Coaxial cable (for SDI-1)

3. Remove the four screws to detach the two BNC caps and two brackets BNC.



4. Remove the two nuts and the two washers to detach the two coaxial cables.

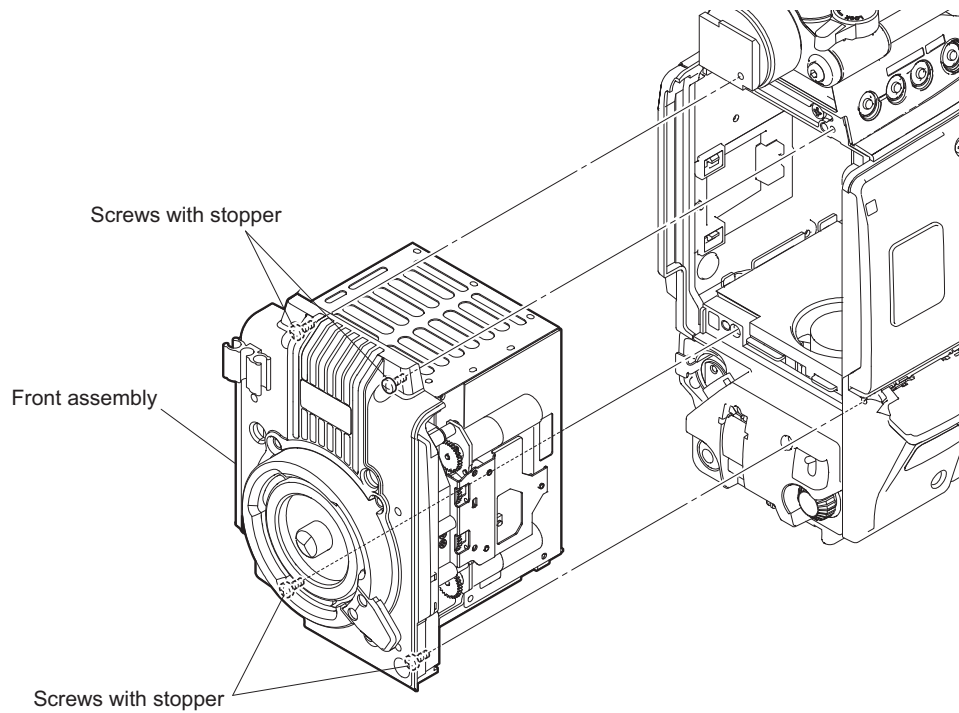


5. Install the removed parts by reversing the steps of removal.

## 2-4. 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.

## 2-5. OHB Block

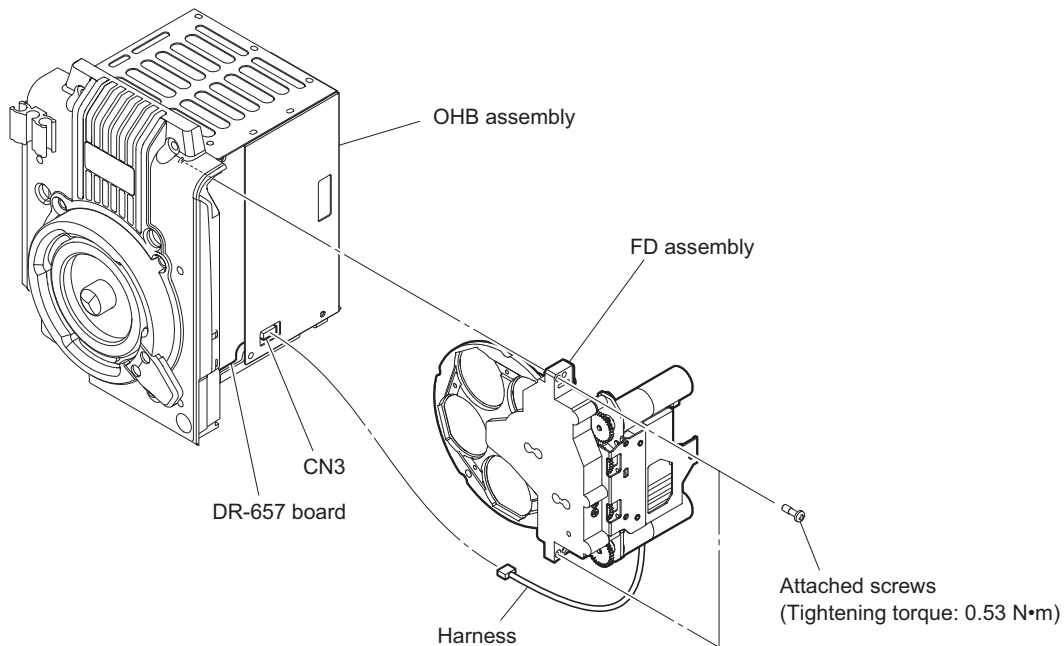
### 2-5-1. FD (Filter Disk) Assembly/OHB Assembly

#### Preparation

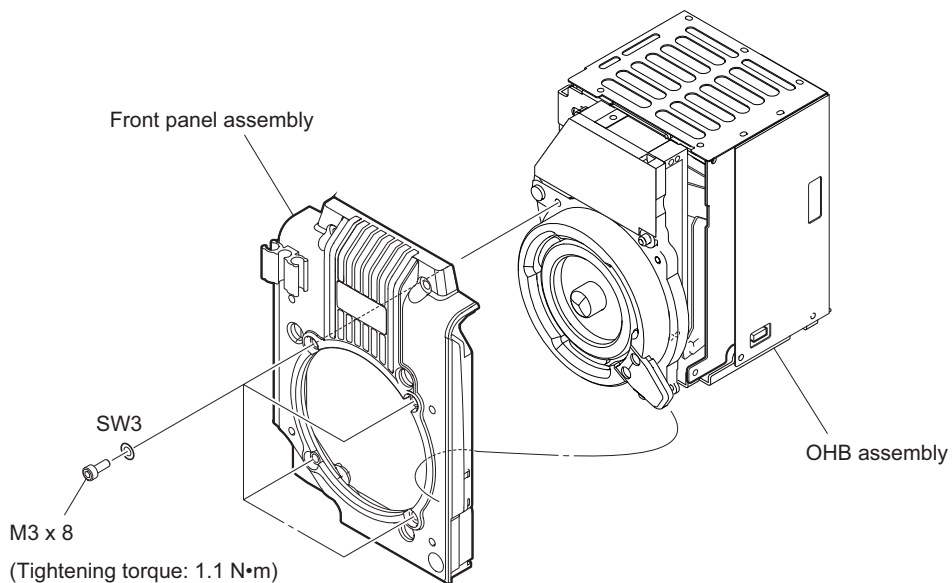
1. Remove the front assembly. (Refer to [“2-4. Front Assembly”](#).)

#### Procedure

1. Disconnect the harness from the connector (CN3) on the DR-657 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.

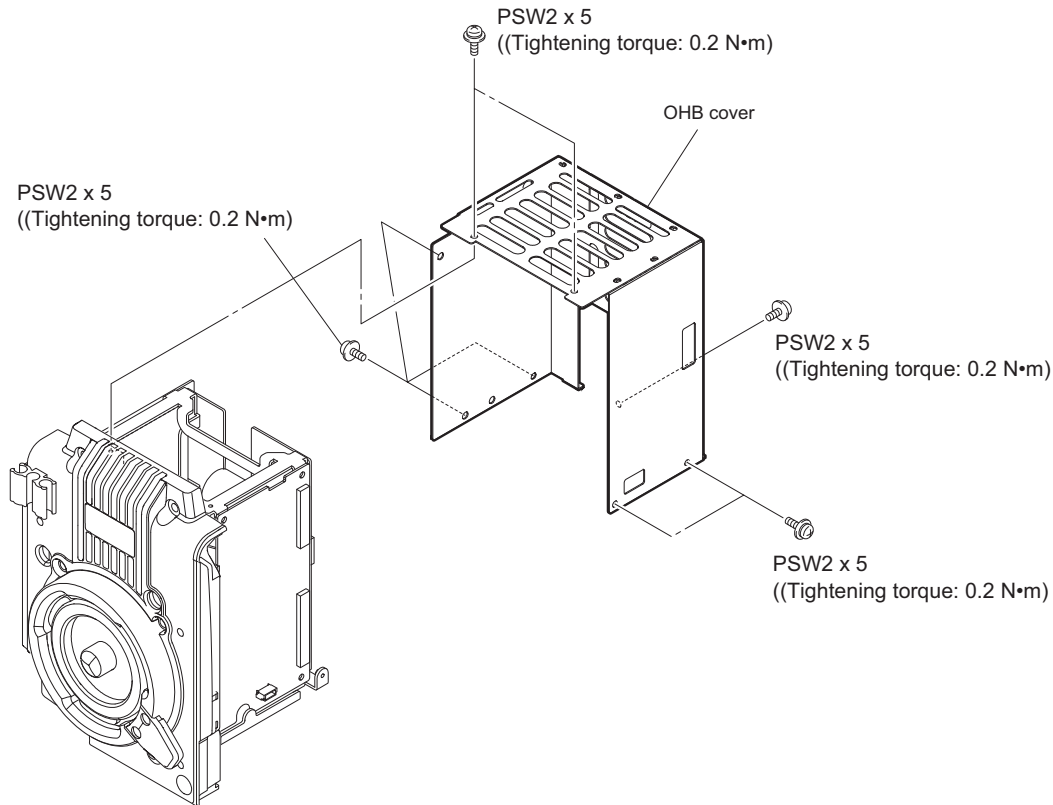
## 2-5-2. DR-657 Board

### Preparation

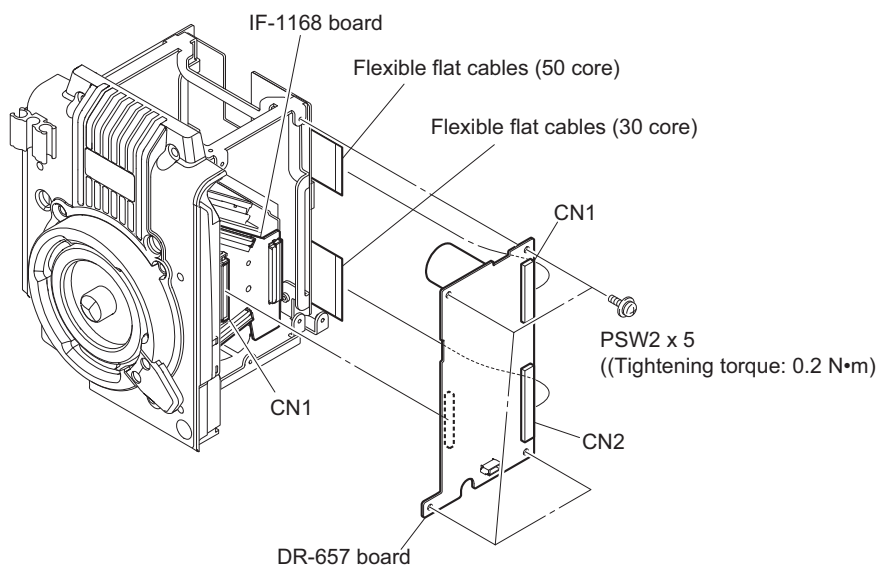
1. Remove the front assembly. (Refer to “2-4. Front Assembly”.)
2. Remove the FD Assembly. (Refer to “2-5-1. FD (Filter Disk) Assembly/OHB Assembly”.)

### 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-657 board.
3. Remove the four screws to detach the DR-657 board from the connector (CN1) on the IF-1168 board.



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

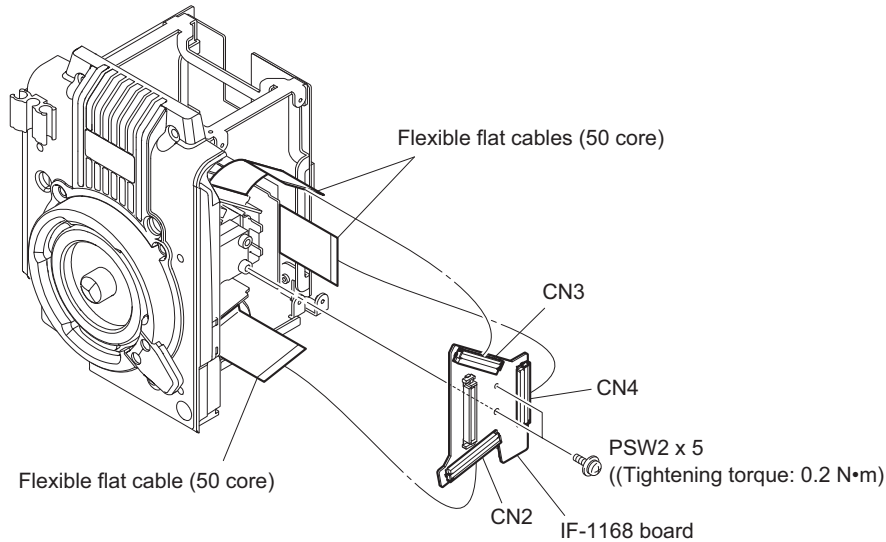
### 2-5-3. IF-1168 Board

#### Preparation

1. Remove the front assembly. (Refer to “2-4. Front Assembly”.)
2. REMOVE THE FD ASSEMBLY. (Refer to “2-5-1. FD (Filter Disk) Assembly/OHB Assembly”.)
3. Remove the DR-657 Board. (Refer to “2-5-2. DR-657 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.

### 2-5-4. CN-3315 Board

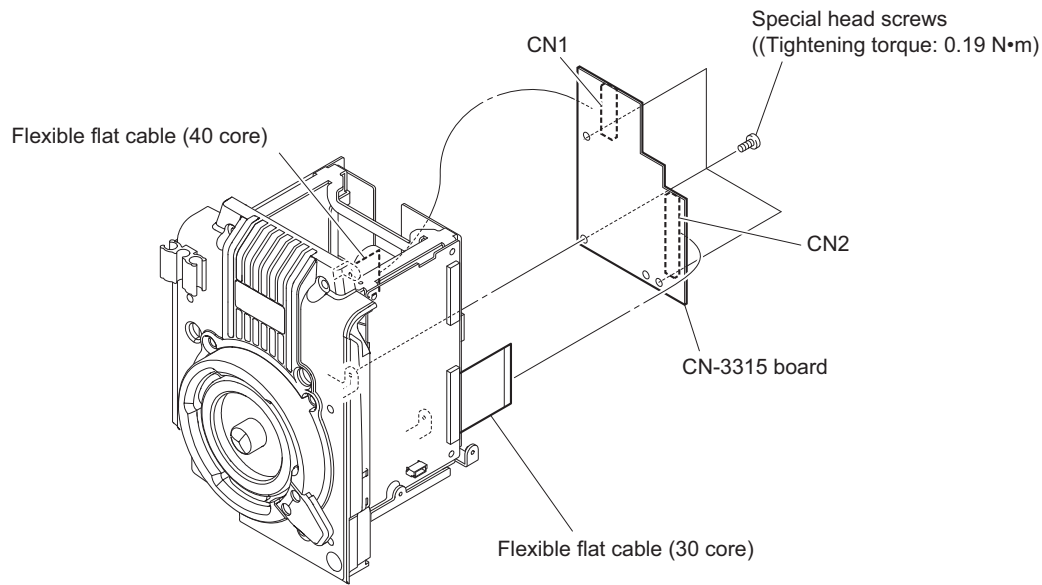
#### Preparation

1. Remove the front assembly. (Refer to “2-4. Front Assembly”.)
2. Remove the FD Assembly. (Refer to “2-5-1. FD (Filter Disk) Assembly/OHB Assembly”.)
3. Remove the OHB Cover. (Refer to “2-5-2. DR-657 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.

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

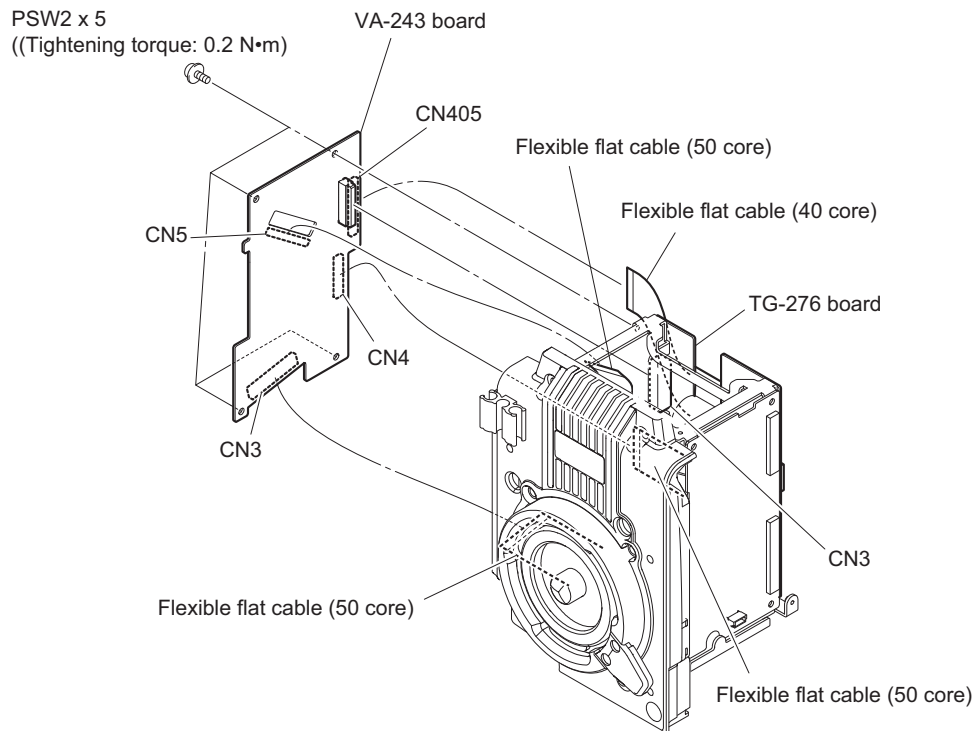
### Preparation

1. Remove the front assembly. (Refer to “[2-4. Front Assembly](#)”.)
2. Remove the FD Assembly. (Refer to “[2-5-1. FD \(Filter Disk\) Assembly/OHB Assembly](#)”.)
3. Remove the OHB Cover. (Refer to “[2-5-2. DR-657 Board](#)”.)

### Procedure

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

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



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

## 2-5-6. TG-276 Board

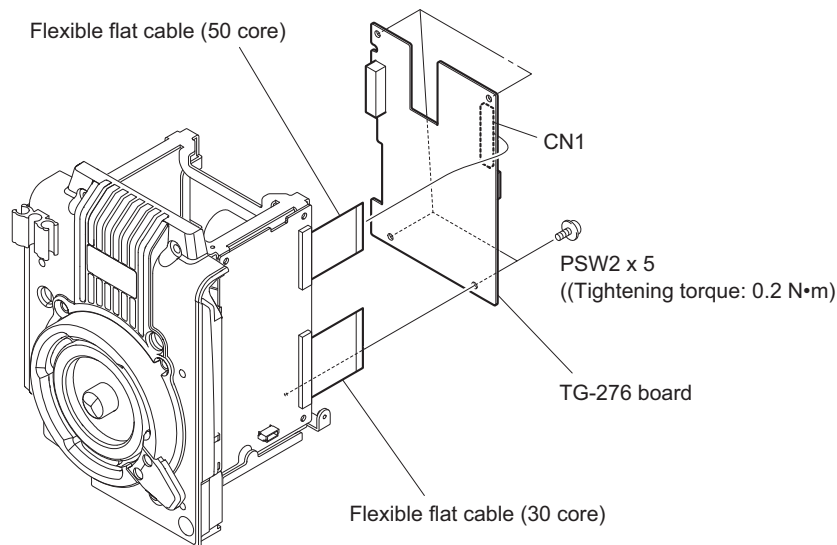
### Preparation

1. Remove the front assembly. (Refer to [“2-4. Front Assembly”](#).)
2. Remove the FD Assembly. (Refer to [“2-5-1. FD \(Filter Disk\) Assembly/OHB Assembly”](#).)
3. Remove the OHB Cover. (Refer to [“2-5-2. DR-657 Board”](#).)
4. Remove the CN-3315 Board. (Refer to [“2-5-4. CN-3315 Board”](#).)
5. Remove the VA-243 Board. (Refer to [“2-5-5. VA-243 Board”](#).)

### Procedure

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

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



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

## 2-5-7. PA-388/PA-389/PA-390 Board

It is recommended that PA-388, PA-389, and PA-390 boards be replaced on an OHB assembly basis

### Note

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

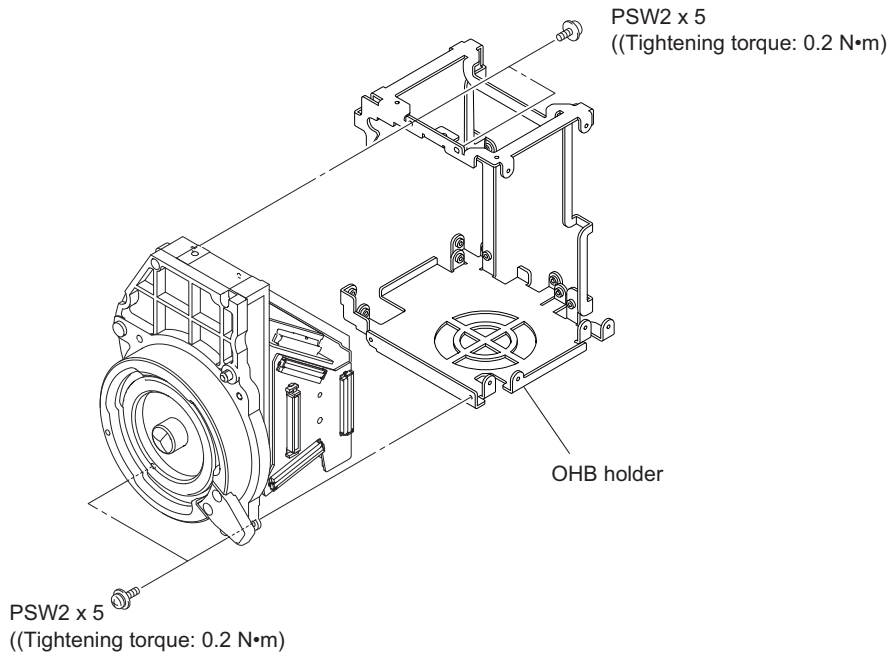
### Preparation

1. Remove the front assembly. (Refer to “2-4. Front Assembly”.)
2. Remove the FD Assembly. (Refer to “2-5-1. FD (Filter Disk) Assembly/OHB Assembly”.)
3. Remove the DR-657 Board. (Refer to “2-5-2. DR-657 Board”.)
4. Remove the CN-3315 Board. (Refer to “2-5-4. CN-3315 Board”.)
5. Remove the VA-243 Board. (Refer to “2-5-5. VA-243 Board”.)
6. Remove the TG-276 Board. (Refer to “2-5-6. TG-276 Board”.)
7. Remove Front Panel Assembly. (Refer to “2-5-1. FD (Filter Disk) Assembly/OHB Assembly”.)

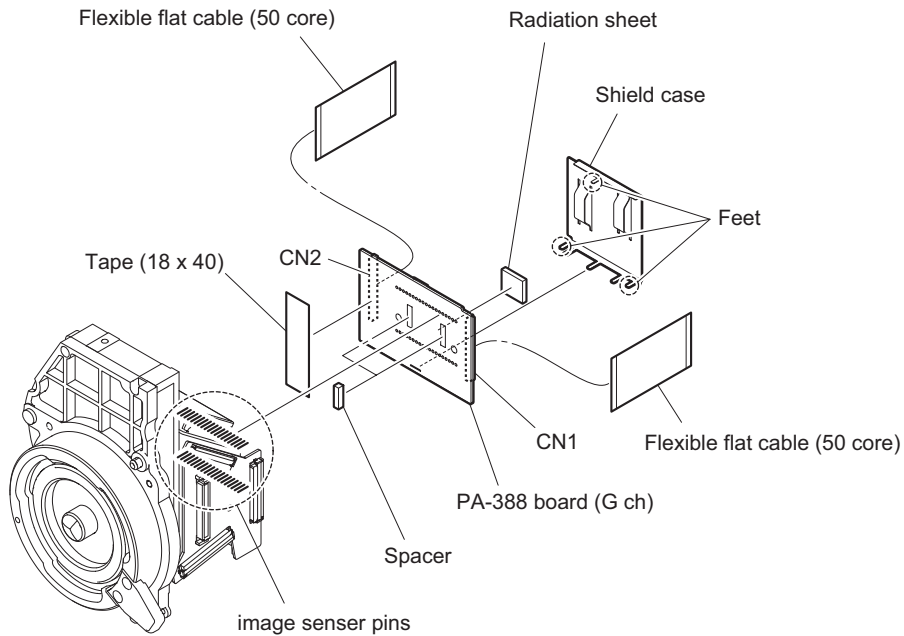


## Procedure

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 connector (CN1, CN2) on the PA-388 board (G ch).
4. Unsolder the image sensor pins to detach the PA-388 board (G ch).
5. Remove the two spacers and the tape (18 x 40) from the PA-388 board (G ch).



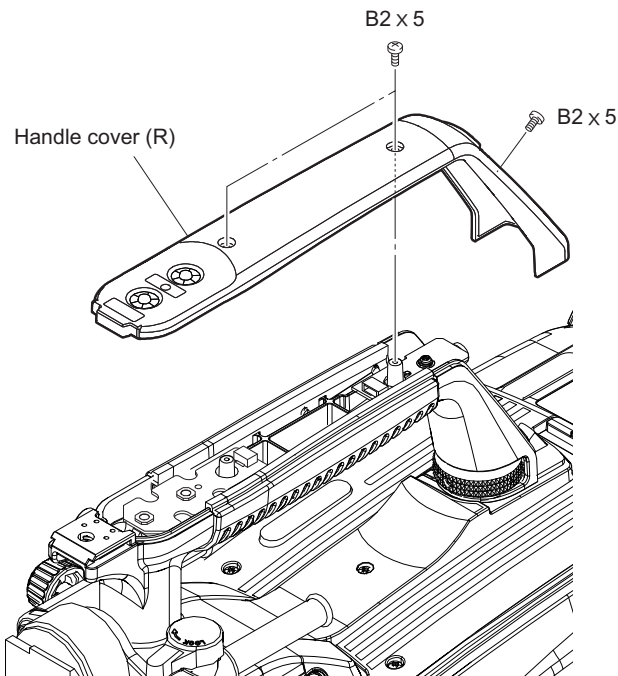
6. Install the removed parts by reversing the steps of removal.

## 2-6. Handle

### 2-6-1. LE-376 Board/SW-1524 Board

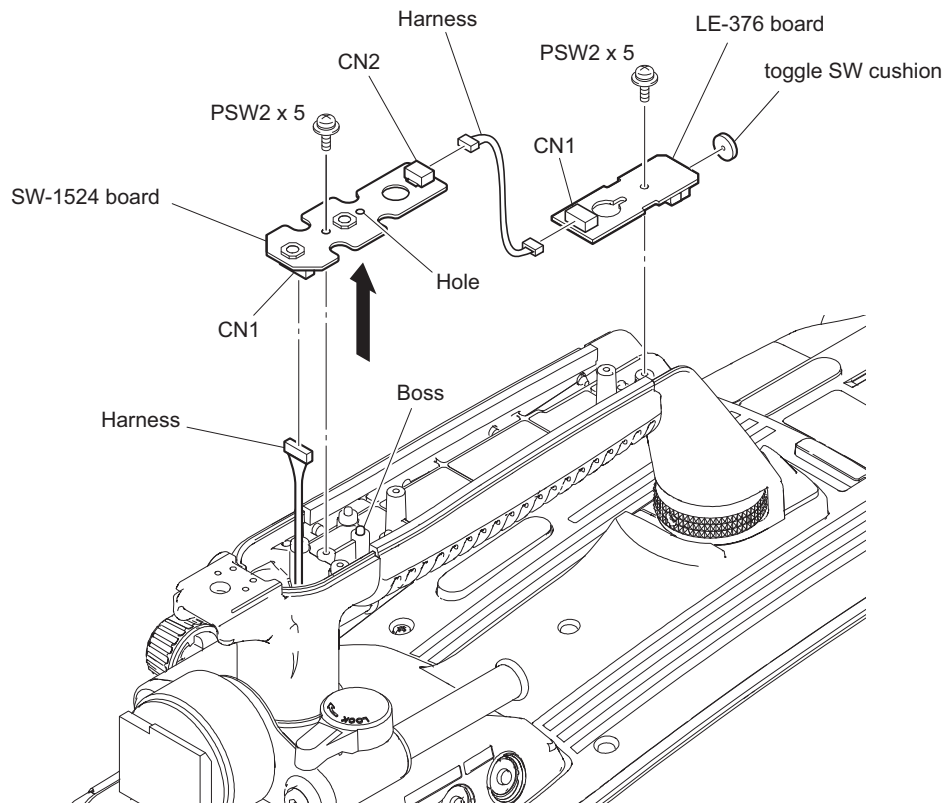
#### Procedure

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.

## 2-6-2. VF Connector (CN-3422 Board)

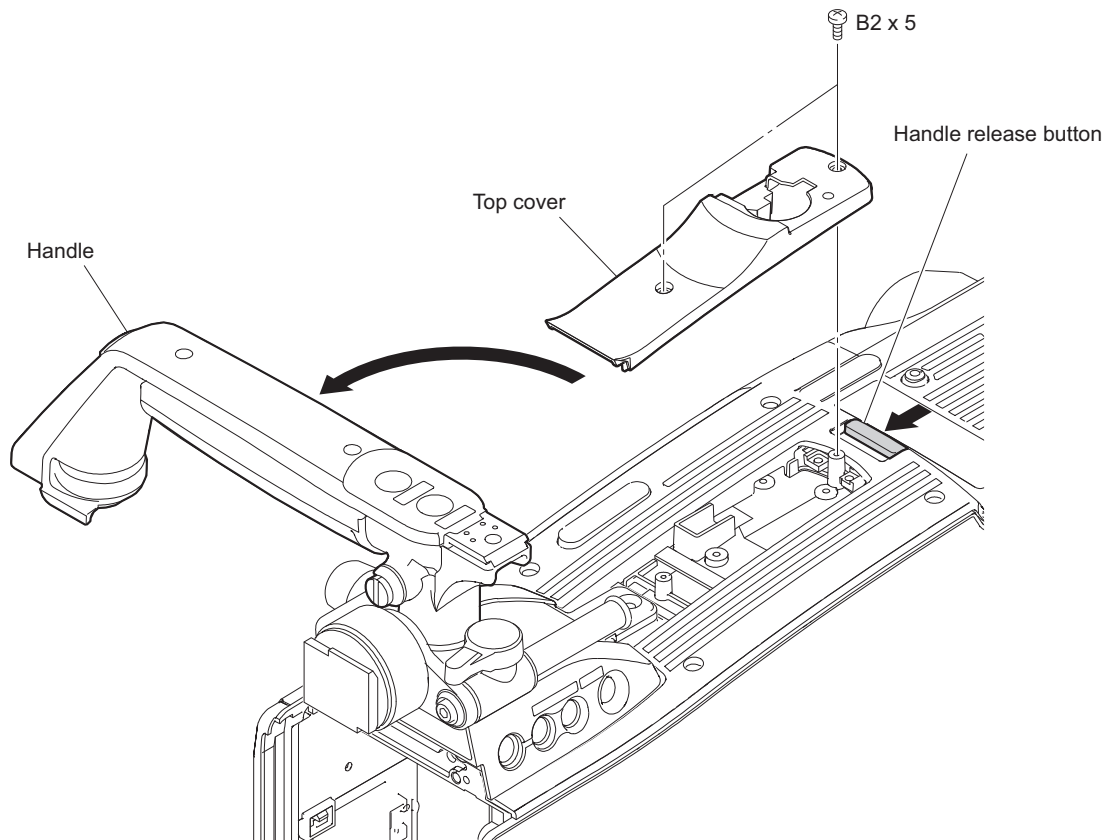
### Preparation

1. Remove the front assembly. (Refer to [“2-4. Front Assembly”](#).)

### Procedure

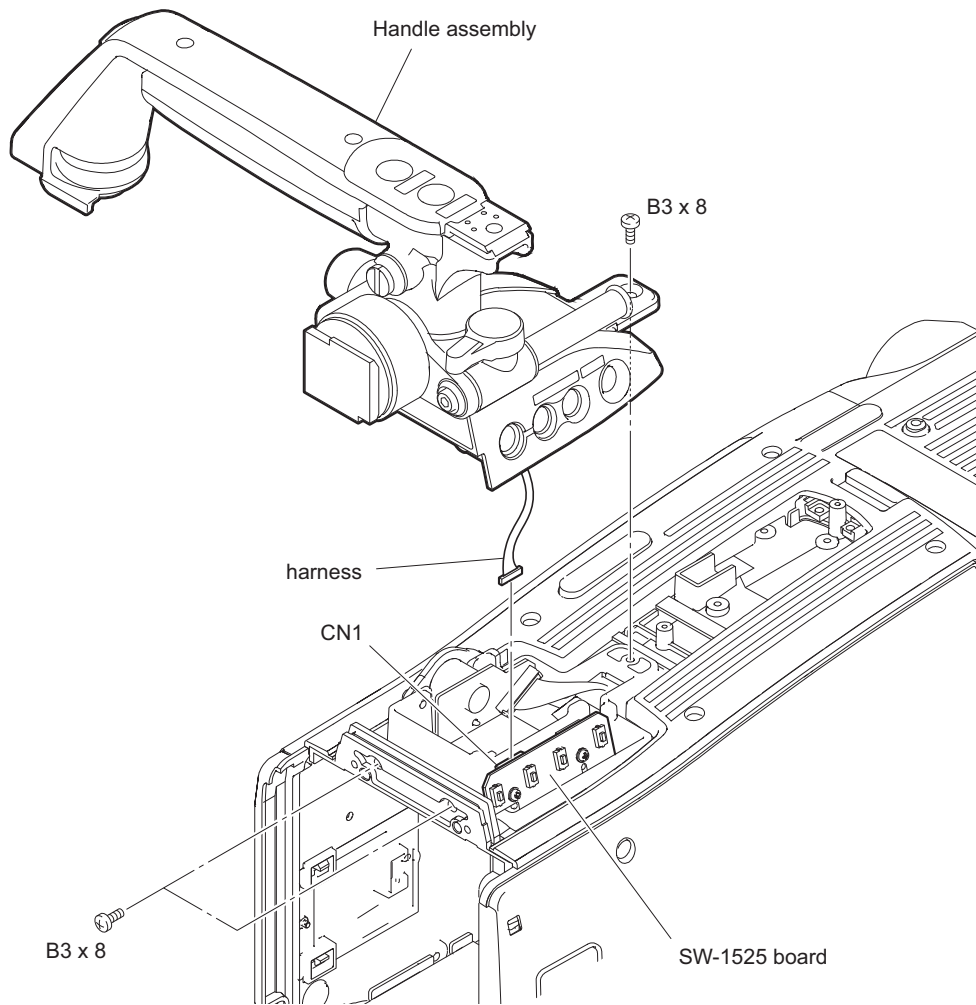
1. Press the handle release button and turn the handle in the direction of arrow.

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

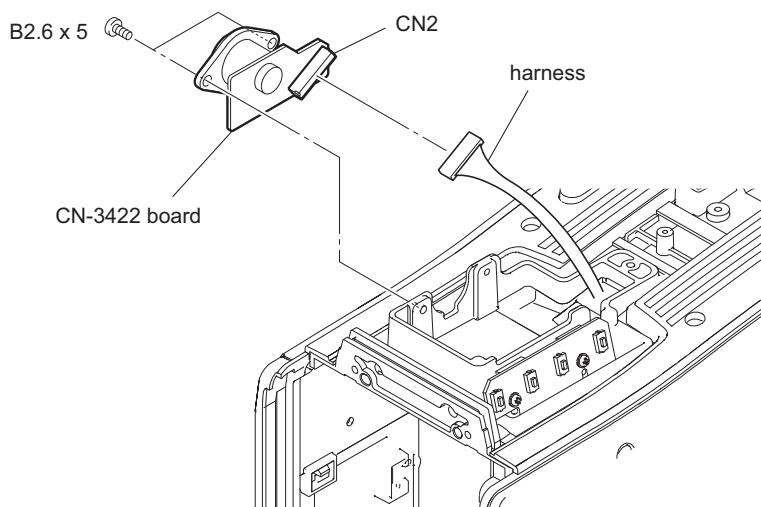


3. Remove the three screws to pull up the handle assembly.

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.

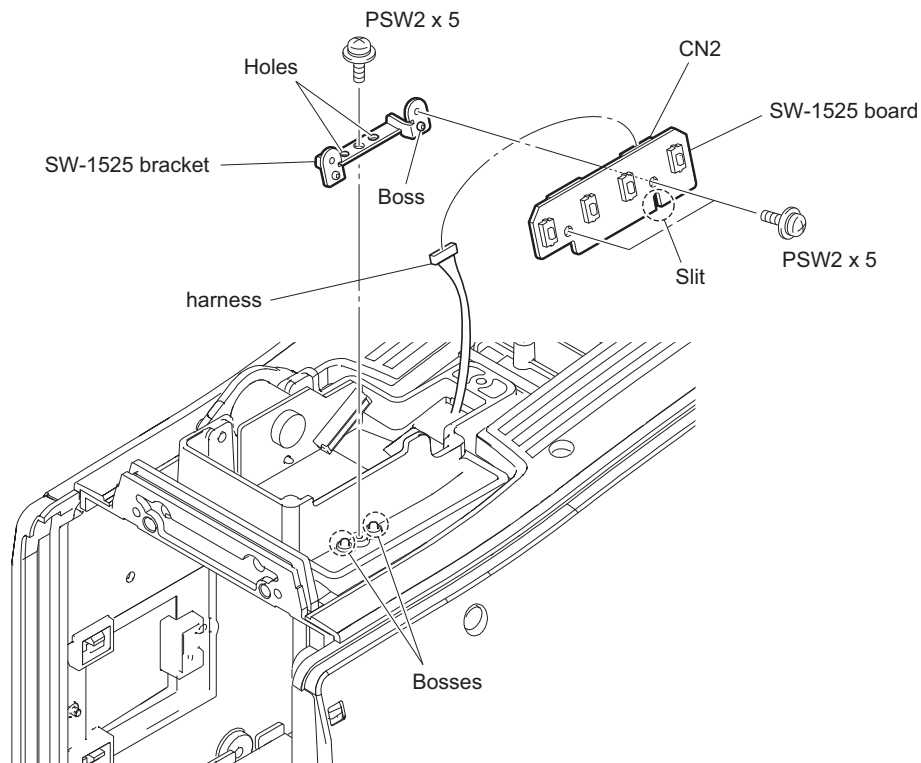
### 2-6-3. SW-1525 Board

#### Preparation

1. Remove the front assembly. (Refer to “2-4. Front Assembly”.)
2. Remove the handle assembly. (Refer to “2-6-2. 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.

## 2-7. Main Chassis

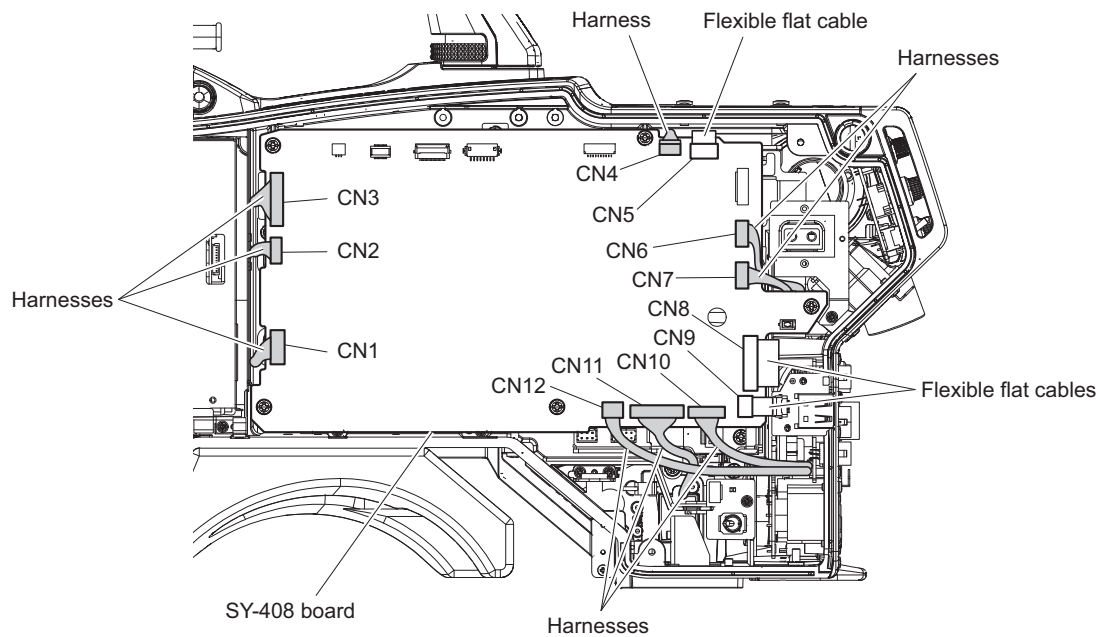
### 2-7-1. SY-408 Board/AT-189 Board

#### Preparation

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

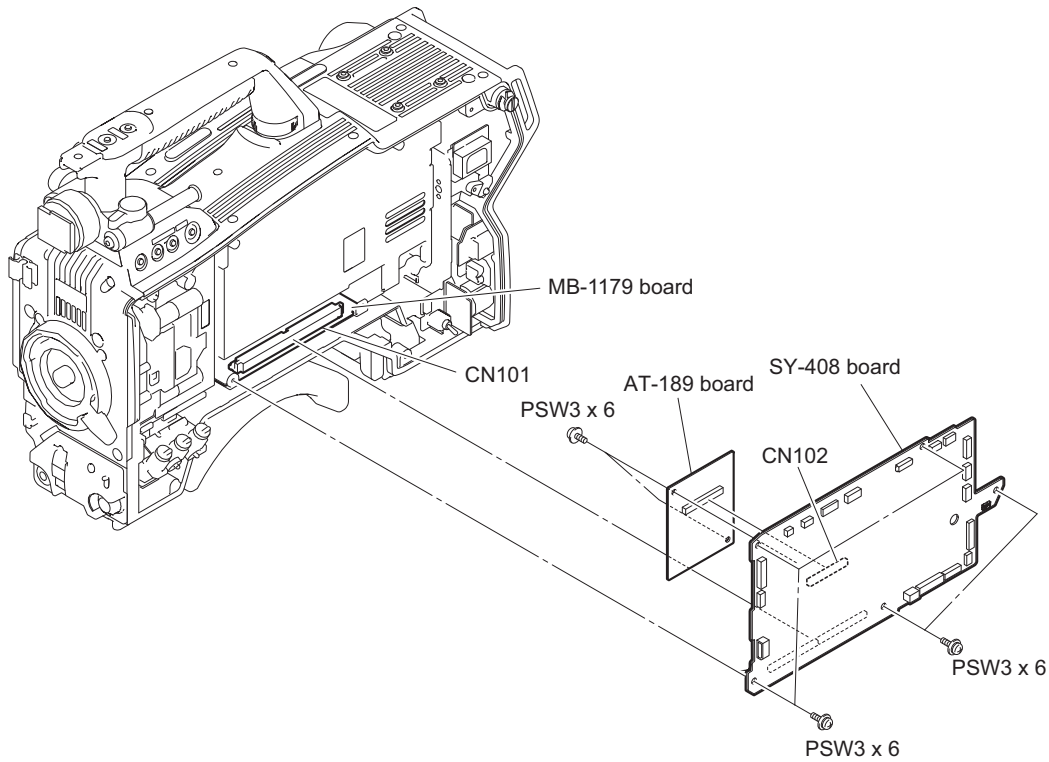
#### Procedure

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



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.

## 2-7-2. Power Block Assembly (RE-291 Board/PS-836 Board)

### Preparation

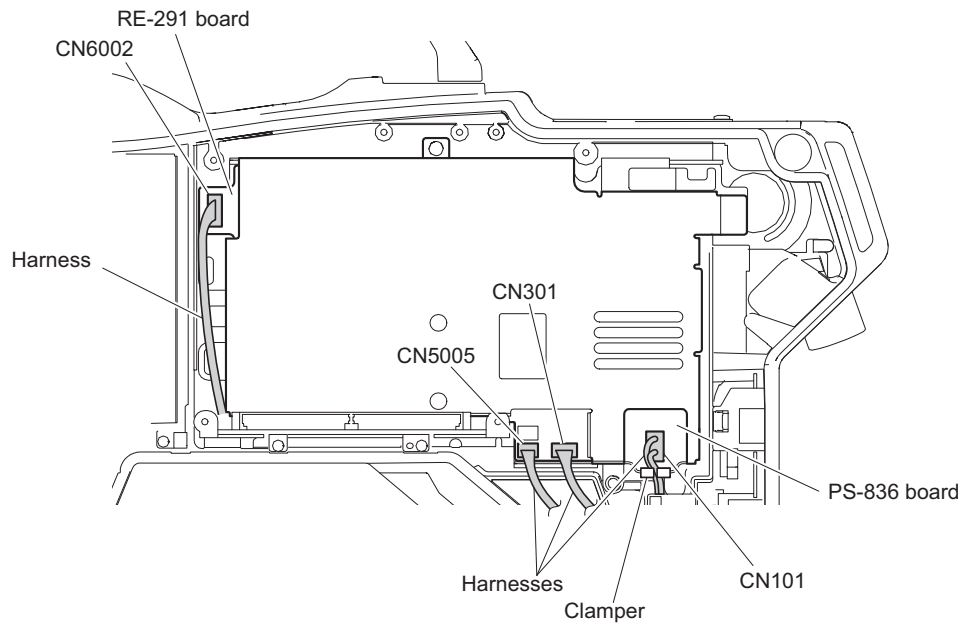
1. Remove the inside panel assembly. (Refer to “[2-2. Inside Panel Assembly](#)”.)
2. Remove the SY-408 Board. (Refer to “[2-7-1. SY-408 Board/AT-189 Board](#)”.)

### Procedure

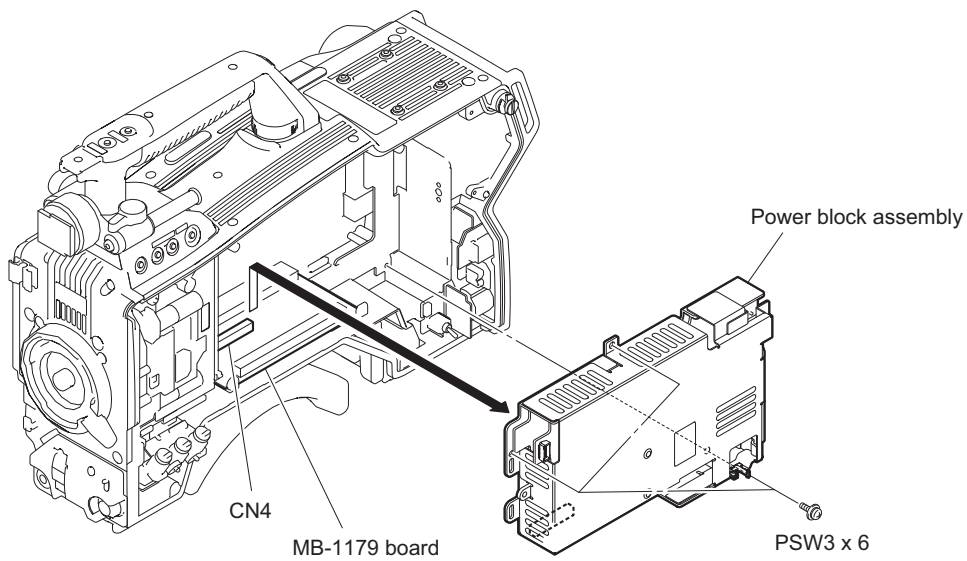
1. Disconnect the harness from the connector (CN6002) on the RE-291 board.
2. Release the harness from the clamper.



3. Disconnect the three harnesses from the three connectors (CN101, CN301, and CN5005) on the PS-836 board.

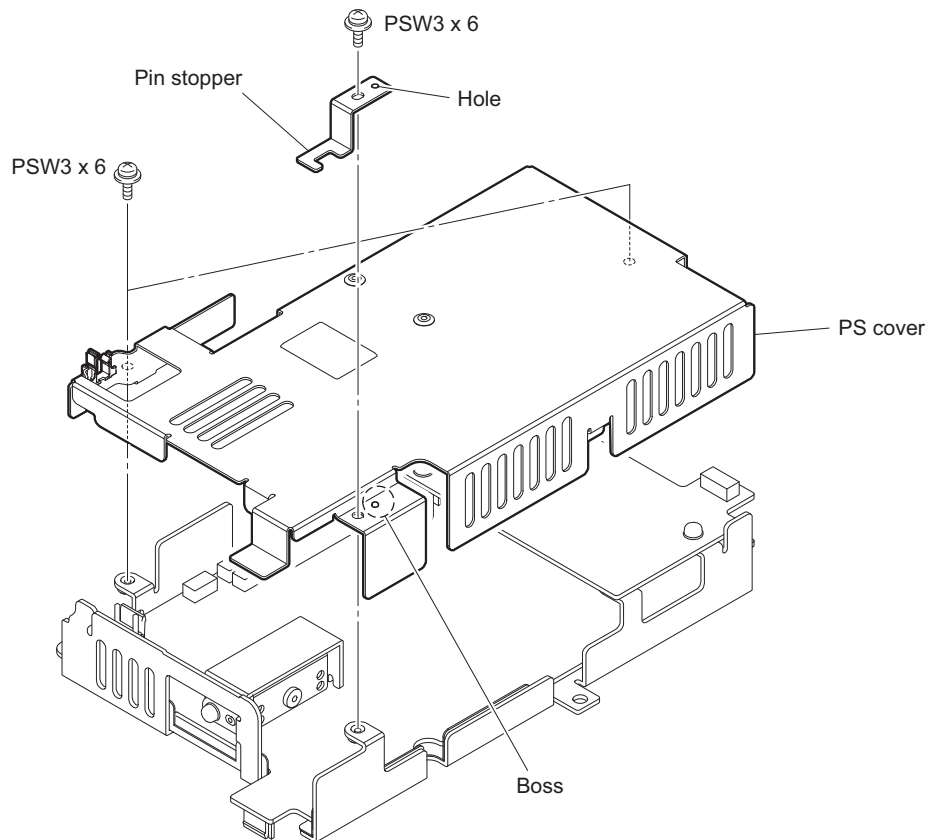


4. Remove the three screws to detach the power block assembly from the connector (CN4) on the MB-1179 board in the direction of arrow.



5. Remove the screw to detach the pin stopper.

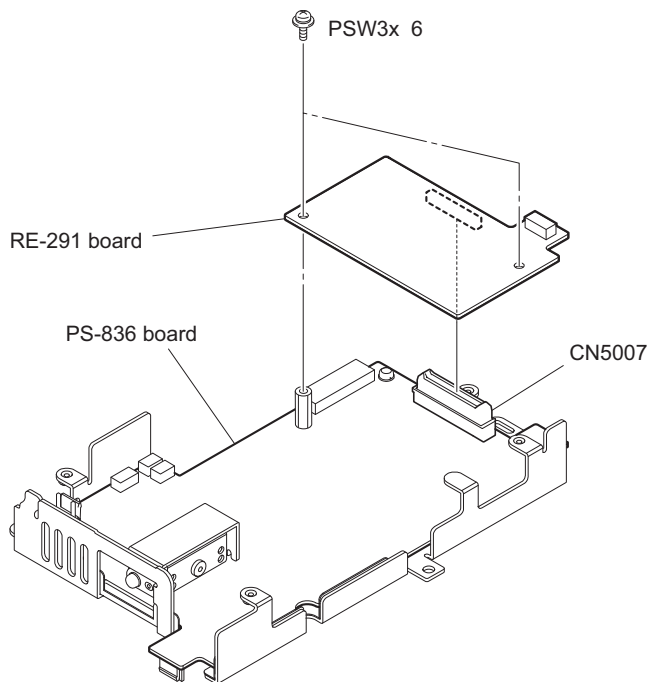
6. Remove the two screws to detach the PS cover.



**Note**

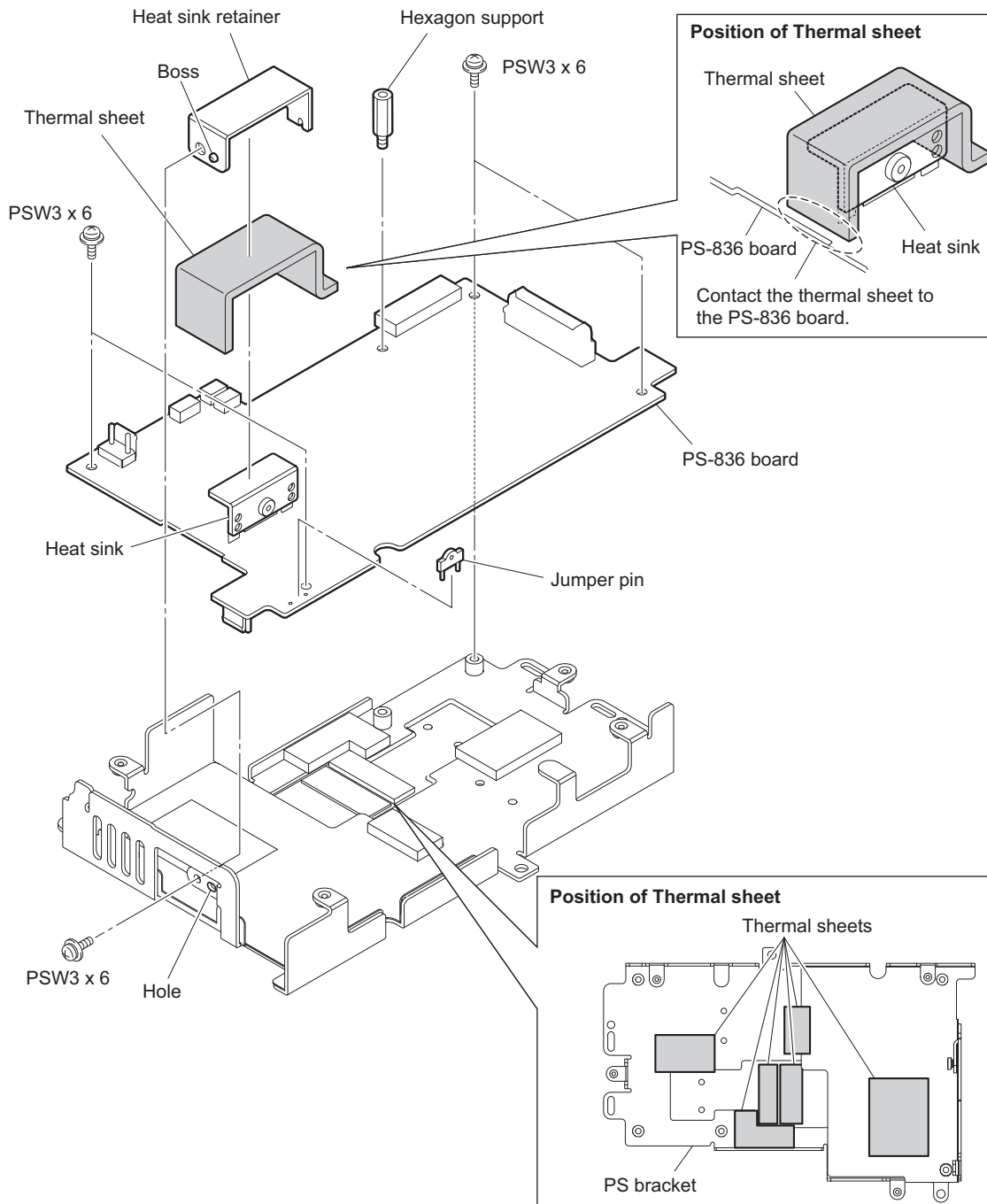
When installing the pin stopper, match the boss with the hole.

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.
- When attaching thermal sheets to the PS bracket or heatsink, attach them at the locations shown in the figure.

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

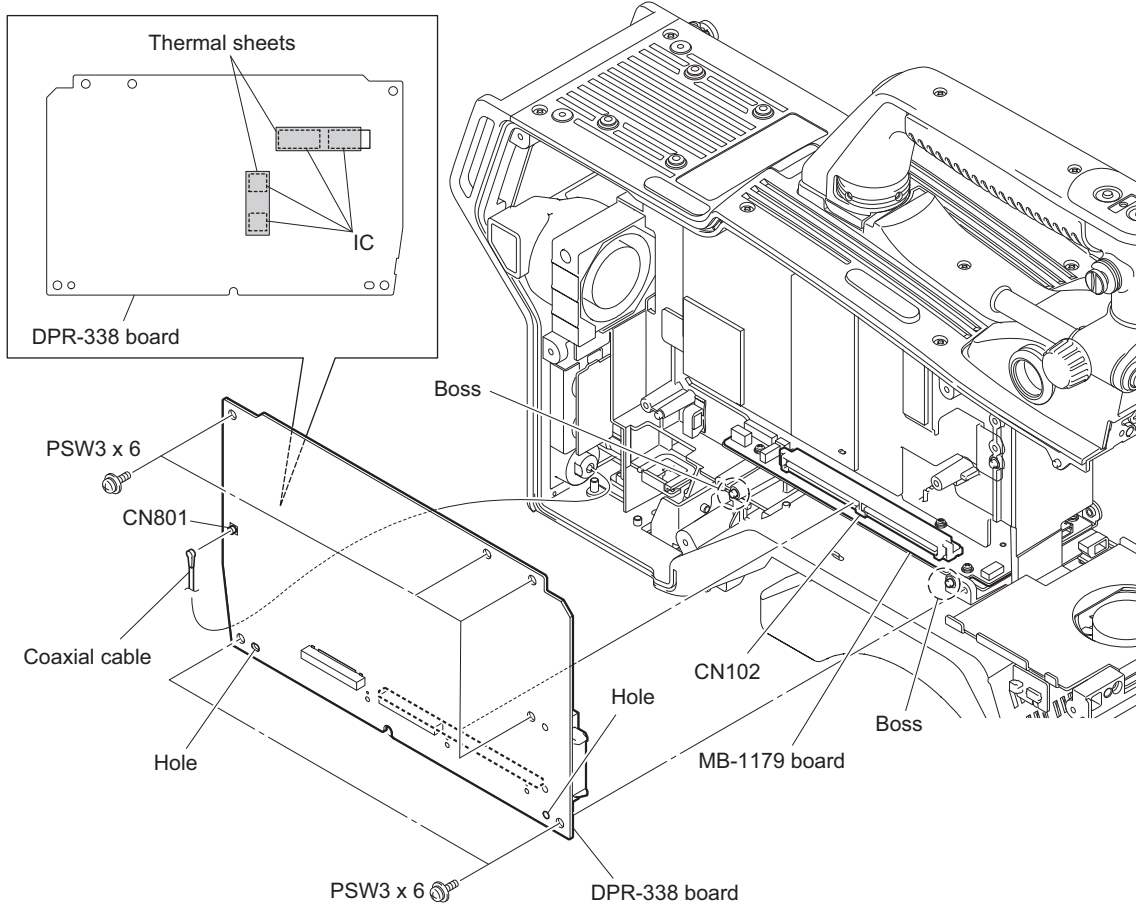
## 2-7-3. DPR-338 Board

### Preparation

1. Remove the outside panel assembly. (Refer to "2-3-1. Outside Panel Assembly".)
2. Remove the front assembly. (Refer to "2-4. 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.

## 2-7-4. MB-1179 Board

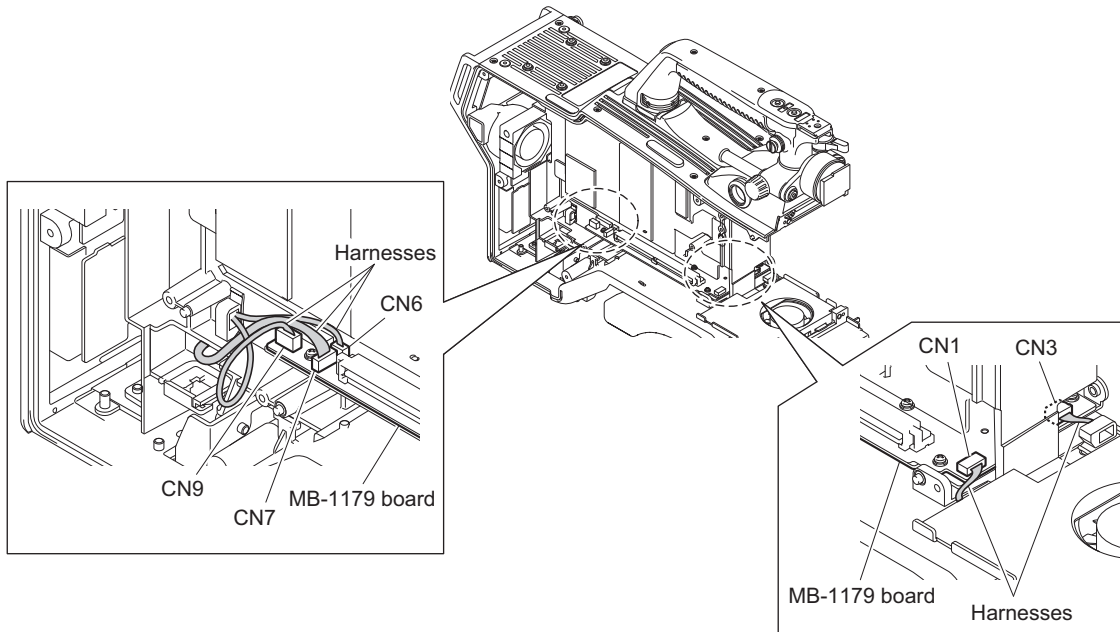
### Preparation

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 “2-4. Front Assembly”.)
4. Remove the SY-408 board. (Refer to “2-7-1. SY-408 Board/AT-189 Board”.)
5. Remove the power block assembly. (Refer to “2-7-2. Power Block Assembly (RE-291 Board/PS-836 Board)”.)
6. Remove the DPR-338 board. (Refer to “2-7-3. DPR-338 Board”.)

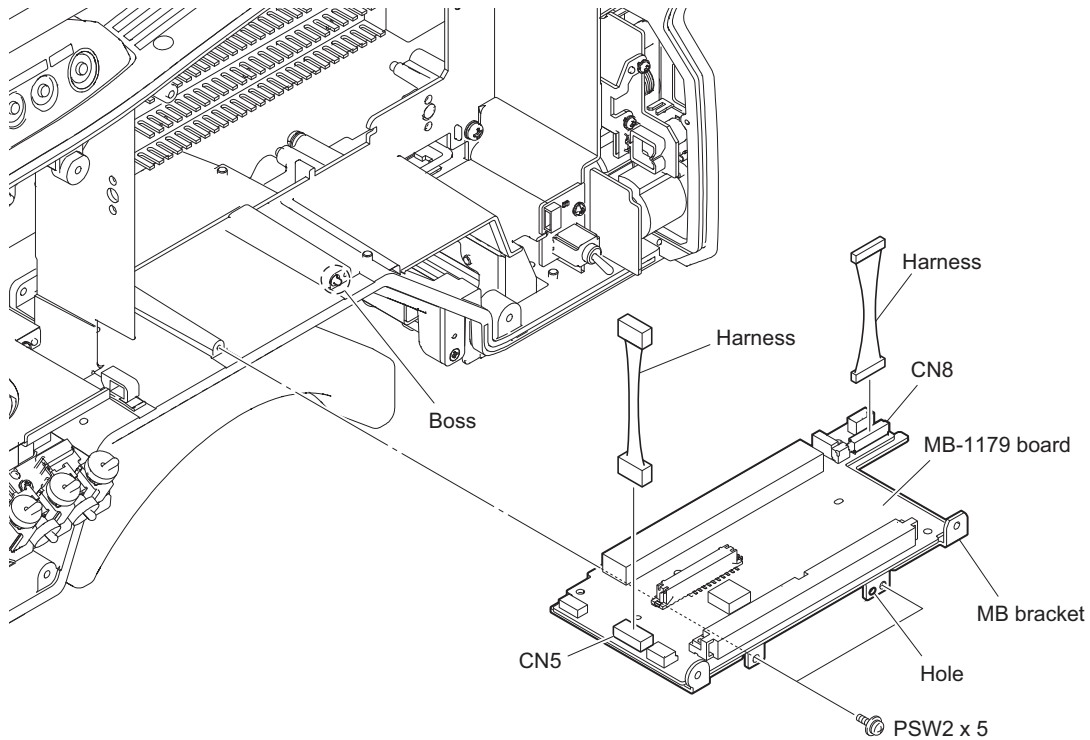
### Procedure

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.



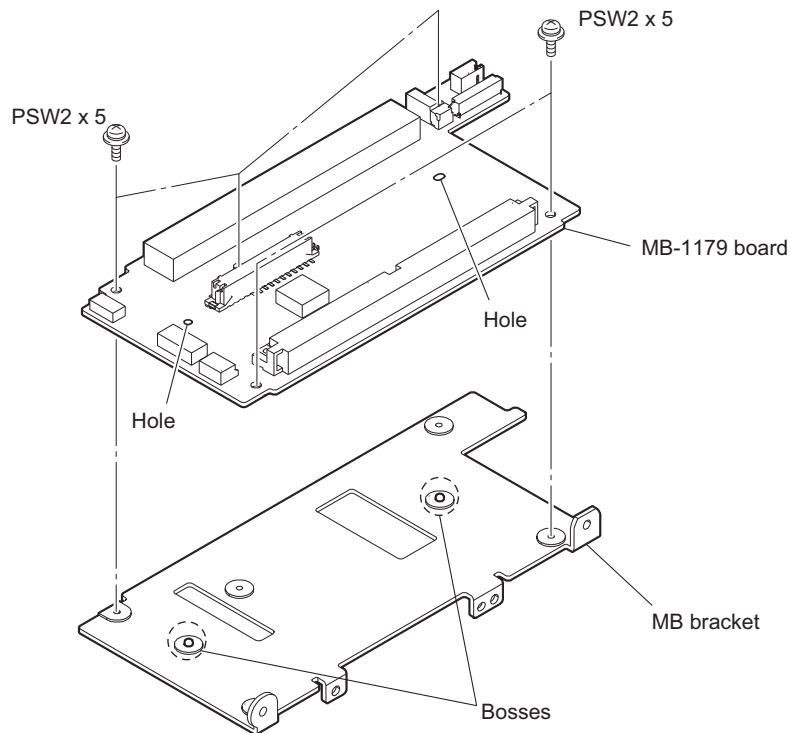
3. Remove the two screws to detach the MB bracket.
4. Disconnect the two harnesses from the two connectors (CN5, CN8) on the MB-1179 board.



**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.

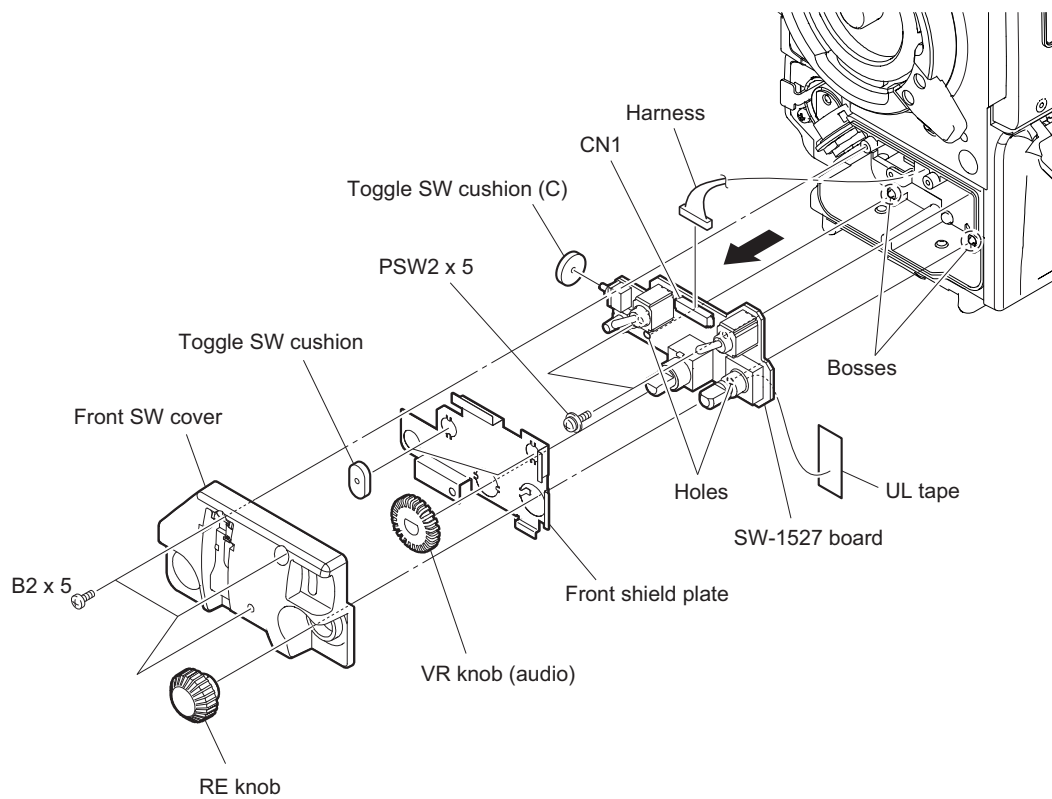
6. Install the removed parts by reversing the steps of removal.

## 2-7-5. 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.

## 2-7-6. CN-3423 Board

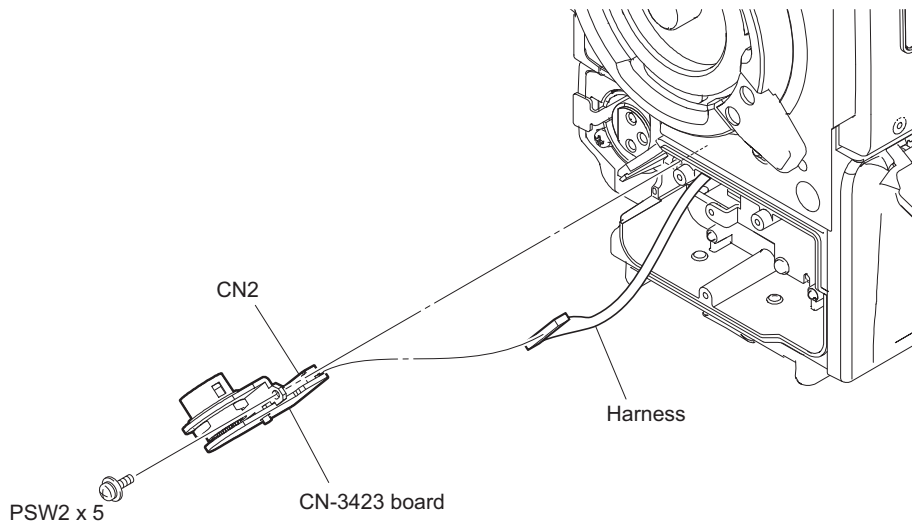
### Preparation

1. Remove the SW-1527 Board. (Refer to [“2-7-5. 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.

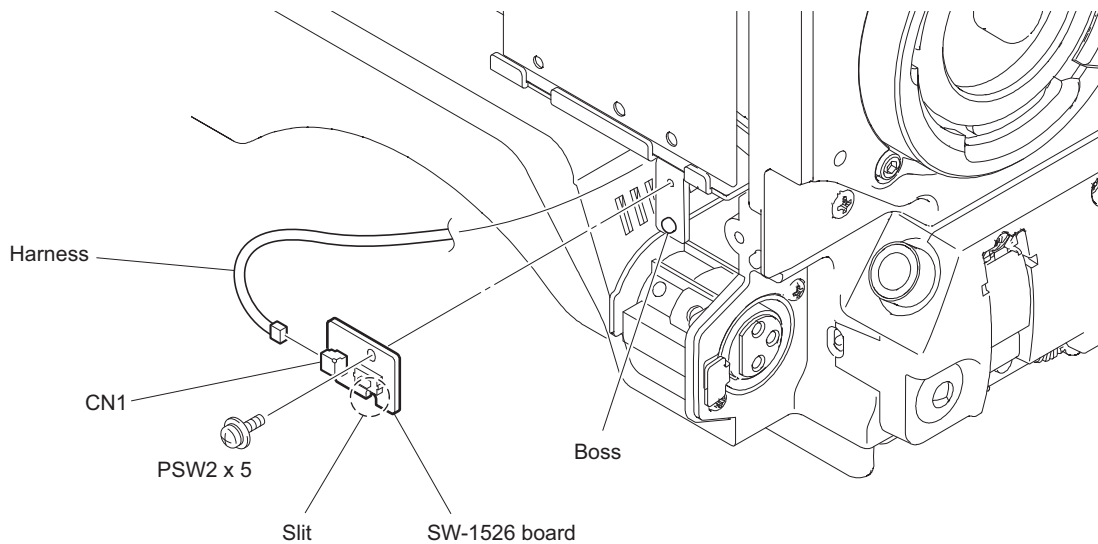
## 2-7-7. SW-1526 Board

### 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.



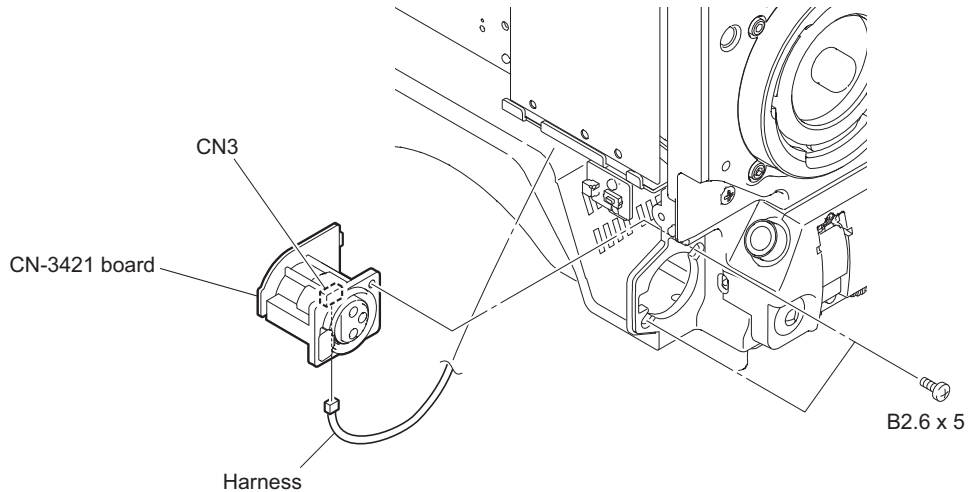
## 2-7-8. CN-3421 Board

### 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.

## 2-7-9. SW-1528 Board

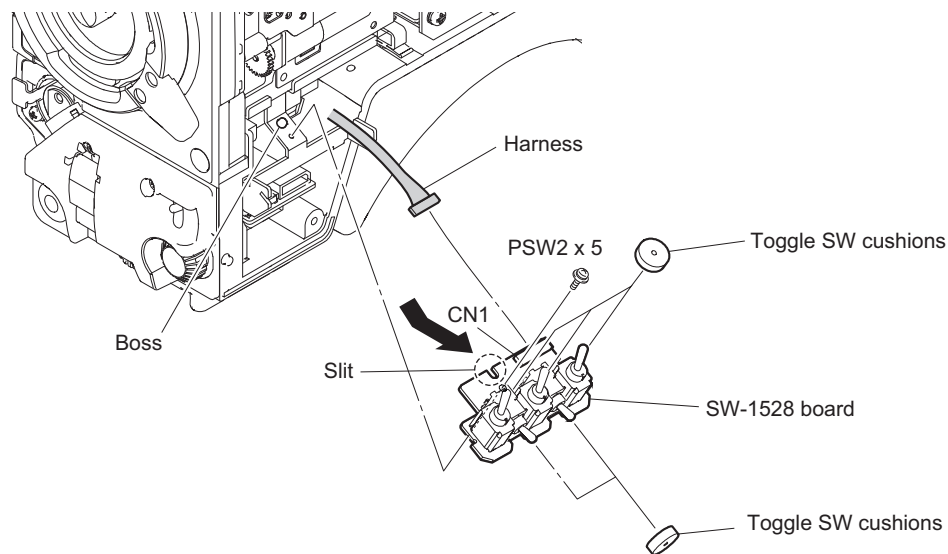
### Preparation

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.

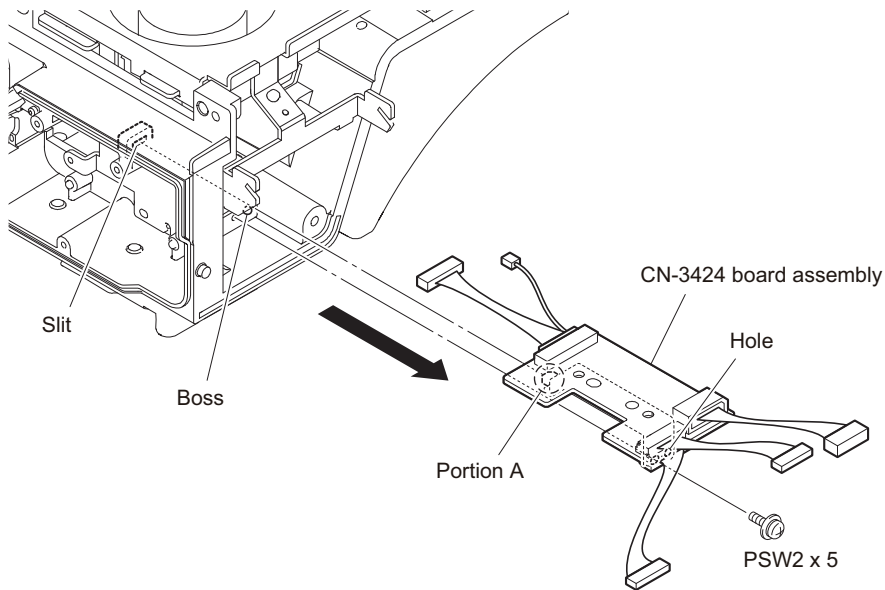
## 2-7-10. CN-3424 Board

### 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 “[2-4. Front Assembly](#)”.)
4. Remove the SW-1526 board. (Refer to “[2-7-7. SW-1526 Board](#)”.)
5. Remove the SW-1528 board. (Refer to “[2-7-9. SW-1528 Board](#)”.)
6. Remove the SW-1527 board. (Refer to “[2-7-5. SW-1527 Board](#)”.)
7. Remove the CN-3423 board. ( Refer to “[2-7-6. CN-3423 Board](#)”.)

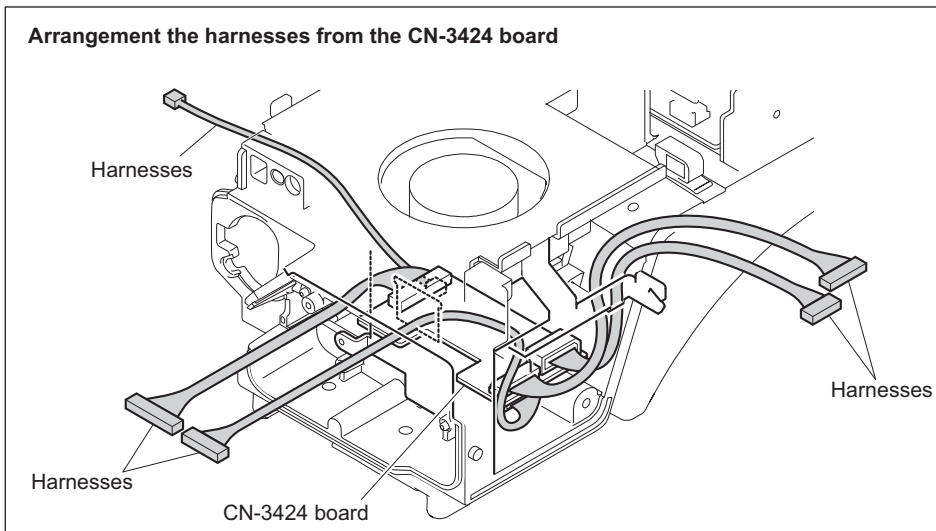
## Procedure

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.

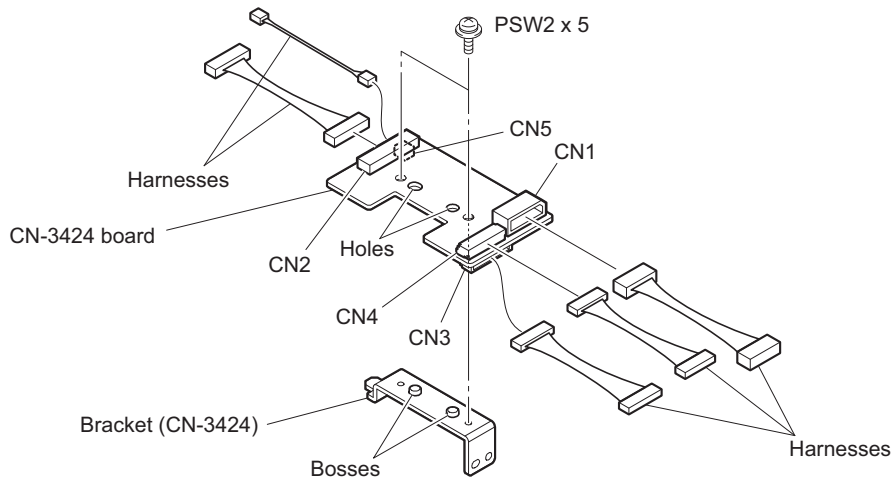


### Note

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.

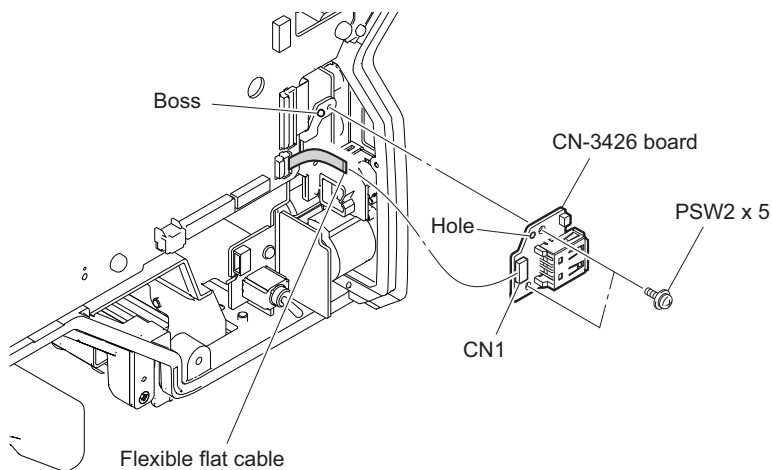
## 2-7-11. CN-3426 Board

### 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.

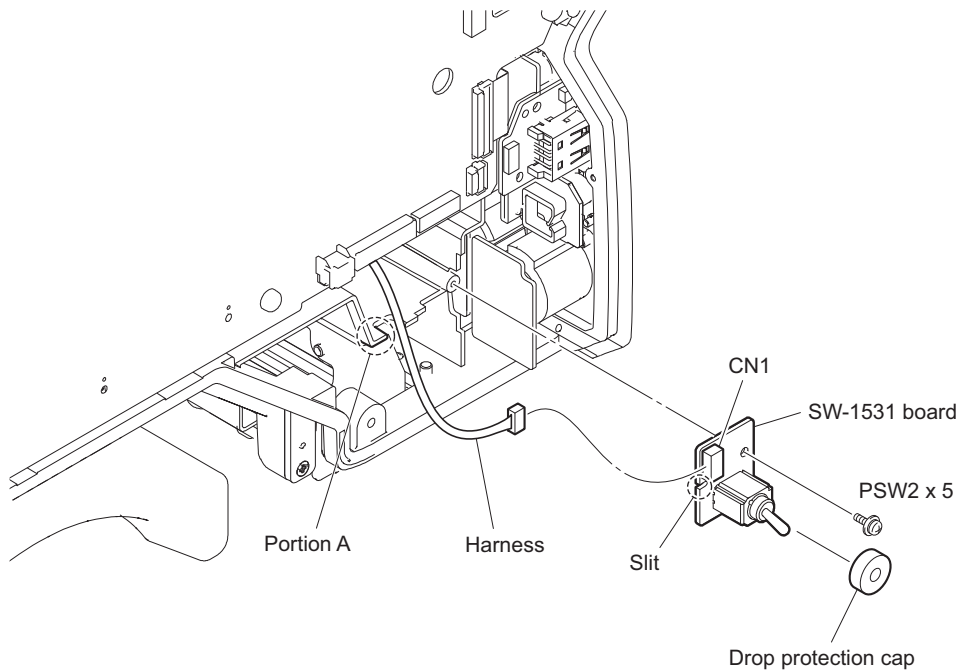
## 2-7-12. SW-1531 Board

### 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.

## 2-7-13. BUILD UP Connector

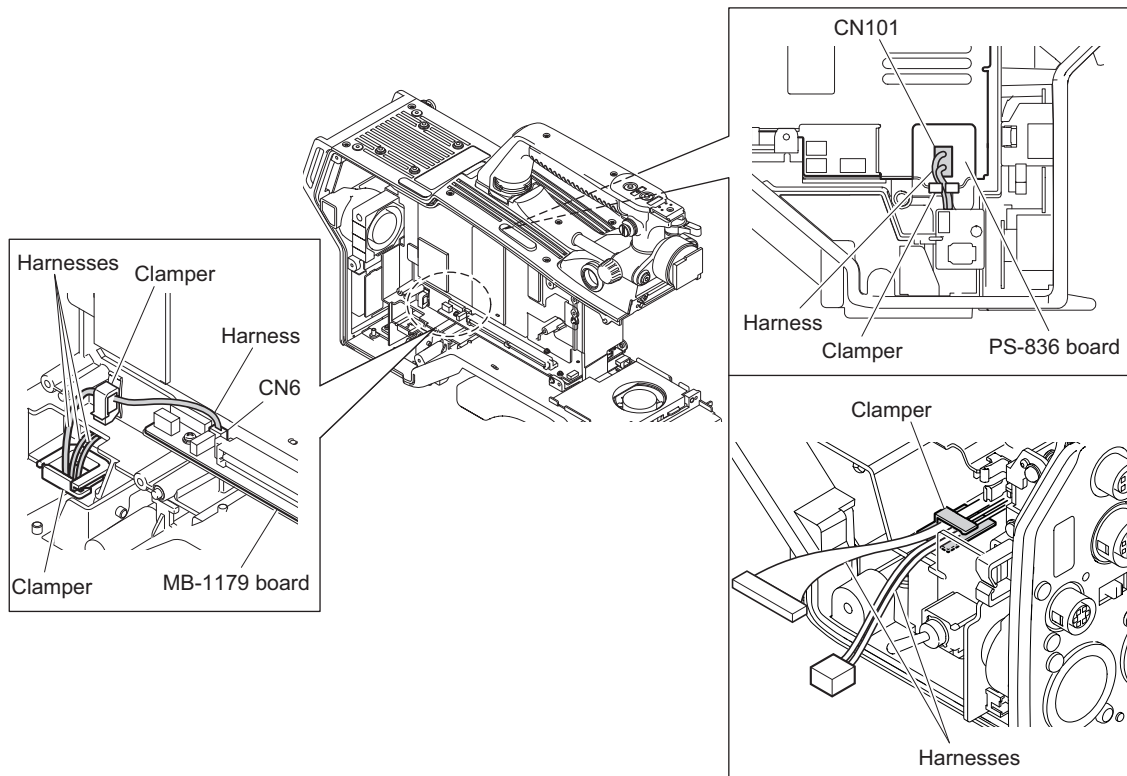
### Preparation

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 “2-7-1. SY-408 Board/AT-189 Board”.)
4. Remove the DPR-338 board. (Refer to “2-7-3. DPR-338 Board”.)

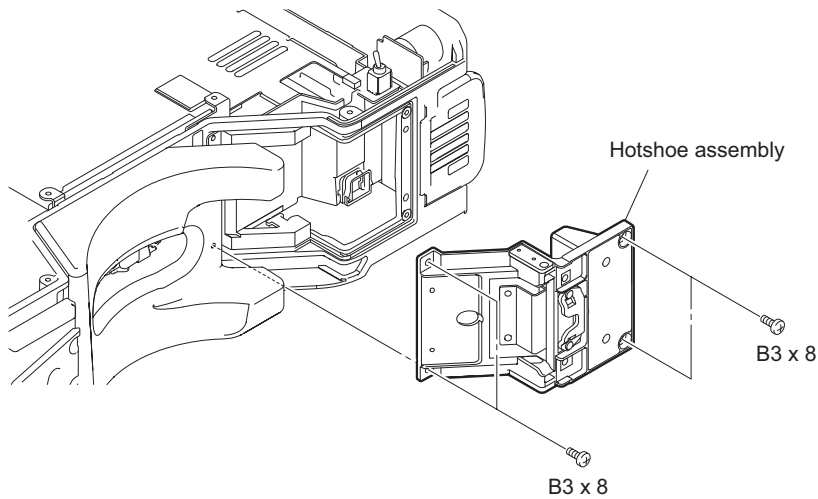
### Procedure

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

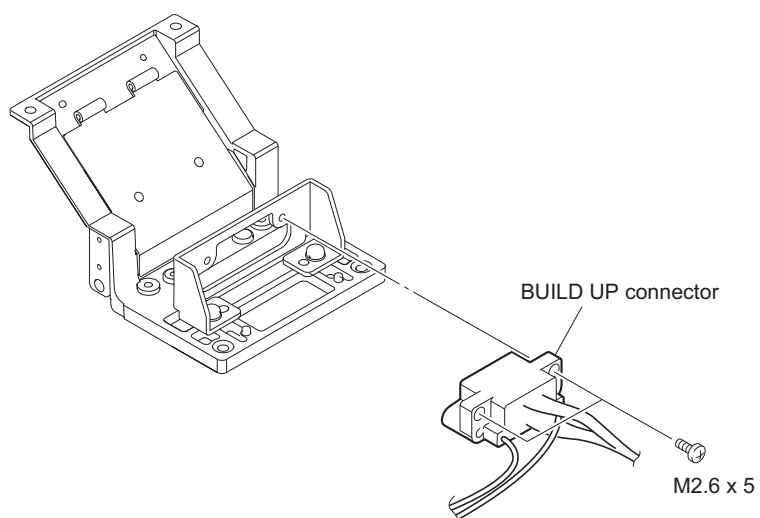
2. Disconnect the harness from the connector (CN6) on the MB-1179 board and release the harness from the two clampers.



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.

## 2-8. Fan

### 2-8-1. 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 “2-4. Front Assembly”.)

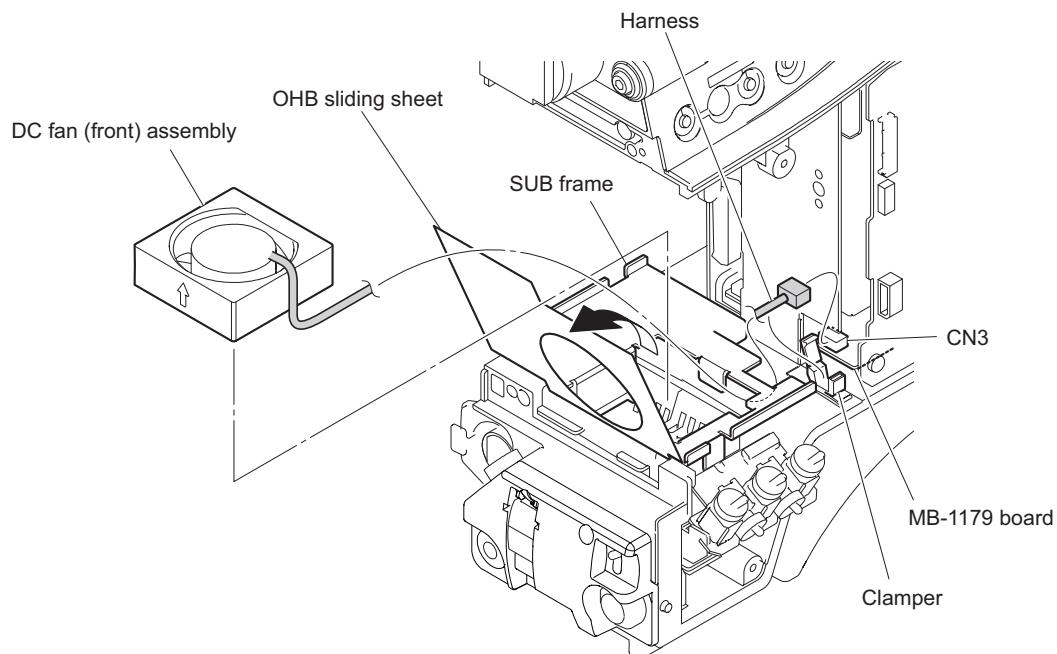
#### Procedure

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

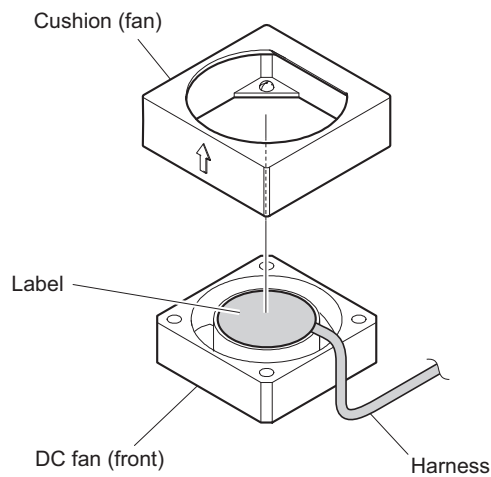
The OHB sliding sheet is attached to the SUB frame. When removing it, be careful not to damage the SUB frame.

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.

## 2-8-2. DC Fan (Rear)

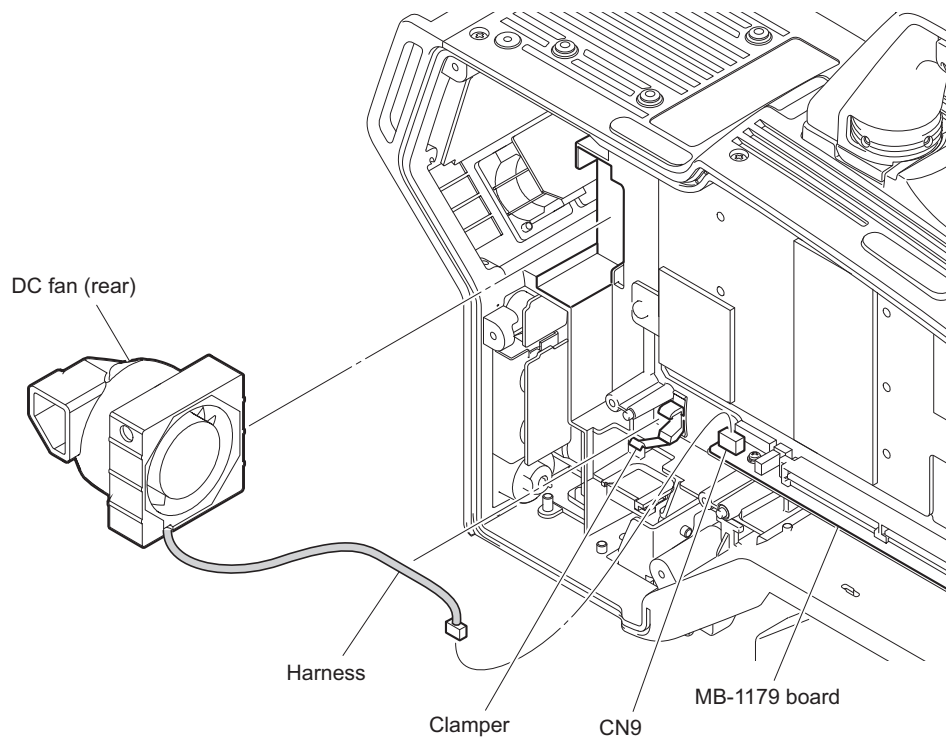
### Preparation

1. Remove the outside panel assembly. (Refer to [“2-3-1. Outside Panel Assembly”](#).)
2. Remove the front assembly. (Refer to [“2-4. Front Assembly”](#).)
3. Remove the DPR-338 board. (Refer to [“2-7-3. DPR-338 Board”](#).)

### Procedure

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

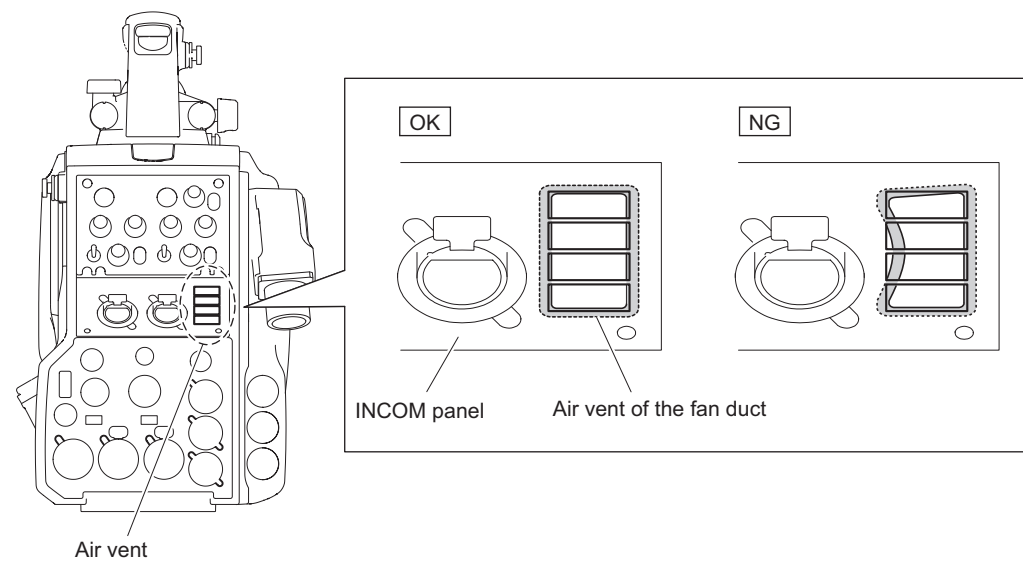
3. Remove the DC fan (rear).



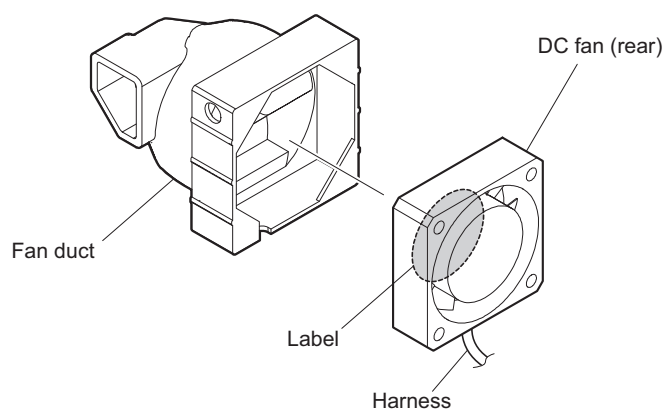
**Note**

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.

## 2-9. MIC Pannel

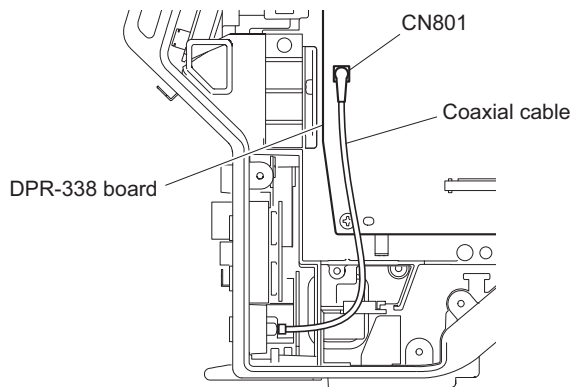
### 2-9-1. CN-3429 Board/CN-3427 Board

#### Preparation

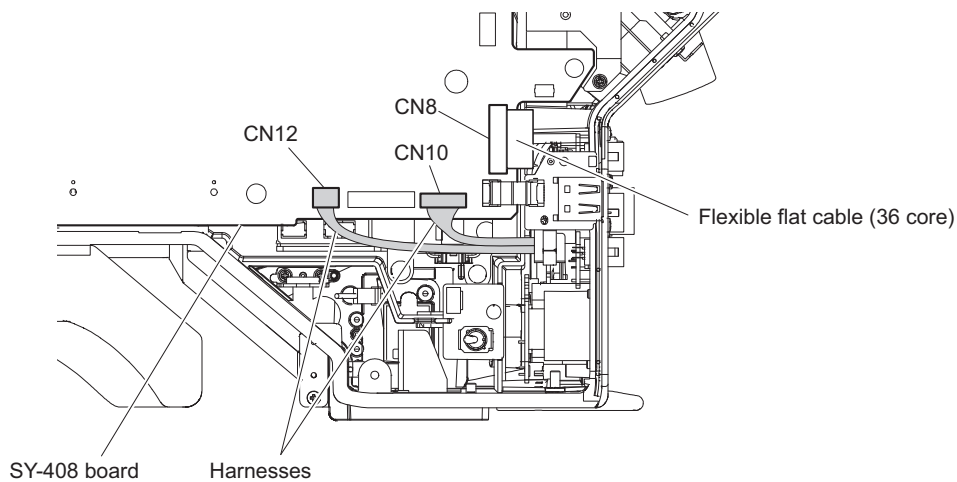
1. Remove the inside panel assembly. (Refer to “2-2. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-3-1. Outside Panel Assembly”.)

#### Procedure

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

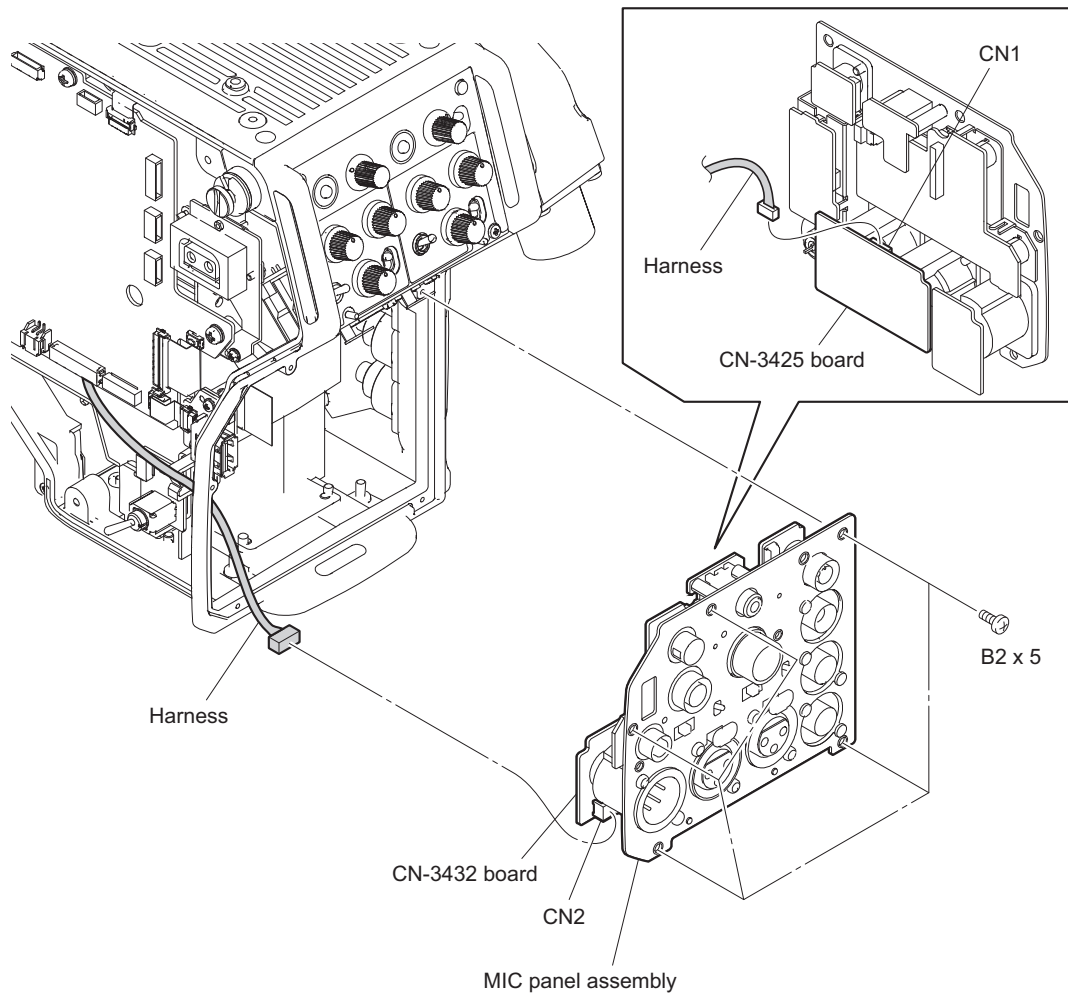


2. Disconnect the flexible flat cable from the connector (CN8) on the SY-408 board.
3. Disconnect the two harnesses from the two connectors (CN10, CN12) on the SY-408 board.

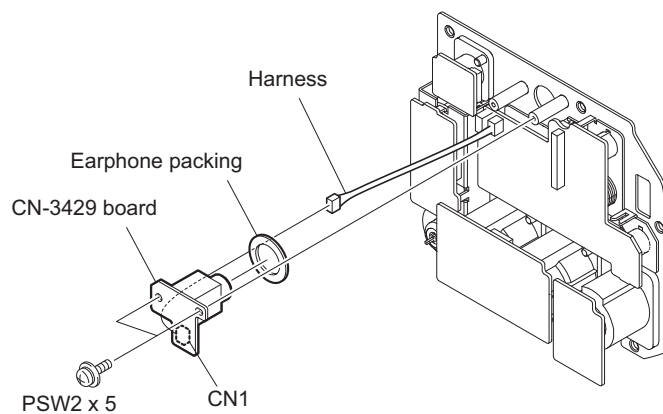


4. Remove the five screws and pull out the MIC panel assembly.
5. Disconnect the harness from the connector (CN2) on the CN-3432 board.

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

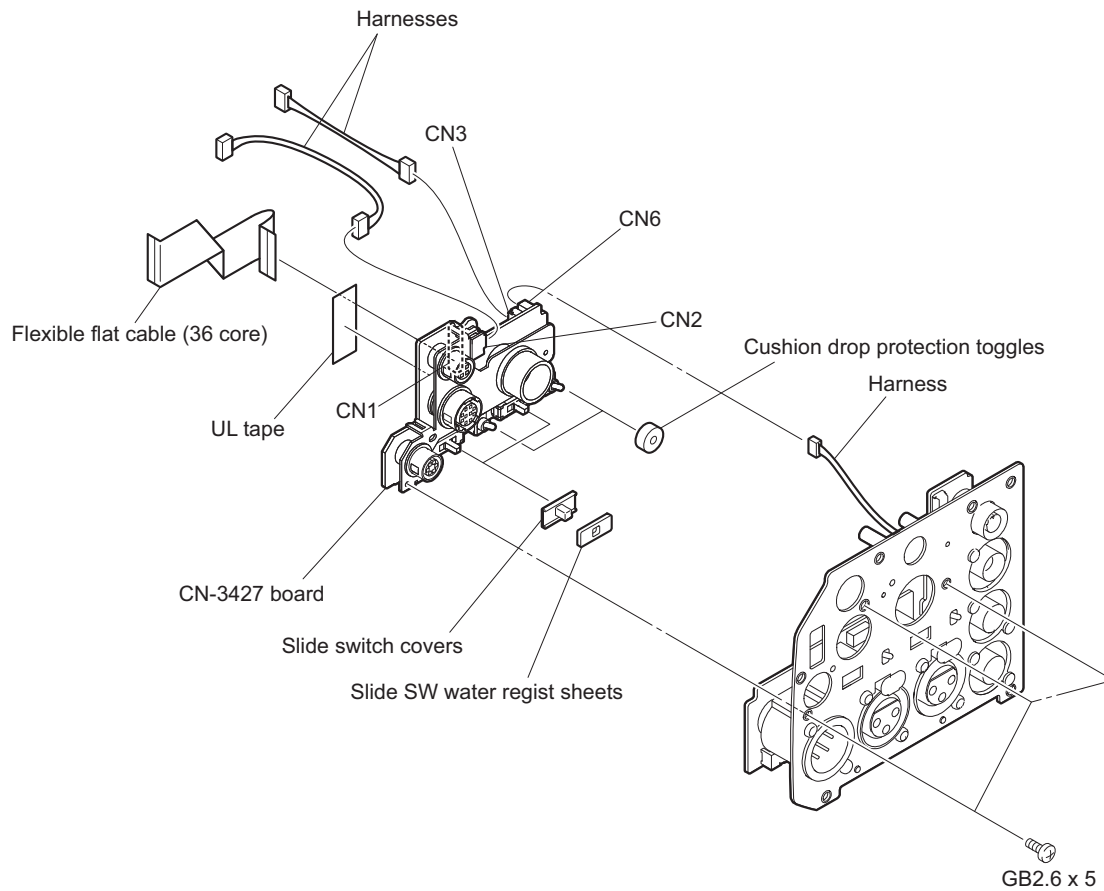


7. Remove the two screws and pull out the CN-3429 board.  
8. Disconnect the harness from the connector (CN1) on the CN-3429 board and remove the earphone packing.



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 slide SW water regist sheets, and two slide switch covers.



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

## 2-9-2. AUDIO IN Connector (CN-3425 Board)

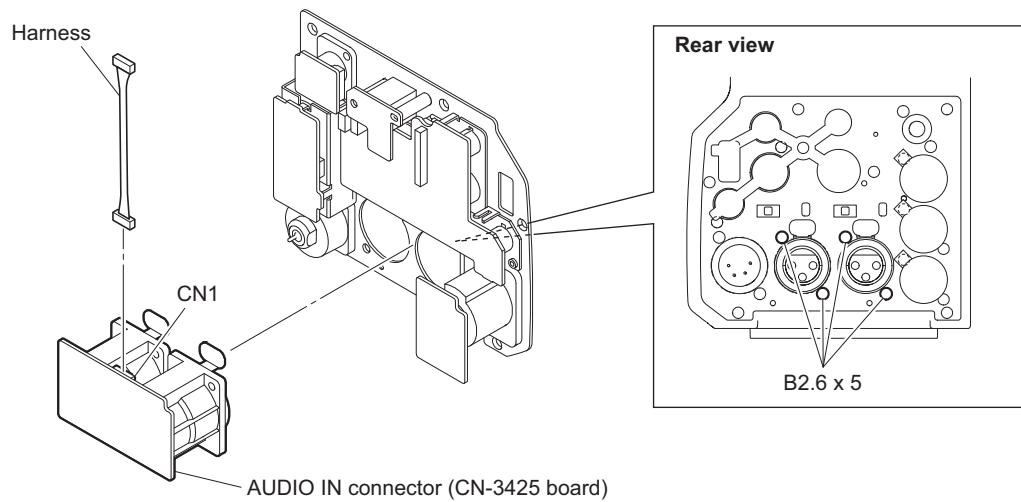
### Preparation

1. Remove the MIC panel assembly. (Refer to “2-9-1. 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.

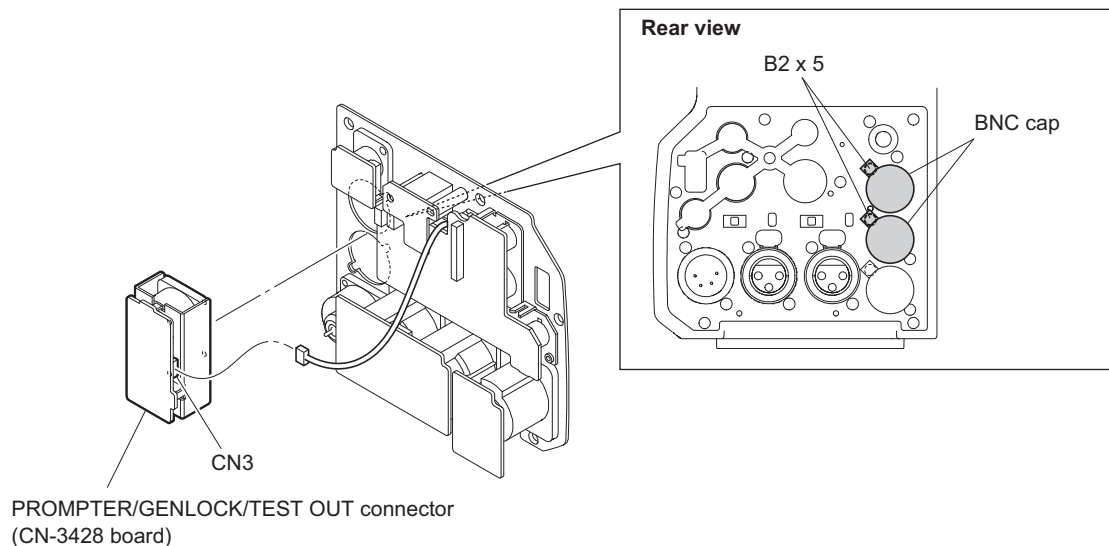
### 2-9-3. PROMPTER/GENLOCK/TEST OUT Connector (CN-3428 Board)

#### Preparation

1. Remove the MIC panel assembly. (Refer to "2-9-1. 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.



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

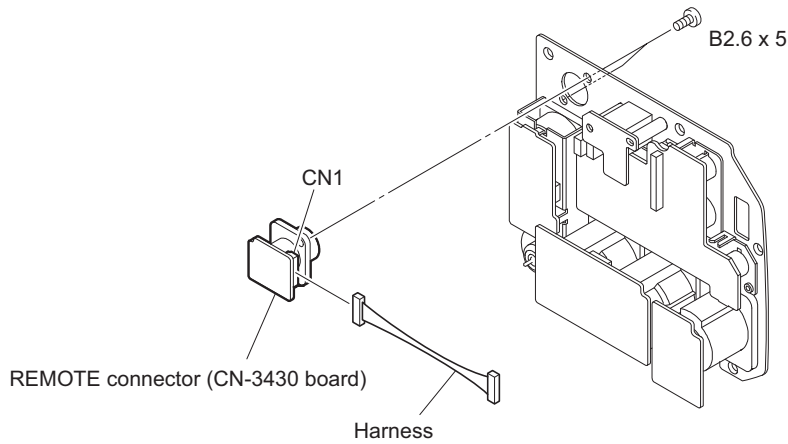
### 2-9-4. REMOTE Connector (CN-3430 Board)

#### Preparation

1. Remove the MIC panel assembly. (Refer to "2-9-1. 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.

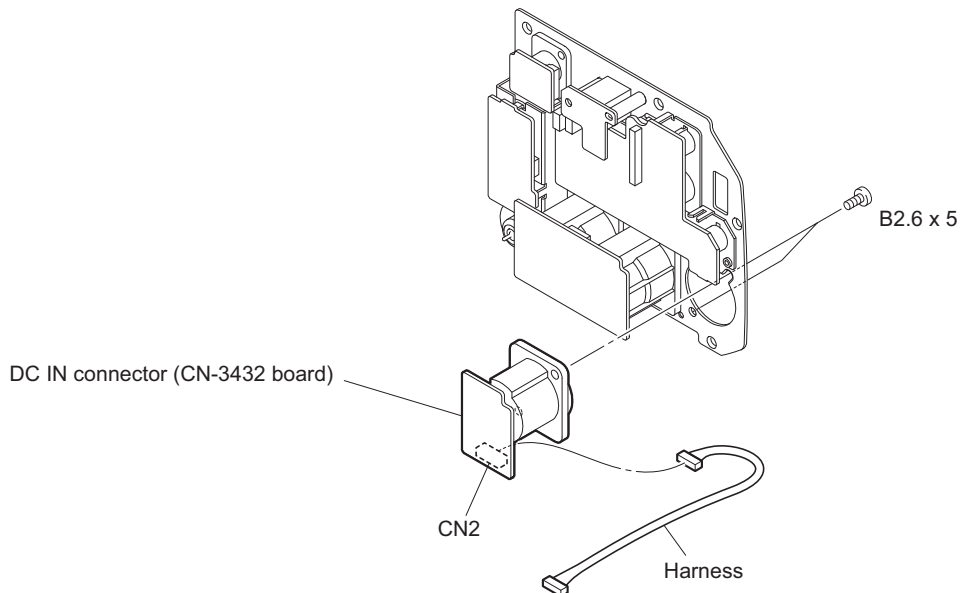
## 2-9-5. DC IN Connector (CN-3432 Board)

### Preparation

1. Remove the MIC panel assembly. (Refer to [“2-9-1. 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.



## 2-10. INCOM Panel

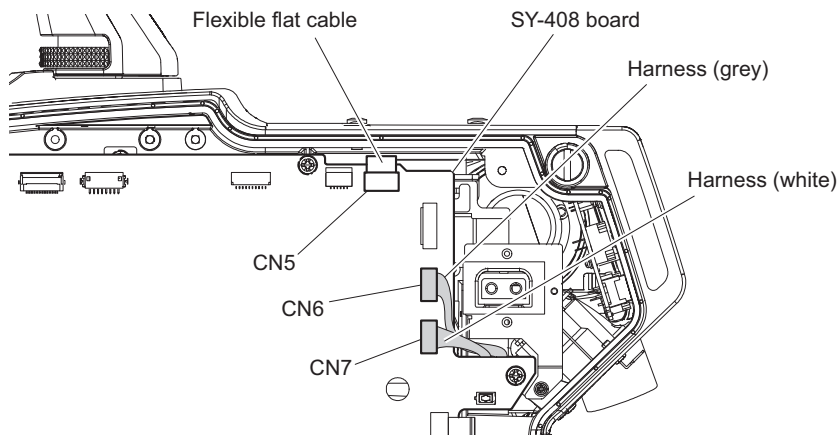
### 2-10-1. INTERCOM Connector (CN-3431 Board)

#### Preparation

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

#### Procedure

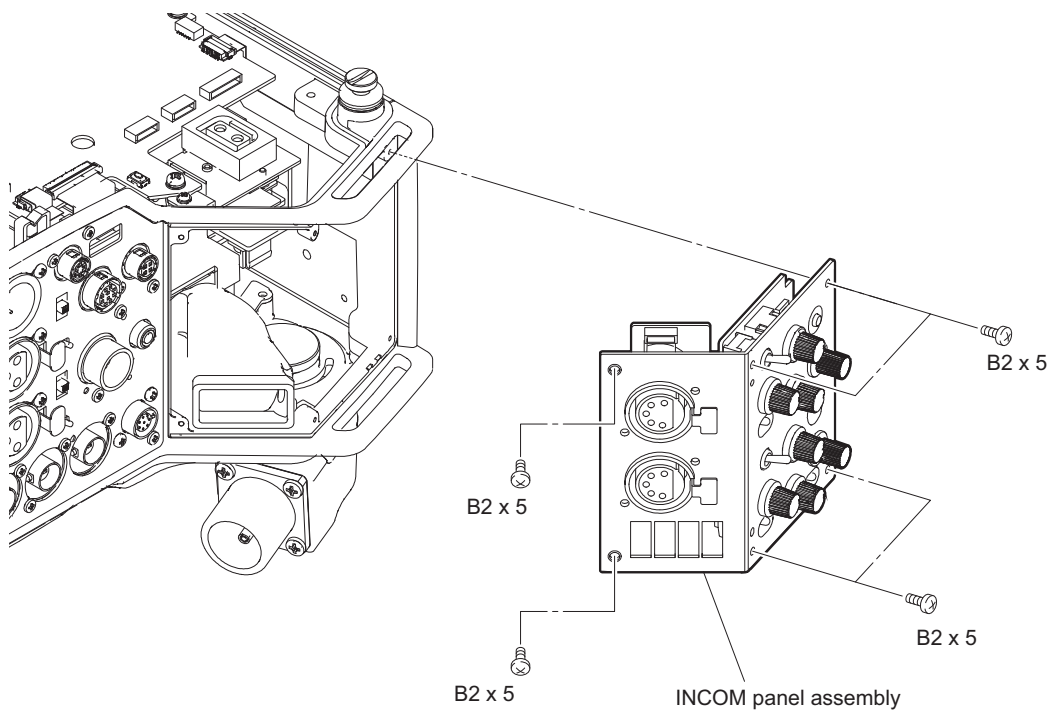
1. Disconnect the flexible flat cable from the connector (CN5) on the SY-408 board.
2. Disconnect the two harnesses from the two connectors (CN6, CN7) on the SY-408 board.



#### Note

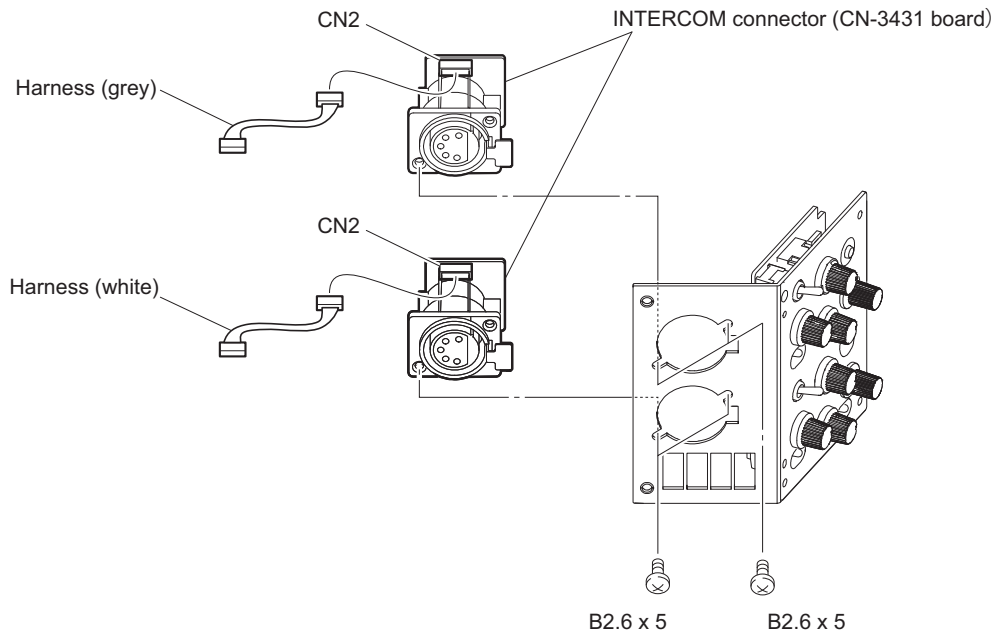
When reconnecting the two harnesses, pay attention to their colors.

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).

- 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.

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

## 2-10-2. SW-1530 Board/SW-1530A Board

**Note**

SW-1530 board is used for the SY/JN model and SW-1530A board is used for the CE/E3 model of HDC2500. The following shows how to remove the SW-1530 board as an example.

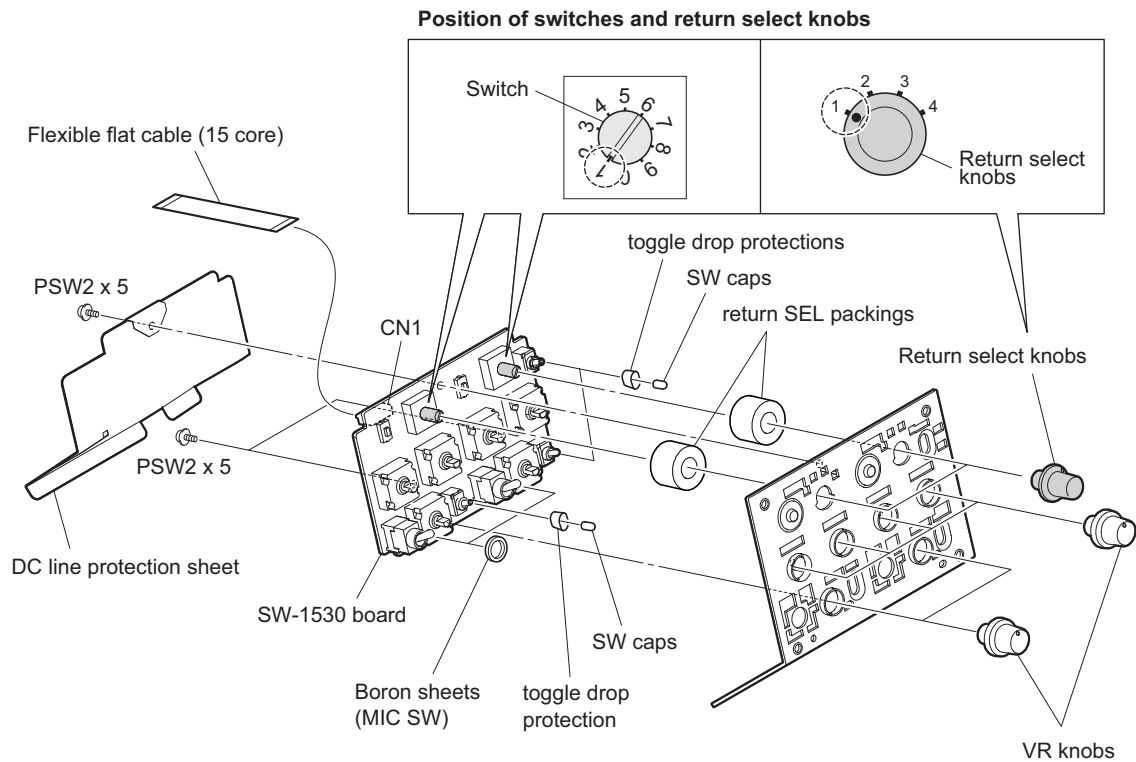
### Preparation

- Remove the INTERCOM connector (CN-3431 board). (Refer to [“2-10-1. INTERCOM Connector \(CN-3431 Board\)”](#).)

### Procedure

- Remove the two return select knobs.
- Remove the six VR knobs.
- Remove the screw to detach the DC line protection sheet.
- Remove the two screws to detach the SW-1530 board.
- 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 two return select knobs and six VR knobs, 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.
7. Install the removed parts by reversing the steps of removal.



## Section 3

# Electrical Alignment

When any board of HDC2500/2400 is repaired or replaced, perform electrical adjustments as this section.

### Notes

- Perform the “[3-4. Video System Level Adjustment](#)” according to customer needs.
- 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

---

#### 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

---

#### Related Equipment

- HDVS camera system: MSU-1000/1500, 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. Maintaining 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 well-maintained 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.

---

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

##### **Measuring equipment**

Illuminance meter: Calibrated

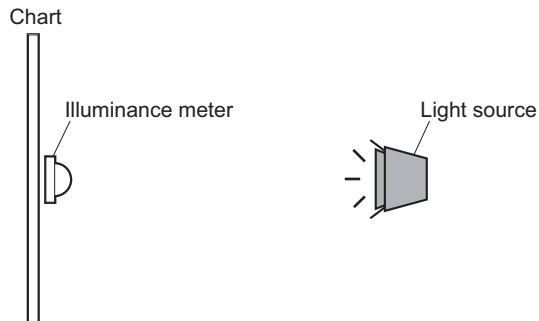
##### **Procedure**

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

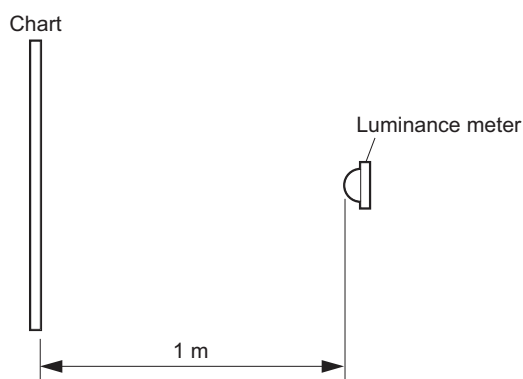
Luminance meter: Konica Minolta LS-110 or equivalent. Calibrated

### 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.)
- Place 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.

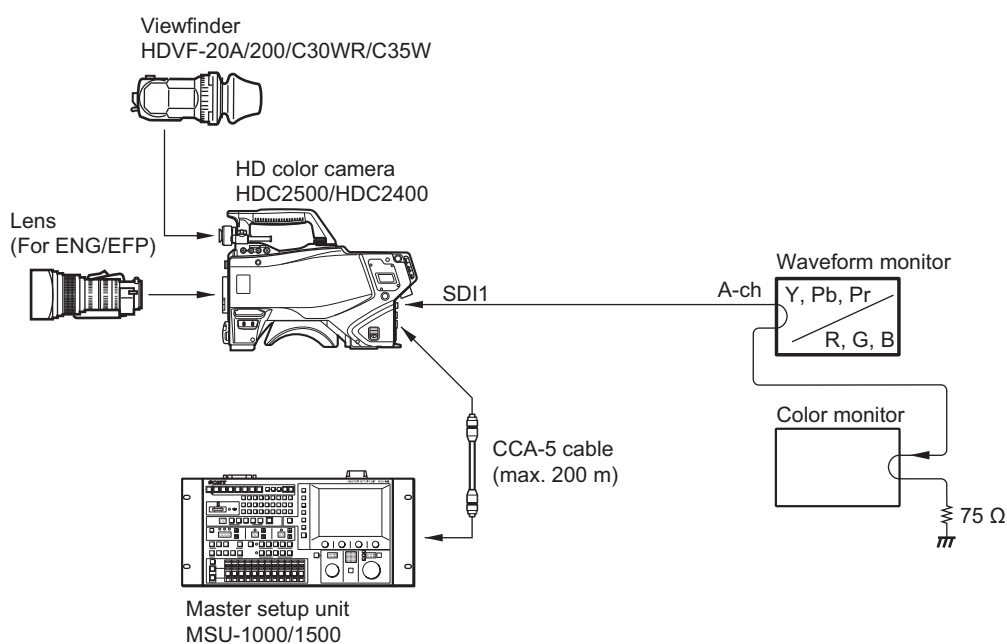
To enter the setting value: Press the rotary encoder.

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

The original setting is restored.

After the rotary encoder is pressed, 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.

---

#### MSU-1000 Control Panel

- 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

- 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     |
|                       |            | Master          |                     |             |                 |
| Detail                | 1/3        | Level           |                     | DETAIL 1    | LEVEL           |
|                       |            | Limiter         |                     |             | LIMITER [M]     |
|                       |            | Crispening      |                     |             | CLISP           |
|                       |            | Level Dep       |                     |             | LVL DEP         |
|                       | 2/3        | H/V Ratio       |                     |             | HV RATIO        |
|                       | 3/3        | W Limiter       |                     |             | LIMITER WHT     |
|                       |            | 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 Setting |          | Level           | PAINT               | AUTO IRIS     | IRIS LEVEL   |
|                       |                   |          | APL Ratio       |                     |               | APL RATIO    |
|                       | V mod Saw         |          | R/G/B           |                     | VIDEO LEVEL   | V MOD R/G/B  |
|                       |                   |          | 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

---

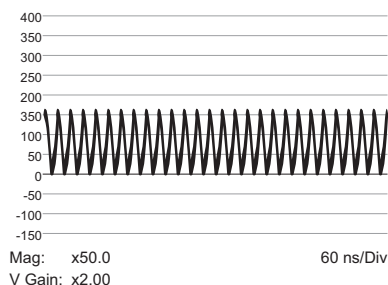
##### Adjustment Procedure

- 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)  
LVL DEP OFF button → OFF (lit)  
GAMMA OFF button → ON (dark)  
MATRIX OFF button → OFF (lit)  
MASTER GAIN → 12  
IRIS → CLOSE
- Set in the SERVICE menu as shown below.  
MENU: SERVICE  
PAGE: OHB\_ADJ1  
ITEM: FILTER: OFF  
ITEM: MONITOR SEL: R
- Execute file storing for each format.

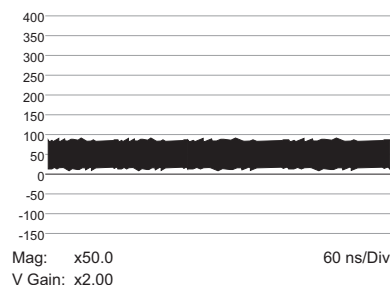
**Note**

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.
- 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 PED 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)  
Use a lens with a transmittance equivalent to Canon HJ18.

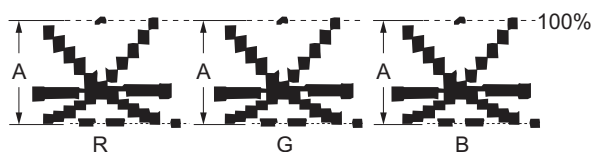
---

#### 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.

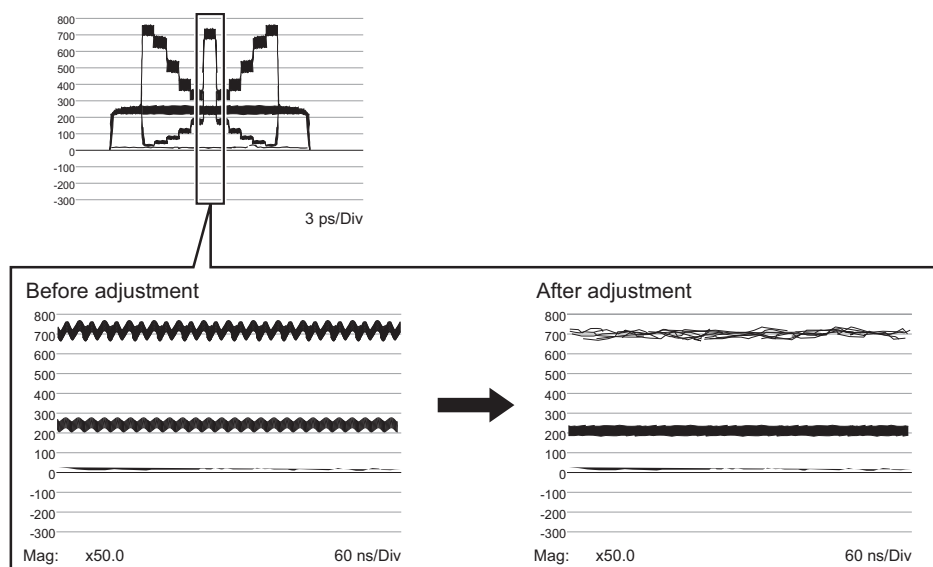
MENU: SERVICE

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

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

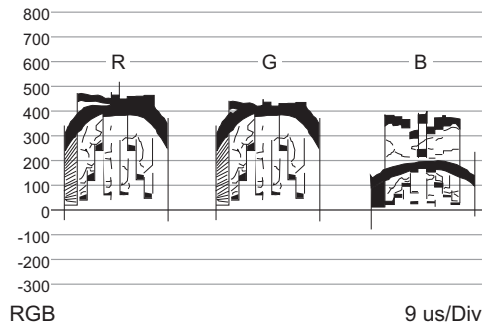
#### Preparation

- 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)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris: Open

---

## Adjustment Procedure

1. Open the following items with SERVICE menu.  
MENU: SERVICE  
PAGE: OHB\_ADJ2  
ITEM: V-SUB [R], [G], [B]
2. Turn the TEST MODE setting to ON.  
ITEM: CONC. TEST MODE: ON
3. Adjust V-SUB for each channel in each format so that the clip level becomes the value in the table below with the lens iris open.



| Format                | R      | G      | B      |
|-----------------------|--------|--------|--------|
| 1080/59.94i (50i)     | 450 mV | 450 mV | 370 mV |
| 1080/59.94P (50P)     | 435 mV | 450 mV | 220 mV |
| 1080/29.97PsF (25PsF) | 415 mV | 400 mV | 185 mV |

4. Execute file storing for each format.  
MENU: SERVICE  
PAGE: OHB\_ADJ2  
ITEM: STORE FILE

### 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

---

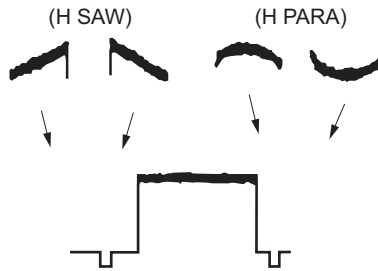
#### Adjustment Procedure

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]

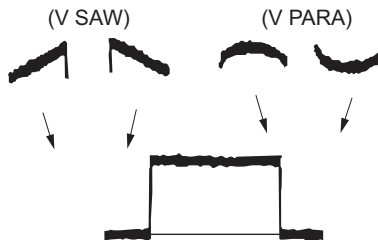


- Adjust this so that the R channel becomes as flat as possible.  
(Check this in the mode of V: FIELD, H: LINE.)

**H: LINE**



**V: FIELD**



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

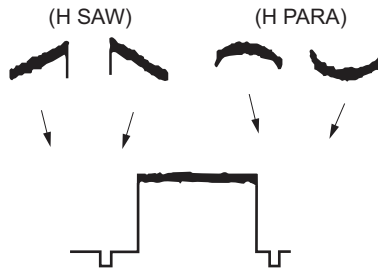
Select the file in accordance with the lens attached. If there is no appropriate file, select NO OFFSET, then change the name of lens with MSU.

---

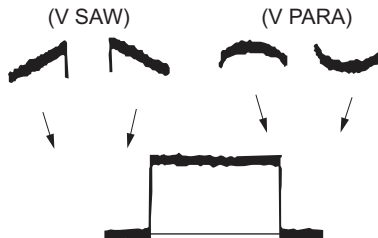
## Adjustment Procedure

- Operate the control panel of MSU-1000, and perform the automatic white balance adjustment.  
WHITE button → ON (lit)
- If the shading is monitored, adjust it with menu control of MSU-1000.
  - MAINTENANCE button → ON (lit)
  - Touch panel operation: [Camera] → [White Shading] → [R]
- 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



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

---

## 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, 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:  $\times 1$ ) 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. Lens extender ( $\times 2$ ) → ON  
or lens shrinker ( $\times 0.8$ ) → 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. Lens extender ( $\times 2$ ) → OFF  
or lens shrinker ( $\times 0.8$ ) → OFF

## 3-4. Video System Level Adjustment

### Note

Perform the video system level adjustment according to customer needs.

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

Equipment: Waveform monitor (R, G, B)

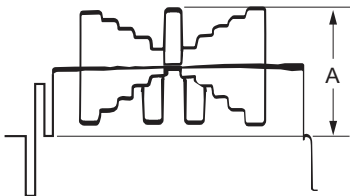
Test Point: SDI 1 connector

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

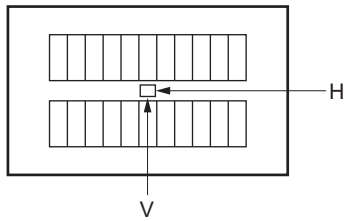
1. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Detail] → [1/3]  
Set each item as follows:
    - Level → 99
    - Limiter → 0
    - Crispening → -25
    - Level Dep → 25

### Note

After adjustment is completed, return these setting to customer settings.

2. Operate the menu of MSU-1000.  
Touch panel operation: (Page 1) → [Detail] → [2/3]

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



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

Equipment: Waveform monitor (R, G, B)

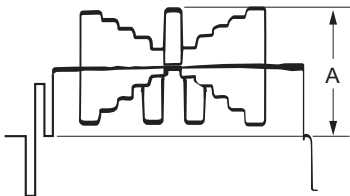
Test Point: SDI 1 connector

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

1. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Detail] → [1/3]
2. 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)

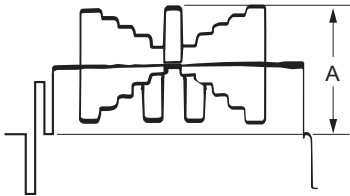
Test Point: SDI 1 connector

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)

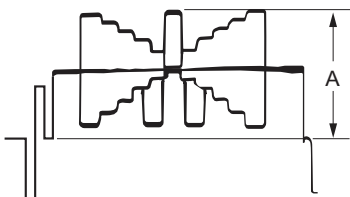
Test Point: SDI 1 connector

Object: Grayscale chart

---

## Preparation

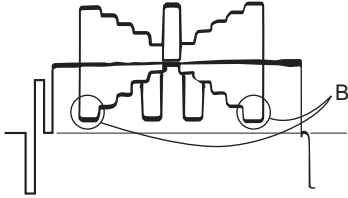
- Setting for MSU-1000  
DETAIL OFF button → ON (dark)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:  $A = 600 \pm 20$  mV (F4 to F5.6)  
If the lens aperture is greater than F5.6, adjust the light amount with the shutter.



---

## Adjustment Procedure

1. Operate the menu of MSU-1000.
  - 1) PAINT button → ON (lit)
  - 2) Touch panel operation: (Page 1) → [Detail] → [1/3]
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 Preparation”](#).

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

Equipment: Waveform monitor (R, G, B)

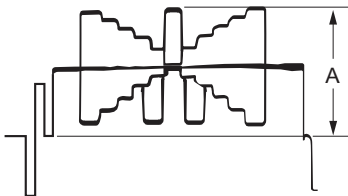
Test Point: SDI 1 connector

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.

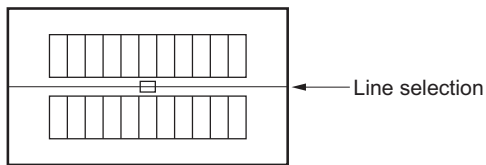


---

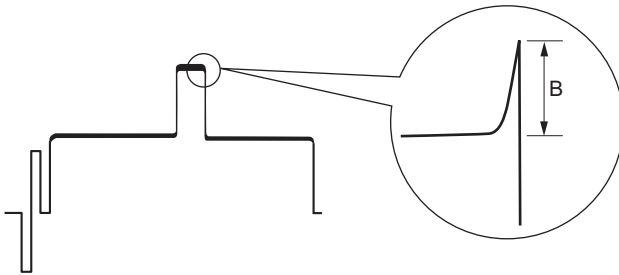
## Adjustment Procedure

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

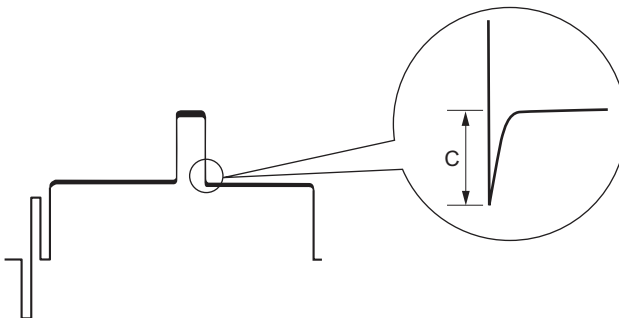
2. Make a line selection at the center white portion of the grayscale chart.



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

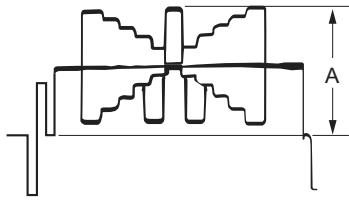
- Setting for MSU-1000  
 AUTO IRIS button → ON (lit)  
 DETAIL OFF button → ON (dark)  
 KNEE OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.



---

## 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 Setting]
3. Adjust the APL ration 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)

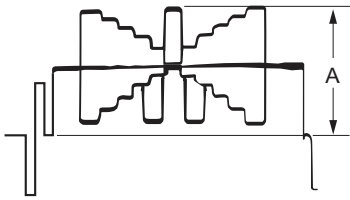
Test Point: SDI 1 connector

Object: Grayscale chart

---

## Preparation

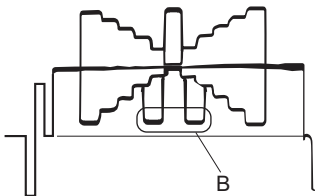
- Setting for MSU-1000  
DETAIL OFF button → ON (dark)  
KNEE OFF button → OFF (lit)  
MATRIX OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the under scanned monitor frame.
- Lens iris:  $A = 600 \pm 20$  mV (F4 to F5.6)  
If the lens aperture is greater than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

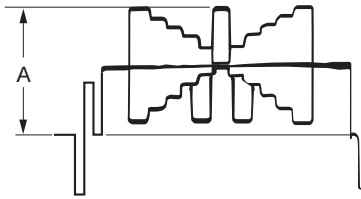
Object: Grayscale chart

---

## 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.

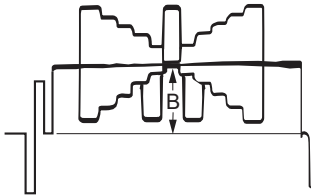
- Lens iris:  $A = 700 \pm 20 \text{ mV}$




---

## 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

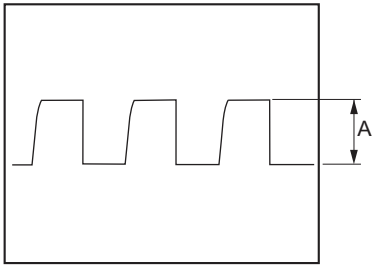
- Setting for MSU-1000  
MASTER GAIN → 6  
TEST 1 button → ON (lit)  
KNEE OFF button → ON (dark)

---

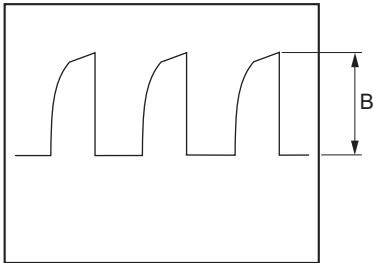
### Adjustment Procedure

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

---

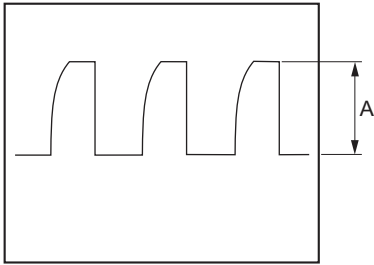
## Preparation

- 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)

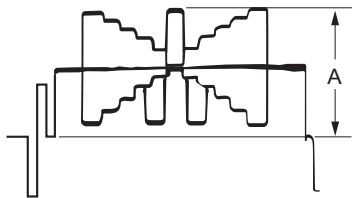
Test Point: SDI 1 connector

Object: Grayscale chart

---

#### Preparation

- Setting for MSU-1000  
AUTO IRIS button → 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

- 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.

### 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.

### Notes

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 exit. 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

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.

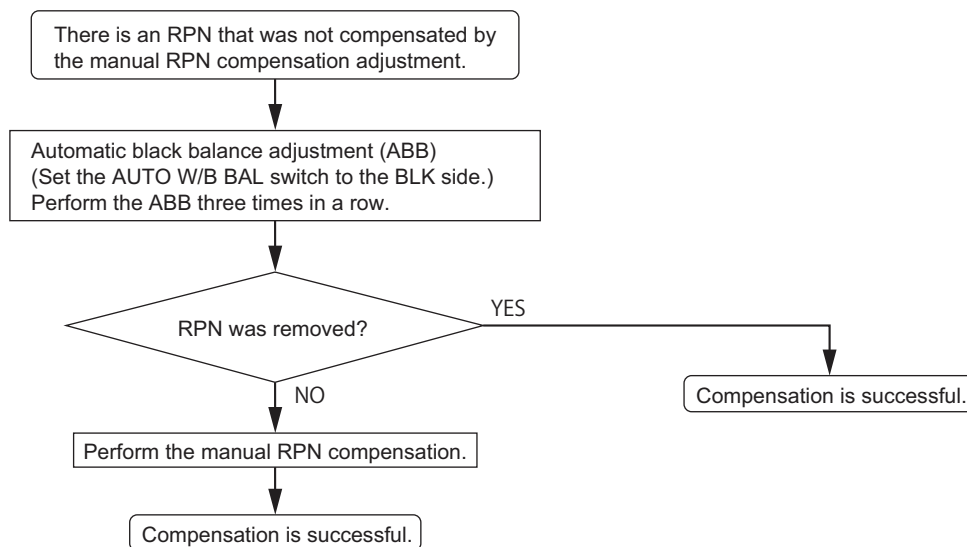
**Notes**

- Set IRIS at the CLOSE position.
- Set the BARS switch to OFF.
- Set the SHUTTER switch to OFF.
- 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)]

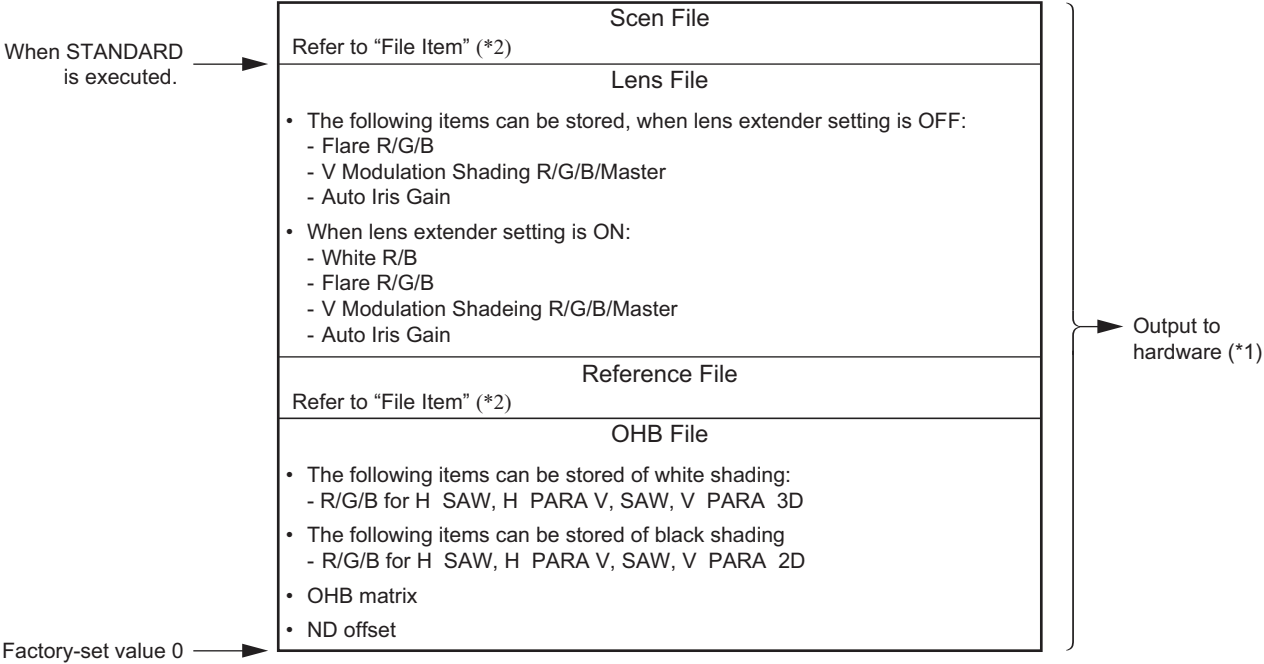
As for the details on the setup menu, refer to [“5. Setup Menu”](#).

### 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 standard settings of Operator File.  
This file can be stored in the camera, yet video data (paint data) cannot be stored.
3. Scen 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

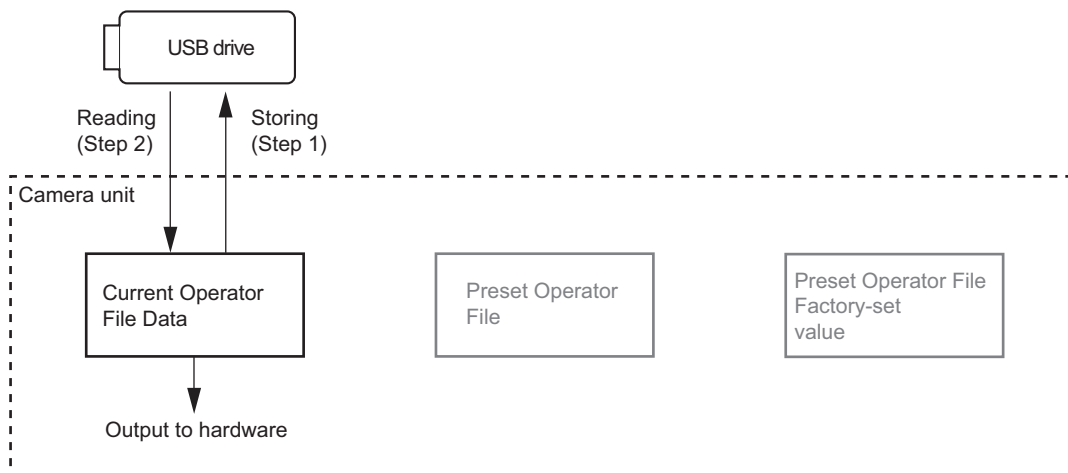
Operator File stores data in the USB drive. Data is stored and read using the setup menu.

### Notes

- 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.

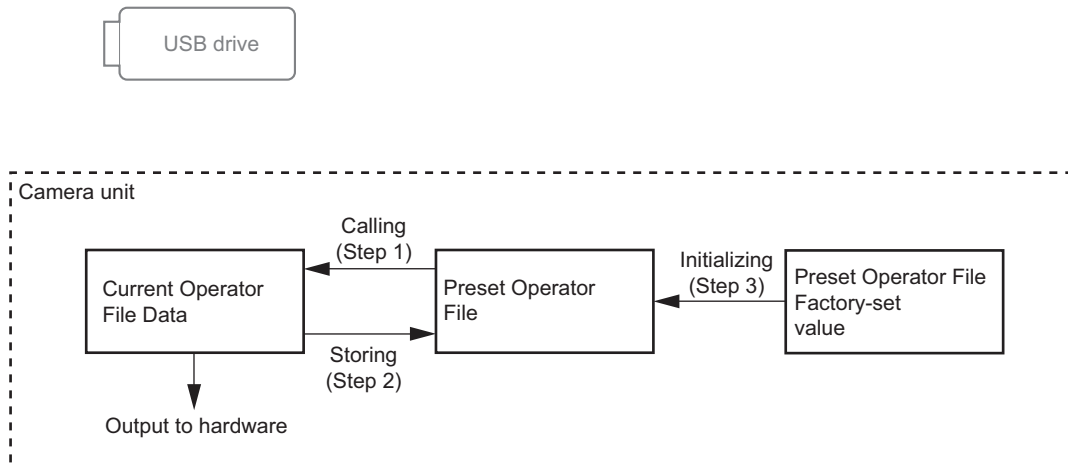
[OPERATION] → [OPERATOR FILE] → [READ (USB → CAM)]

## 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.

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

#### Initializing

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

#### Using FILE Menu of This Unit

Re-set the 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.

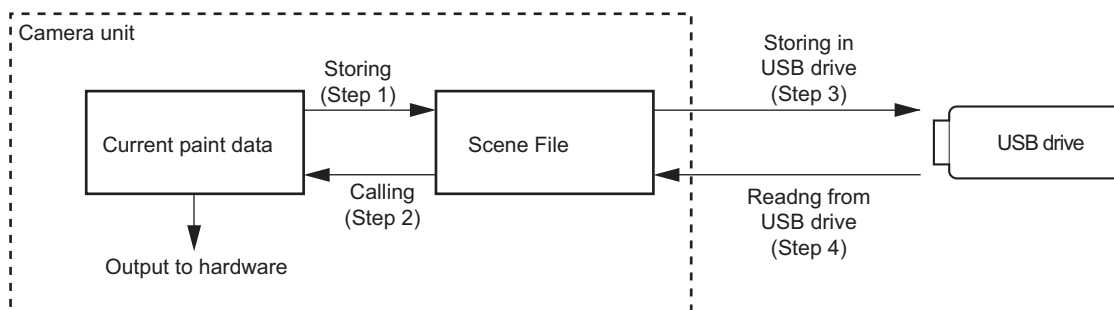
Scene files can be copied between cameras using the USB drive.

### 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 3 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.

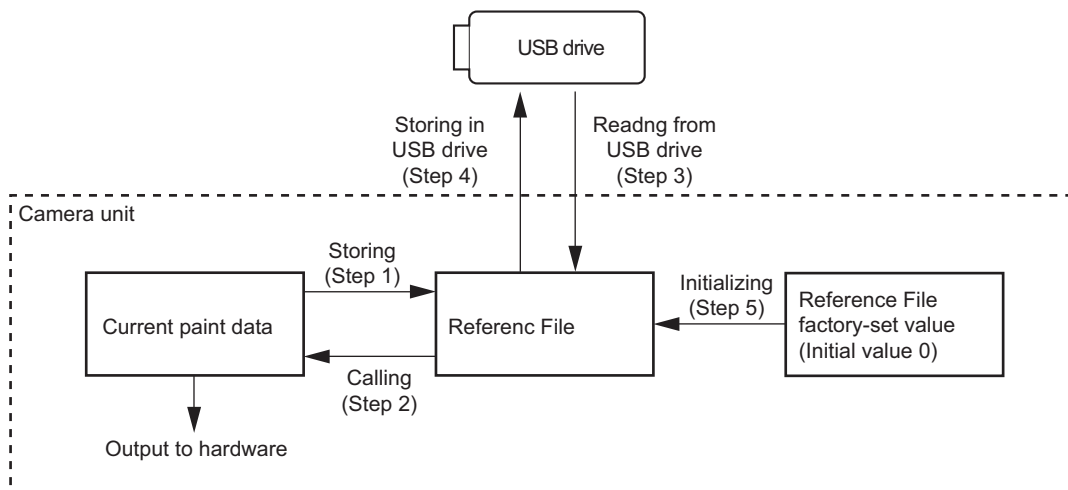
### Note

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

The temporary paint amount and scene file amount are cleared, and the state when the reference file was stored is restored.

[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/MAINTENANCE 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 (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.

[OPERATION] → [LENS FILE]

## 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 File] → [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 File] → [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 File] → [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 File] → [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 File] → [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 File] → [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 File] → [Adjusting] → [Matrix]  
 Perform this adjustment only when it is necessary to adjust a slight difference in color reproduction.
8. Store the OHB File.  
 [OHB File] → [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 | REFER-ENCE File | LENS File | OPERA-TOR File | OHB 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 | ×          | ×               | ×         | ×              | ○        |                 |
|               |                    | Black Shading V Para-B | ×          | ×               | ×         | ×              | ○        |                 |

Continued

| Function       | Switch Item             | Analog File            | SCENE File | REFER-ENCE File | LENS File | OPERA-TOR File | OHB File | Note         |
|----------------|-------------------------|------------------------|------------|-----------------|-----------|----------------|----------|--------------|
|                | 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 | Filter1 (ND)            |                        | ○          | ×               | ×         | ×              | ×        |              |
|                | Filter2 (CC)            |                        | ○          | ×               | ×         | ×              | ×        | HDC2500 only |
|                | 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 | REFER-ENCE File | LENS File | OPERA-TOR File | OHB 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 Apar-<br>ture On           |                      | ○          | ○               | ×         | ×              | ×        |      |
|             |                                 | Knee Apar-<br>ture   | ○          | ○               | ×         | ×              | ×        |      |
| Skin Detail | Skin DTL On                     |                      | ○          | ○               | ×         | ×              | ×        |      |
|             | Natural Skin Detail ON          |                      | ○          | ○               | ×         | ×              | ×        |      |
|             | Skin gate ON                    |                      | ×          | ×               | ×         | ×              | ×        |      |

Continued

| Function                 | Switch Item                 | Analog File  | SCENE File | REFER-ENCE File | LENS File | OPERA-TOR File | OHB File | Note |
|--------------------------|-----------------------------|--------------|------------|-----------------|-----------|----------------|----------|------|
|                          | Skin gate (CCU)             |              | ×          | ×               | ×         | ×              | ×        |      |
|                          | Skin Detail Au-to Hue (ch1) |              | ×          | ×               | ×         | ×              | ×        |      |
|                          | Skin Detail Au-to Hue (ch2) |              | ×          | ×               | ×         | ×              | ×        |      |
|                          | Skin Detail Au-to 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               |              | ×          | ○               | ×         | ×              | ×        |      |
|                          |                             | Phase select | ×          | ×               | ×         | ×              | ×        |      |

Continued

| Function           | Switch Item                 | Analog File              | SCENE File | REFER-ENCE File | LENS File | OPERA-TOR File | OHB File | Note |
|--------------------|-----------------------------|--------------------------|------------|-----------------|-----------|----------------|----------|------|
| Black Gamma        |                             | Hue                      | ×          | ×               | ×         | ×              | ○        |      |
|                    |                             | Saturation               | ×          | ×               | ×         | ×              | ○        |      |
|                    | Black Gamma On              |                          | ○          | ○               | ×         | ×              | ×        |      |
|                    |                             | R Black Gamma            | ○          | ○               | ×         | ×              | ×        |      |
|                    |                             | G Black Gamma            | ○          | ○               | ×         | ×              | ×        |      |
|                    |                             | B Black Gamma            | ○          | ○               | ×         | ×              | ×        |      |
|                    |                             | M Black Gamma            | ○          | ○               | ×         | ×              | ×        |      |
| Low key saturation | Black Gamma (RGB) Range     |                          | ○          | ○               | ×         | ×              | ×        |      |
|                    | Low Key Saturation ON       |                          | ○          | ○               | ×         | ×              | ×        |      |
|                    | Range                       |                          | ○          | ○               | ×         | ×              | ×        |      |
| Gamma              |                             | Low Key Saturation level | ○          | ○               | ×         | ×              | ×        |      |
|                    | 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             | ○          | ○               | ×         | ×              | ×        |      |

Continued

| Function           | Switch Item           | Analog File              | SCENE File | REFER-ENCE File | LENS File | OPERA-TOR File | OHB File | Note                    |
|--------------------|-----------------------|--------------------------|------------|-----------------|-----------|----------------|----------|-------------------------|
|                    |                       | M Knee Slope             | ○          | ○               | ×         | ×              | ×        |                         |
|                    | Knee Max On           |                          | ×          | OFF             | ×         | ×              | ×        |                         |
|                    | Knee Saturation on    |                          | ○          | ○               | ×         | ×              | ×        |                         |
|                    |                       | Knee saturation          | ○          | ○               | ×         | ×              | ×        |                         |
|                    | Auto Knee (DCC) on    |                          | ○          | ○               | ×         | ×              | ×        |                         |
|                    |                       | Auto Knee Point Limit    | ○          | ○               | ×         | ×              | ×        |                         |
|                    |                       | Auto Knee Slope          | ○          | ○               | ×         | ×              | ×        |                         |
| White Clip         | White Clip Off        |                          | ○          | ON              | ×         | ×              | ×        |                         |
|                    |                       | R White Clip             | ○          | ○               | ×         | ×              | ×        |                         |
|                    |                       | G White Clip             | ○          | ○               | ×         | ×              | ×        |                         |
|                    |                       | B White Clip             | ○          | ○               | ×         | ×              | ×        |                         |
|                    |                       | M White Clip             | ○          | ○               | ×         | ×              | ×        |                         |
| Noise Sup-pression | Noise Suppres-sion 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 Limit-er | ○          | ○               | —         | —              | —        | Connected with CCU only |
|                    |                       | SD Detail Black Limit-er | ○          | ○               | —         | —              | —        | 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 |

Continued

| Function           | Switch Item            | Analog File               | SCENE File | REFER-ENCE File | LENS File | OPERA-TOR File | OHB File | Note                    |
|--------------------|------------------------|---------------------------|------------|-----------------|-----------|----------------|----------|-------------------------|
|                    |                        | SD Detail Level De-pend   | ○          | ○               | —         | —              | —        | Connected with CCU only |
|                    |                        | SD Detail Comb            | ○          | ○               | —         | —              | —        | Connected with CCU only |
| 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 |

Continued

| Function              | Switch Item                      | Analog File     | SCENE File | REFER-ENCE File | LENS File | OPERA-TOR File | OHB File | Note                    |
|-----------------------|----------------------------------|-----------------|------------|-----------------|-----------|----------------|----------|-------------------------|
| SD Gamma              | SD Gamma Off                     |                 | ○          | ON              | —         | —              | —        | Connected with CCU only |
|                       |                                  | SD M Gam-<br>ma | ○          | ○               | —         | —              | —        | Connected with CCU only |
| 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 29.97PsF                    |                 | —          | —               | —         | —              | —        | HDC2500 only            |
|                       | 1080 23.98PsF                    |                 | —          | —               | —         | —              | —        | HDC2500 only            |
|                       | 1080 50i                         |                 | —          | —               | —         | —              | —        |                         |
|                       | 1080 25PsF                       |                 | —          | —               | —         | —              | —        | HDC2500 only            |
|                       | 1080 24PsF                       |                 | —          | —               | —         | —              | —        | HDC2500 only            |
|                       | 1080 59.94P                      |                 | —          | —               | —         | —              | —        | HDC2500 only            |
|                       | 1080 50P                         |                 | —          | —               | —         | —              | —        | HDC2500 only            |
|                       | 1080 59.94i x2                   |                 | —          | —               | —         | —              | —        | HDC2500 only            |
|                       | 1080 50i x2                      |                 | —          | —               | —         | —              | —        | HDC2500 only            |
|                       | 720 59.94P                       |                 | —          | —               | —         | —              | —        |                         |
|                       | 720 50P                          |                 | —          | —               | —         | —              | —        |                         |
|                       | 720 59.94P x2                    |                 | —          | —               | —         | —              | —        | HDC2500 only            |
|                       | 720 50P x2                       |                 | —          | —               | —         | —              | —        | HDC2500 only            |
| Digital ex-<br>tender | digital extender on              |                 | ×          | ×               | ×         | ×              | ×        |                         |



| Menu                   | Item           | SCENE<br>File | REFERENCE<br>File | LENS<br>File | OPERATOR<br>File | OHB<br>File | Note            |
|------------------------|----------------|---------------|-------------------|--------------|------------------|-------------|-----------------|
| USER MENU<br>customize |                | —             | —                 | —            | ○                | —           |                 |
| VF DISPLAY             | EX             | —             | —                 | —            | ○                | —           |                 |
|                        | ZOOM           | —             | —                 | —            | ○                | —           |                 |
|                        | DISP           | —             | —                 | —            | ○                | —           |                 |
|                        | FOCUS          | —             | —                 | —            | ○                | —           |                 |
|                        | ND             | —             | —                 | —            | ○                | —           |                 |
|                        | CC             | —             | —                 | —            | ○                | —           | HDC2500<br>only |
|                        | 5600K          | —             | —                 | —            | ○                | —           |                 |
|                        | IRIS           | —             | —                 | —            | ○                | —           |                 |
|                        | WHITE          | —             | —                 | —            | ○                | —           |                 |
|                        | D.EXT          | —             | —                 | —            | ○                | —           |                 |
|                        | GAIN           | —             | —                 | —            | ○                | —           |                 |
|                        | SHUTTER        | —             | —                 | —            | ○                | —           |                 |
|                        | BATT           | —             | —                 | —            | ○                | —           |                 |
|                        | RETURN         | —             | —                 | —            | ○                | —           |                 |
|                        | TALK           | —             | —                 | —            | ○                | —           |                 |
|                        | MESSAG         | —             | —                 | —            | ○                | —           |                 |
| ! IND                  | ND             | —             | —                 | —            | ○                | —           |                 |
|                        | CC             | —             | —                 | —            | ○                | —           | HDC2500<br>only |
|                        | WHITE          | —             | —                 | —            | ○                | —           |                 |
|                        | 5600K          | —             | —                 | —            | ○                | —           |                 |
|                        | GAIN           | —             | —                 | —            | ○                | —           |                 |
|                        | SHUTTER        | —             | —                 | —            | ○                | —           |                 |
|                        | FAN            | —             | —                 | —            | ○                | —           |                 |
|                        | EXT            | —             | —                 | —            | ○                | —           |                 |
|                        | FORMAT         | —             | —                 | —            | ○                | —           |                 |
|                        | Y TALLY        | —             | —                 | —            | ○                | —           |                 |
| VF MARKER              | MARKER         | —             | —                 | —            | ○                | —           |                 |
|                        | LEVEL          | —             | —                 | —            | ○                | —           |                 |
|                        | CENTER         | —             | —                 | —            | ○                | —           |                 |
|                        | SAFETY<br>ZONE | —             | —                 | —            | ○                | —           |                 |
|                        | EFFECT         | —             | —                 | —            | ○                | —           |                 |
|                        | ASPECT         | —             | —                 | —            | ○                | —           |                 |
|                        | MASK           | —             | —                 | —            | ○                | —           |                 |
|                        | SAFETY         | —             | —                 | —            | ○                | —           |                 |

Continued

| Menu              | Item              | SCENE<br>File | REFERENCE<br>File | LENS<br>File | OPERATOR<br>File | OHB<br>File | Note |
|-------------------|-------------------|---------------|-------------------|--------------|------------------|-------------|------|
| 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        | —             | —                 | —            | ○                | —           |      |
| ZEBRA             | POSITION V        | —             | —                 | —            | ○                | —           |      |
|                   | ZEBRA             | —             | —                 | —            | ○                | —           |      |
|                   | ZEBRA1 LEV-<br>EL | —             | —                 | —            | ○                | —           |      |
|                   | WIDTH             | —             | —                 | —            | ○                | —           |      |
| CURSOR            | ZEBRA2 LEV-<br>EL | —             | —                 | —            | ○                | —           |      |
|                   | CURSOR            | —             | —                 | —            | ○                | —           |      |
|                   | BOX/CROSS         | —             | —                 | —            | ○                | —           |      |
|                   | H POSITION        | —             | —                 | —            | ○                | —           |      |
|                   | V POSITION        | —             | —                 | —            | ○                | —           |      |
|                   | WIDTH             | —             | —                 | —            | ○                | —           |      |
| BOX MEMO-<br>RY   | HEIGHT            | —             | —                 | —            | ○                | —           |      |
|                   | H POSI            | —             | —                 | —            | ○                | —           |      |
|                   | V POSI            | —             | —                 | —            | ○                | —           |      |
|                   | WIDTH             | —             | —                 | —            | ○                | —           |      |
| SPIRIT LEVEL      | HEIGHT            | —             | —                 | —            | ○                | —           |      |
|                   | INDICATOR         | —             | —                 | —            | ○                | —           |      |
|                   | V POSITION        | —             | —                 | —            | ○                | —           |      |
|                   | OFFSET            | —             | —                 | —            | ○                | —           |      |

Continued

| Menu                | Item                             | SCENE<br>File | REFERENCE<br>File | LENS<br>File | OPERATOR<br>File | OHB<br>File | Note |
|---------------------|----------------------------------|---------------|-------------------|--------------|------------------|-------------|------|
| 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                            | —             | —                 | —            | ○                | —           |      |
| INTERCOM 1          | INTERCOM1<br>RECEIVE SE-<br>LECT | —             | —                 | —            | ○                | —           |      |
|                     | INTERCOM                         | —             | —                 | —            | ○                | —           |      |
|                     | PGM1                             | —             | —                 | —            | ○                | —           |      |
|                     | PGM2                             | —             | —                 | —            | ○                | —           |      |
|                     | TRACKER                          | —             | —                 | —            | ○                | —           |      |
|                     | SIDE TONE                        | —             | —                 | —            | ○                | —           |      |

Continued

| Menu       | Item                             | SCENE<br>File | REFERENCE<br>File | LENS<br>File | OPERATOR<br>File | OHB<br>File | Note |
|------------|----------------------------------|---------------|-------------------|--------------|------------------|-------------|------|
| 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 switch.

---

##### 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 MENU switch toward the “CANCEL” side.

The original setting is restored.

After the rotary encoder is pressed, 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 the service menu.

For details, refer to “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. When AF DISPLAY in “SETUP” in the SERVICE menu is set to ON, the area marker 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 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           | SETUP          | Scene files number setting, Focal area marker and a focusing indicator displaying, Resume setting of filter position, Lens communications setting, Optical filter disks number 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           | SERIAL NO.     | Model name setting, Serial number setting                                                                                                                                              | <a href="#">page 5-6</a> |
| S11           | 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.

#### SETUP

|                   |         |
|-------------------|---------|
| <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 autofocus 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 INTERFACE 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 |         |

When the CC filter is replaced with a nonstandard color temperature conversion filter, change this setting. However, when the CC filter is replaced with a filter without color temperature conversion, such as cross filter, set 3200K. This setting is 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 Effectively”](#).

---

## OHB\_ADJ1

|              |       |           |
|--------------|-------|-----------|
| <OHB_ADJ1>   |       | S05 TOP   |
| 1080-59.94i  |       |           |
|              | [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 to [“3-3-3. Sensitivity Adjustment Preparation Coarse adjustment”](#).

---

## OHB\_ADJ2

|              |       |           |
|--------------|-------|-----------|
| <OHB_ADJ2>   |       | S06 TOP   |
| 1080-59.94i  |       |           |
|              | [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 to [“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 \(BLACK OFFSET Adjustment\) Preparation”](#)
- [“3-3-2. BLACK SET Adjustment Preparation”](#)
- [“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 BLACK 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.

---

## SERIAL NO.

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

The display screen is the case of serial number 10001 of HDC2500.

|              |         |
|--------------|---------|
| <SERIAL NO.> | S10 TOP |
| MODEL :      | HDC2500 |
| NO. :        | 10001   |
| OHB TYPE :   | IT ALL  |

The SERIAL NO. menu is used displaying the current model name, serial number and the OHB type.

---

## OPTION

|                 |         |
|-----------------|---------|
| <OPTION>        | S11 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.

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

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

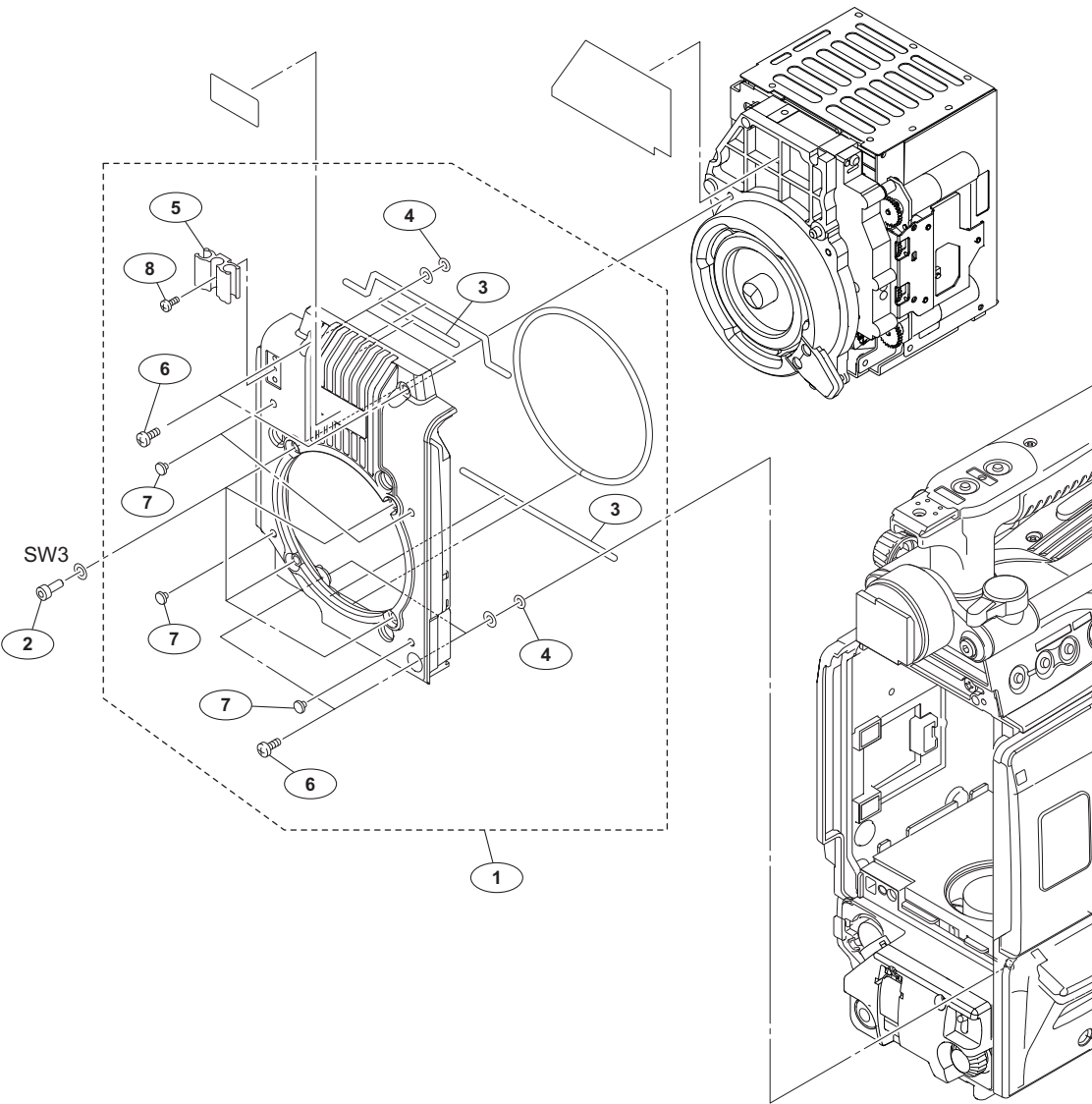
部品表の SP (Supply code) 欄に “o” で示される部品は在庫していないことがあります。納期が長くなる場合があります。

##### 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。

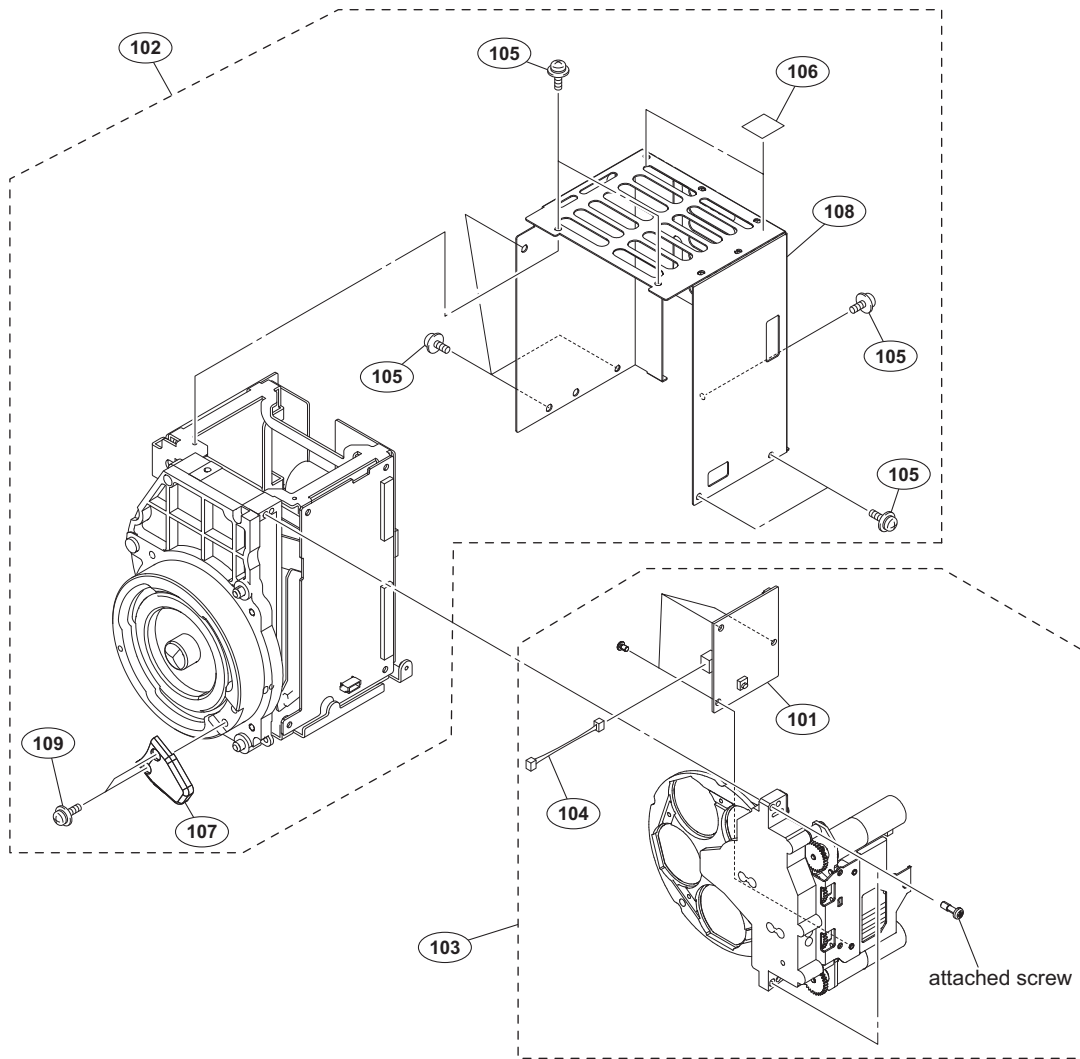
## 6-2. Exploded Views

### Front Panel



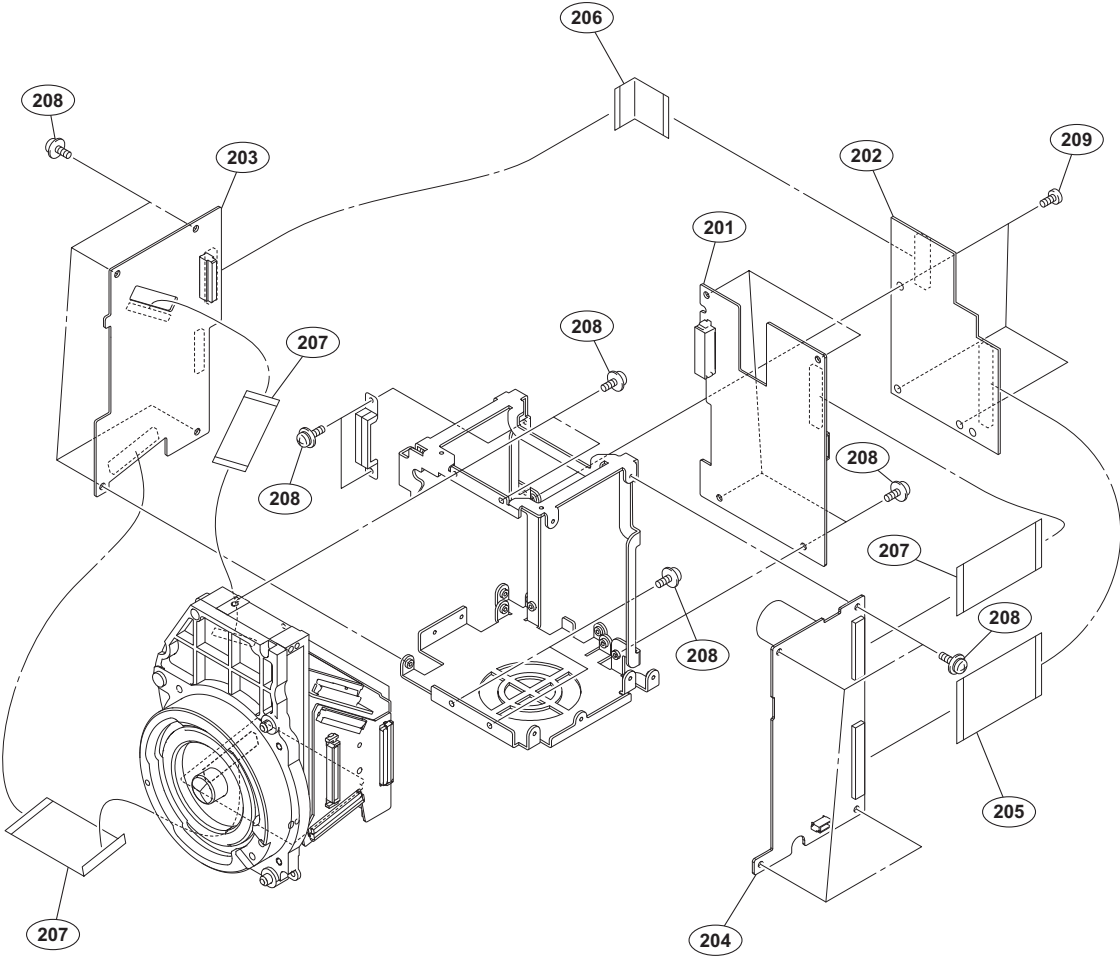
| No. | Part No.     | SP Description           |
|-----|--------------|--------------------------|
| 1   | A-1838-946-A | s FRONT PANEL ASSY       |
| 2   | 2-623-773-11 | s BOLT (M3X8), STAINLESS |
| 3   | 3-624-455-01 | s TUBE, SHIELD           |
| 4   | 3-672-250-01 | s RING (M2.6), O         |
| 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-1838-925-A s | OHB ASSY (IT)                 |
| 103 | A-1845-719-A s | FD ASSY (HDC2500)             |
|     | A-1845-723-A s | FD (B) ASSY (HDC2400)         |
| 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                |

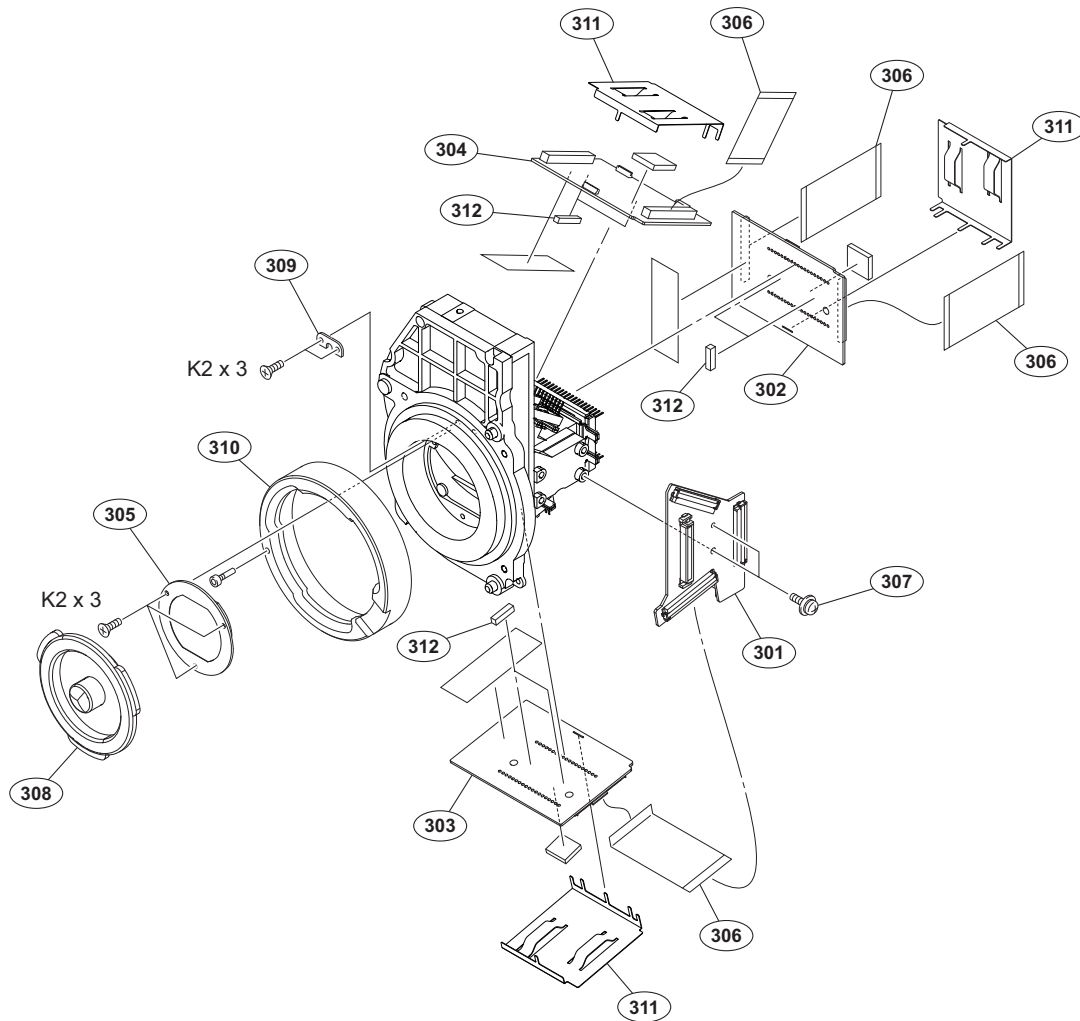
**OHB Block-2**



| No. | Part No.       | SP Description                 |
|-----|----------------|--------------------------------|
| 201 | A-1860-209-A s | MOUNTED CIRCUIT BOARD, TG-276  |
| 202 | A-1860-210-A s | MOUNTED CIRCUIT BOARD, CN-3315 |
| 203 | A-1860-212-A s | MOUNTED CIRCUIT BOARD, VA-243  |
| 204 | A-1860-213-A s | MOUNTED CIRCUIT BOARD, DR-657  |
| 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 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SW    |
| 209 | 3-965-077-02 s | SCREW, SPECIAL (M2)            |

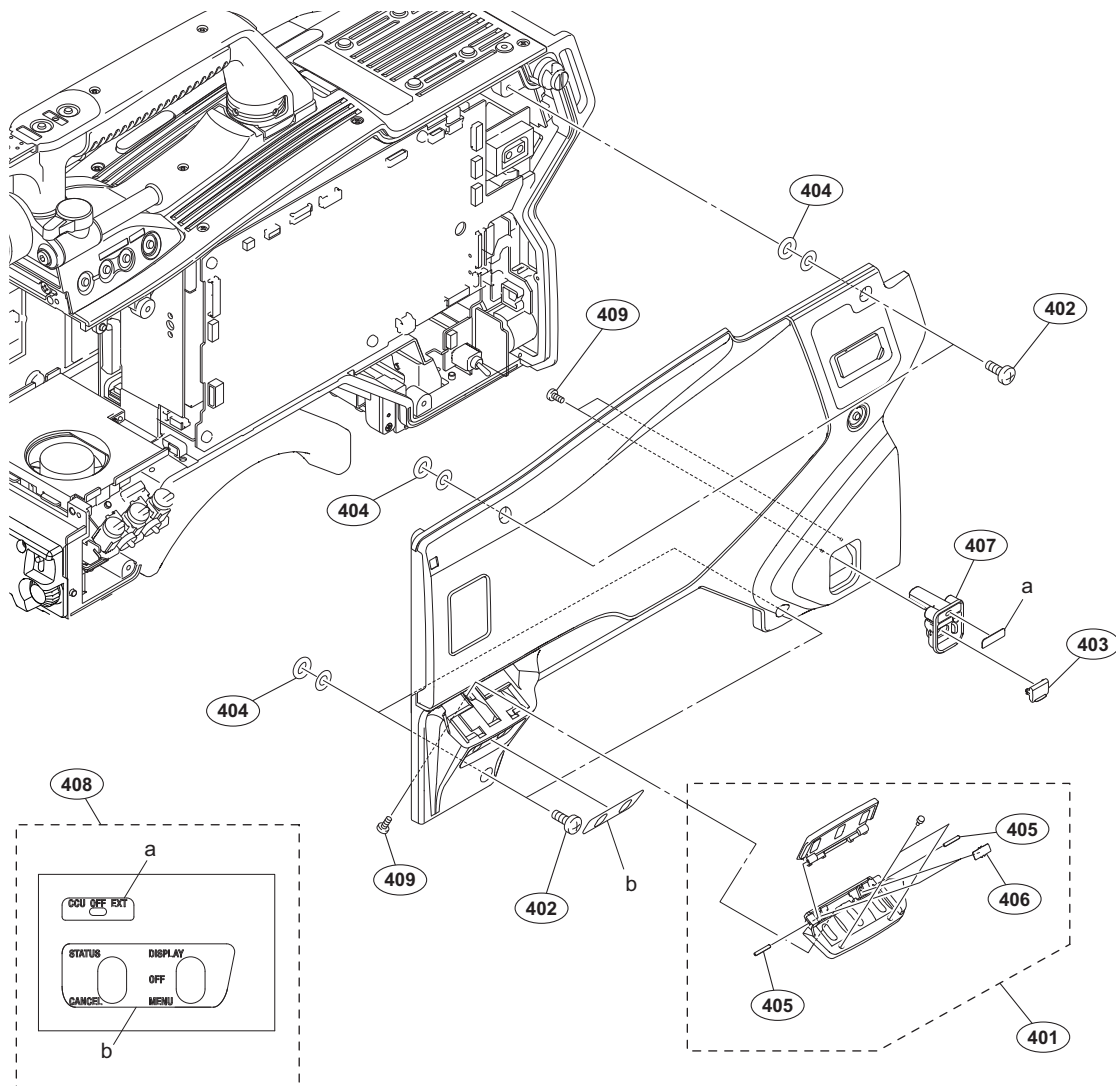


## OHB Block-3



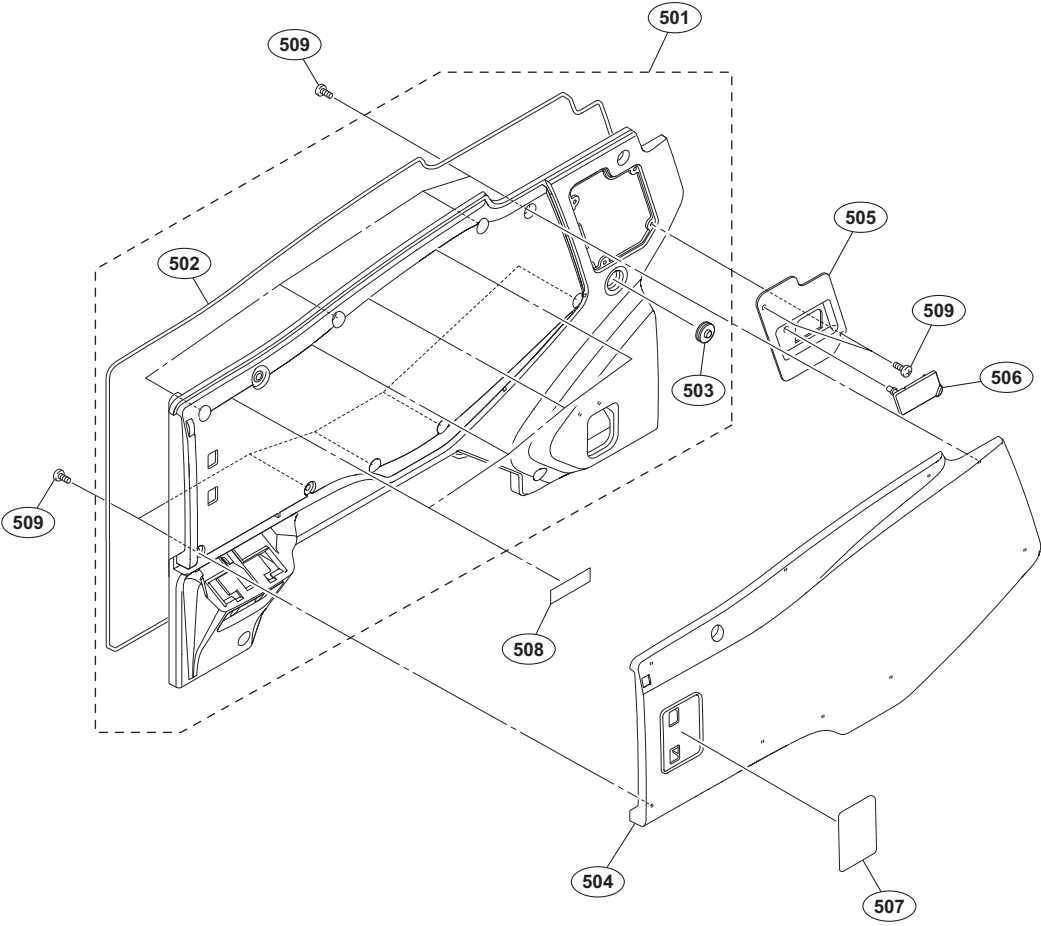
| No. | Part No.       | SP Description                 |
|-----|----------------|--------------------------------|
| 301 | A-1860-211-A s | MOUNTED CIRCUIT BOARD, IF-1168 |
| 302 | A-1860-214-A s | MOUNTED CIRCUIT BOARD, PA-388  |
| 303 | A-1860-215-A s | MOUNTED CIRCUIT BOARD, PA-389  |
| 304 | A-1860-216-A s | MOUNTED CIRCUIT BOARD, PA-390  |
| 305 | 1-788-764-21 s | FILTER UNIT, OPTICAL           |
| 306 | 1-831-660-11 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 | 4-415-736-01 s | SHIELD CASE                    |
| 312 | 4-415-737-01 s | SPACER                         |
|     | 7-627-452-18 s | SCREW, PRECISION +K 2X3        |

## Inside-1



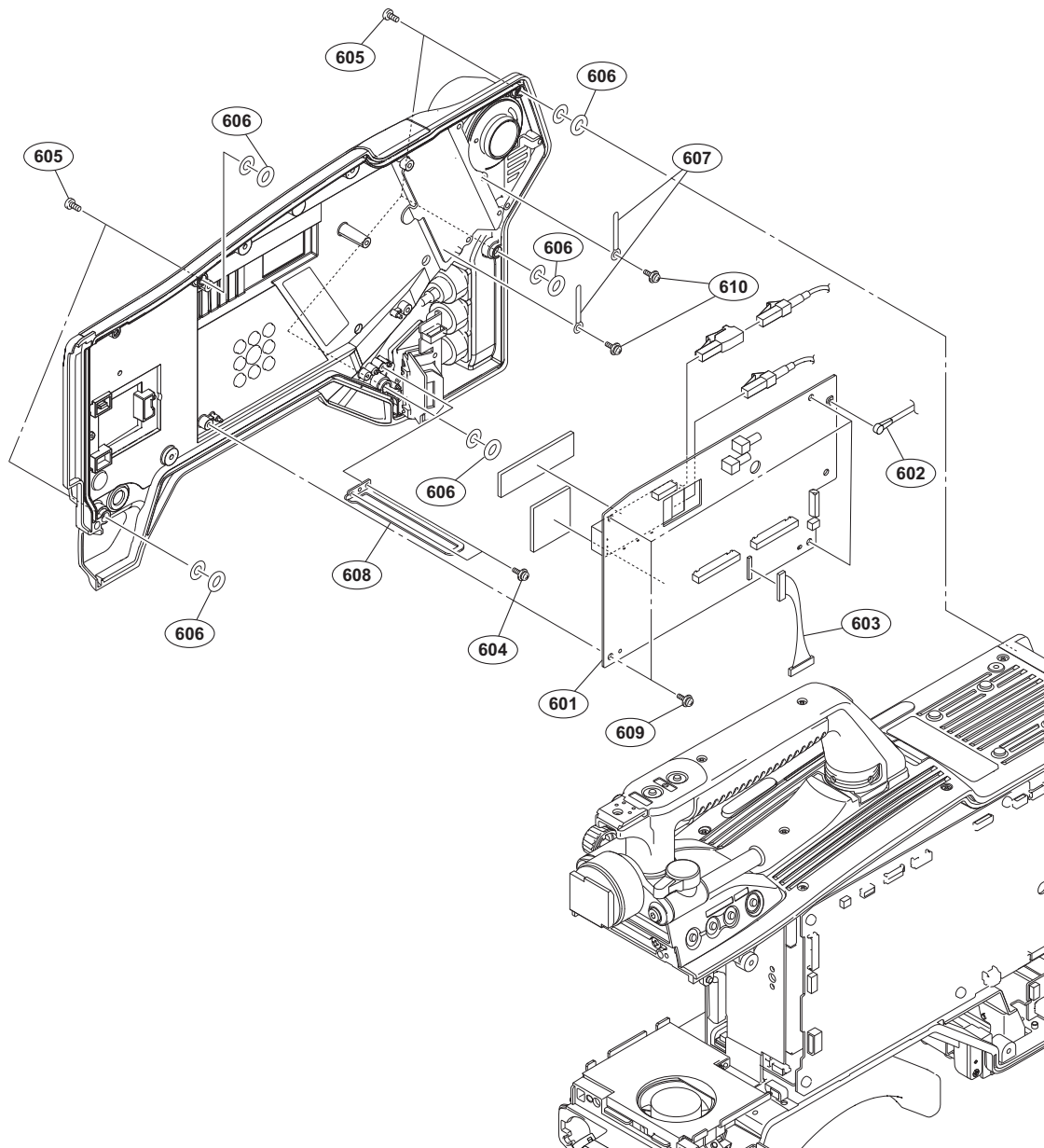
| No. | Part No.       | SP Description             |
|-----|----------------|----------------------------|
| 401 | A-1838-923-A s | INSIDE SWITCHCOVER ASSY    |
| 402 | 3-603-679-02 s | STAINLESS SCREW +B3X10     |
| 403 | 3-612-669-01 o | LID, POWER SW              |
| 404 | 3-672-250-01 s | RING (M2.6), 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



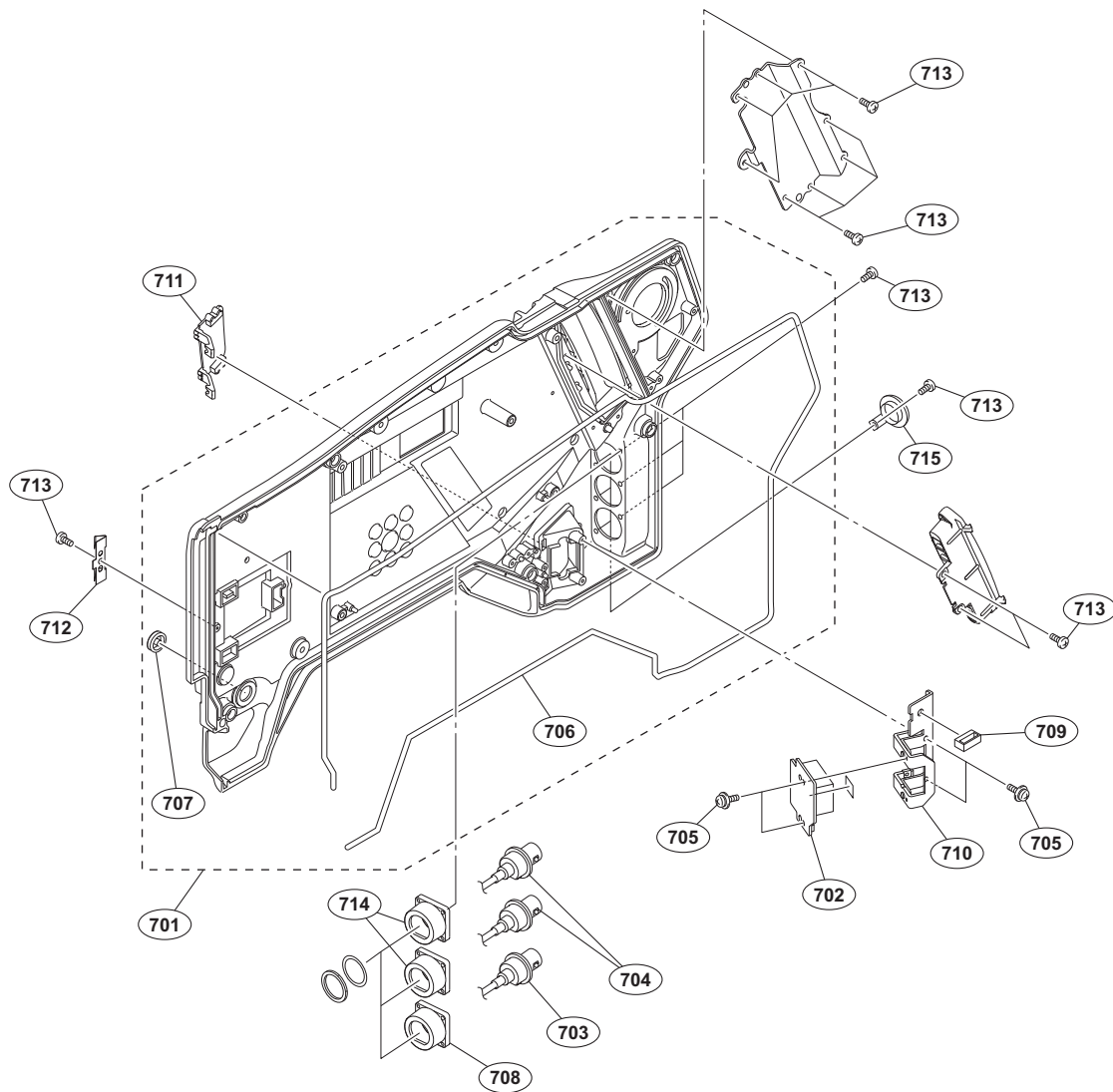
| No. | Part No.     | SP Description            |
|-----|--------------|---------------------------|
| 501 | A-1838-924-A | s INSIDE PANEL SUBASSY    |
| 502 | 3-624-455-01 | s TUBE, SHIELD            |
| 503 | 3-676-244-03 | s COVER, SWITCH           |
| 504 | 4-294-962-01 | s INSIDE PAD              |
| 505 | 4-415-077-01 | s PANEL, BLANK (DC OUT)   |
| 506 | 4-415-079-01 | s CAP, CONNECTOR (DC OUT) |
| 507 | 4-415-880-01 | s LABEL, FILTER (MULTI)   |
| 508 | 4-422-703-01 | s TAPE, VHB               |
| 509 | 4-654-273-02 | s ACE (M2), LOCK          |

## Outside-1



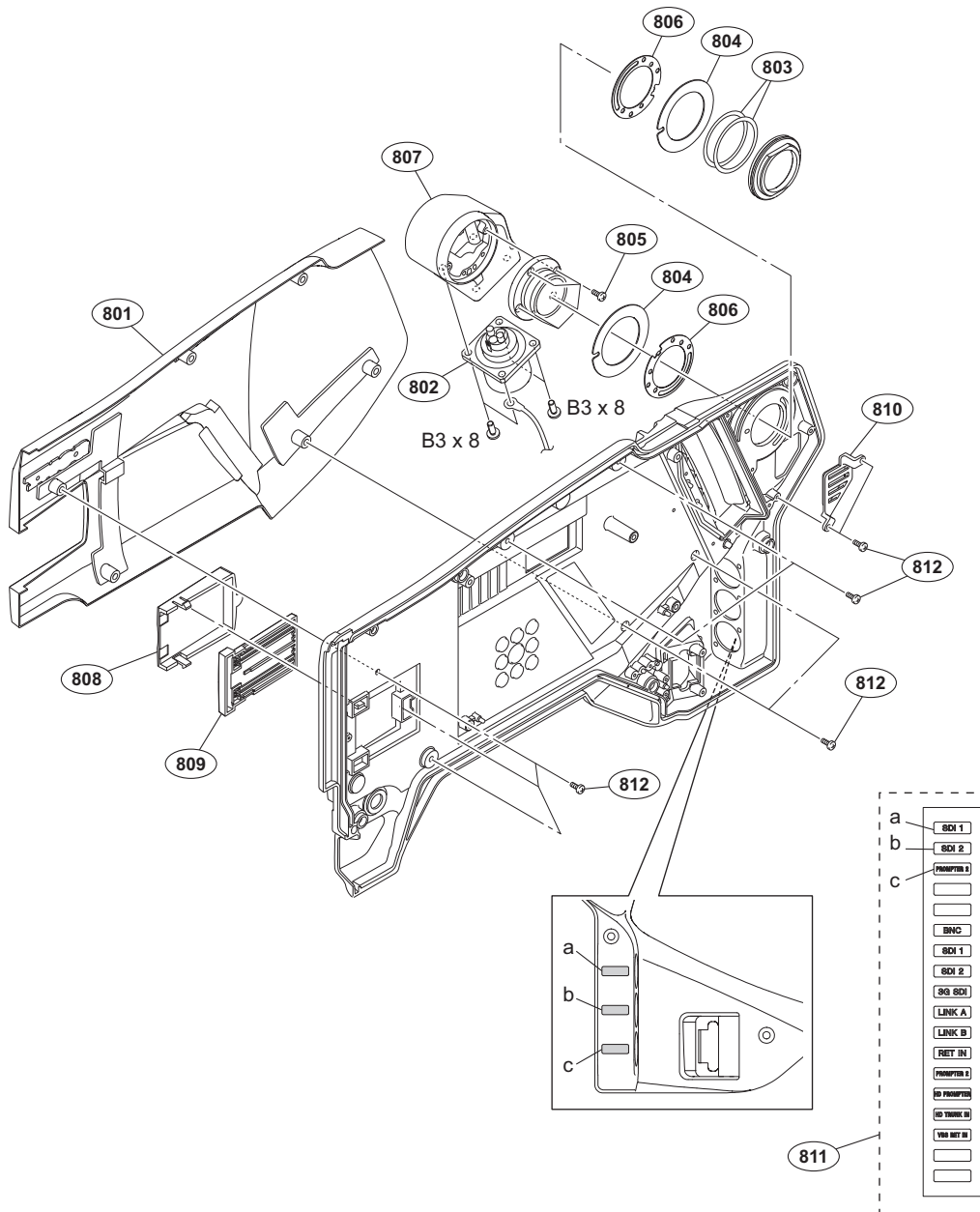
| No. | Part No.     | SP Description                           |
|-----|--------------|------------------------------------------|
| 601 | A-1851-270-A | s MOUNTED CIRCUIT BOARD, SDI-109         |
| 602 | 1-839-547-11 | s CABLE ASSEMBLY, COAXIAL                |
| 603 | 1-839-914-11 | s FPC WITH CABLE, CONNECTOR WITH COAXIAL |
| 604 | 2-640-315-02 | o SCREW (M2X5), SMALL, +P, SW            |
| 605 | 3-603-679-02 | s STAINLESS SCREW +B3X10                 |
| 606 | 3-672-250-01 | o RING (M2.6), O                         |
| 607 | 3-701-822-01 | s HOLDER, WIRE                           |
| 608 | 4-138-680-01 | s SUPPORT, OUTSIDE PANEL                 |
| 609 | 4-382-854-51 | s SCREW (M3X6), P, SW (+)                |
| 610 | 4-654-273-02 | s ACE (M2), LOCK                         |

## Outside-2



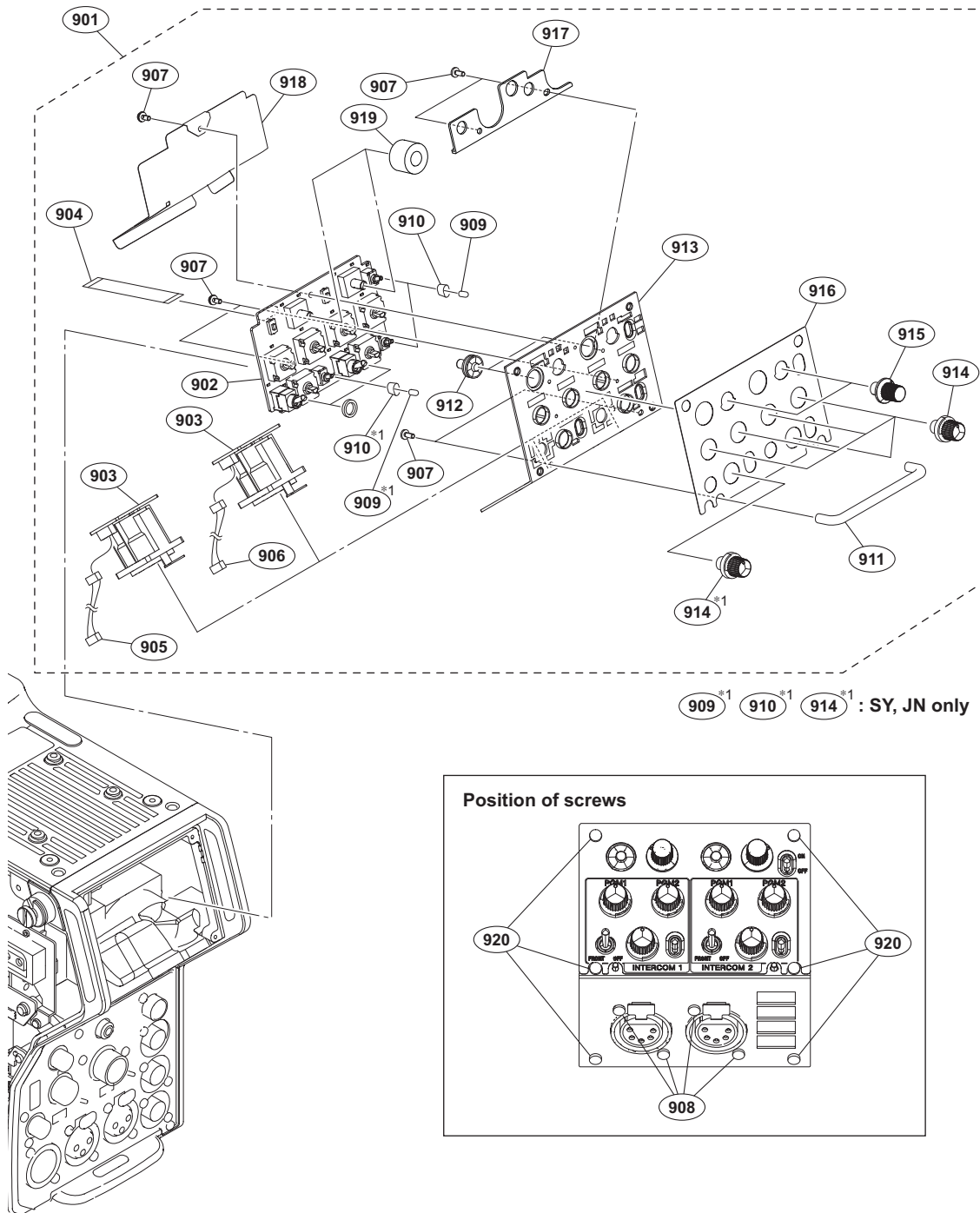
| No. | Part No.       | SP Description                 |
|-----|----------------|--------------------------------|
| 701 | A-1838-871-A s | OUTSIDE PANEL SUB ASSY         |
| 702 | A-1860-045-A s | MOUNTED CIRCUIT BOARD, CN-3434 |
| 703 | 1-784-240-11 s | CONVERTER, COAXIAL CONNECTOR   |
| 704 | 1-837-868-11 s | CABLE ASSY, COAXIAL            |
| 705 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SWX4  |
| 706 | 3-624-455-01 s | TUBE, SHIELD                   |
| 707 | 3-676-244-03 s | COVER, SWITCH                  |
| 708 | 3-863-319-01 s | BRACKET BNC                    |
| 709 | 4-098-036-01 s | SADDLE WIRE (A)                |
| 710 | 4-293-494-01 s | CN BRACKET (CN-3434)           |
| 711 | 4-293-509-01 s | ETHER CAP                      |
| 712 | 4-298-877-01 s | SPRING, NUMBER FRAME           |
| 713 | 4-654-273-02 s | ACE (M2), LOCK                 |
| 714 | 4-184-884-01 s | BRACKET BNC                    |
| 715 | 3-872-935-01 s | CAP, BNC                       |

## Outside-3



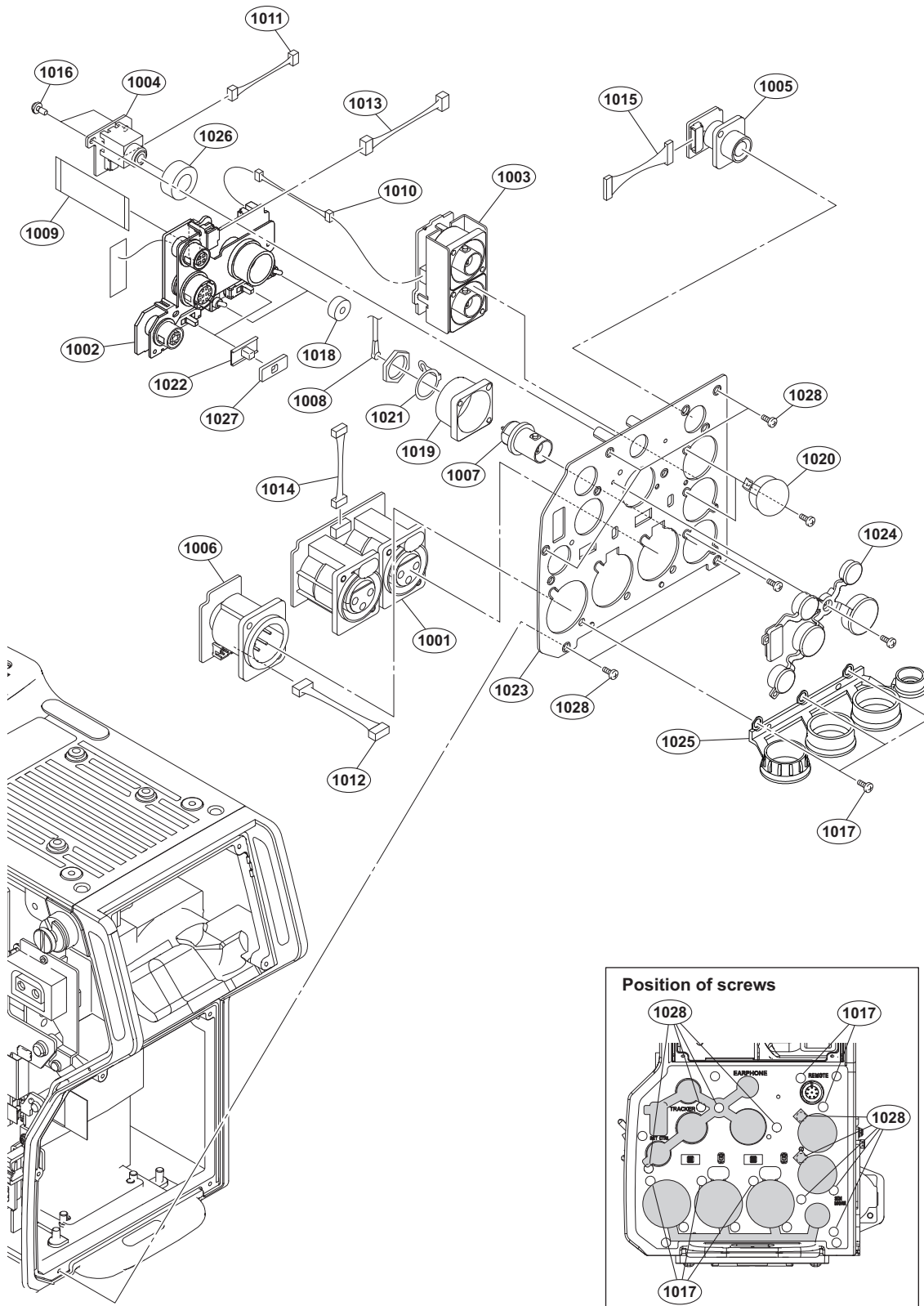
| No. | Part No.       | SP Description                          |
|-----|----------------|-----------------------------------------|
| 801 | X-2583-588-1 s | OUTSIDE PAD ASSY                        |
| 802 | 1-839-826-11 s | OPTICAL MULTI CABLE ASSEMBLY-M (SY, CE) |
|     | 1-839-827-11 s | OPTICAL MULTI CABLE ASSEMBLY (JN, E3)   |
| 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 | 4-411-059-01 s | LABEL (BNC)                             |
| 812 | 4-654-273-02 s | ACE (M2), LOCK                          |
|     | 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, E3)             | 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, E3) | 913 | 4-414-613-01 s | PANEL, INCOM (SY, JN)     |
| 903 | A-1860-042-A s | MOUNTED CIRCUIT BOARD, CN-3431            |     | 4-414-614-01 s | PANEL, INCOM (P) (CE, E3) |
| 904 | 1-836-443-11 s | CABLE, FLEXIBLE FLAT (15 CORE)            | 914 | 4-414-615-01 s | KNOB, VR                  |
| 905 | 1-968-145-11 s | HARNESS, SUB (INCOM2)                     | 915 | 4-414-616-01 s | KNOB, RETURN SELECT       |
| 906 | 1-968-151-11 s | HARNESS, SUB (INCOM1)                     | 916 | 4-414-619-01 s | SHEET, INCOM (SY, JN)     |
| 907 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SW               |     | 4-414-622-01 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 | 4-414-621-01 s | SHEET, DC LINE PROTECTION |
|     |                |                                           | 919 | 4-414-623-01 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 |

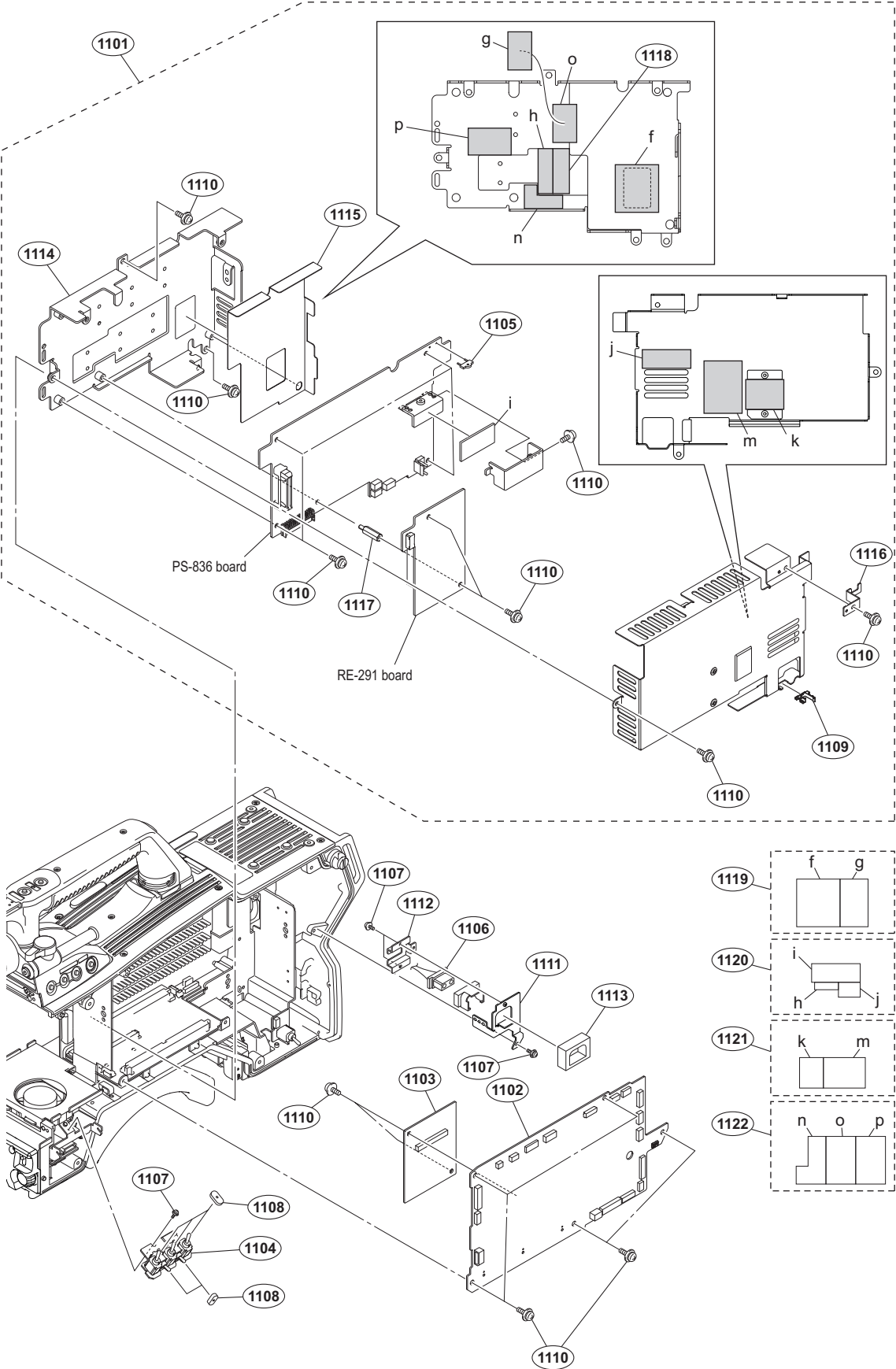
| No.  | Part No.       | SP Description                 |
|------|----------------|--------------------------------|
| 1007 | 1-784-240-11 s | CONVERTER, COAXIAL CONNECTOR   |
| 1008 | 1-830-742-11 s | CABLE ASSEMBLY, COAXIAL        |
| 1009 | 1-831-147-11 s | CABLE, FLEXIBLE FLAT (36 CORE) |
| 1010 | 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 | 4-414-612-01 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                 |

PS Block



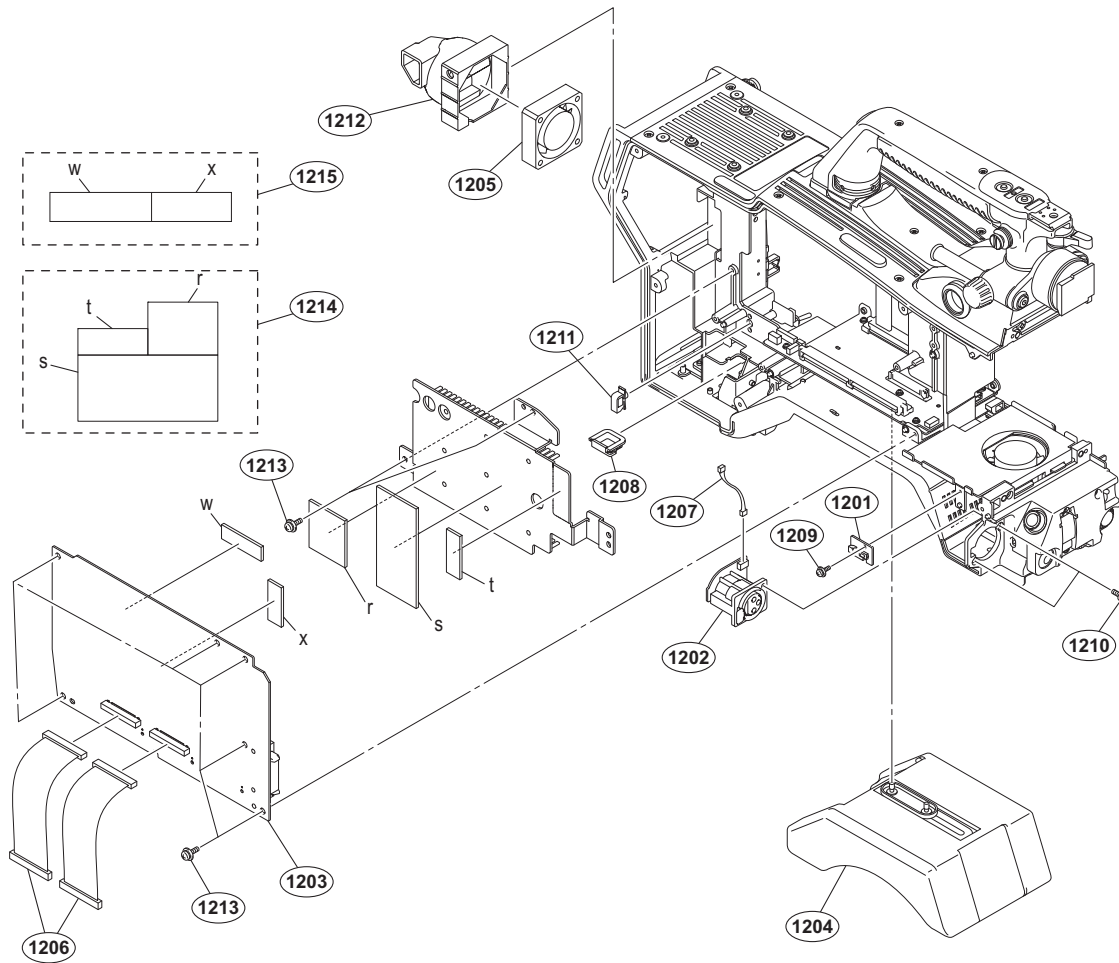
| No.  | Part No.         | SP Description   |
|------|------------------|------------------|
| 1101 | △ A-1838-556-A s | POWER BLOCK ASSY |

| No.  | Part No.       | SP Description                |
|------|----------------|-------------------------------|
| 1102 | A-1859-952-A s | MOUNTED CIRCUIT BOARD, SY-408 |
| 1103 | A-1859-953-A s | MOUNTED CIRCUIT BOARD, AT-189 |

**PS Block**

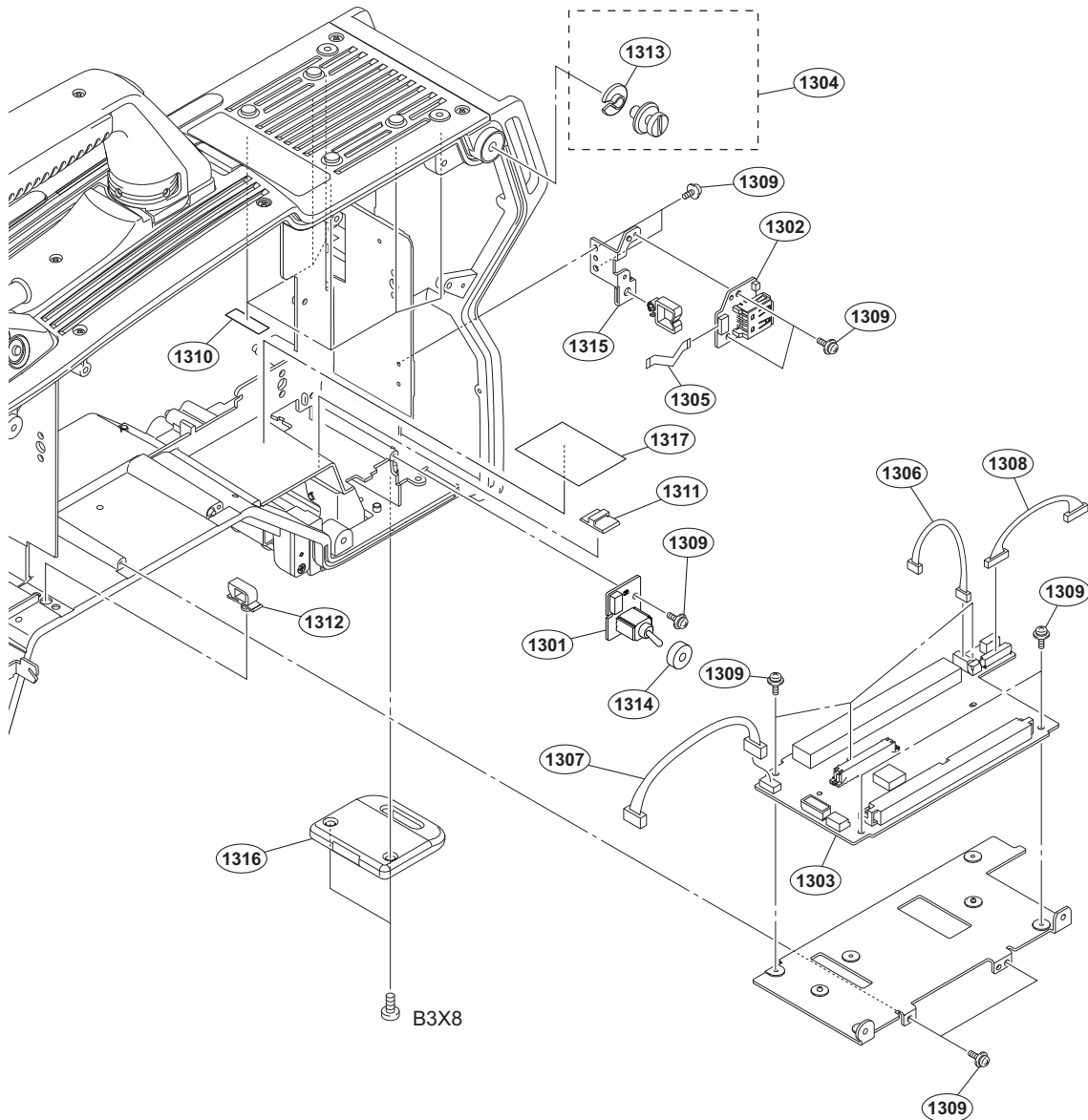
| No.  | Part No.       | SP Description                 |
|------|----------------|--------------------------------|
| 1104 | A-1860-029-A s | MOUNTED CIRCUIT BOARD, SW-1528 |
| 1105 | 1-780-834-11 s | PIN, JUMPER                    |
| 1106 | 1-968-160-11 s | HARNESS, SUB (DC-OUT)          |
| 1107 | 2-640-315-02 o | SCREW (M2X5), SMALL, +P, SW    |
| 1108 | 3-872-587-01 s | CUSHION, TOGGLE-SW             |
| 1109 | 4-137-926-01 s | SADDLE (LES-0505), EDGE        |
| 1110 | 4-382-854-51 s | SCREW (M3X6), P, SW (+)        |
| 1111 | 4-415-075-02 s | BRACKET, DC OUT                |
| 1112 | 4-415-076-01 s | COVER, DC OUT                  |
| 1113 | 4-415-078-01 s | PACKING, DC OUT                |
| 1114 | 4-415-274-01 s | PS BRACKET                     |
| 1115 | 4-415-276-01 s | PS SHEET                       |
| 1116 | 4-415-278-01 s | STOPPER, PIN                   |
| 1117 | 4-415-279-01 s | SUPPORT (3SQ-16), HEXAGON      |
| 1118 | 4-415-280-01 s | SHEET (T1), THERMAL            |
| 1119 | 4-415-281-02 s | SHEET (T1.5), THERMAL          |
| 1120 | 4-415-282-01 s | SHEET (T2), THERMAL            |
| 1121 | 4-415-283-01 s | SHEET (T3.5), THERMAL          |
| 1122 | 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-1860-208-A s                                                                                     | MOUNTED CIRCUIT BOARD, DPR-338 |
| 1204 | A-8286-163-C s                                                                                     | PAD ASSY, SHOULDER             |
| 1205 |  1-787-847-11 s | FAN, DC (40SQWRE)              |
| 1206 | 1-839-904-11 s                                                                                     | FPC WITH CONNECTOR (DPR-SDI)   |
| 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            |

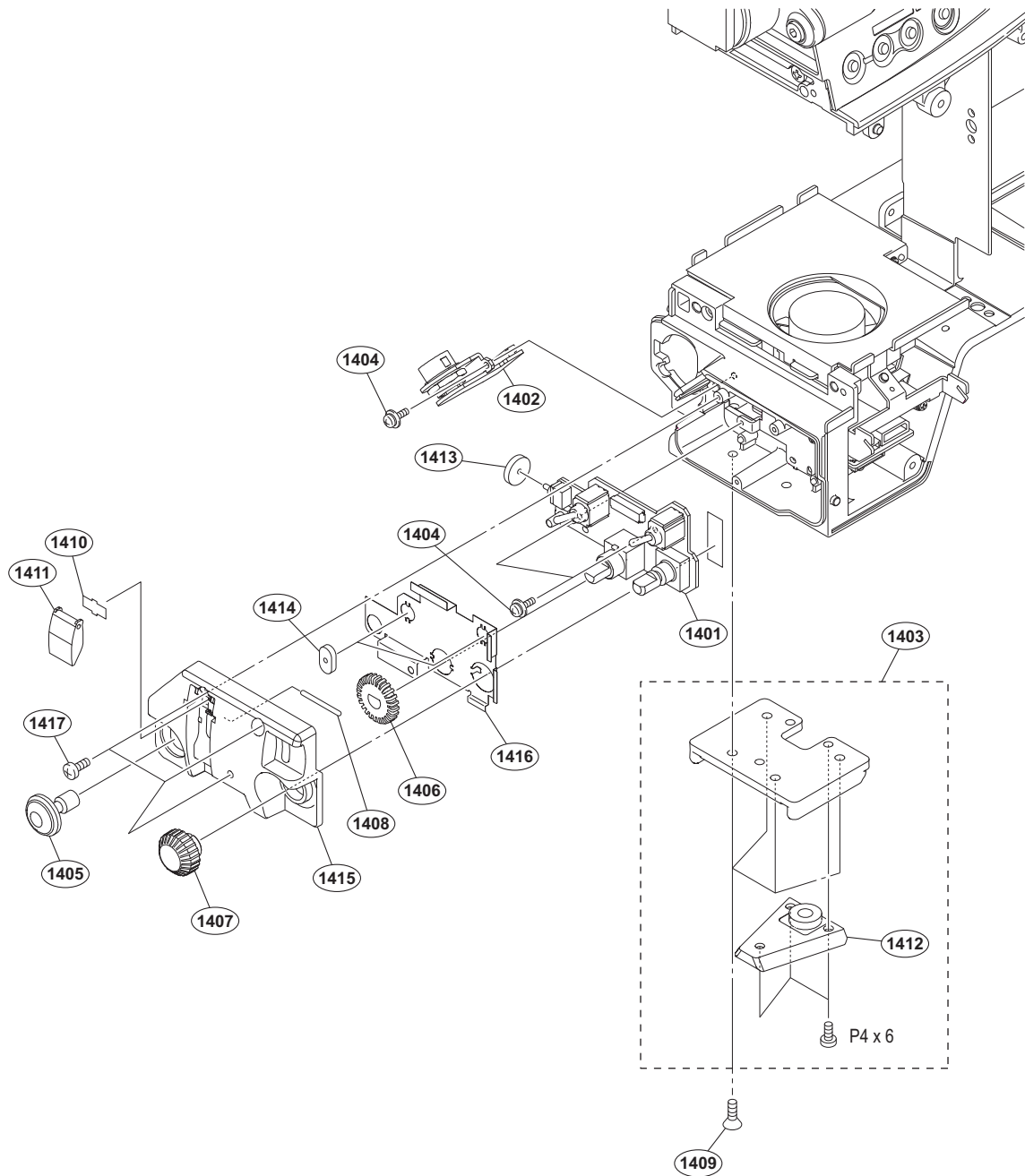
## MB Block



| 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         |

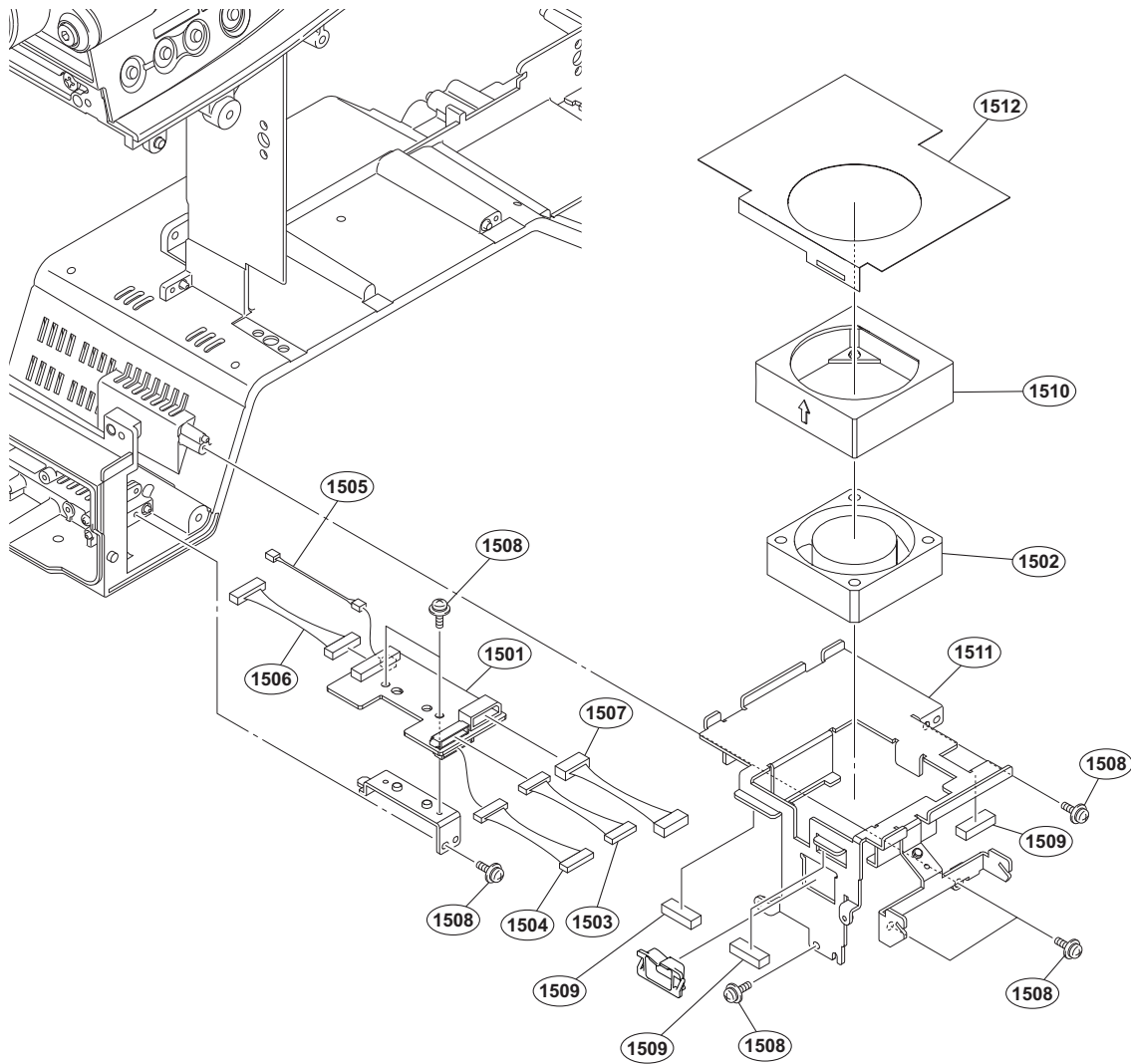
7-682-548-09 s SCREW +B 3X8

## Front SW Block



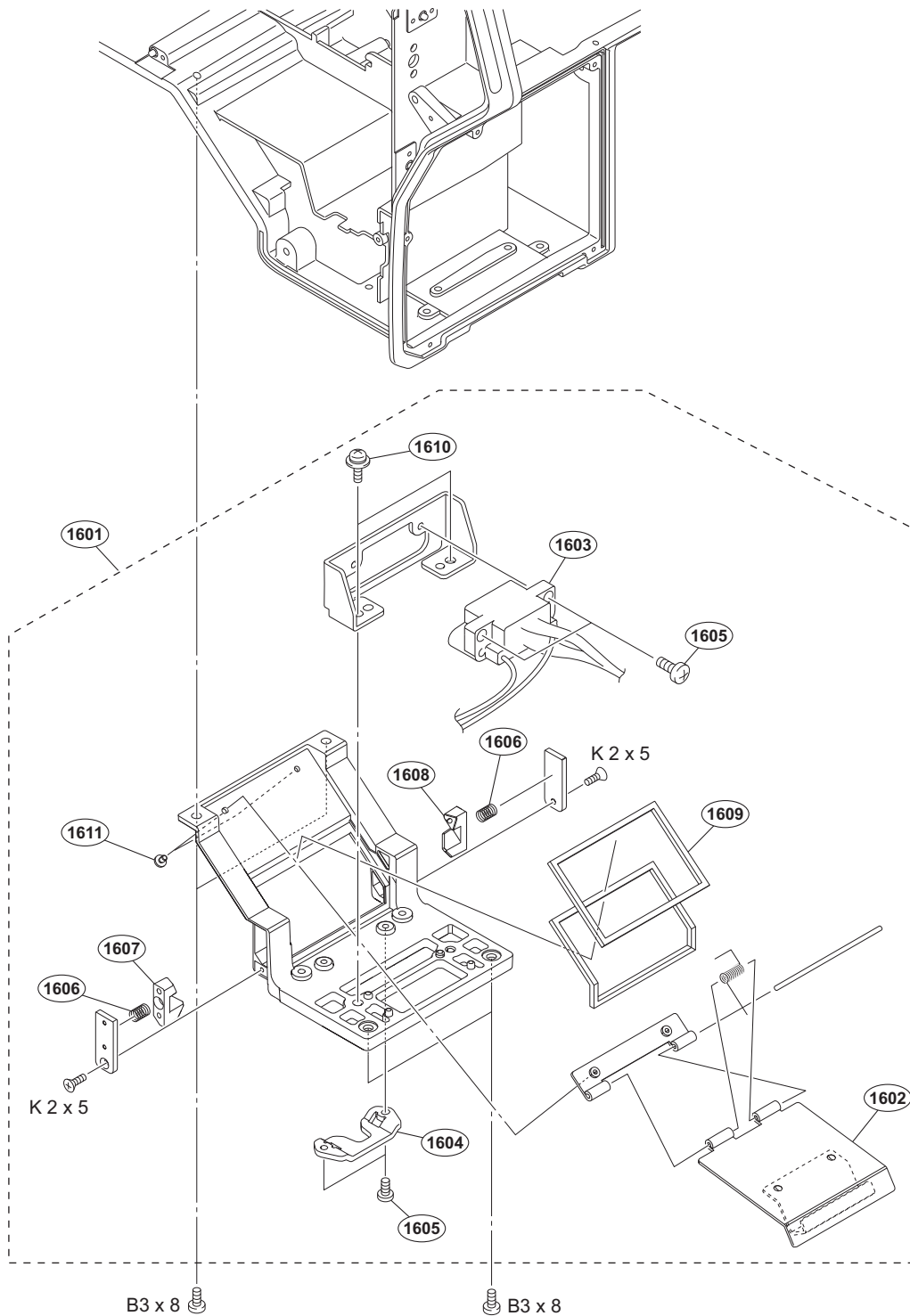
| No.  | Part No.     | SP Description                   | No.  | Part No.     | SP Description   |
|------|--------------|----------------------------------|------|--------------|------------------|
| 1401 | A-1860-028-A | s MOUNTED CIRCUIT BOARD, SW-1527 | 1417 | 4-654-273-02 | s ACE (M2), LOCK |
| 1402 | A-1860-034-A | s MOUNTED CIRCUIT BOARD, CN-3423 |      | 7-682-160-09 | s SCREW +P 4X6   |
| 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              |      |              |                  |
| 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                   |      |              |                  |
| 1412 | 3-854-770-02 | s WEDGE (D), MOUNTING            |      |              |                  |
| 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 | 4-298-963-01 | 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             |

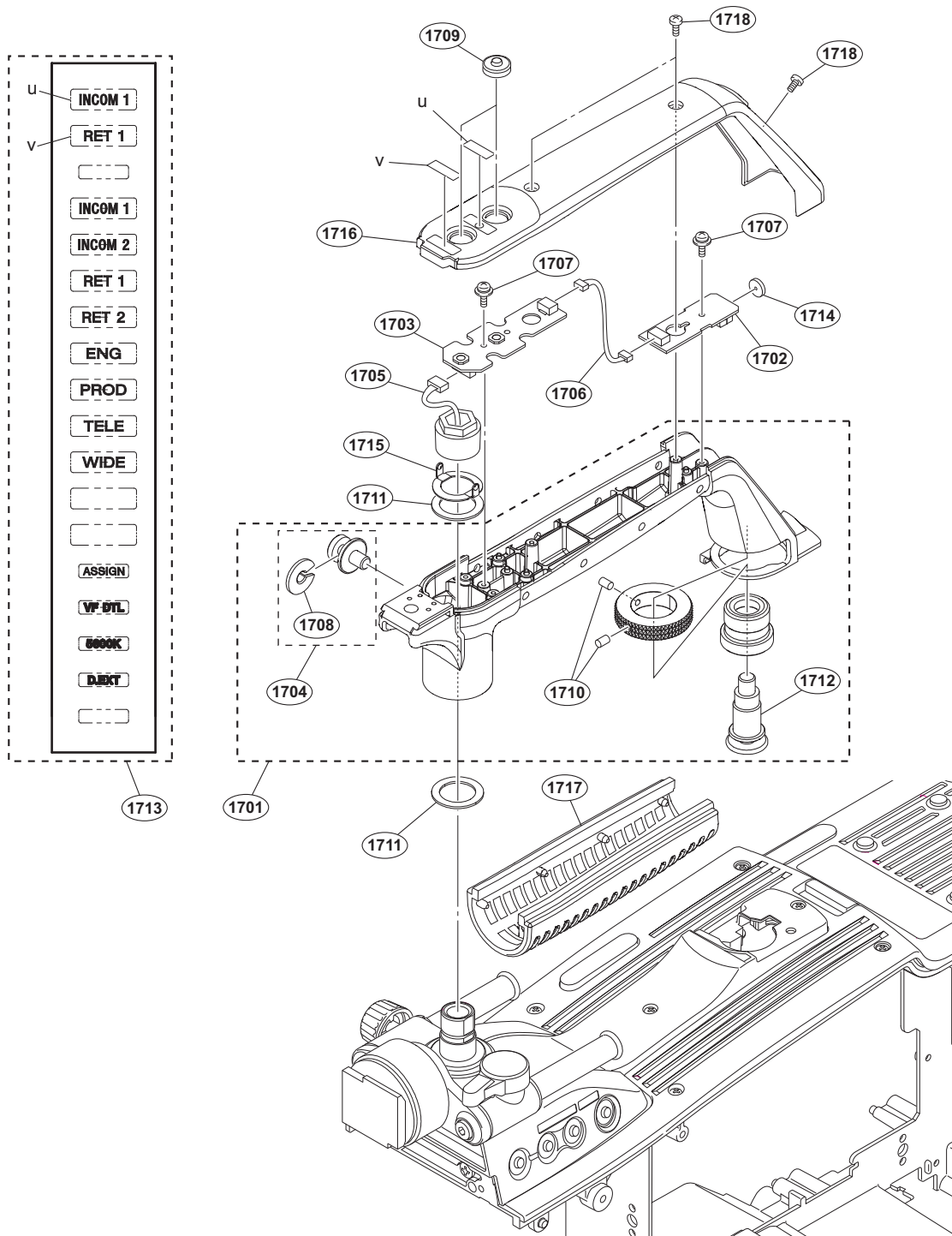
## Hotshoe Block



| No.  | Part No.       | SP Description               | No.  | Part No.       | SP Description |
|------|----------------|------------------------------|------|----------------|----------------|
| 1601 | A-1842-424-A s | HOTSHOE ASSY (AL)            | 1611 | 4-654-273-02 s | ACE (M2), LOCK |
| 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 (+)      |      |                |                |

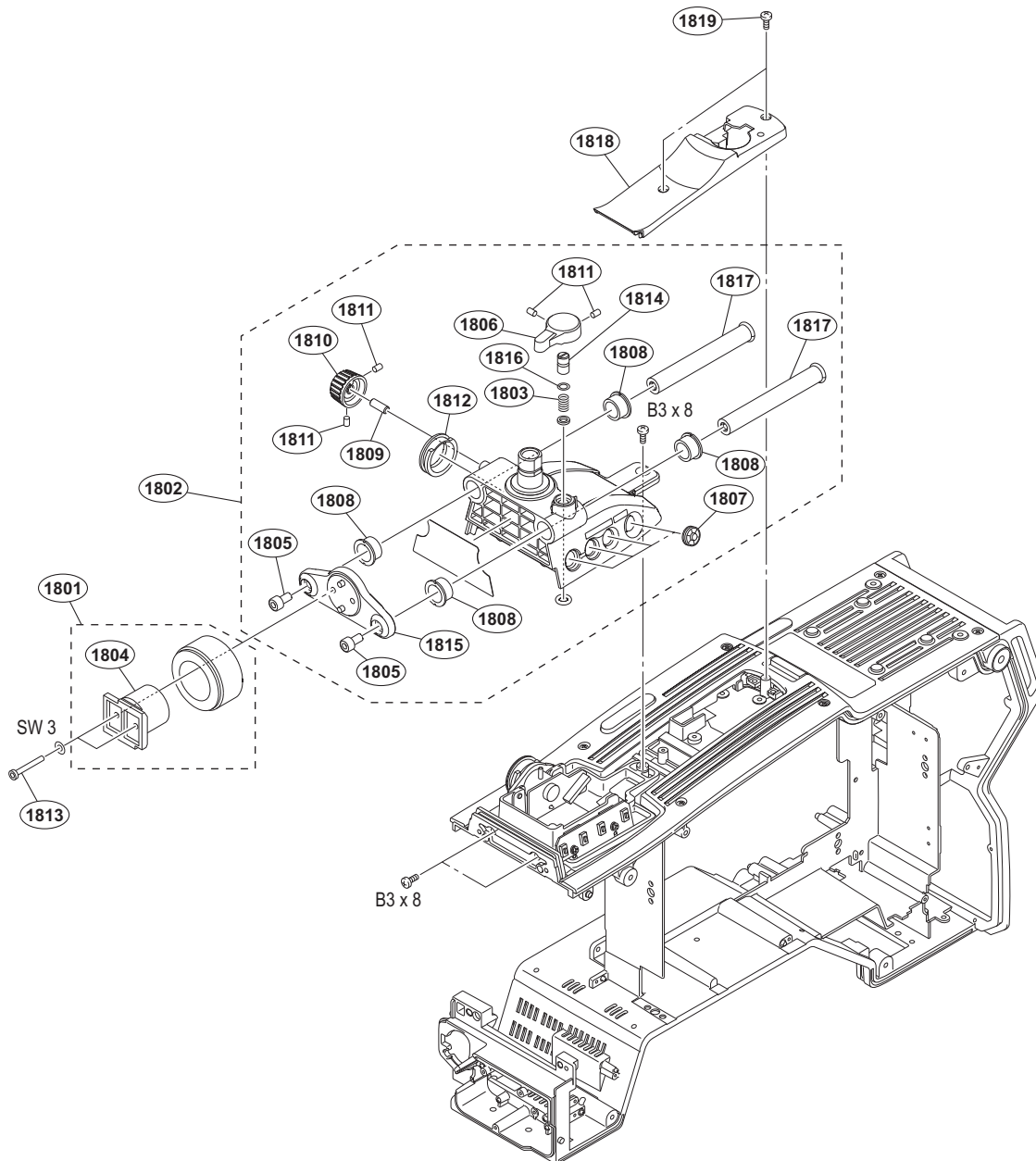


## Handle-1



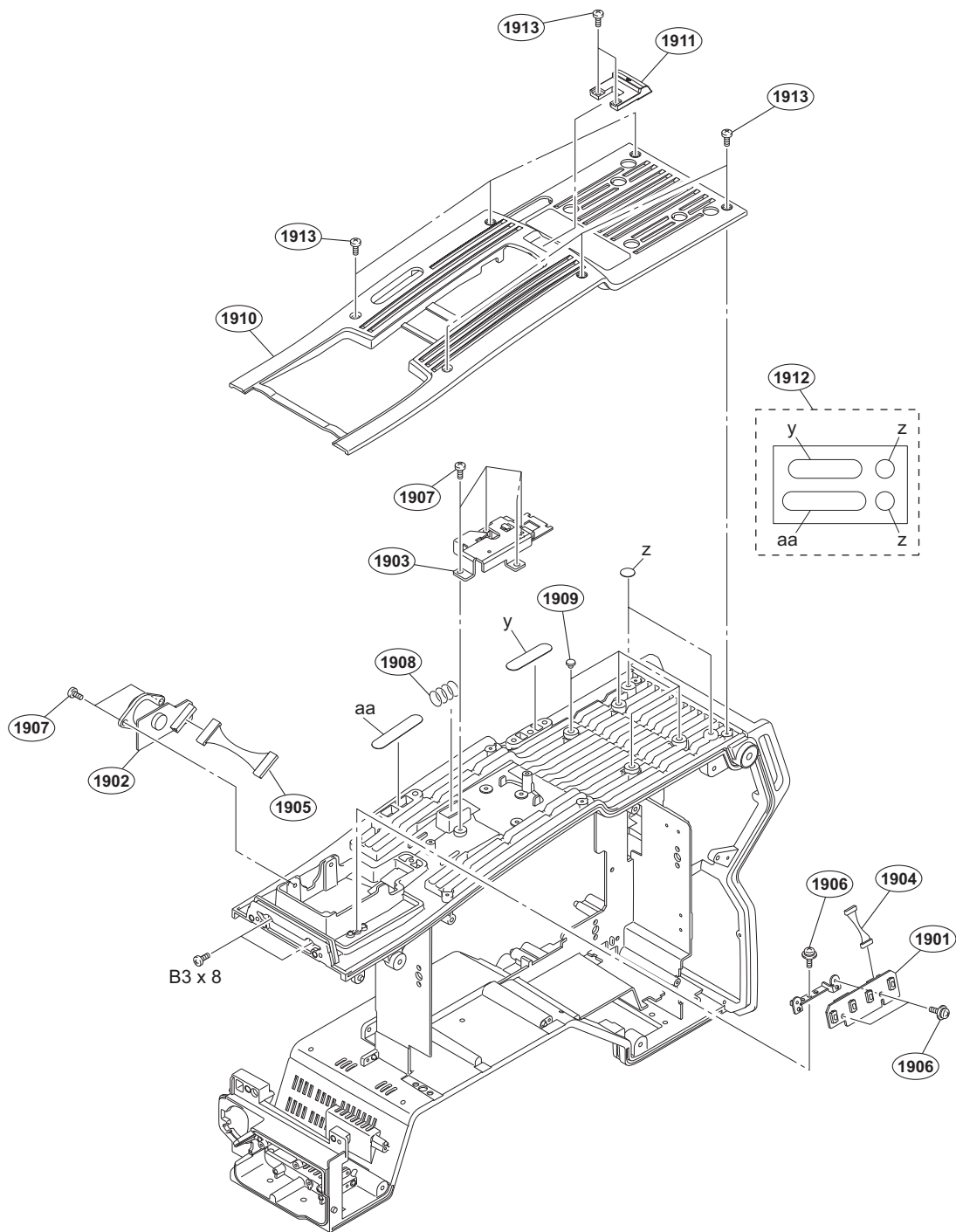
| No.  | Part No.     | SP Description                    | No.  | Part No.     | SP Description          |
|------|--------------|-----------------------------------|------|--------------|-------------------------|
| 1701 | A-1675-895-B | s HANDLE SUB ASSY                 | 1713 | 3-872-580-03 | s LABEL (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   | 1913 | 4-654-273-02 | s ACE (M2), LOCK |
| 1902 | A-1860-033-A | s MOUNTED CIRCUITE BOARD, CN-3422   |      |              |                  |
| 1903 | X-3704-669-2 | s PLATE ASSY, HANDLE AXIS HOLD      |      |              |                  |
| 1904 | 1-968-141-11 | s HARNESS, SUB (FILTER SW)          |      | 7-682-548-09 | s SCREW +B 3X8   |
| 1905 | 1-968-149-11 | s HARNESS, SUB (VF)                 |      |              |                  |
| 1906 | 2-640-315-02 | o SCREW (M2X5), SMALL, +P, SW       |      |              |                  |
| 1907 | 3-637-901-11 | s SCREW M2.6X5                      |      |              |                  |
| 1908 | 3-872-543-01 | s SPRING, COMPRESSION (HANDLE-LOCK) |      |              |                  |
| 1909 | 4-138-679-01 | s SCREW, BLIND                      |      |              |                  |
| 1910 | 4-293-486-01 | s COVER, TOP                        |      |              |                  |
| 1911 | 4-299-188-01 | s BUTTON, HANDLE RELEASE            |      |              |                  |
| 1912 | 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)   |

**AT-189 BOARD**

| 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)   |

**AT-189 BOARD**

| 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) |

**CN-3434 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-045-A s | MOUNTED CIRCUIT BOARD, CN-3434 |
| C001                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C002                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C003                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C004                | 1-112-692-81 s | CAP,CHIP CERAMIC1000PF CH 1005 |
| CN002               | 1-822-664-11 s | JACK, MODULAR (GIGA LED SMALL) |
| FB001               | 1-414-864-21 s | FERRITE, EMI (SMD) (1608)      |
| R001                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |
| R002                | 1-208-887-81 s | RES, CHIP 1.0K (1005)          |

**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) |

**DPR-338 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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  |
| 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)     |

**DPR-338 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 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    |
| 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  |

**DPR-338 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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 |
| 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  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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 |
| C278                | 1-114-983-91 s | CAP, CHIP CERAMIC 2.2MF B 1608 |
| C279                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C280                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C281                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C282                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C283                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C284                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C285                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C286                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C287                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C288                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C289                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C290                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C291                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C292                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C293                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C294                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C295                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C296                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C299                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C300                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C301                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C302                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C303                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C304                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C305                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C306                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C307                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF 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                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C314                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C315                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 1005 |
| C316                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C317                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C318                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C319                | 1-164-840-81 s | CAP, CHIP CERAMIC 1PF CK 1005  |
| C320                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C321                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C322                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C323                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C324                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C325                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C326                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C327                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C328                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C329                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C330                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C331                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C332                | 1-114-983-91 s | CAP, CHIP CERAMIC 2.2MF B 1608 |
| C333                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C334                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C335                | 1-100-159-91 s | CAP, CERAMIC 22MF B (SMD) 3216 |
| C336                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C337                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C338                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C339                | 1-125-777-81 s | CAP, CHIP CERAMIC 0.1MF B 1005 |
| C340                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C341                | 1-112-298-91 s | CAP, CERAMIC 1MF B (1608)      |
| C342                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C343                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C344                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C345                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C346                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C347                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C348                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C349                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C350                | 1-112-717-91 s | CAP, CERAMIC 1UF B (1005)      |
| C351                | 1-164-854-81 s | CAP, CHIP CERAMIC 15PF CH 1005 |
| C352                | 1-164-854-81 s | CAP, CHIP CERAMIC 15PF CH 1005 |
| C353                | 1-164-854-81 s | CAP, CHIP CERAMIC 15PF CH 1005 |
| C354                | 1-164-854-81 s | CAP, CHIP CERAMIC 15PF CH 1005 |
| C355                | 1-164-854-81 s | CAP, CHIP CERAMIC 15PF CH 1005 |
| C356                | 1-164-854-81 s | CAP, CHIP CERAMIC 15PF CH 1005 |
| C361                | 1-164-847-81 s | CAP, CHIP CERAMIC 7PF CH 1005  |
| C362                | 1-164-847-81 s | CAP, CHIP CERAMIC 7PF CH 1005  |
| C363                | 1-164-847-81 s | CAP, CHIP CERAMIC 7PF CH 1005  |
| C364                | 1-164-847-81 s | CAP, CHIP CERAMIC 7PF CH 1005  |
| C365                | 1-164-847-81 s | CAP, CHIP CERAMIC 7PF CH 1005  |
| C366                | 1-164-847-81 s | CAP, CHIP CERAMIC 7PF CH 1005  |
| C401                | 1-100-881-91 s | CAP, CERAMIC 47MF C (3216)     |
| C402                | 1-112-863-91 s | CAP, CERAMIC 0.22MF B (1005)   |
| 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                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C406                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C407                | 1-114-582-91 s | CAP, CERAMIC 0.1MF 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                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C411                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C412                | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C413                | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C414                | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C415                | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C416                | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C417                | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C418                | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C419                | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C420                | 1-164-939-81 s | CAP, CHIPCERAMIC 2200PF B 1005 |
| C421                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C422                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C423                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C424                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C425                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C426                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C427                | 1-100-567-81 s | CAP,CHIP CERAMIC 0.01MF B 1005 |
| C428                | 1-114-582-91 s | CAP, CERAMIC 0.1MF B 1005      |
| C429                | 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                 |
|---------------------|----------------|--------------------------------|
| 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        |
| 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)       |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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  |
| 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               |





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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| 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)      |
| 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)      |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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 ADV320KSTZ          |
| 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)   |
| 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  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description               |
|---------------------|----------------|------------------------------|
| 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        |
| 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      |

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|---------------------|----------------|--------------------------------|
| 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)           |
| 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)          |

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|      |              |   |                                |
|------|--------------|---|--------------------------------|
| 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)           |
| 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                   |

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|      |              |   |                        |
|------|--------------|---|------------------------|
| 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)   |
| 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)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)    |
| 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         |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)   |
| 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          |



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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R573                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R574                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R575                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R576                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R577                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R601                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R602                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R603                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R604                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R605                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R606                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R607                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R608                | 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                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R613                | 1-220-878-81 s | RES, CHIP 22 (1005)   |
| R614                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| 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)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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                   |
| 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)            |

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|      |              |   |                        |
|------|--------------|---|------------------------|
| 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)   |
| 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)   |

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|      |              |   |                        |
|------|--------------|---|------------------------|
| 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          |
| 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)    |







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|        |                |   |                                 |
|--------|----------------|---|---------------------------------|
| RB754  | 1-234-371-21   | s | RES, NETWORK 47 (1005X4)        |
| RB755  | 1-234-371-21   | s | RES, NETWORK 47 (1005X4)        |
| RB756  | 1-234-371-21   | s | RES, NETWORK 47 (1005X4)        |
| RB757  | 1-234-371-21   | s | RES, NETWORK 47 (1005X4)        |
|        |                |   |                                 |
| RB758  | 1-234-371-21   | s | RES, NETWORK 47 (1005X4)        |
| RB759  | 1-234-371-21   | s | RES, NETWORK 47 (1005X4)        |
| RB760  | 1-234-371-21   | s | RES, NETWORK 47 (1005X4)        |
| RB761  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
| RB762  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
|        |                |   |                                 |
| RB763  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
| RB764  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
| RB765  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
| RB766  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
| RB767  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
|        |                |   |                                 |
| RB768  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
| RB769  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
| RB770  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
| RB771  | 1-234-372-21   | s | RES, NETWORK 100 (1005X4)       |
| 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-657 BOARD****Ref. No.****or Q'ty    Part No.    SP Description**

|     |              |   |                                |
|-----|--------------|---|--------------------------------|
| 1pc | A-1860-213-A | s | MOUNTED CIRCUIT BOARD, DR-657  |
|     |              |   |                                |
| 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      |
| 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      |

**DR-657 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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      |
| 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                |

**DR-657 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description              |
|---------------------|----------------|-----------------------------|
| 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)             |
| 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        |

**DR-657 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description              |
|---------------------|----------------|-----------------------------|
| 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)        |
| 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)        |

**DR-657 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description             |
|---------------------|----------------|----------------------------|
| 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)        |
| 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)       |
| R125                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)     |
| R127                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)     |
| R129                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)     |
| R131                | 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)       |
| 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)      |

**DR-663 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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)     |
| 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)           |

**DR-663 BOARD**

| Ref. No.<br>or Q'ty | Part No.         | SP Description             |
|---------------------|------------------|----------------------------|
| 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)      |
| 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 |
| 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  |
| 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                  | 6-501-213-01 s | DIODE CL-221TLY-C-TS            |
| 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                 |

**MB-1179 BOARD**

| Ref. No.<br>or Q'ty | Part No.         | SP Description        |
|---------------------|------------------|-----------------------|
| 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       |
| 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-388 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1860-214-A s | MOUNTED CIRCUIT BOARD, PA-388   |
| 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  |

**PA-388 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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 |
| 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                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 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            |



**PA-388 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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                |
| 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                 | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R12                 | 1-208-895-81 s | RES, CHIP 2.2K (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)            |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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) |
| R66                 | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R67                 | 1-208-927-81 s | RES, CHIP 47K (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                | 1-208-903-81 s | RES, CHIP 4.7K (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                | 1-208-903-81 s | RES, CHIP 4.7K (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-389 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1860-215-A s | MOUNTED CIRCUIT BOARD, PA-389   |
| 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  |
| 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   |

## PA-389 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 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             |

**PA-389 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                |
|---------------------|----------------|-------------------------------|
| 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                 | 1-208-907-81 s | RES, CHIP 6.8K (1005)         |
| R12                 | 1-208-895-81 s | RES, CHIP 2.2K (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)        |
| R66                 | 1-208-927-81 s | RES, CHIP 47K (1005)          |
| R67                 | 1-208-927-81 s | RES, CHIP 47K (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)          |

**PA-389 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| 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                | 1-208-903-81 s | RES, CHIP 4.7K (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                | 1-208-903-81 s | RES, CHIP 4.7K (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-390 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 1pc                 | A-1860-216-A s | MOUNTED CIRCUIT BOARD, PA-390   |
| 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  |

**PA-390 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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 |
| 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                | 1-164-858-81 s | CAP, CHIP CERAMIC 22PF CH 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)       |

**PA-390 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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                  |
| 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(TB85L)      |
| 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                 | 1-208-907-81 s | RES, CHIP 6.8K (1005)          |
| R12                 | 1-208-895-81 s | RES, CHIP 2.2K (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)          |

**PA-390 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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) |
| R66                 | 1-208-927-81 s | RES, CHIP 47K (1005)   |
| R67                 | 1-208-927-81 s | RES, CHIP 47K (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                | 1-208-903-81 s | RES, CHIP 4.7K (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                | 1-208-903-81 s | RES, CHIP 4.7K (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  |

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| 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               |

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|---------------------|------------------|-----------------------------|
| 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                 |
|---------------------|----------------|--------------------------------|
| 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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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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)         |

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| 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              | △ 1-803-615-21 s | THERMISTOR, POSITIVE   |
| THP602              | △ 1-803-353-21 s | THERMISTOR, POSITIVE   |
| THP603              | △ 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                 | △ 1-840-881-11 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      |

**SDI-109 BOARD**

| 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      |



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| 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                | 1-208-931-81 s | RES, CHIP 68K (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                | 1-208-871-81 s | RES, CHIP 220 (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                | 1-208-907-81 s | RES, CHIP 6.8K (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)    |

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| 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                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| R570                | 1-208-907-81 s | RES, CHIP 6.8K (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)   |

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| 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)   |

**SDI-109 BOARD**

| 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, 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             |
| 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, 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              |

**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      |

**SY-408 BOARD**

| 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)      |





**SY-408 BOARD**

| 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   |

**SY-408 BOARD**

| 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               | 1-117-144-21 s | CAP, ELECT 0.47MF              |
| C2009               | 1-117-144-21 s | CAP, ELECT 0.47MF              |
| 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               | 1-117-144-21 s | CAP, ELECT 0.47MF              |
| 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               | 1-117-144-21 s | CAP, ELECT 0.47MF              |
| 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        |
| 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           |
| 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           |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| 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) |
| 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           |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| 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           |
| 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           |

**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| 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-F        |
| 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              |



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| Ref. No.<br>or Q'ty | Part No.       | SP Description          |
|---------------------|----------------|-------------------------|
| 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-F      |
| 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-F      |
| IC308               | 6-704-566-01 s | IC R3112N291A-TR-FA     |
| 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-F      |
| 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)    |
| 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)   |

## SY-408 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description          |
|---------------------|----------------|-------------------------|
| 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-FA     |
| IC1412              | 6-709-322-01 s | IC TC7WH123FK           |
| IC1413              | 6-706-484-01 s | IC TC7SH04FU            |
| 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-FA     |
| IC1419              | 6-706-484-01 s | IC TC7SH04FU            |

## SY-408 BOARD

| Ref. No.<br>or Q'ty | Part No.       | SP Description               |
|---------------------|----------------|------------------------------|
| 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                 |
| JC101               | 1-216-864-91 s | CONDUCTOR, CHIP (1608)       |
| JC102               | 1-216-864-91 s | CONDUCTOR, CHIP (1608)       |
| 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        |
| L1301               | 1-412-987-41 s | INDUCTOR, SMALL TYPE 4.7UH   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description             |
|---------------------|----------------|----------------------------|
| L1302               | 1-412-987-41 s | INDUCTOR, SMALL TYPE 4.7UH |
| PH701               | 8-749-014-35 s | IC HCPL-0630-500           |
| 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    |
| Q1303               | 8-729-928-05 s | TRANSISTOR 2SC4617TL-QR    |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description              |
|---------------------|----------------|-----------------------------|
| 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      |
| Q2004               | 8-729-928-25 s | TRANSISTOR 2SA1774TL-QR     |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| 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               | 6-550-980-01 s | TR RN1904                 |
| Q2010               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL    |
| 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 |
| Q2015               | 6-550-980-01 s | TR RN1904                 |
| Q2016               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL    |
| 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               | 6-550-980-01 s | TR RN1904                 |
| Q2035               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL    |
| 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 |
| Q2040               | 6-550-980-01 s | TR RN1904                 |
| Q2041               | 8-729-928-37 s | TRANSISTOR DTA114EE-TL    |
| 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   |
| 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)      |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)   |
| 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)   |
| R132                | 1-218-990-81 s | CONDUCTOR, CHIP (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                | 1-208-899-81 s | RES, CHIP 3.3K (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)    |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)   |
| 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)   |
| R417                | 1-218-990-81 s | CONDUCTOR, CHIP (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)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| 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)  |
| R505                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R506                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R507                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R508                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R509                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R510                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R511                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R512                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R513                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R514                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R515                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R516                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R517                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R518                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R519                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R520                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R521                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R522                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R523                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R524                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R525                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R526                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R527                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R528                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R529                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R530                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R531                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R532                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R533                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R534                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R535                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R536                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R537                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R538                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R539                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R540                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R541                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R542                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R543                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R544                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R545                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R547                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R548                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R549                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R552                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R553                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R554                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R555                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R556                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R557                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R558                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R559                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R560                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R561                | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R562                | 1-208-879-81 s | RES, CHIP 470 (1005)  |
| R563                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R566                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R567                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R571                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R572                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| R573                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R574                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R575                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R576                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R577                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R578                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R579                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R580                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R581                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R582                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R583                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R584                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R585                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R586                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R587                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R588                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R589                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R590                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R591                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R595                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R596                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R597                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R598                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R599                | 1-208-891-81 s | RES, CHIP 1.5K (1005) |
| R600                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R601                | 1-208-935-81 s | RES, CHIP 100K (1005) |
| R602                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R603                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R604                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R605                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R606                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R607                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R608                | 1-208-919-81 s | RES, CHIP 22K (1005)  |
| R609                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R610                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R611                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R612                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R613                | 1-208-927-81 s | RES, CHIP 47K (1005)  |
| R614                | 1-208-903-81 s | RES, CHIP 4.7K (1005) |
| R615                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R616                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R617                | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R618                | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R619                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R620                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R621                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R622                | 1-208-911-81 s | RES, CHIP 10K (1005)  |
| R623                | 1-208-887-81 s | RES, CHIP 1.0K (1005) |
| R624                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R625                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R626                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R627                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R628                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R629                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R630                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R631                | 1-208-895-81 s | RES, CHIP 2.2K (1005) |
| R632                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R633                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R634                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R635                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R636                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R637                | 1-208-871-81 s | RES, CHIP 220 (1005)  |
| R638                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R639                | 1-208-863-81 s | RES, CHIP 100 (1005)  |
| R640                | 1-208-863-81 s | RES, CHIP 100 (1005)  |



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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| 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)  |
| 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) |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| 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)   |
| 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)   |

**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)   |
| 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               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1121               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1124               | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R1126               | 1-218-990-81 s | CONDUCTOR, CHIP (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)  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| 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)  |
| 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)  |



**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)    |
| 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)  |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| 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)  |
| 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) |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| 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)   |
| 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) |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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)           |
| 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)           |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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)          |
| 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)          |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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)            |
| 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)           |
| R1838               | 1-218-990-81 s | CONDUCTOR, CHIP (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)          |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)  |
| 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)   |
| R1975               | 1-218-990-81 s | CONDUCTOR, CHIP (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)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                  |
|---------------------|----------------|---------------------------------|
| 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                    |
| 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)           |
| 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)            |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)   |
| 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               | 1-208-899-81 s | RES, CHIP 3.3K (1005)  |
| R2132               | 1-218-989-81 s | RES, CHIP 1M           |
| R2133               | 1-208-899-81 s | RES, CHIP 3.3K (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)   |
| R2163               | 1-218-990-81 s | CONDUCTOR, CHIP (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)    |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description        |
|---------------------|----------------|-----------------------|
| 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) |
| 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               | 1-208-899-81 s | RES, CHIP 3.3K (1005) |
| R2212               | 1-218-989-81 s | RES, CHIP 1M          |
| R2213               | 1-208-899-81 s | RES, CHIP 3.3K (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) |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| 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)      |
| R2243               | 1-218-990-81 s | CONDUCTOR, CHIP (1005)    |
| R2244               | 1-208-887-81 s | RES, CHIP 1.0K (1005)     |
| R2245               | 1-208-911-81 s | RES, CHIP 10K (1005)      |
| 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)       |
| 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)  |

**SY-408 BOARD**

| Ref. No.<br>or Q'ty | Part No.         | SP Description                |
|---------------------|------------------|-------------------------------|
| 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)      |
| 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-276 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                |
|---------------------|----------------|-------------------------------|
| 1pc                 | A-1867-059-A s | MOUNTED CIRCUIT BOARD, TG-276 |
| 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     |

**TG-276 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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 |
| 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)       |

**TG-276 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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 |
| 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)           |

**TG-276 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)  |
| 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)    |

**TG-276 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| 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)       |
| 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-243 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 1pc                 | A-1860-212-A s | MOUNTED CIRCUIT BOARD, VA-243  |
| 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  |
| C9                  | 1-164-842-81 s | CAP,CHIP CERAMIC 2.0PF CK 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  |



**VA-243 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| 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 |
| 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)       |

**VA-243 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| C113                | 1-165-989-91 s | CAP, CERAMIC 10MF (2012)       |
| C114                | 1-116-099-11 s | CAP, ELECT 100MF 105           |
| 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                |

**VA-243 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description            |
|---------------------|----------------|---------------------------|
| 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)          |
| 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 TC7SZ08FU (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 TC7SZ08FU (TE85R)      |
| IC49                | 8-759-592-47 s | IC TC7SZ08FU (TE85R)      |
| IC50                | 8-759-592-47 s | IC TC7SZ08FU (TE85R)      |
| IC51                | 8-759-592-47 s | IC TC7SZ08FU (TE85R)      |
| IC52                | 8-759-592-47 s | IC TC7SZ08FU (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 | CHOKO 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)      |

**VA-243 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| 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)  |
| 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) |
| R11                 | 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) |
| R77                 | 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)  |

**VA-243 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R131                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R132                | 1-208-871-81 s | RES, CHIP 220 (1005)   |
| 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                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R226                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R227                | 1-220-878-81 s | RES, CHIP 22 (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)   |

**VA-243 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R314                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R317                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| 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                | 1-218-990-81 s | CONDUCTOR, CHIP (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)    |
| R350                | 1-218-990-81 s | CONDUCTOR, CHIP (1005) |
| R352                | 1-208-863-81 s | RES, CHIP 100 (1005)   |
| R353                | 1-220-882-81 s | RES, CHIP 33 (1005)    |
| R356                | 1-218-990-81 s | CONDUCTOR, CHIP (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)    |

**VA-243 BOARD**

| Ref. No.<br>or Q'ty | Part No.       | SP Description         |
|---------------------|----------------|------------------------|
| R432                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| R433                | 1-220-878-81 s | RES, CHIP 22 (1005)    |
| 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)   |

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| Ref. No.<br>or Q'ty | Part No.       | SP Description                 |
|---------------------|----------------|--------------------------------|
| R597                | 1-218-990-81 s | CONDUCTOR, CHIP (1005)         |
| R598                | 1-208-863-81 s | RES, CHIP 100 (1005)           |
| 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

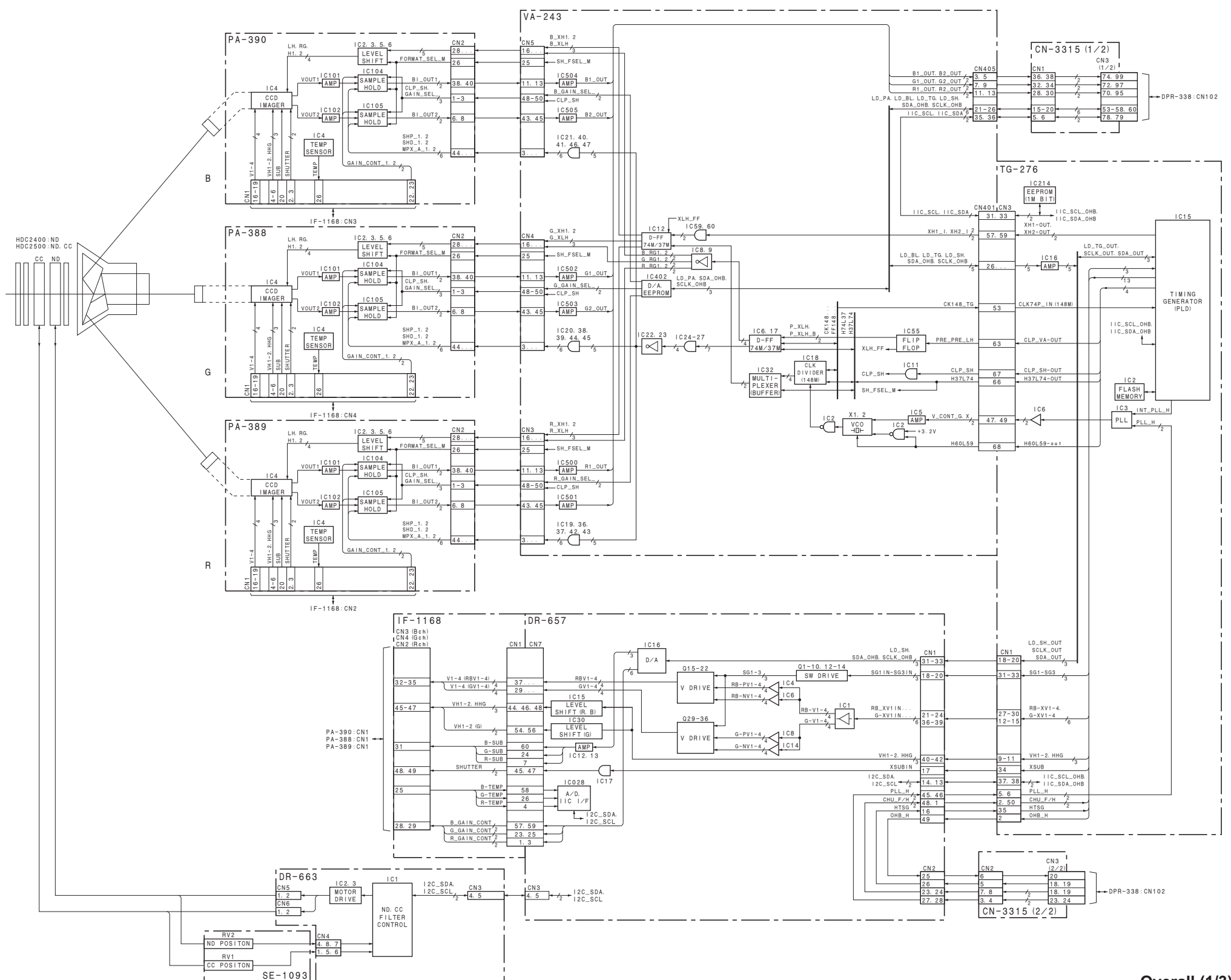
| Q'ty | Part No.       | SP Description                         |
|------|----------------|----------------------------------------|
| 1pc  | 4-138-677-01   | s BRACKET, BELT                        |
| 1pc  | 4-138-758-01   | s CLAMP BELT, CABLE                    |
| 1pc  | △ 4-413-598-01 | s OPERATION MANUAL (JAPANESE) (SY, JN) |
| 1pc  | △ 4-413-599-01 | s OPERATION MANUAL (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 |

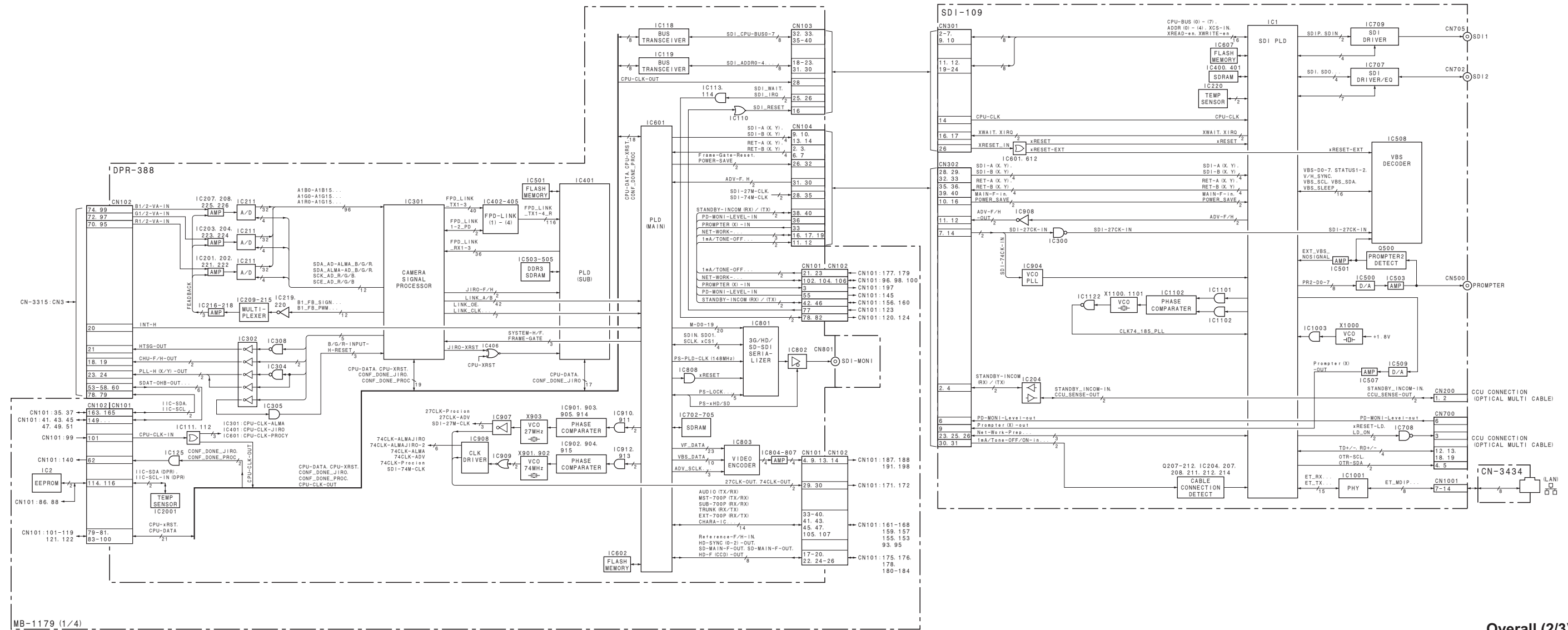
Section 7  
Block Diagrams

Overall  
Overall (1/3)



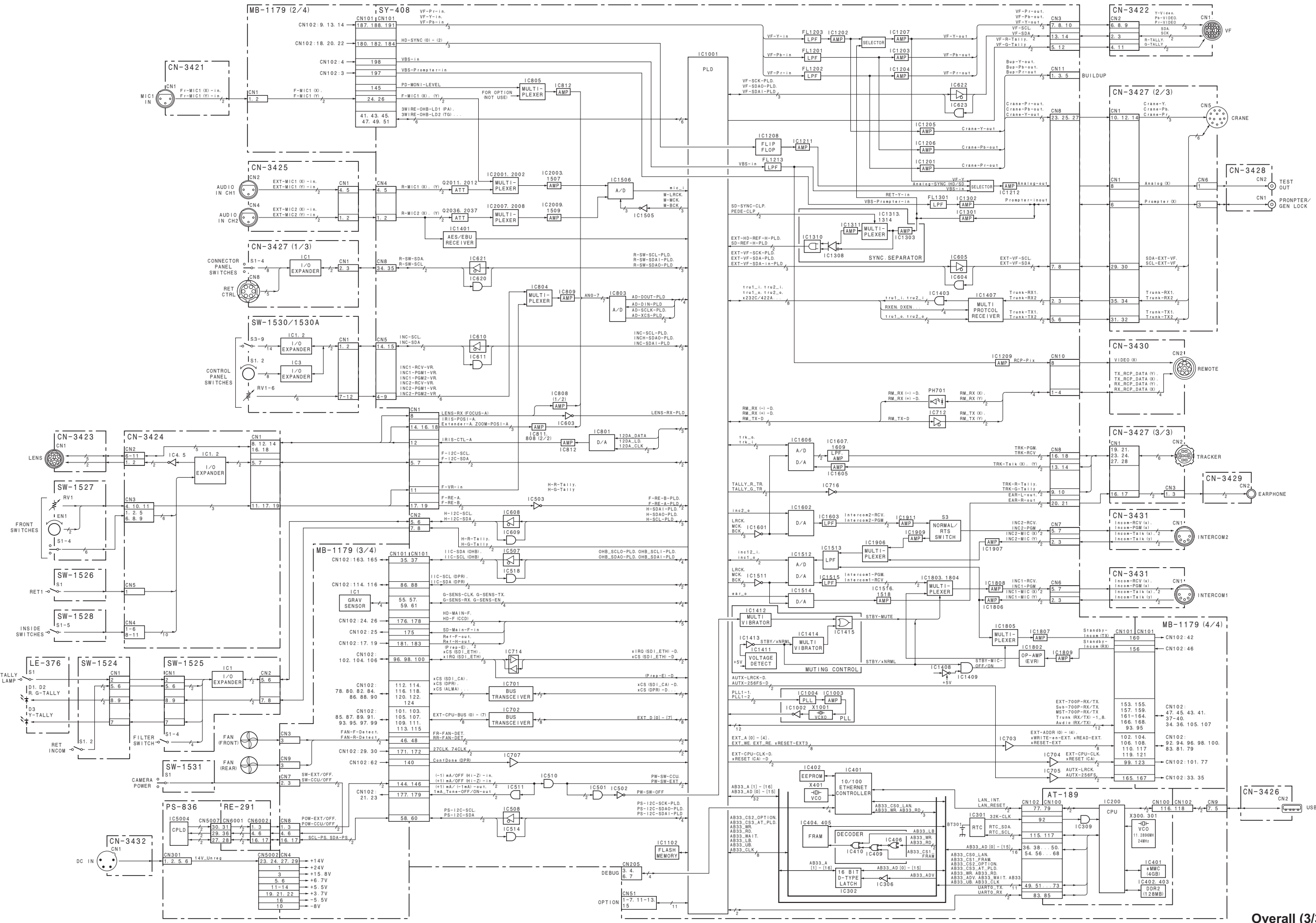
Overall (1/3)

**Overall (2/3)**



**Overall (2/3)**



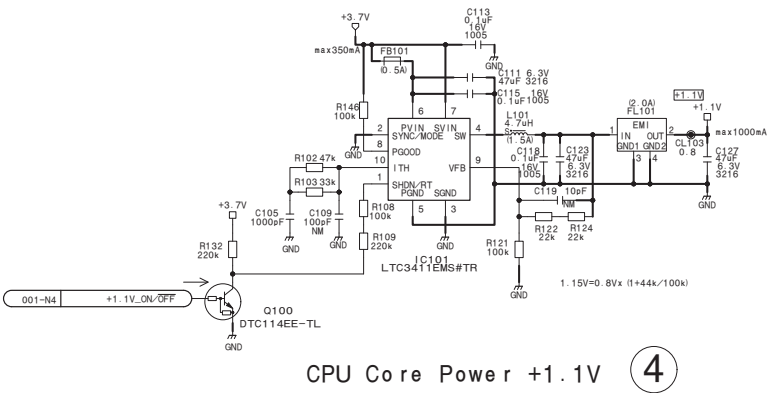
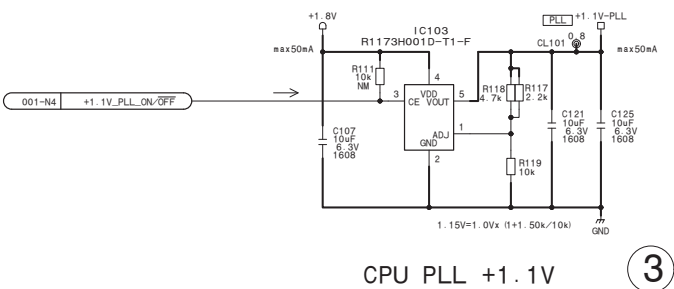
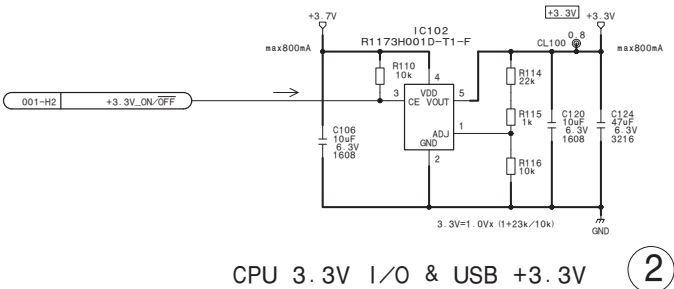
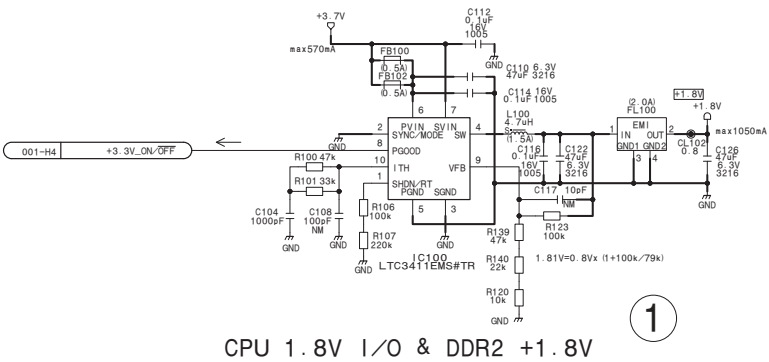
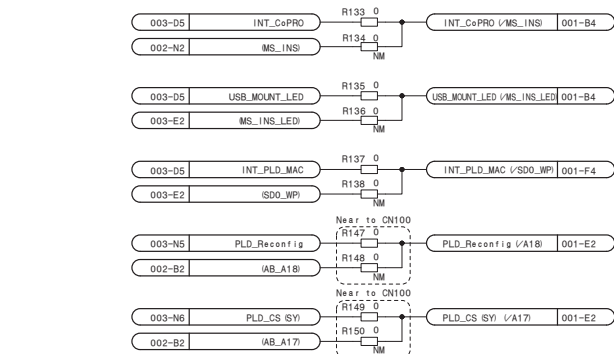
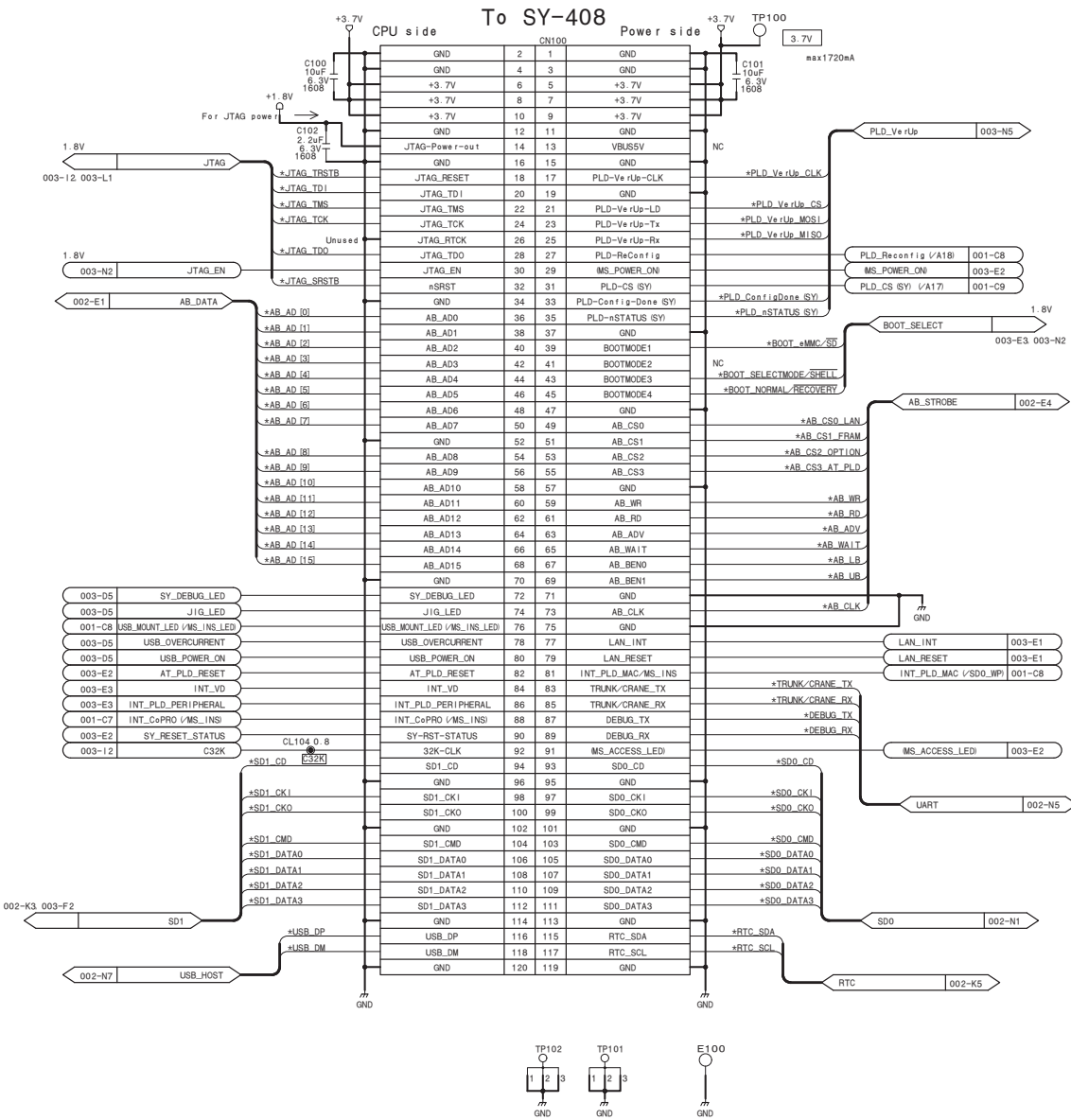




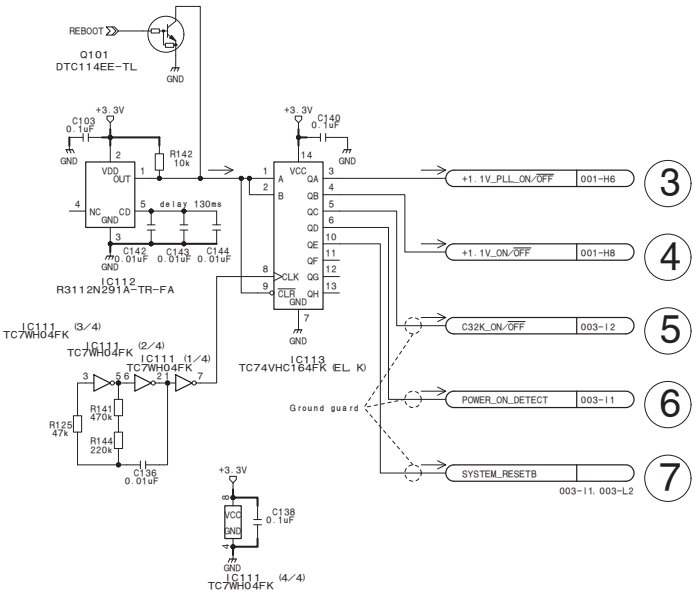
# Section 8

## Schematic Diagrams

AT-189  
AT-189 (1/4)

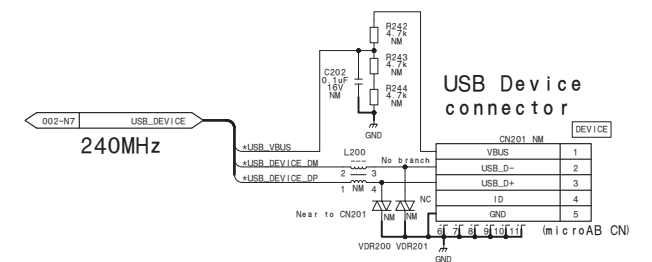
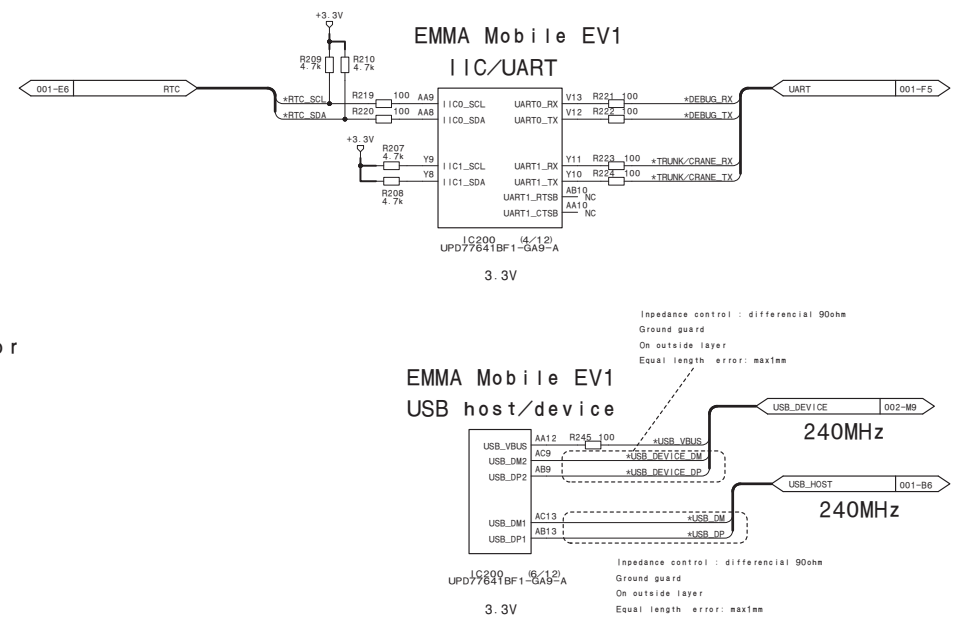
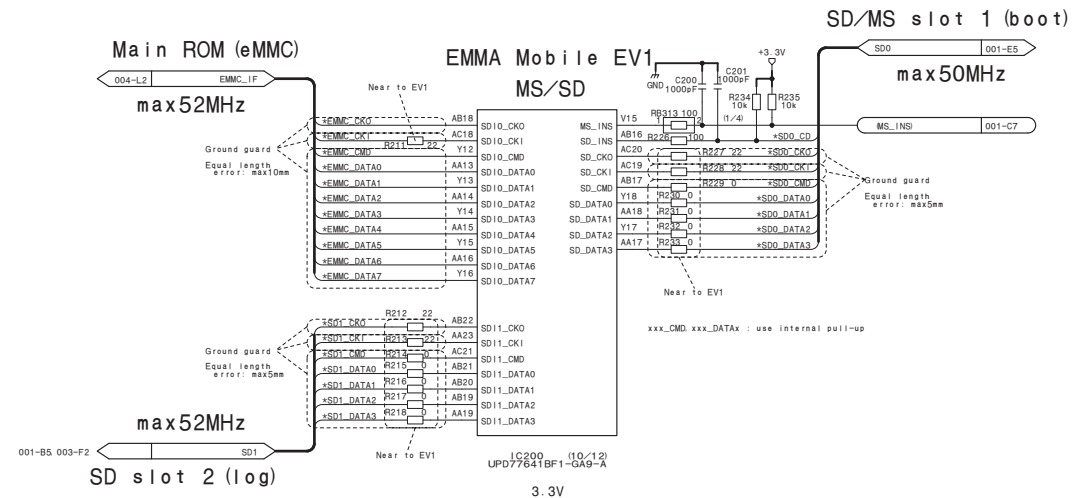
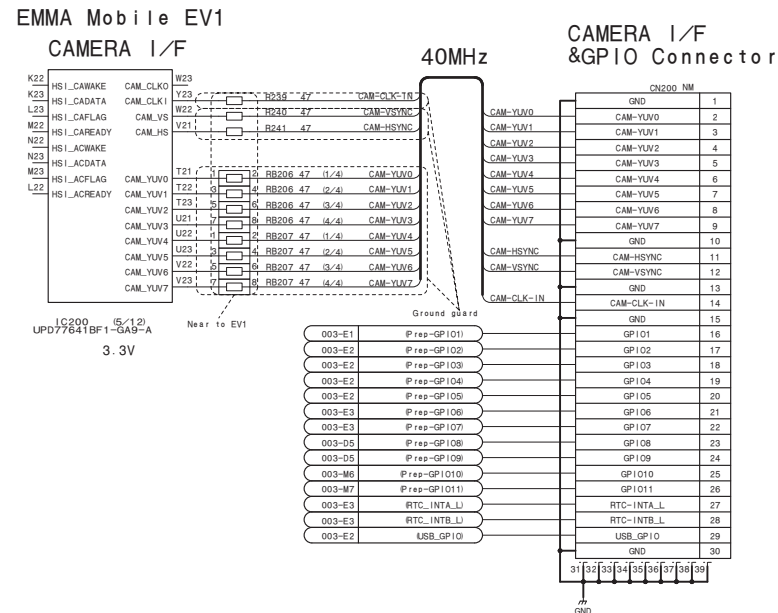
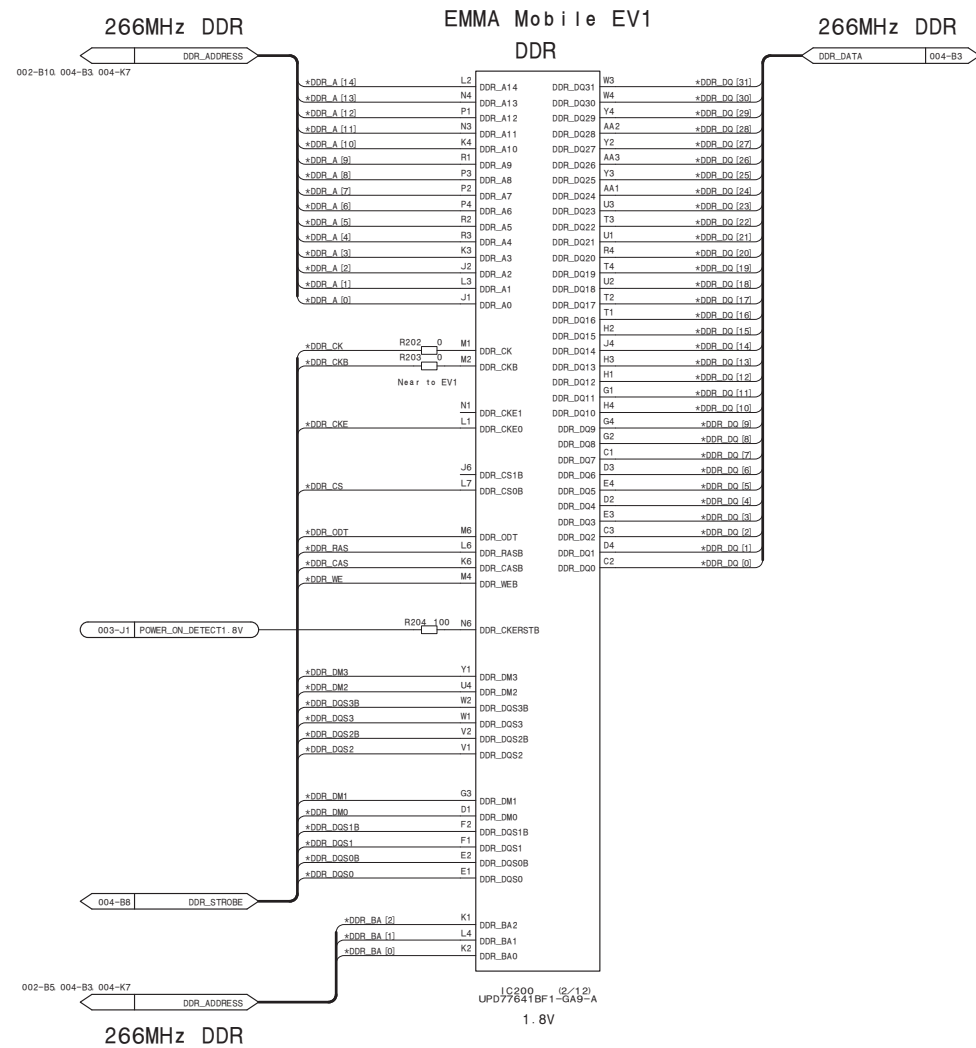
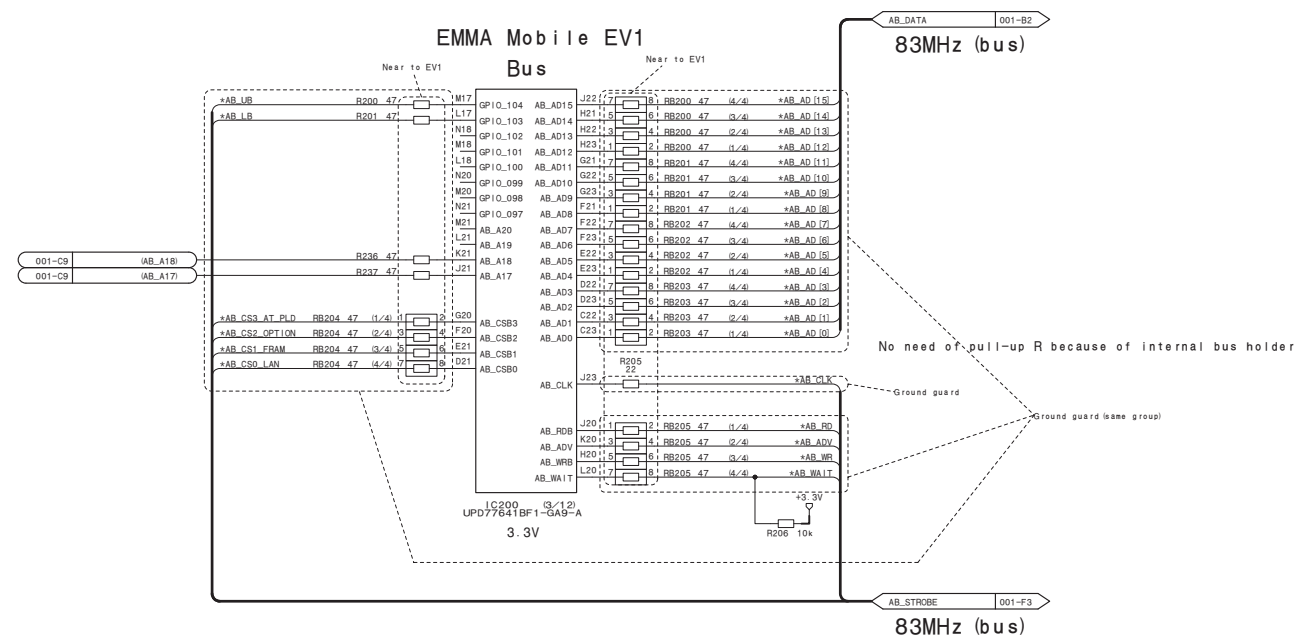


①-⑦ : Reset sequence order



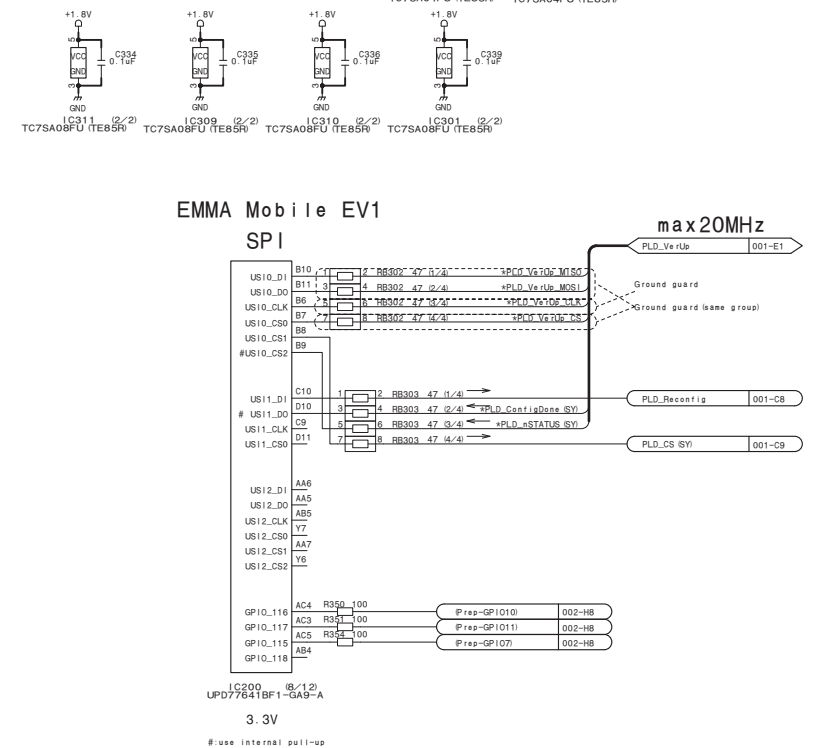
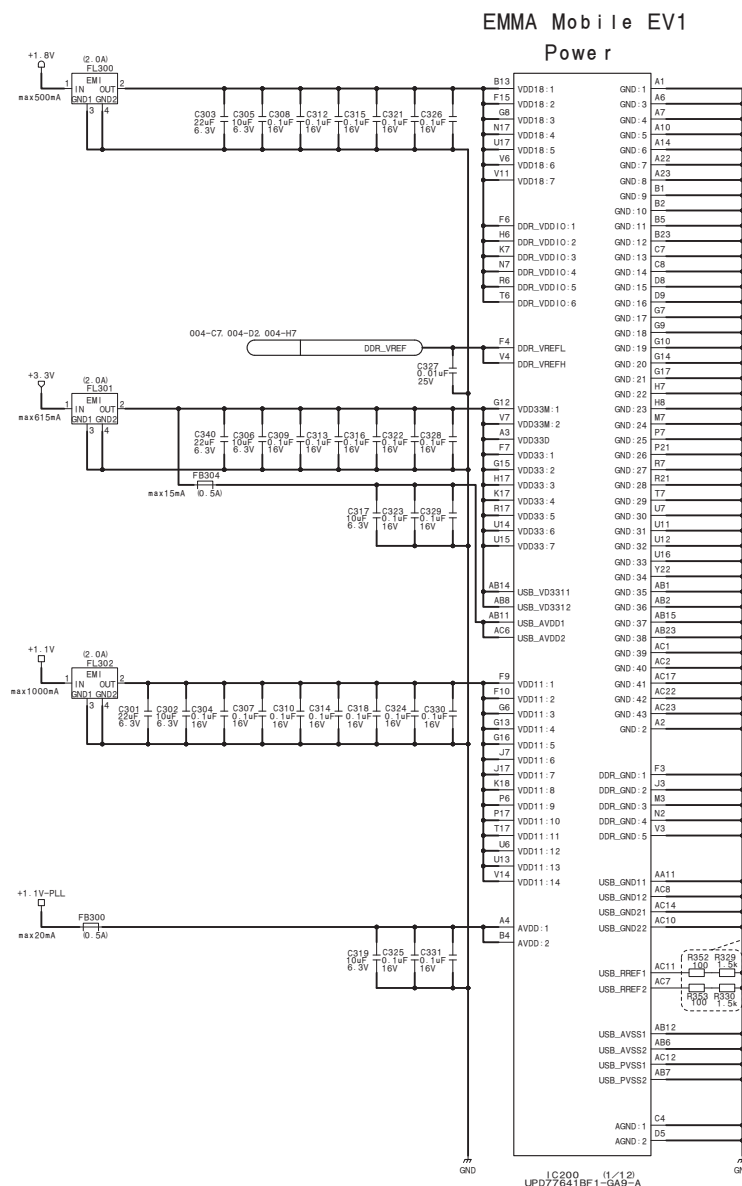
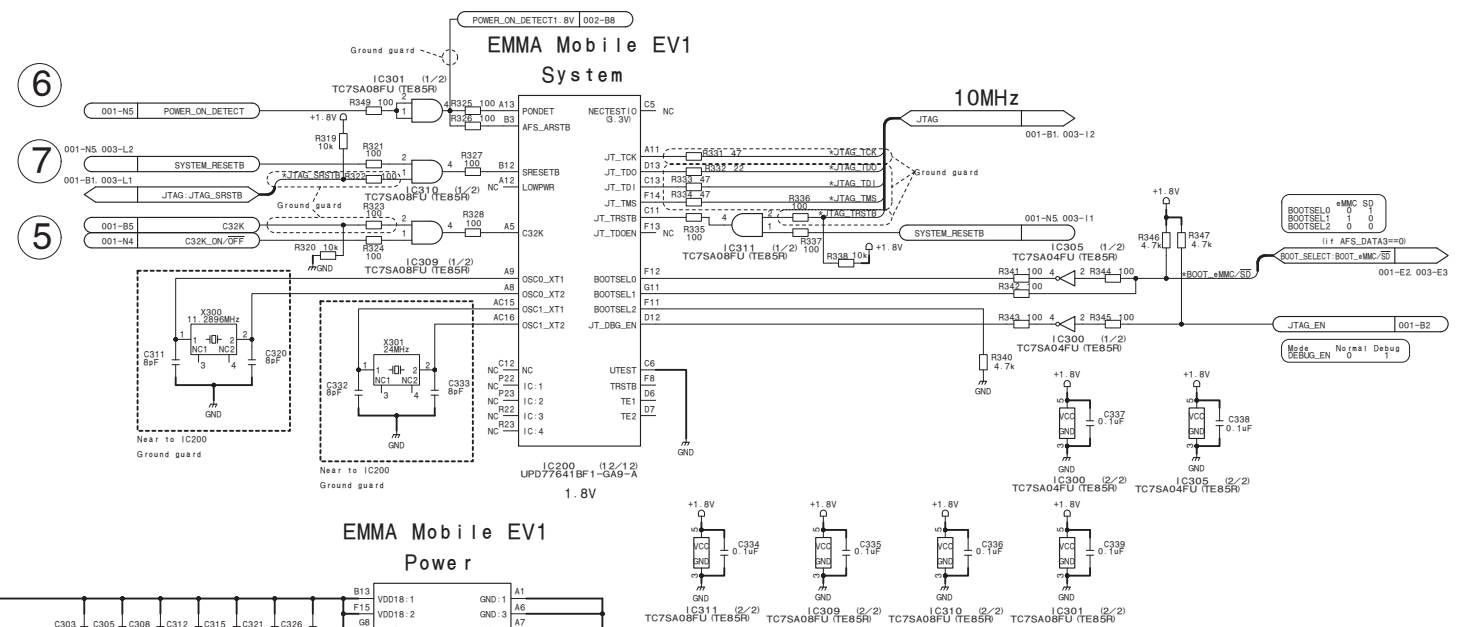
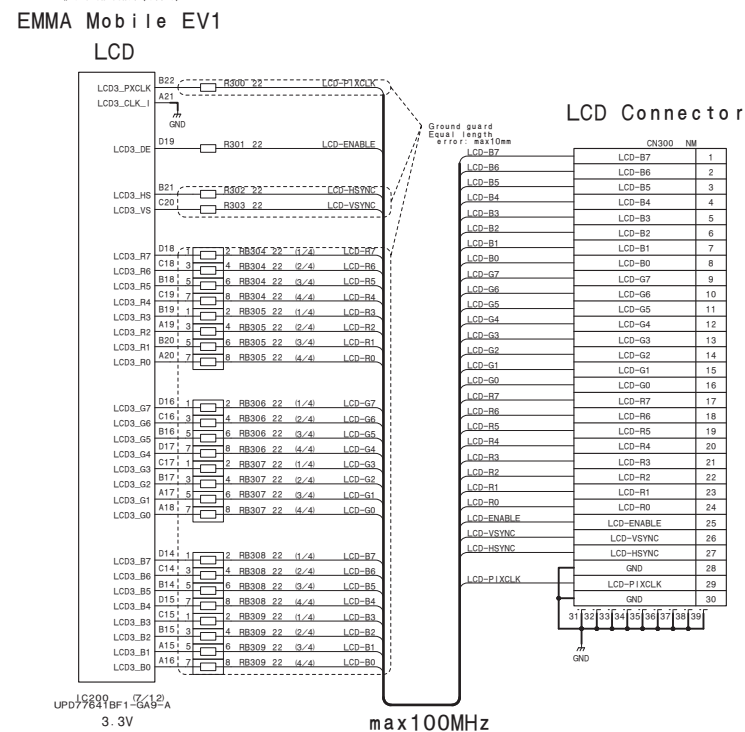
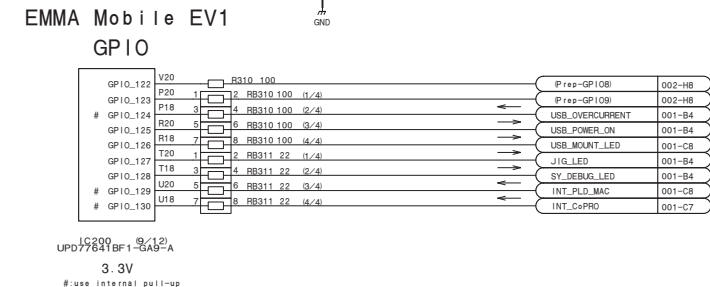
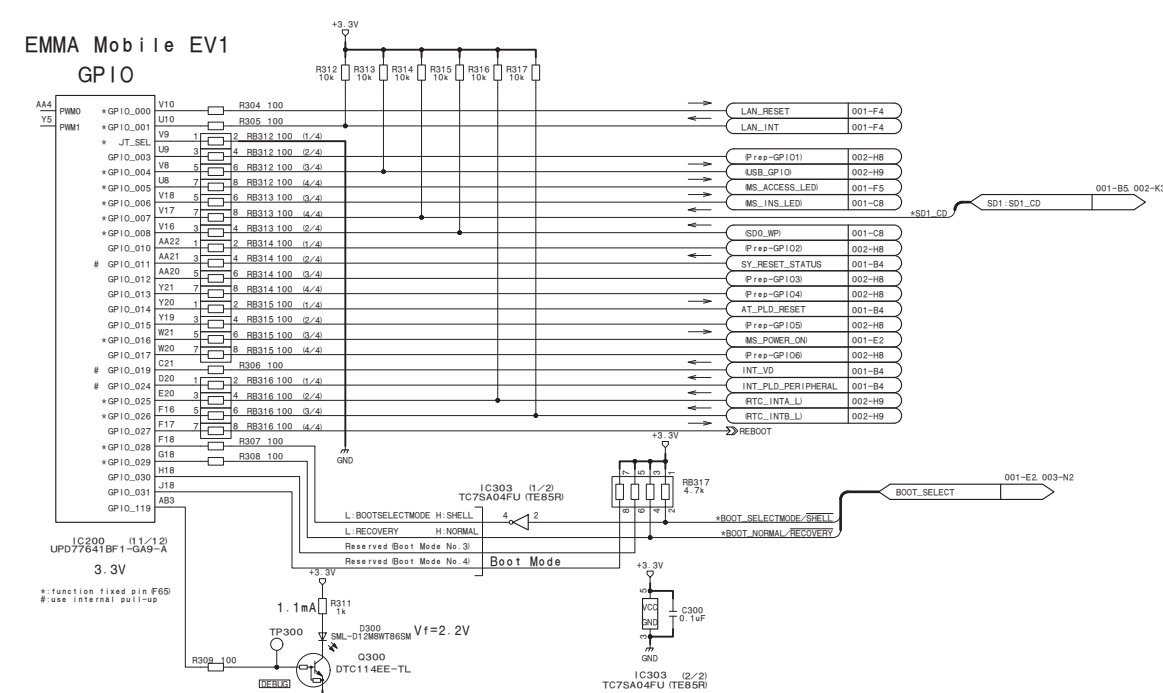
Reset sequence generator  
(interval 10ms)

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

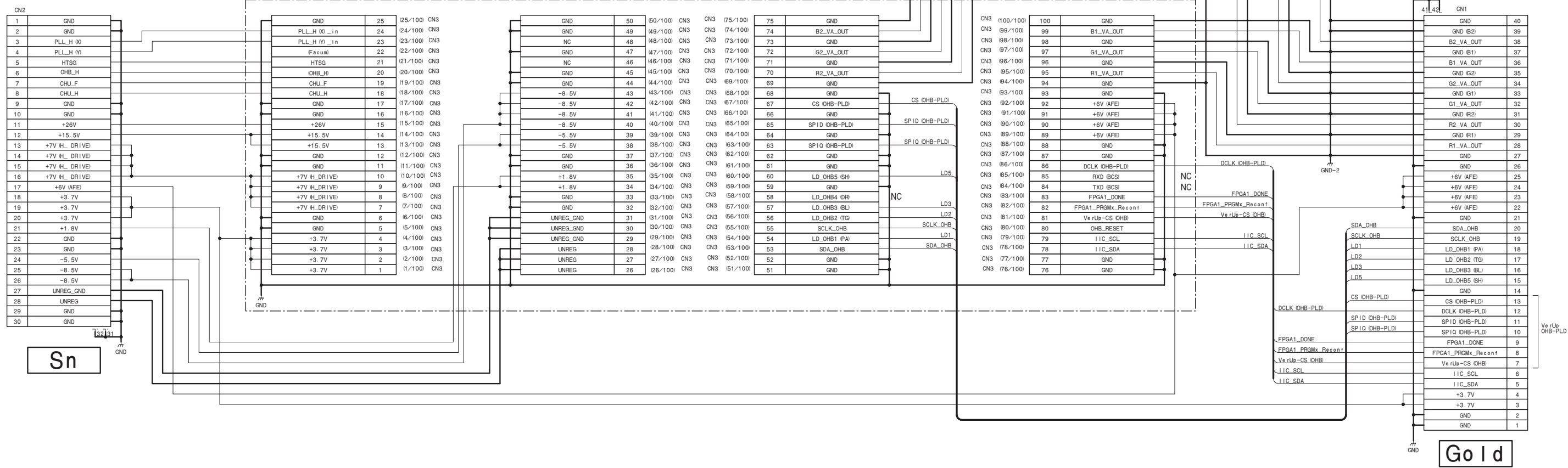




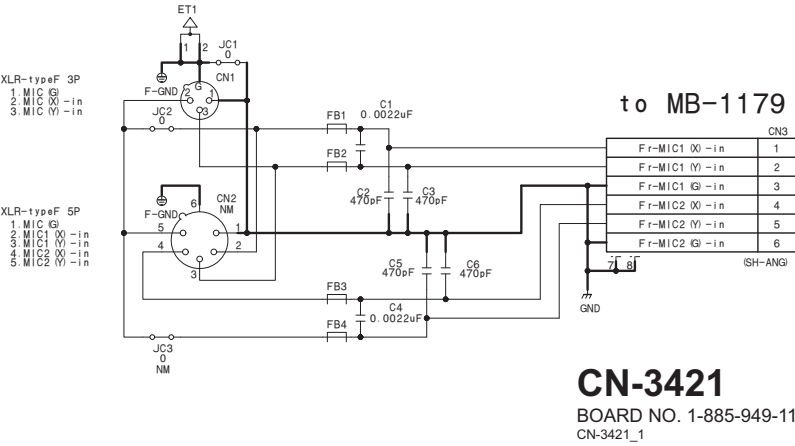
To DR-657

To DPR-338  
100pin/ST/Plug

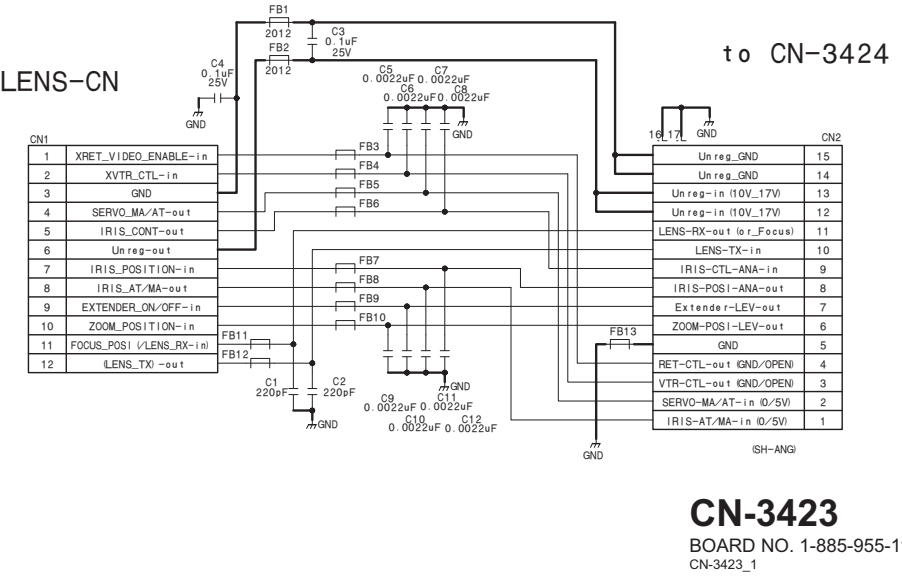
To VA-243



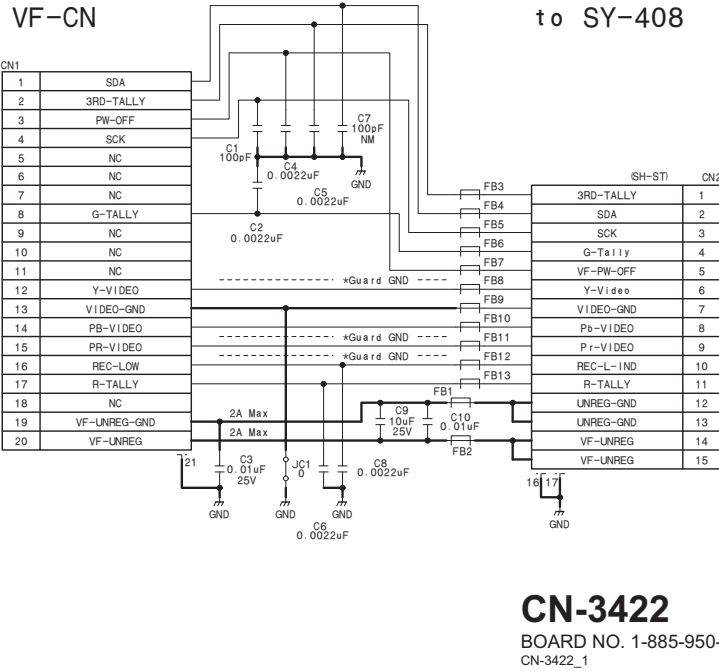
CN-3421



CN-3423

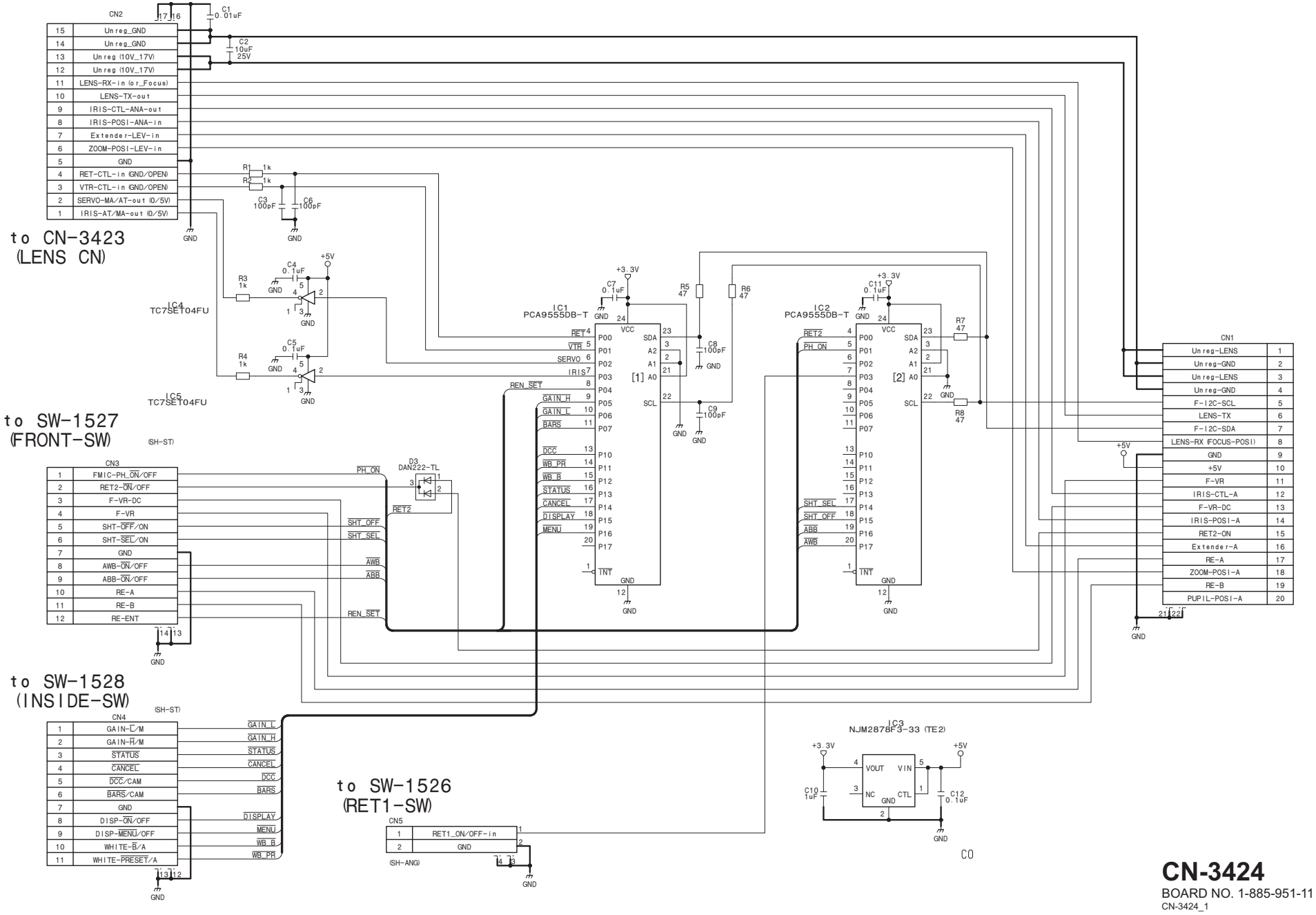


CN-3422



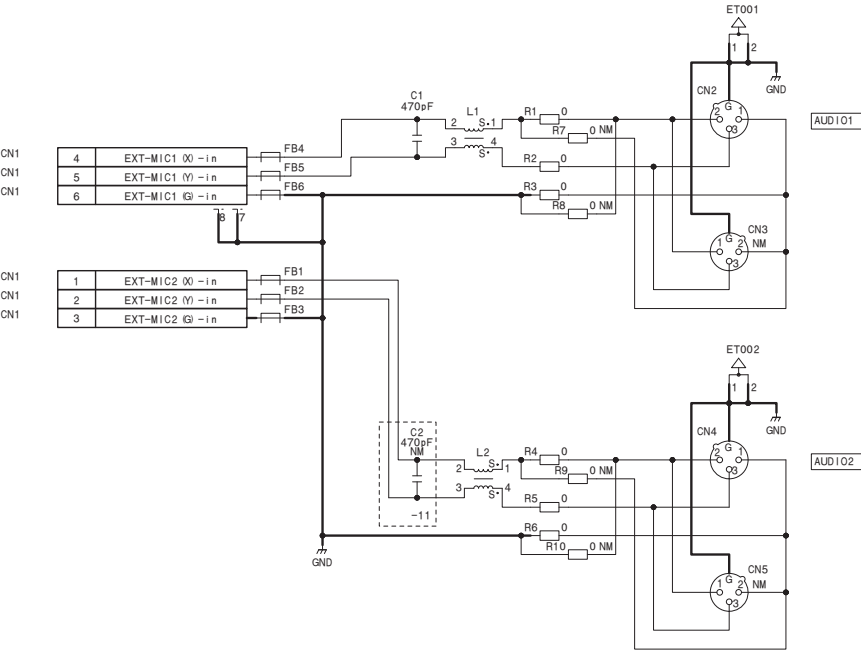


CN-3424



CN-3424  
BOARD NO. 1-885-951-11  
CN-3424\_1

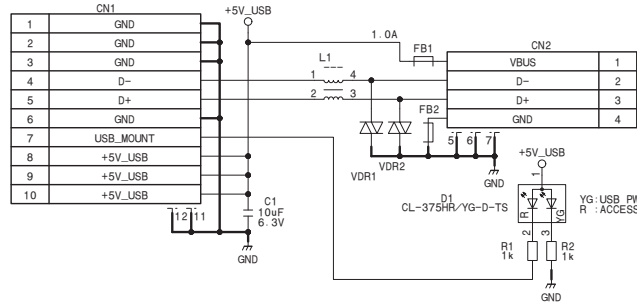
CN-3425



CN-3425  
BOARD NO. 1-885-952-11  
CN-3425\_1

CN-3426

to SY-408

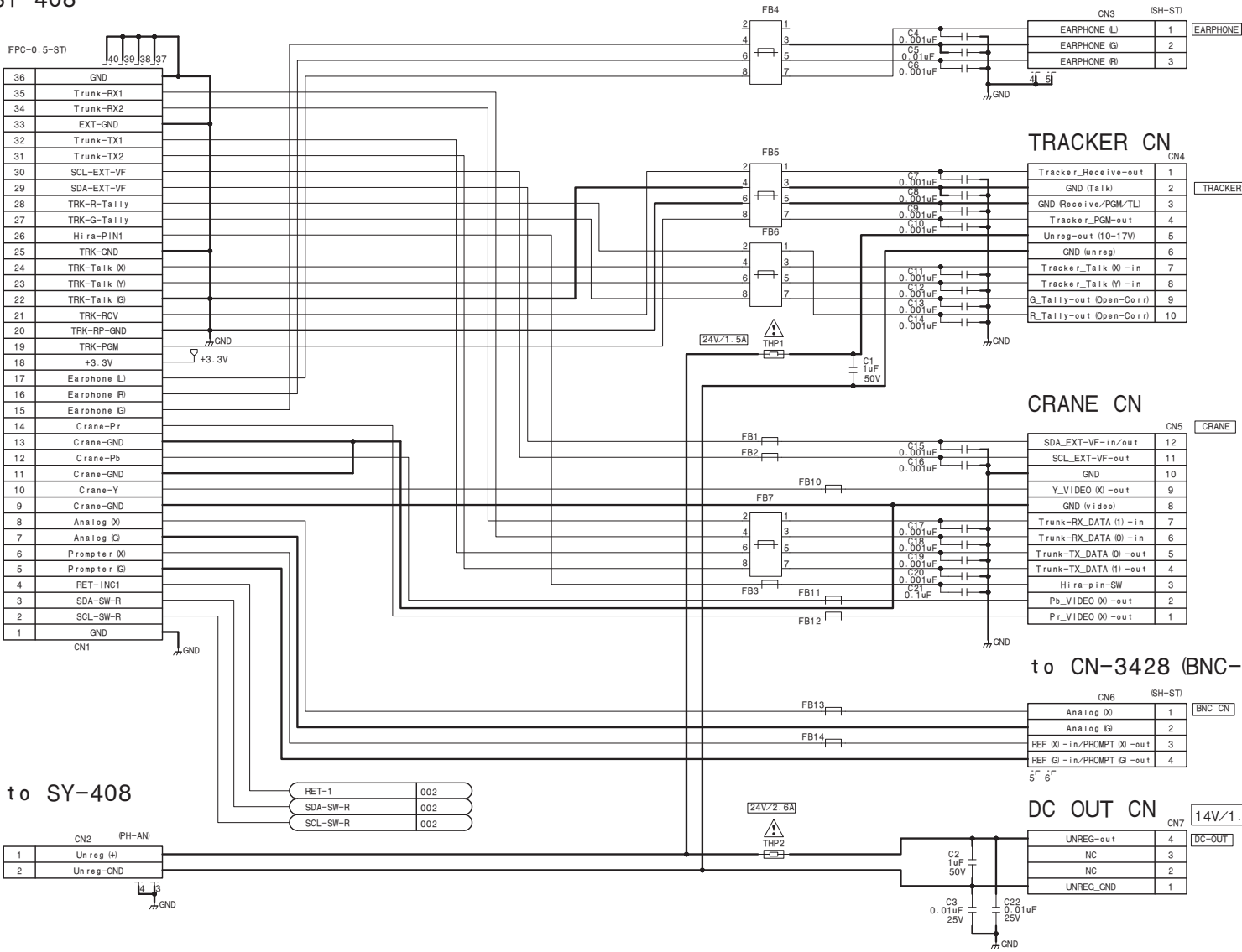


CN-3426  
BOARD NO. 1-885-938-11  
CN-3426\_1

CN-3427  
CN-3427 (1/2)

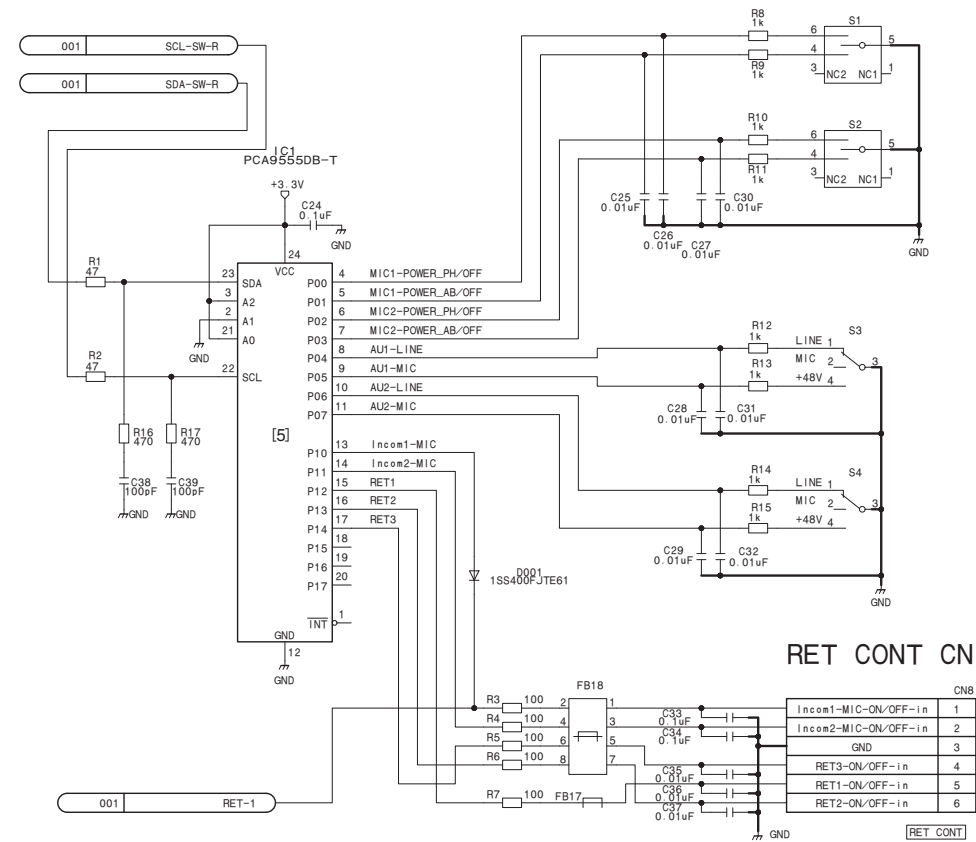
to SY-408

to CN-3429 (Earphone-CN)



CN-3427 (1/2)  
BOARD NO. 1-885-939-11  
CN-3427\_1

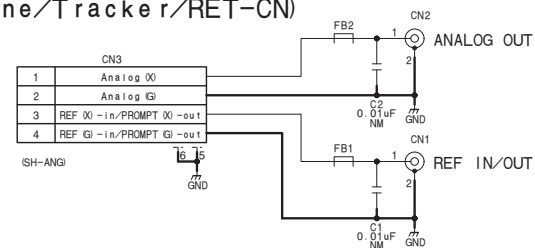
**CN-3427 (2/2)**



**CN-3427 (2/2)**  
BOARD NO. 1-885-939-11  
CN-3427\_2

**CN-3428**

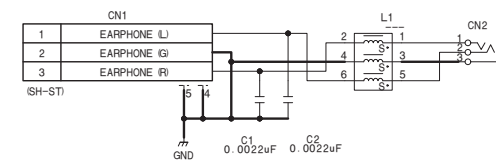
to CN-3427  
(Crane/Tracker/RET-CN)



**CN-3428**  
BOARD NO. 1-885-953-11  
CN-3428\_1

**CN-3429**

to CN-3427  
(C/T/RET-CN)

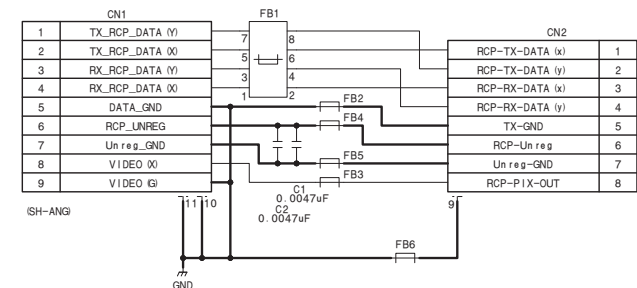


**CN-3429**  
BOARD NO. 1-885-956-11  
CN-3429\_1

**CN-3430**

to SY-408

RM/RCP

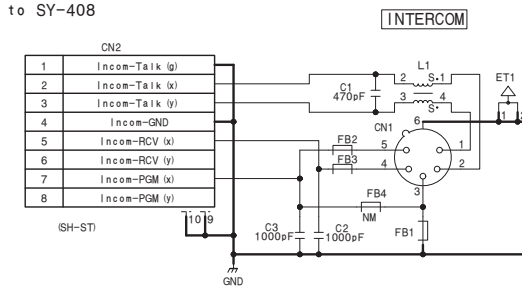


**CN-3430**  
BOARD NO. 1-885-941-11  
CN-3430\_1

**CN-3431**

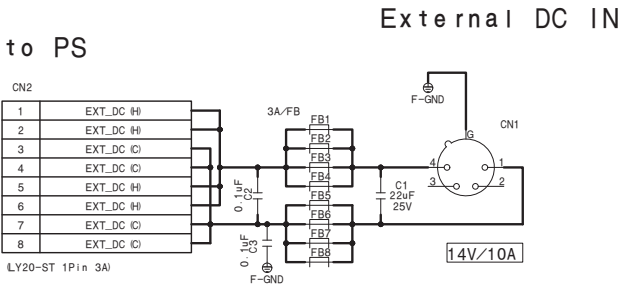
to SY-408

1:Talk-Y  
2:Talk-X  
3:GND  
4:Receive



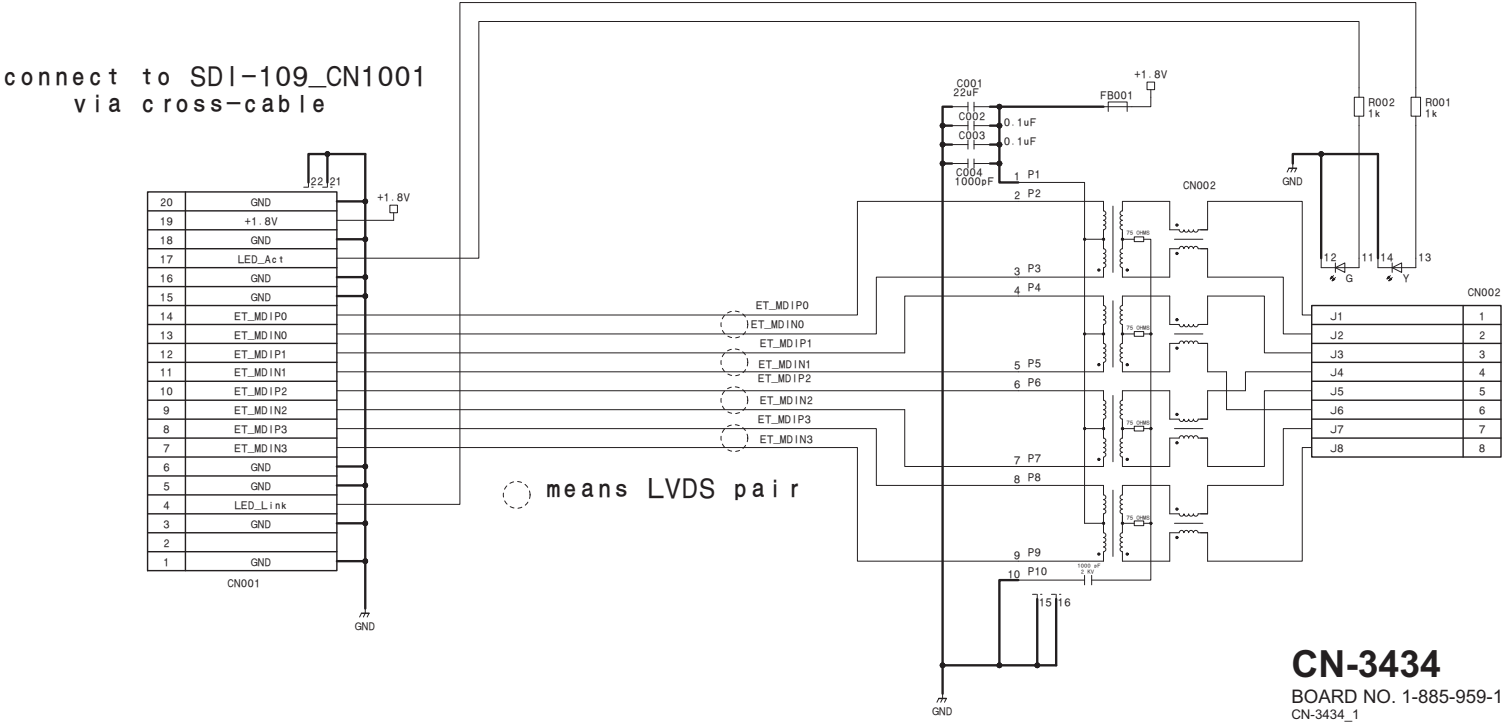
**CN-3431**  
BOARD NO. 1-885-954-11  
CN-3431\_1

CN-3432

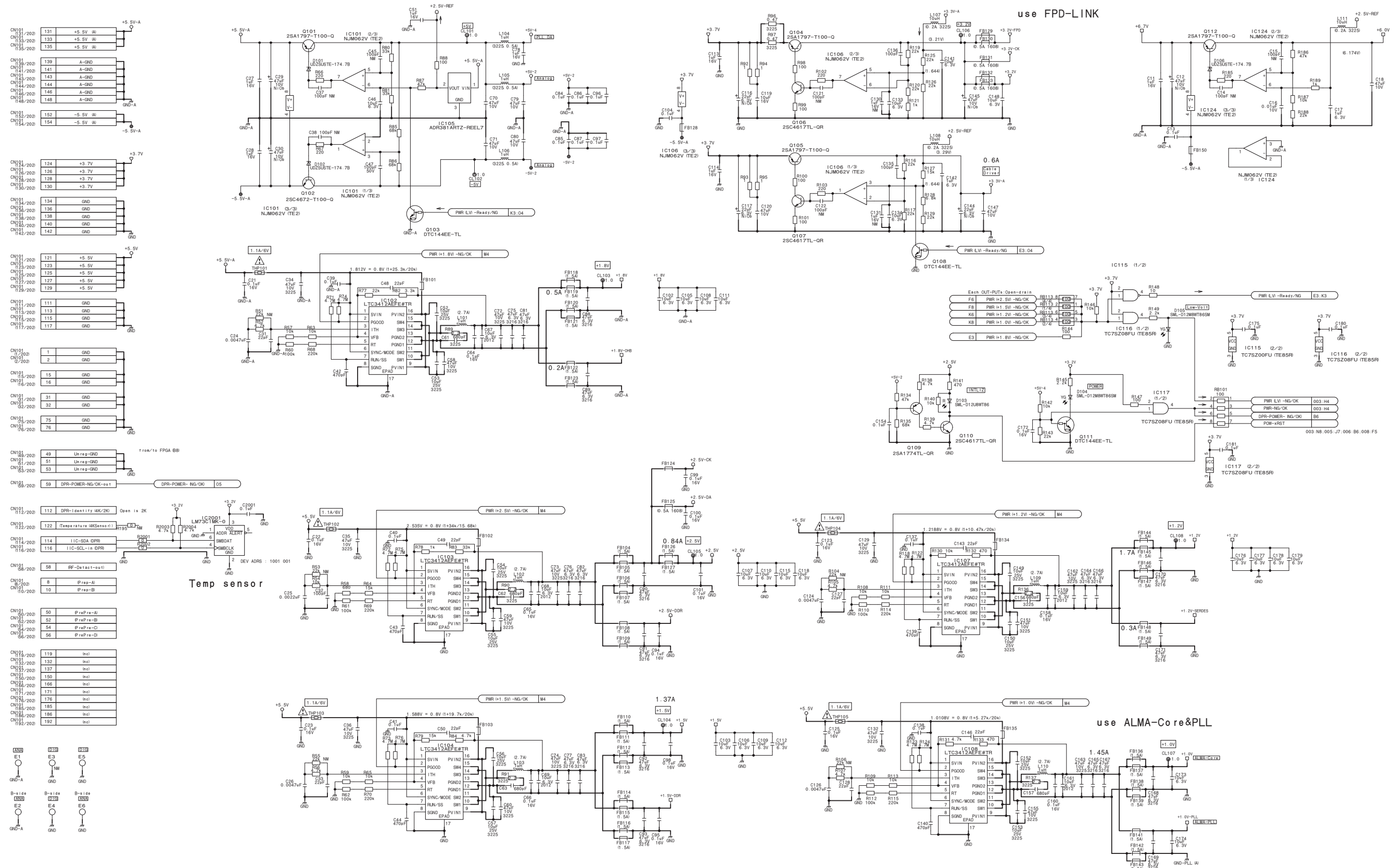


CN-3432  
BOARD NO. 1-885-957-11  
CN-3432\_1

CN-3434

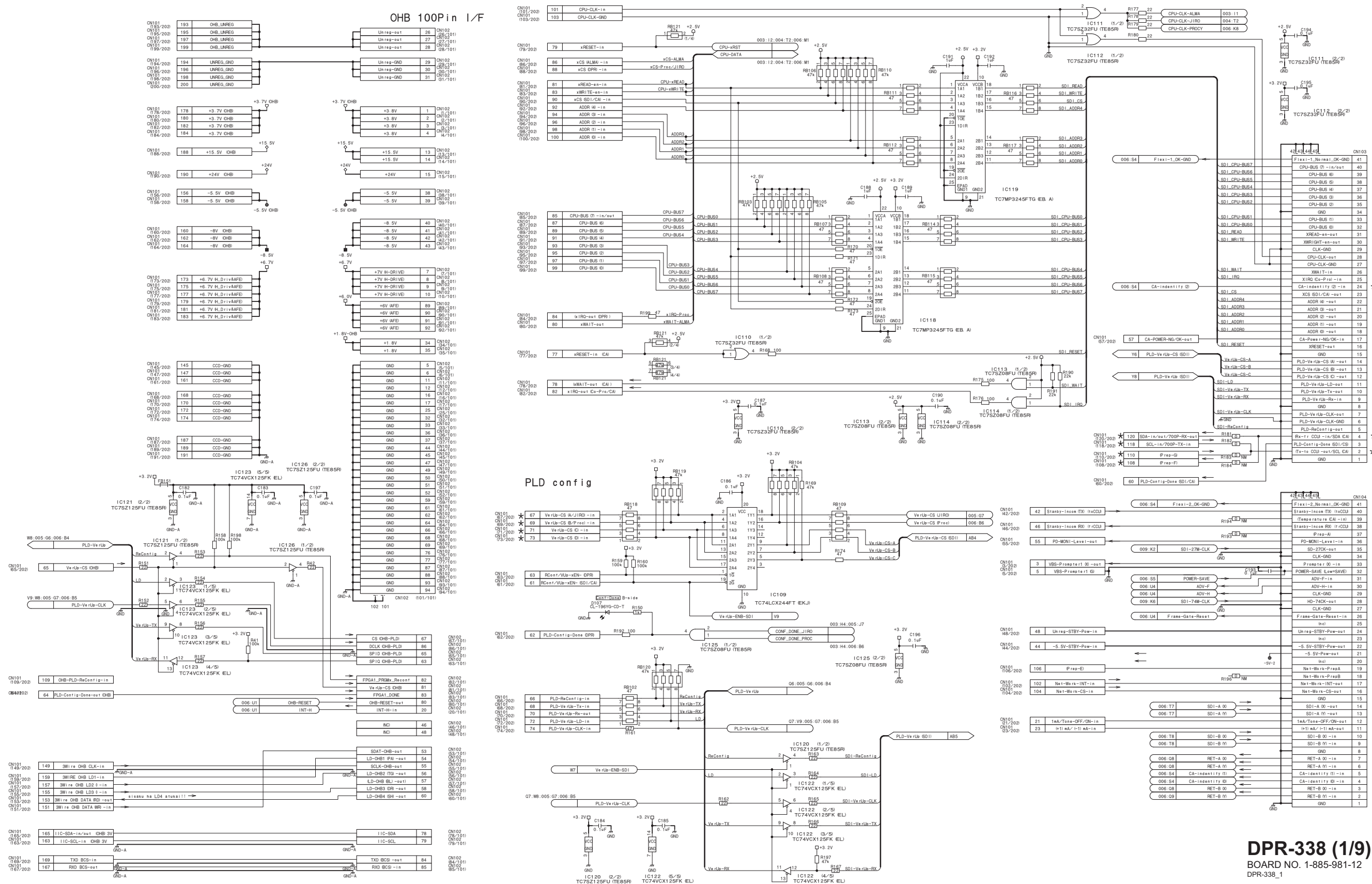


**DPR-338**  
**DPR-338 (1/9)\_L**



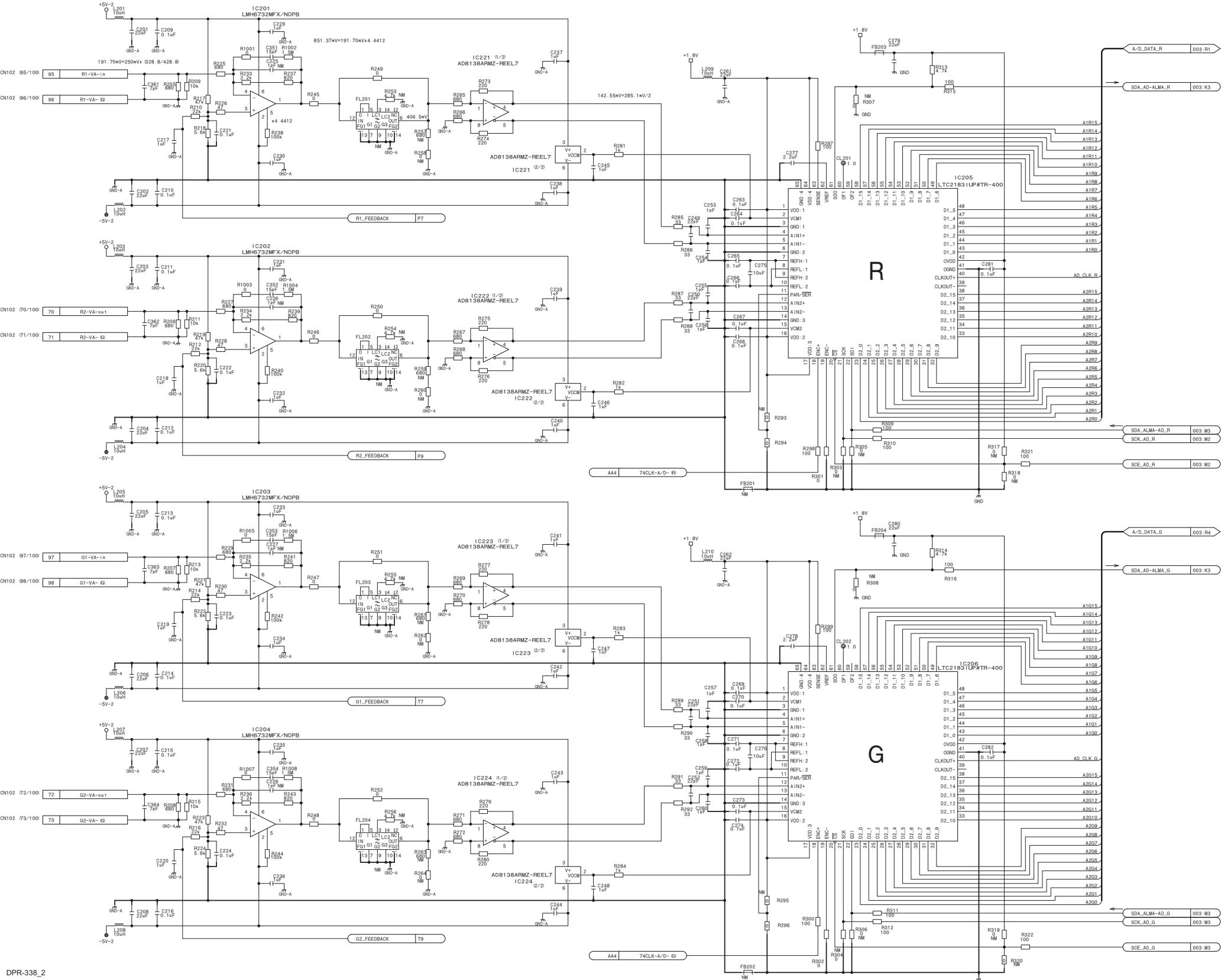


**DPR-338 (1/9)\_R**



**DPR-338 (1/9)**  
BOARD NO. 1-885-981-12  
DPR-338\_1

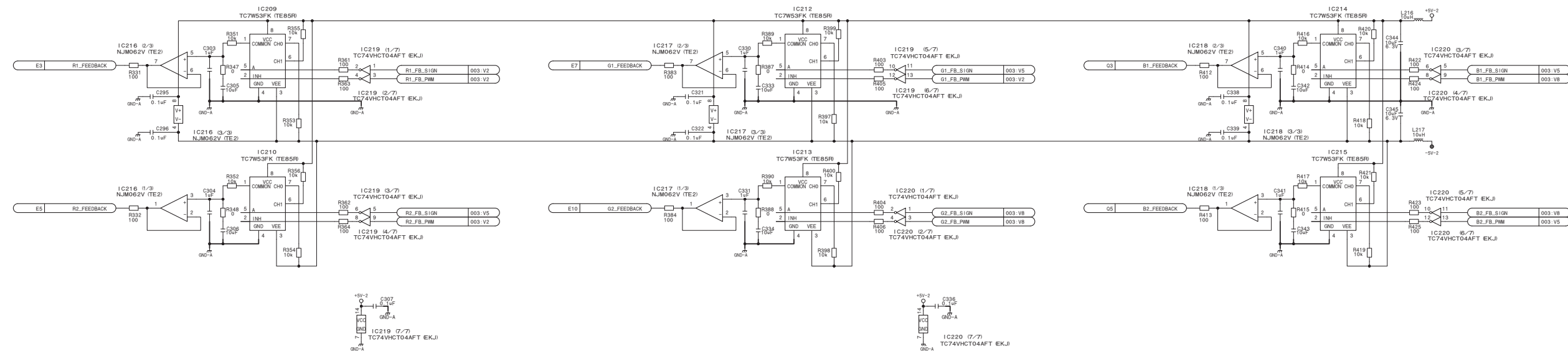
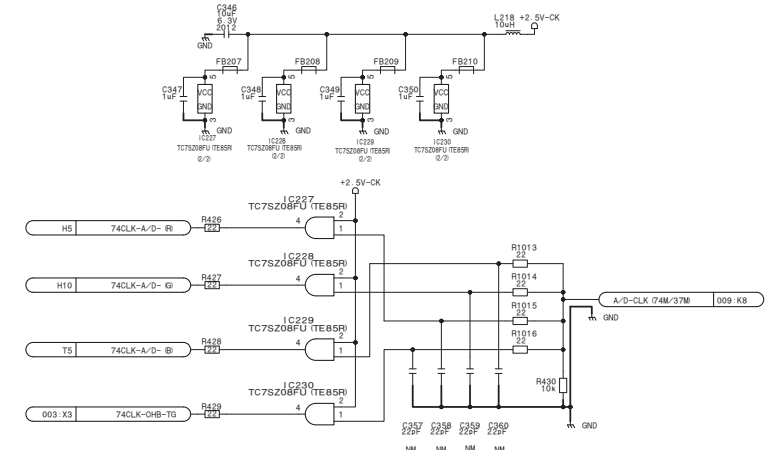
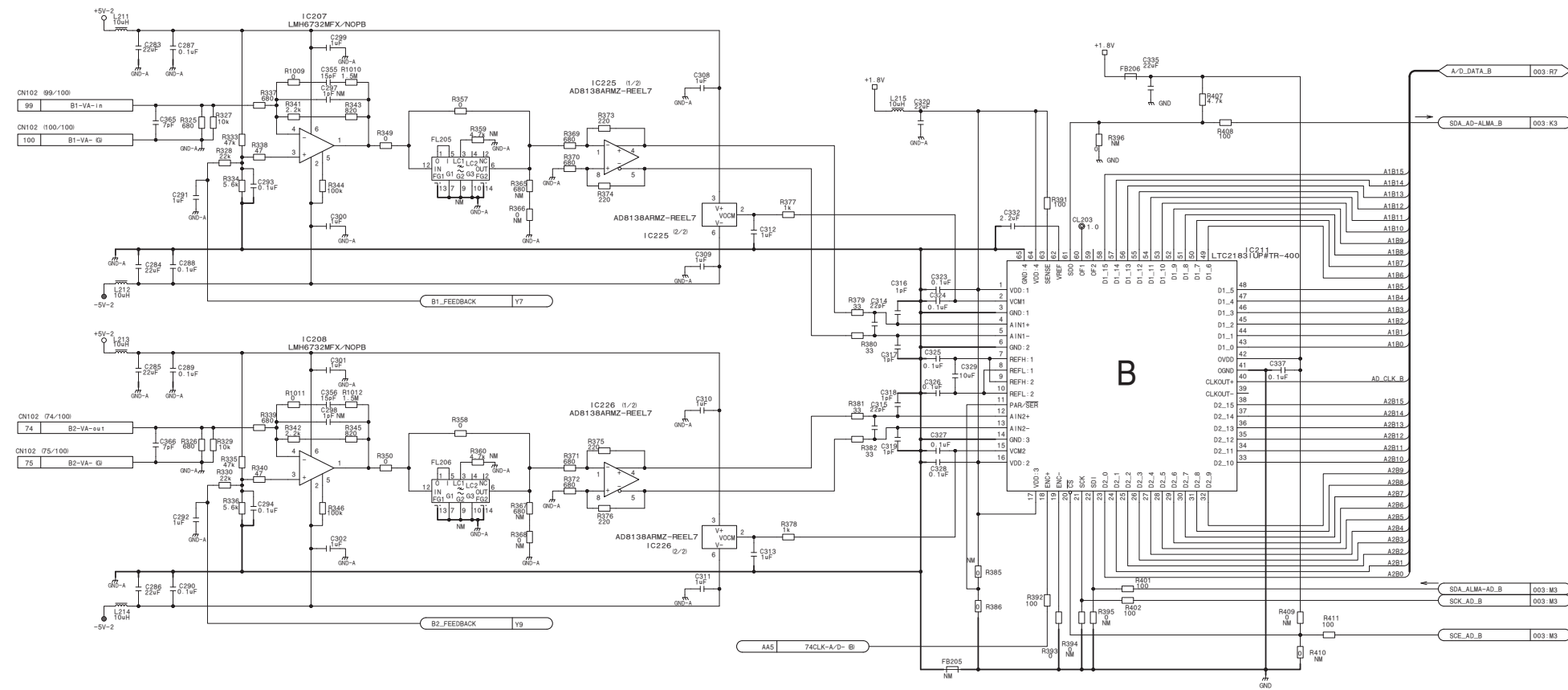
DPR-338 (2/9)\_L



DPR-338\_2

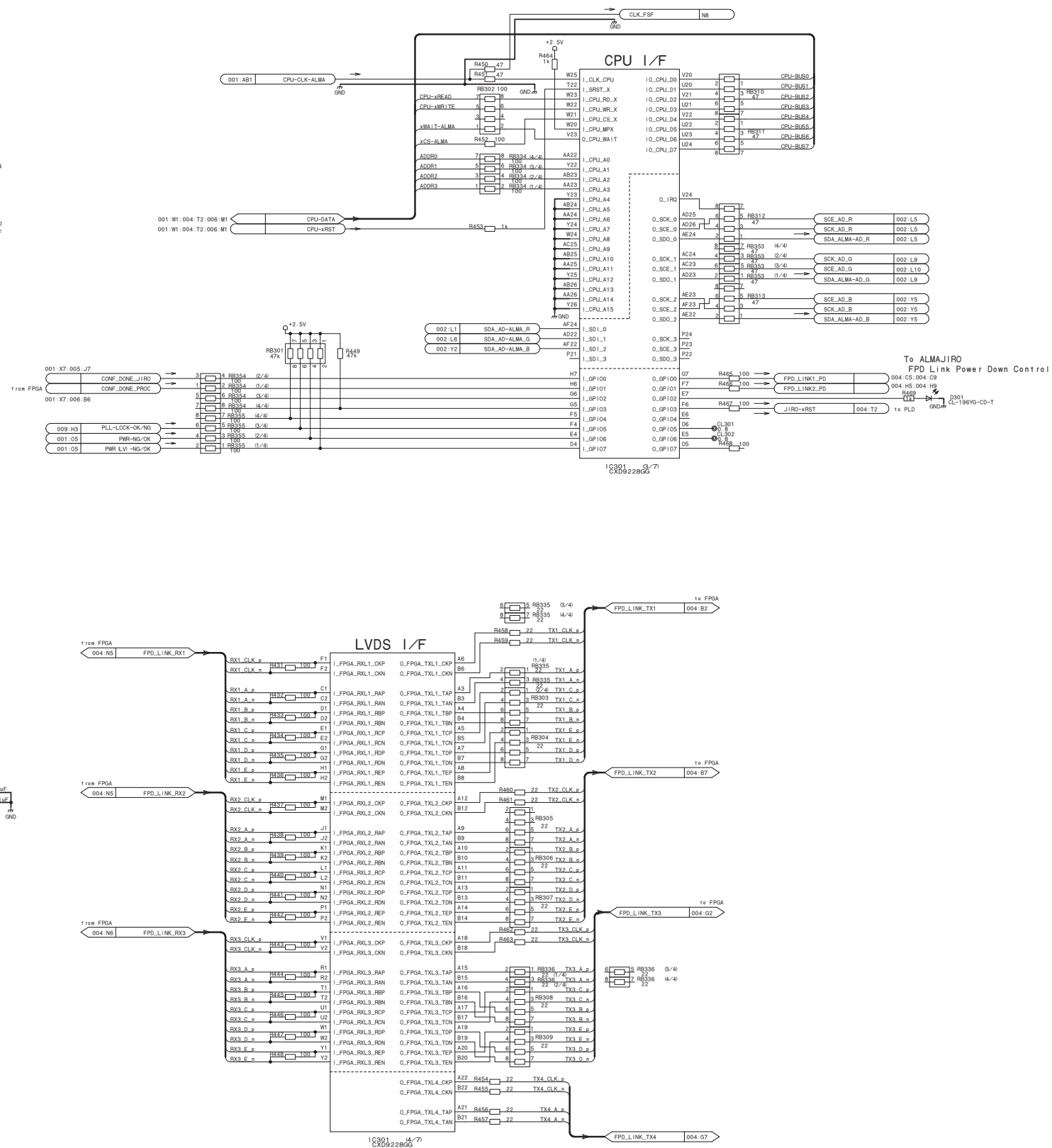
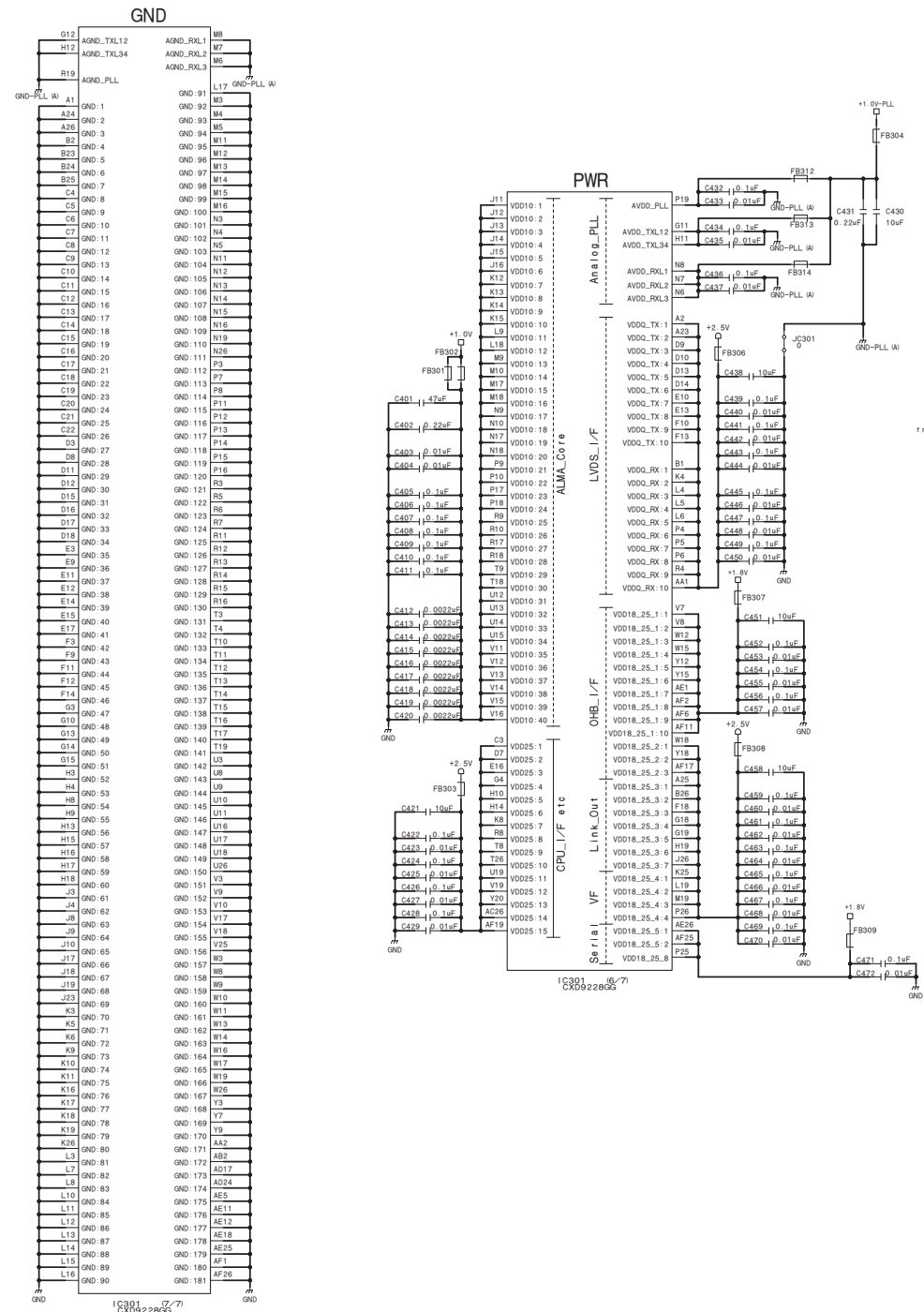


**DPR-338 (2/9)\_R**

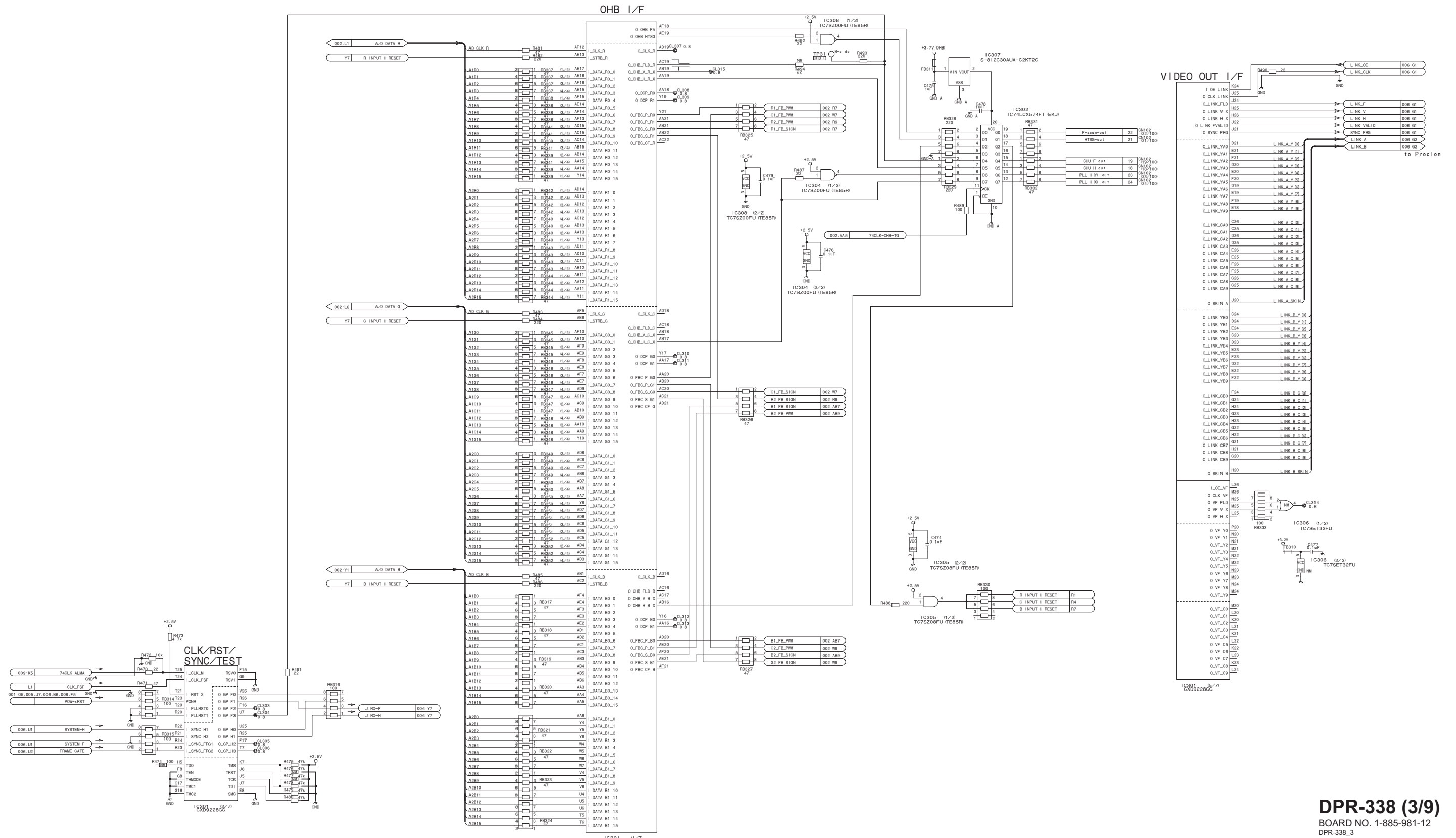


**DPR-338 (2/9)**  
BOARD NO. 1-885-981-12  
DPR-338\_2

**DPR-338 (3/9)\_L**

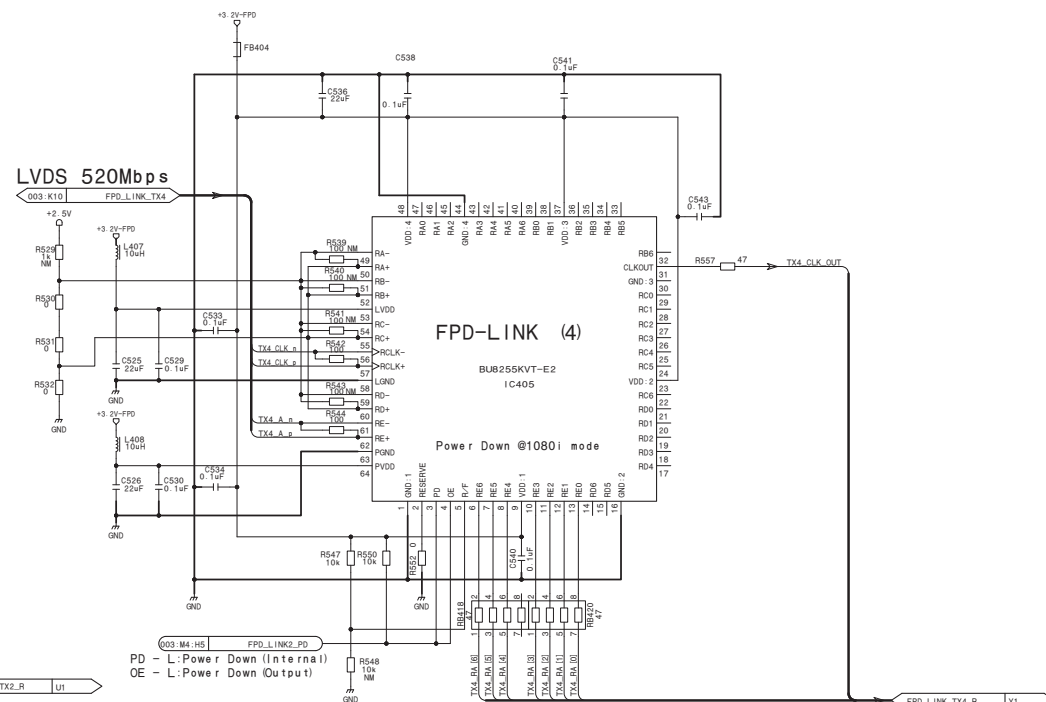
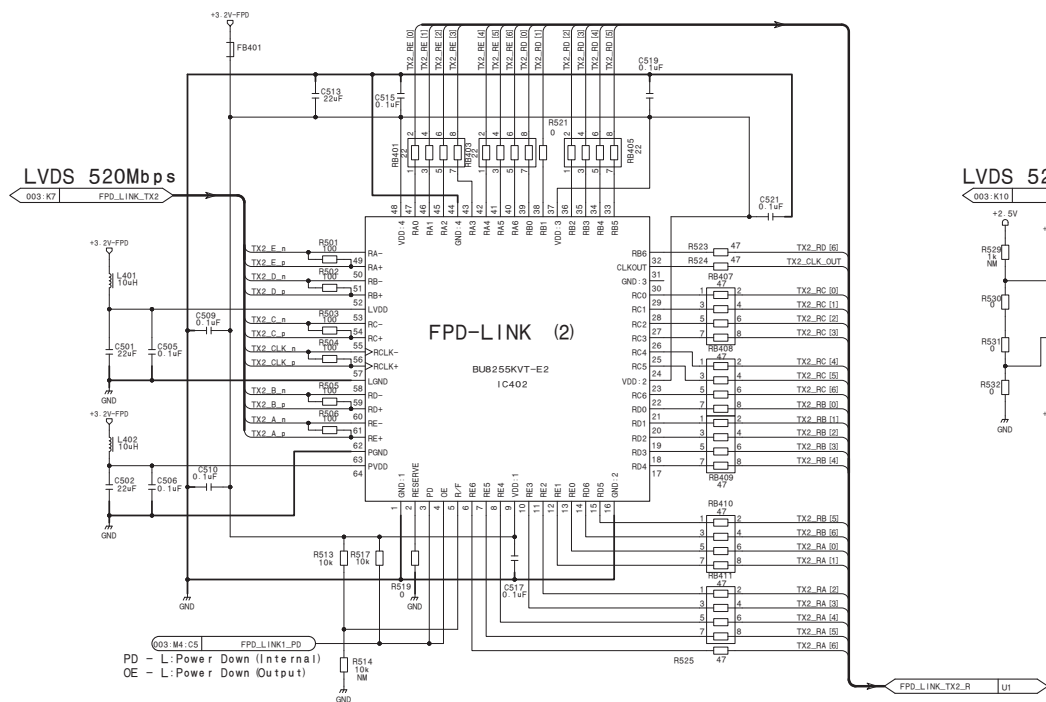
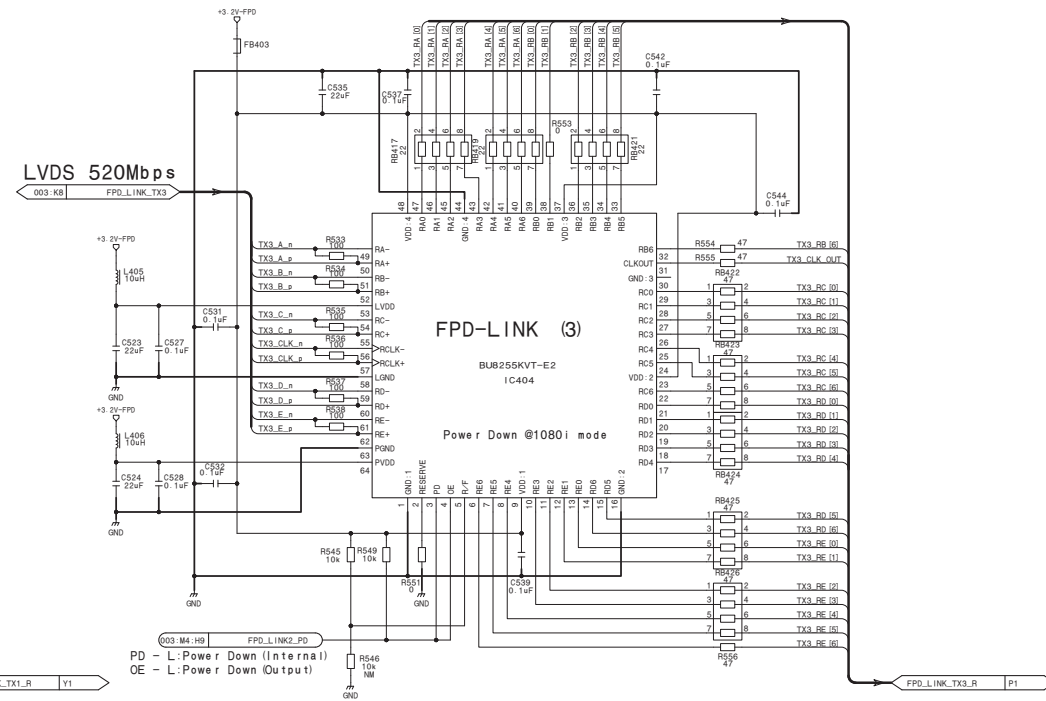
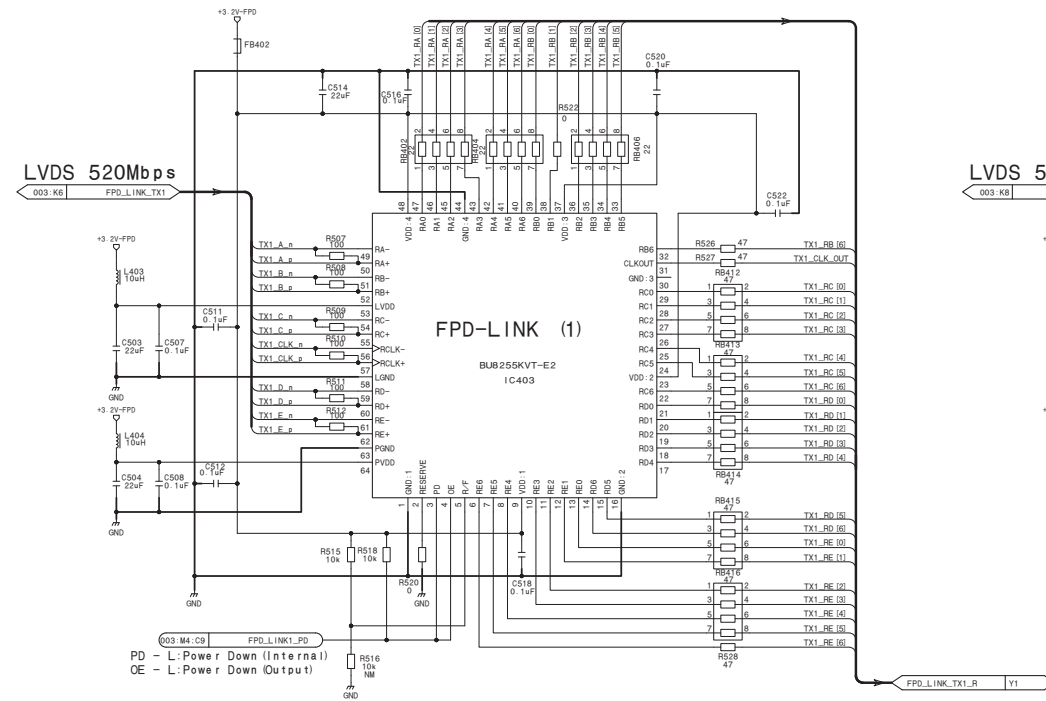


**DPR-338 (3/9)\_R**

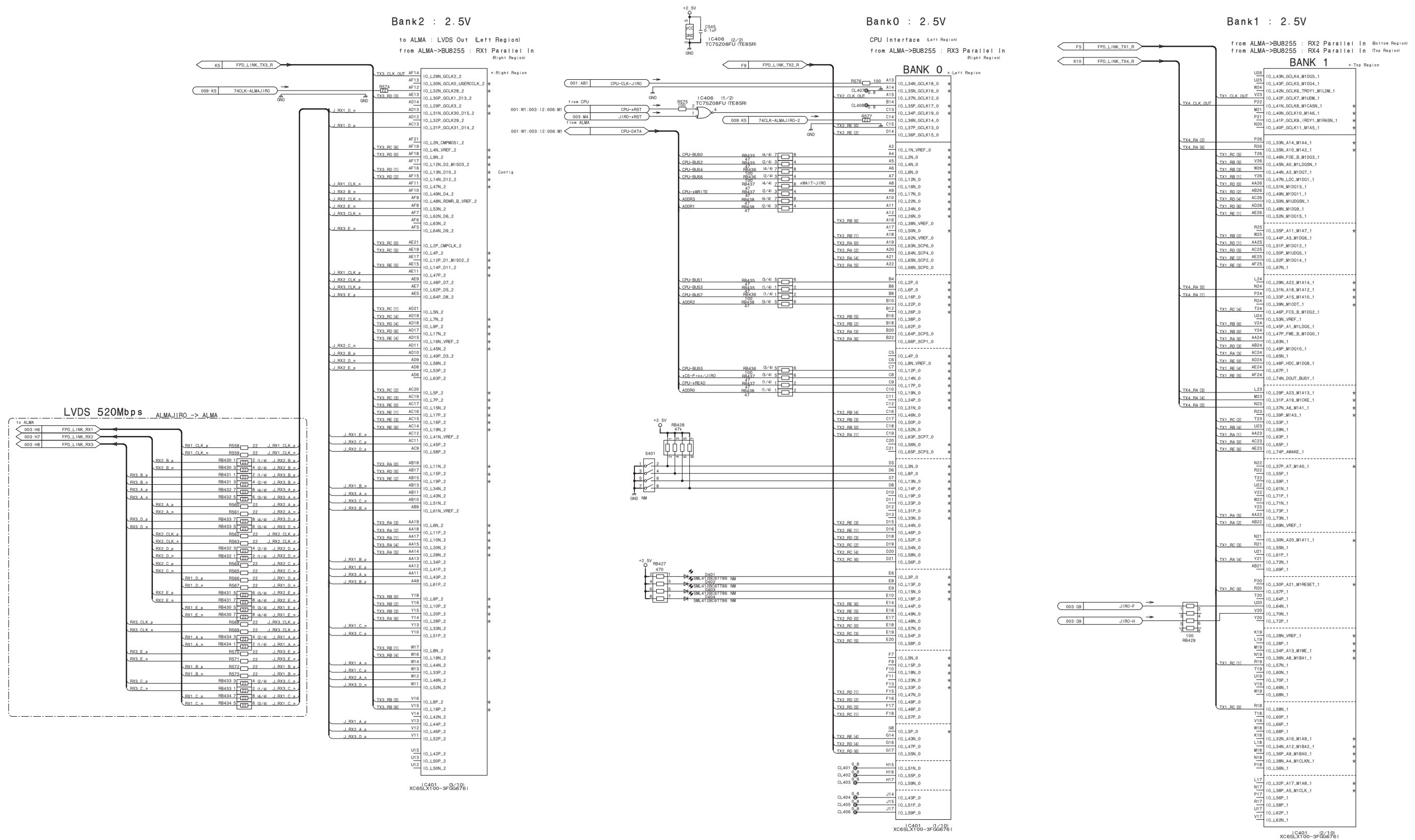


**DPR-338 (4/9)\_L**

FPD-LINK (LVDS-RX 7:1 / 520Mbps )  
for ALMA -> ALMAJIRO Transmission



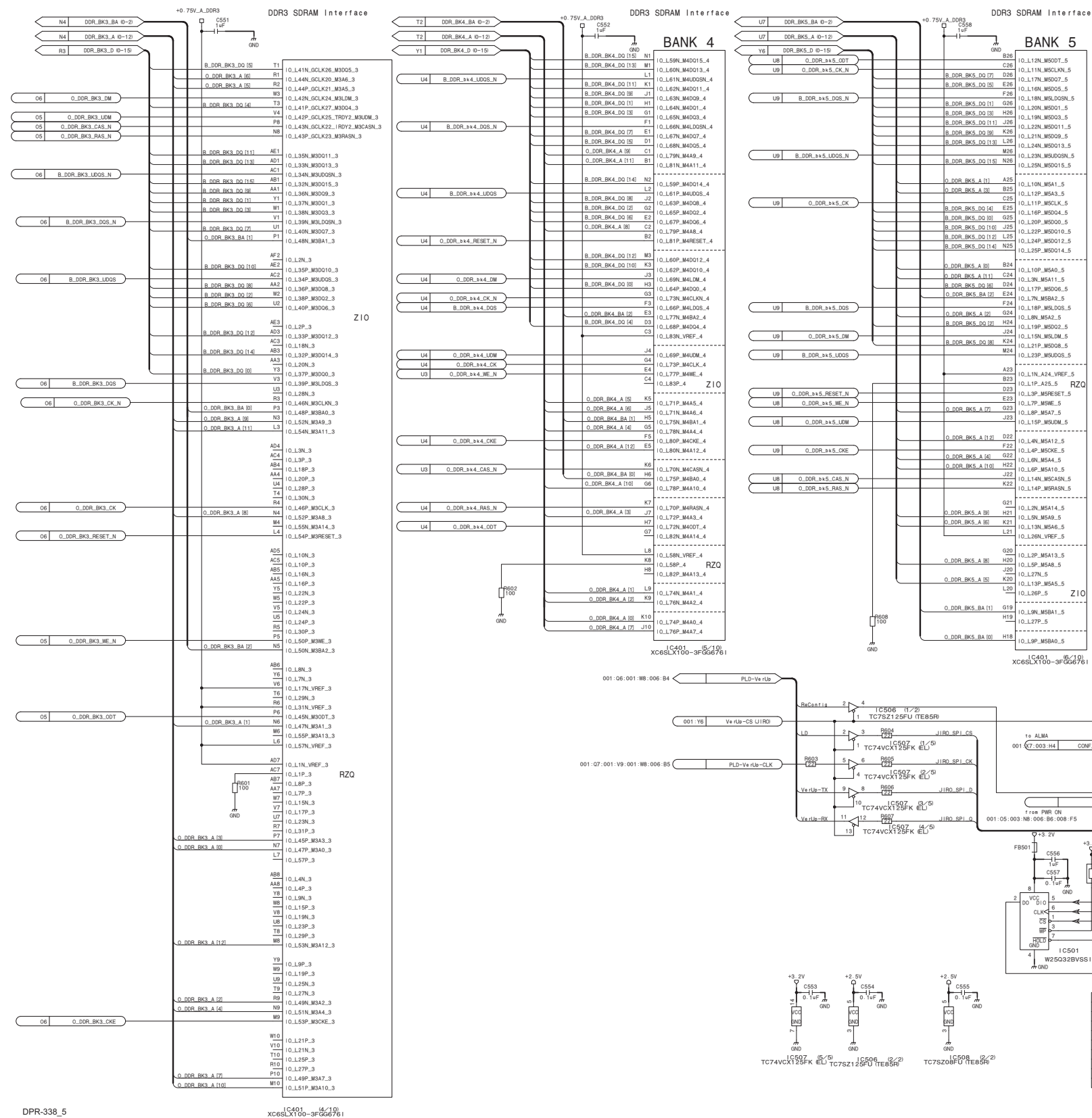
**DPR-338 (4/9)\_R**



**DPR-338 (4/9)**  
BOARD NO. 1-885-981-12  
DPR-338 4



## DPR-338 (5/9)\_L

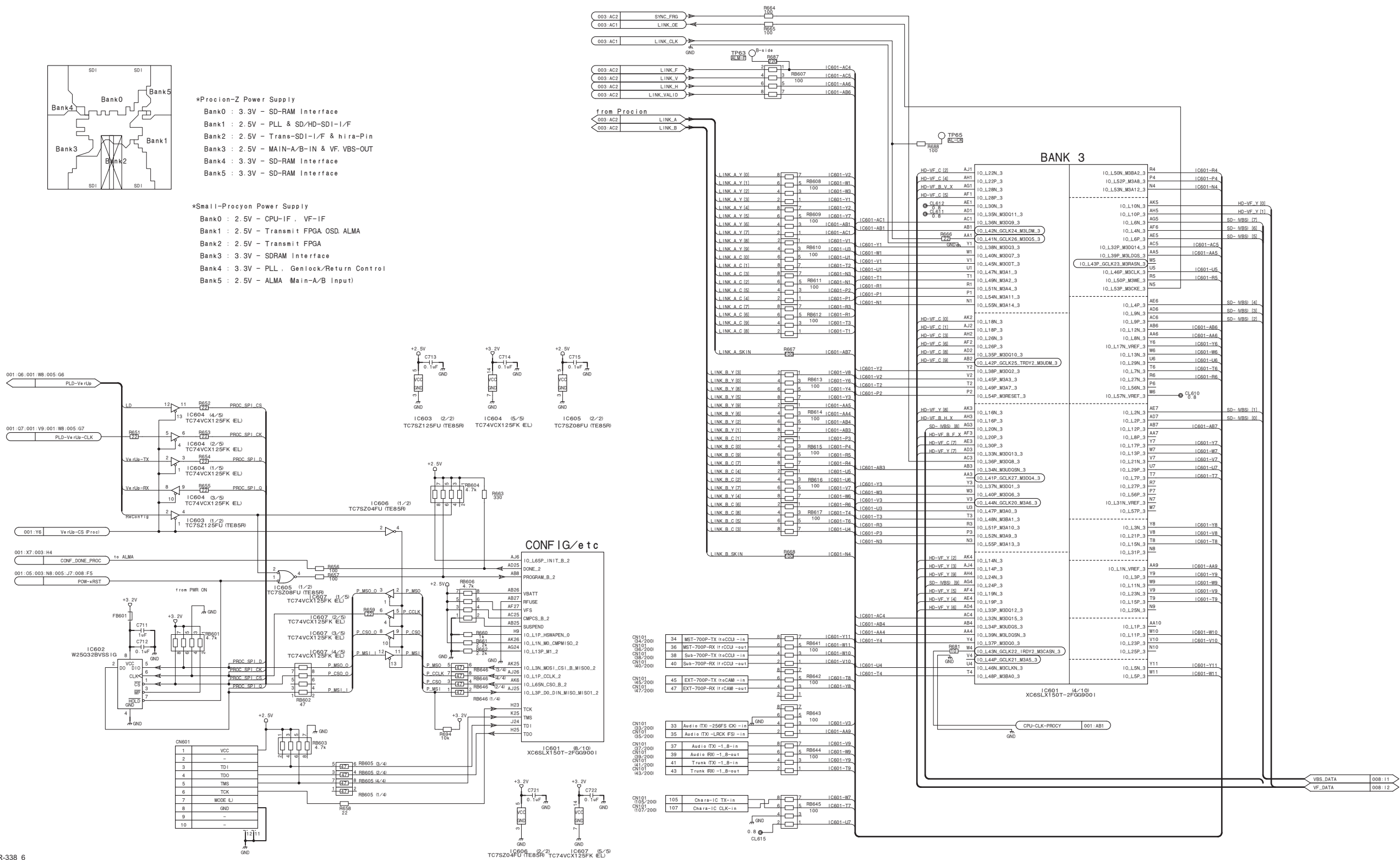


## HDC2500/HDC2400

## DDR3 SDRAM for ALMAJIRO

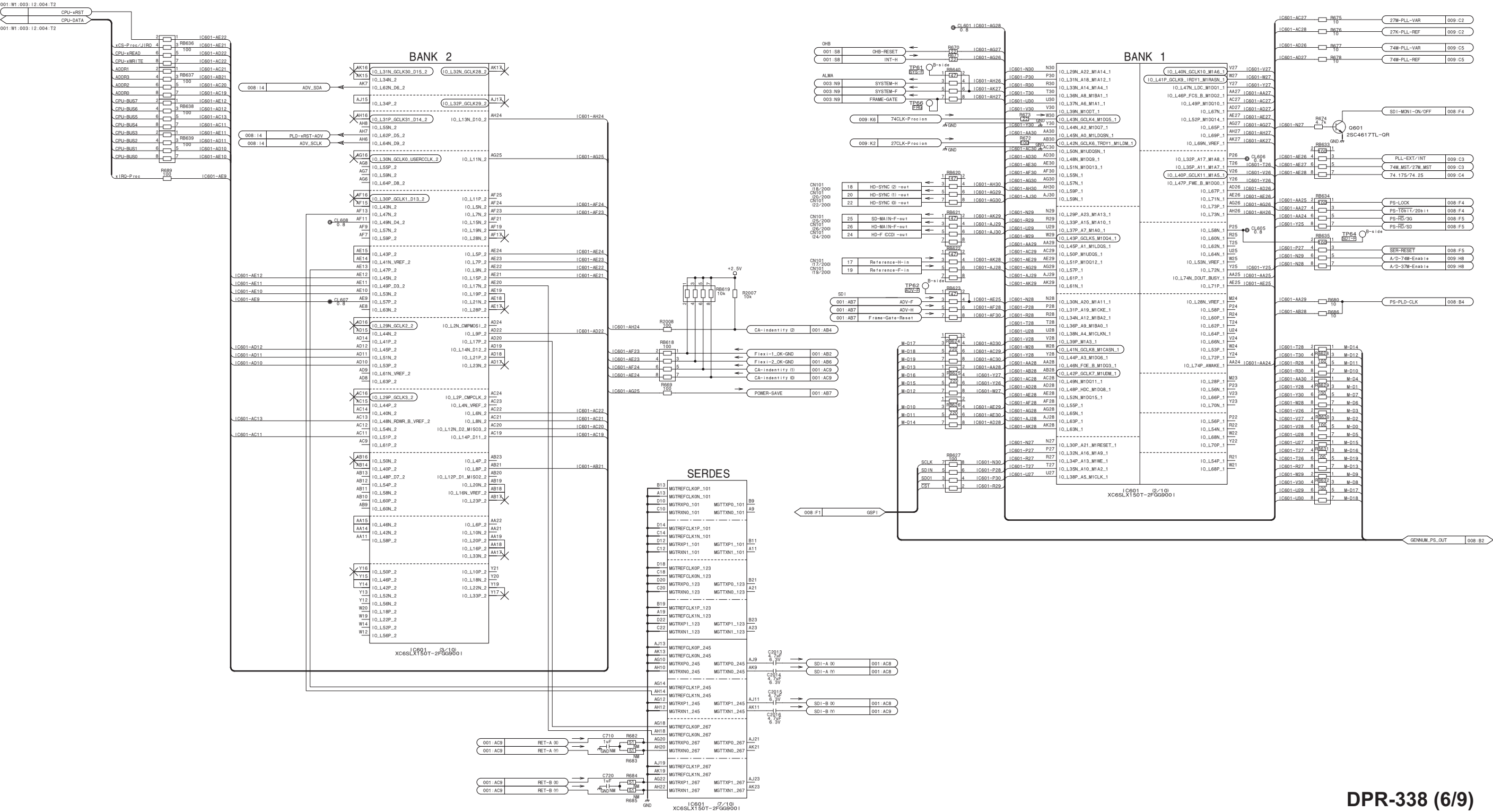


## DPR-338 (6/9)\_L



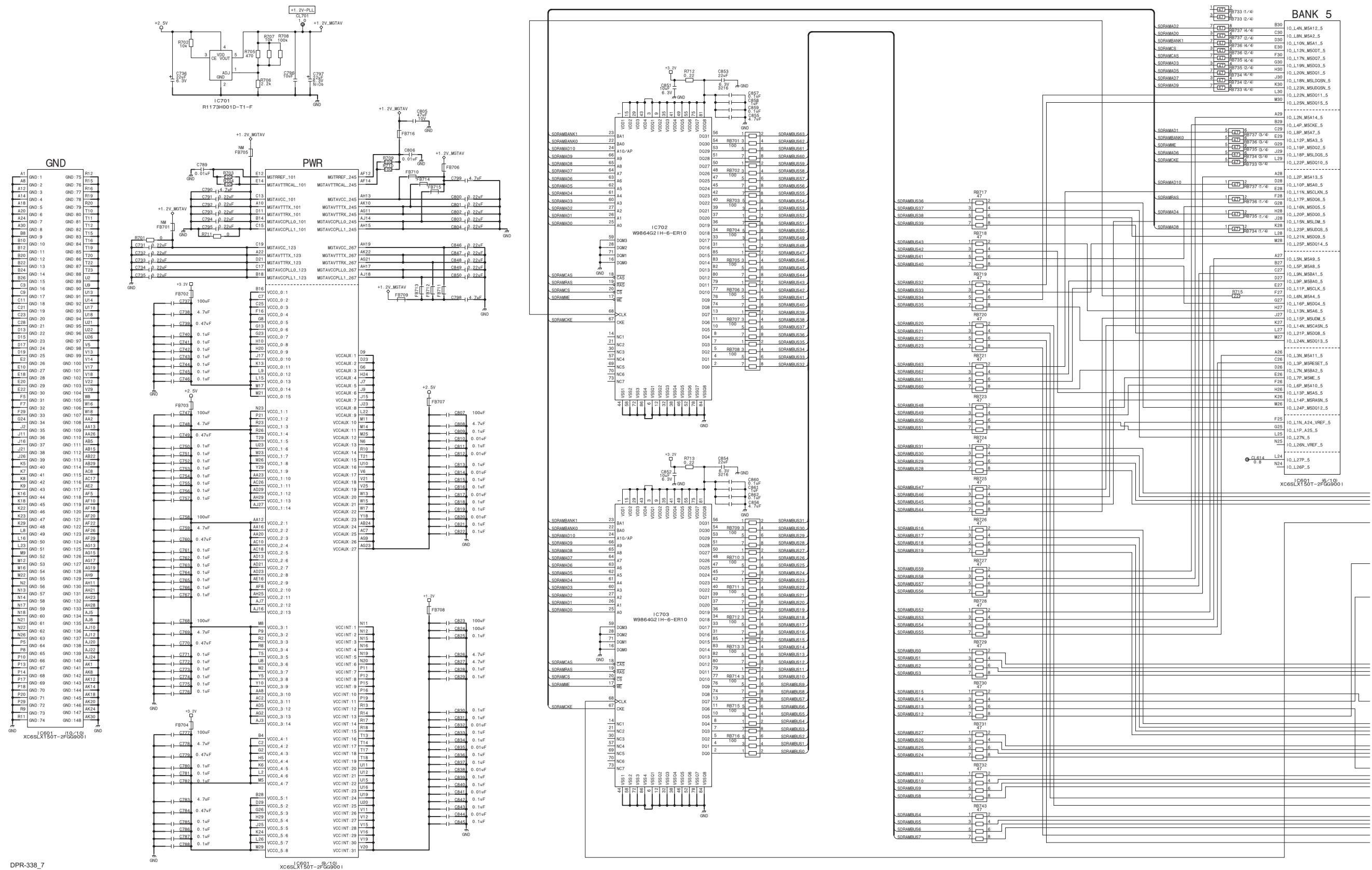


DPR-338 (6/9)\_R



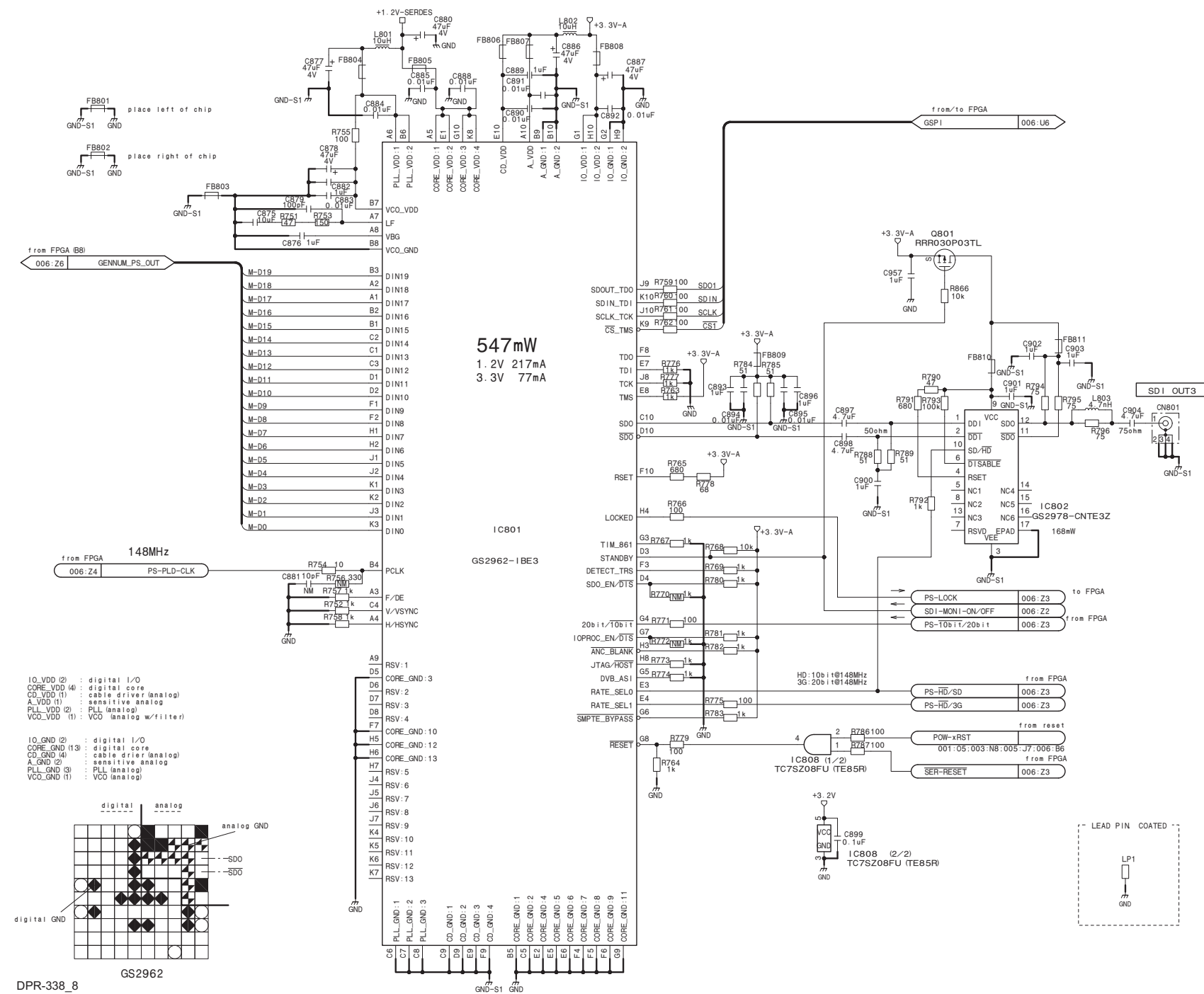
DPR-338 (6/9)  
BOARD NO. 1-885-981-12  
DPR-338\_6

**DPR-338 (7/9)\_L**

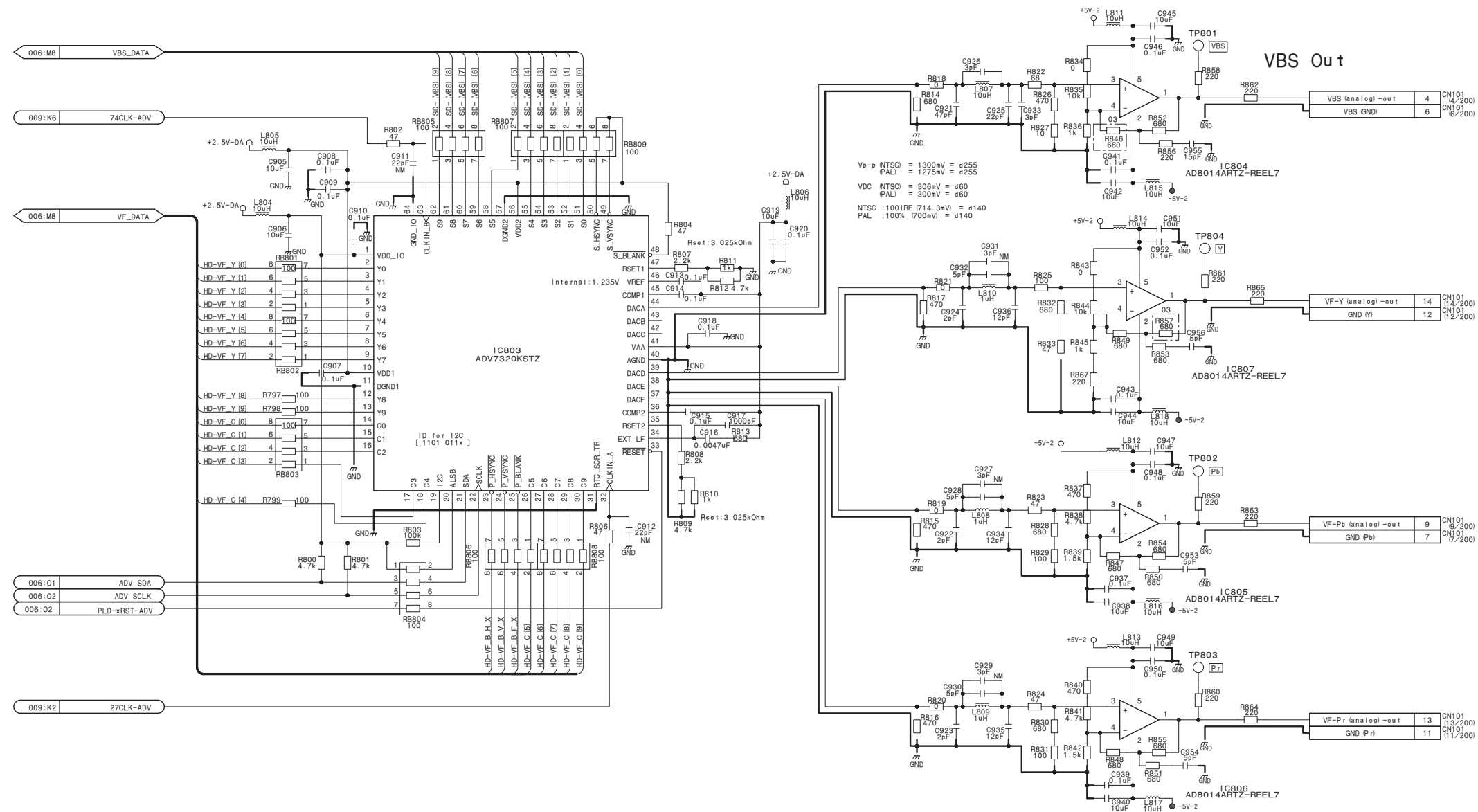




**DPR-338 (8/9)\_L**



## DPR-338 (8/9)\_R

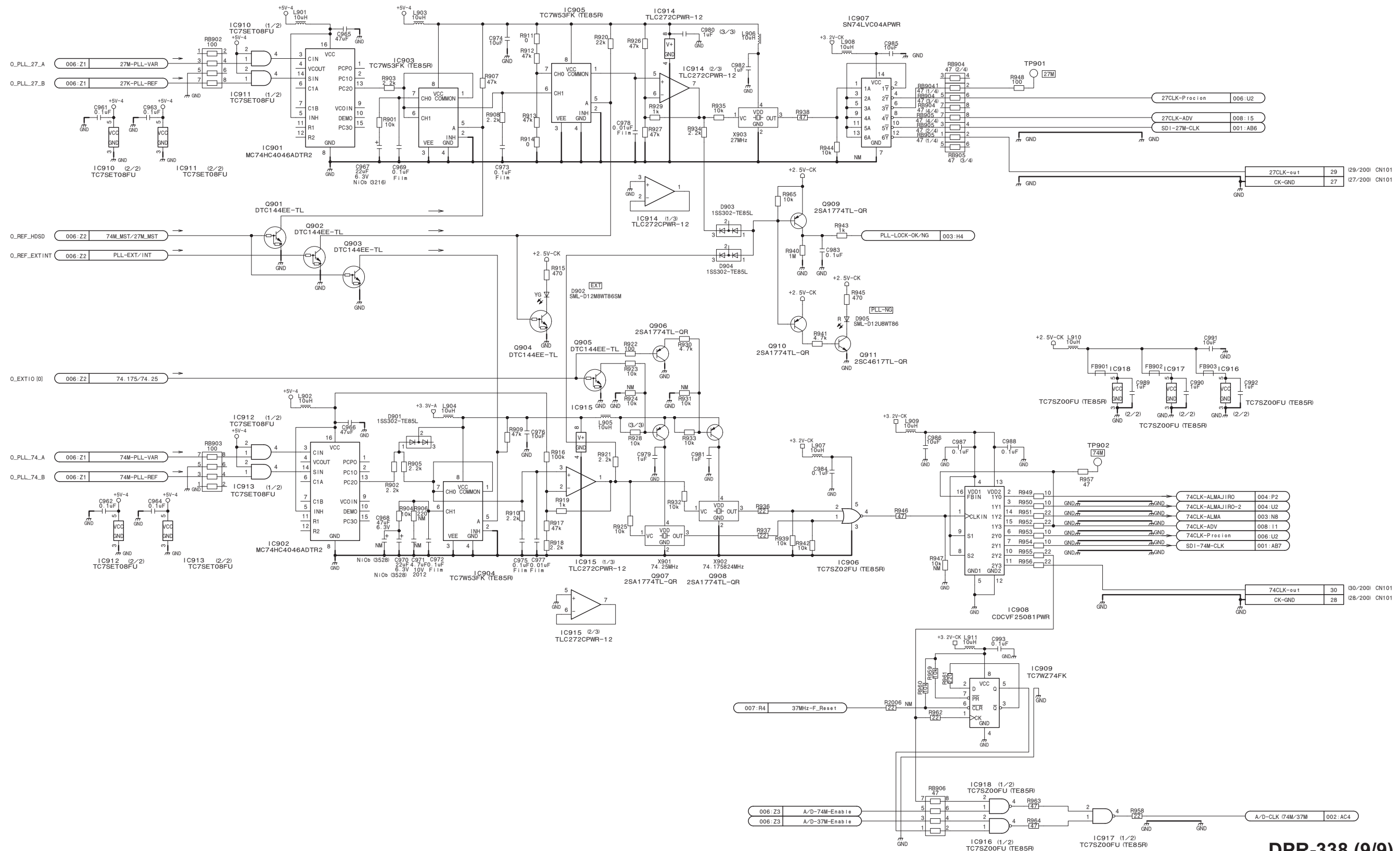


**DPR-338 (8/9)**

BOARD NO. 1-885-981-12  
DPR-338\_8



**DPR-338 (9/9)**



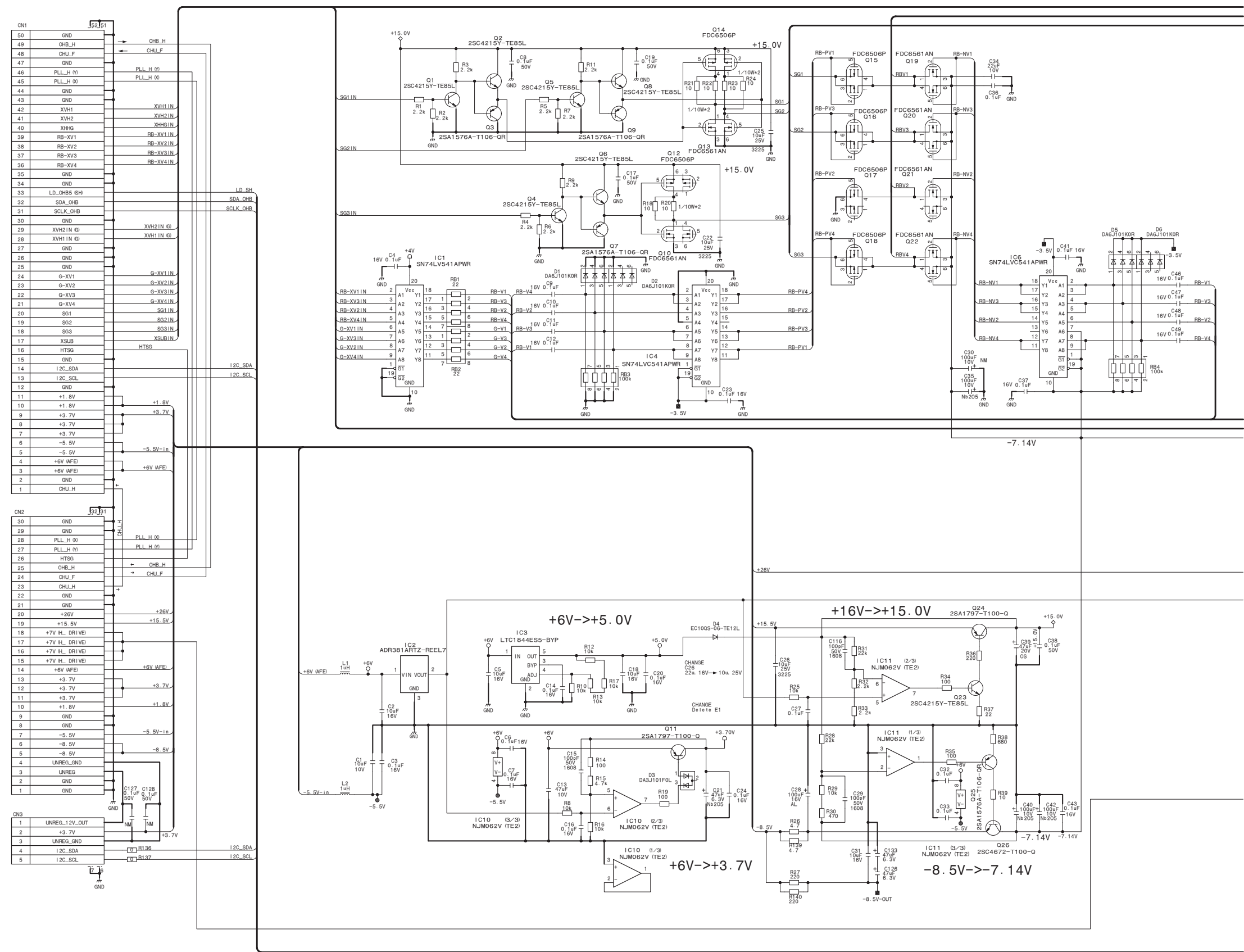
**DPR-338 (9/9)**  
BOARD NO. 1-885-981-12  
DPR-338\_9

DR-657  
DR-657\_L

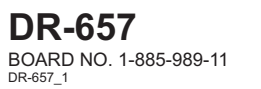
To TG-276  
0.5mm ZIF-type  
1-N connect

To CN-3315  
1.0mm pitch  
1-N connect

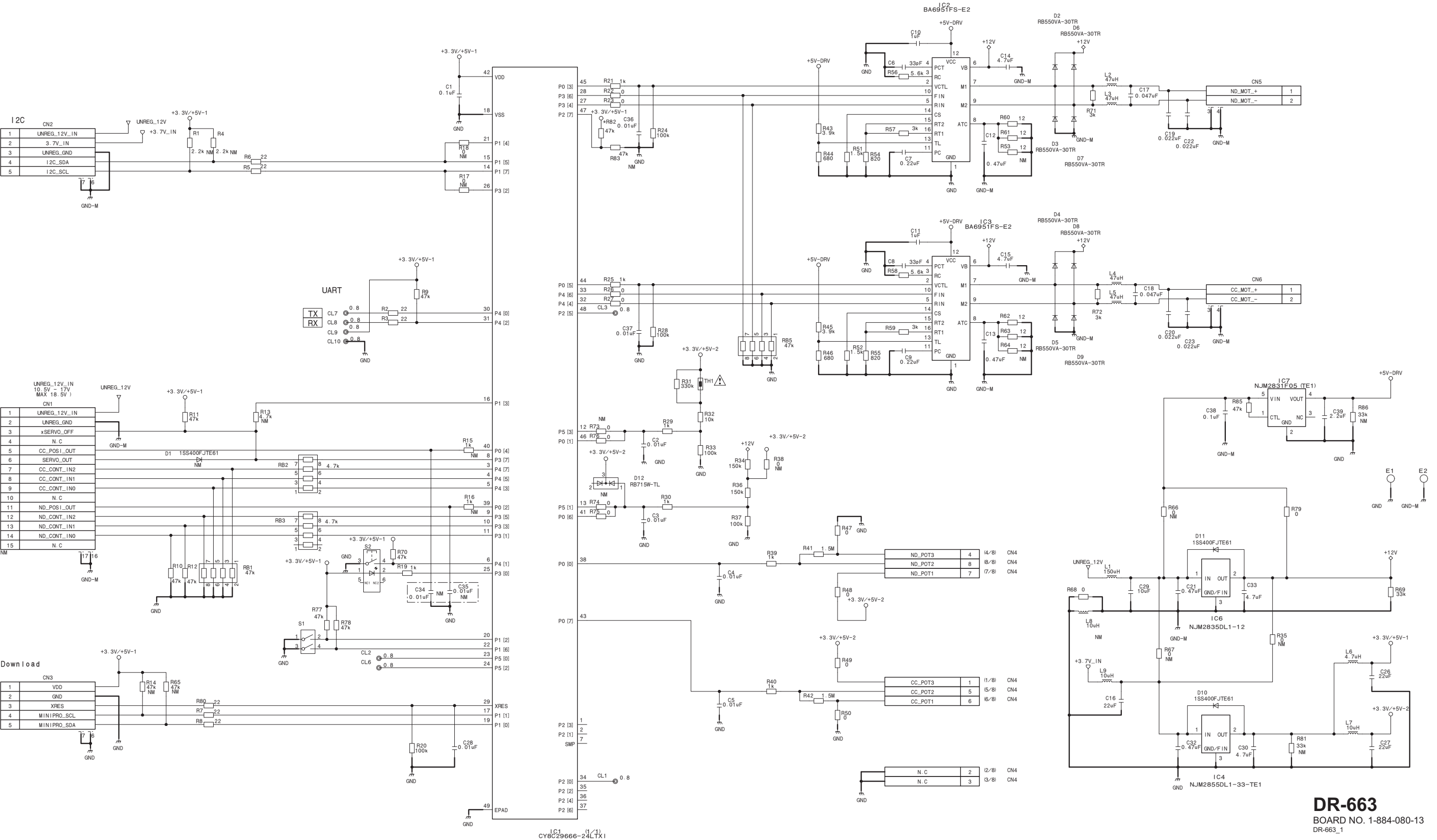
To Filter  
1.0mm pitch Harness



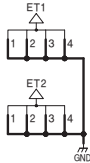
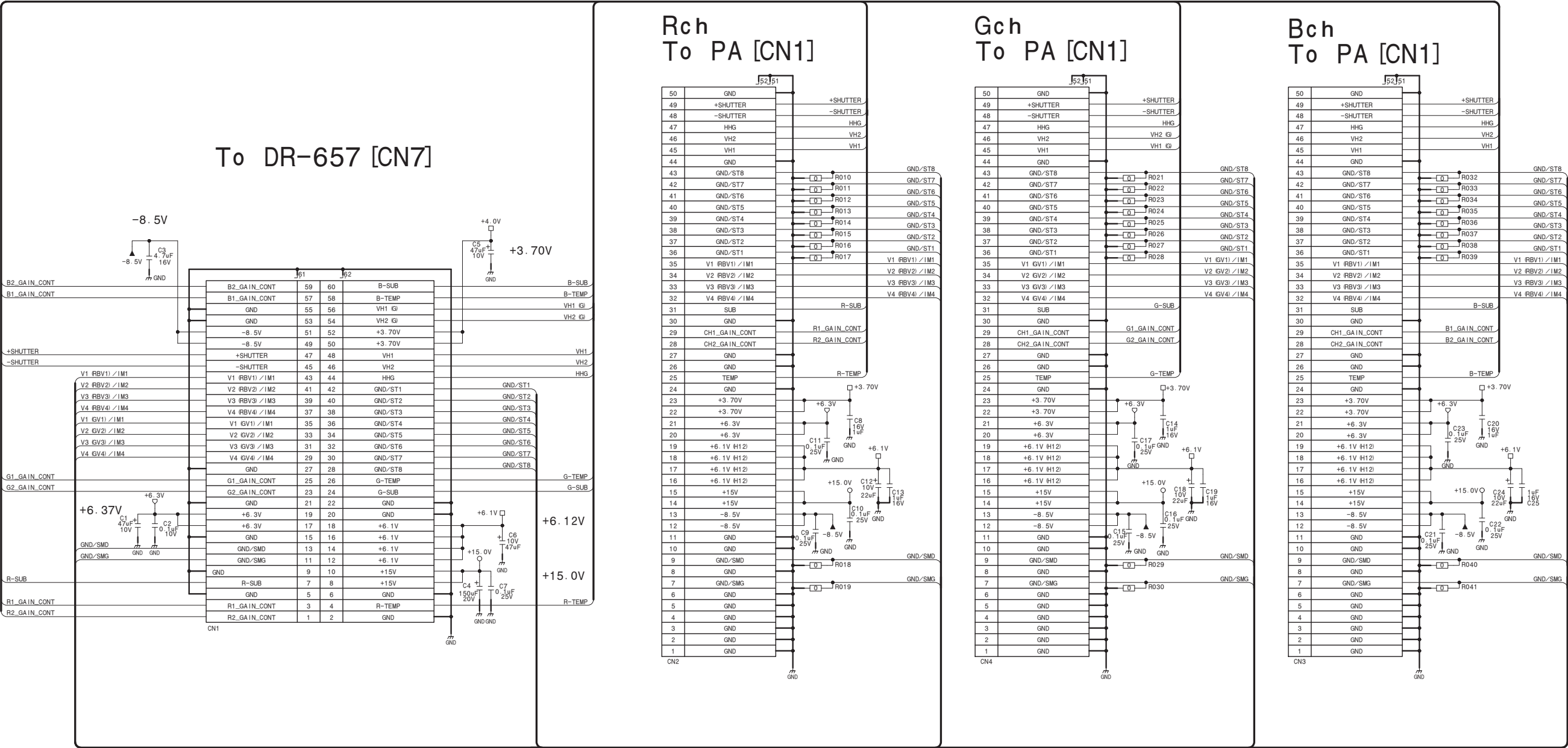
DR-657\_1



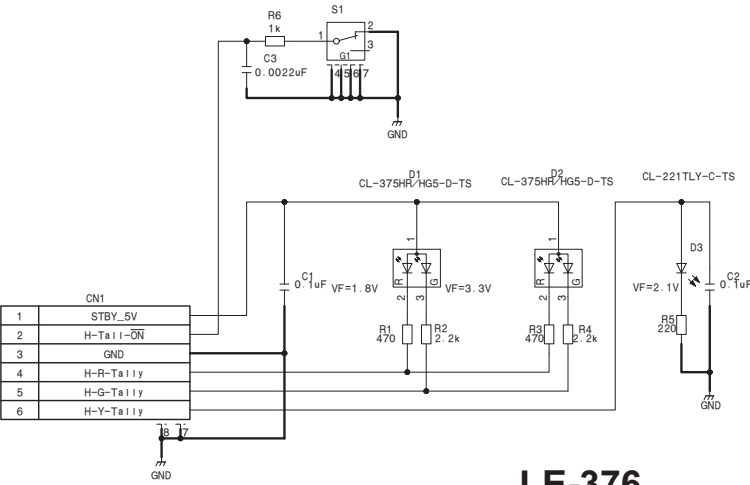




DR-663  
BOARD NO. 1-884-080-13  
DR-663\_1

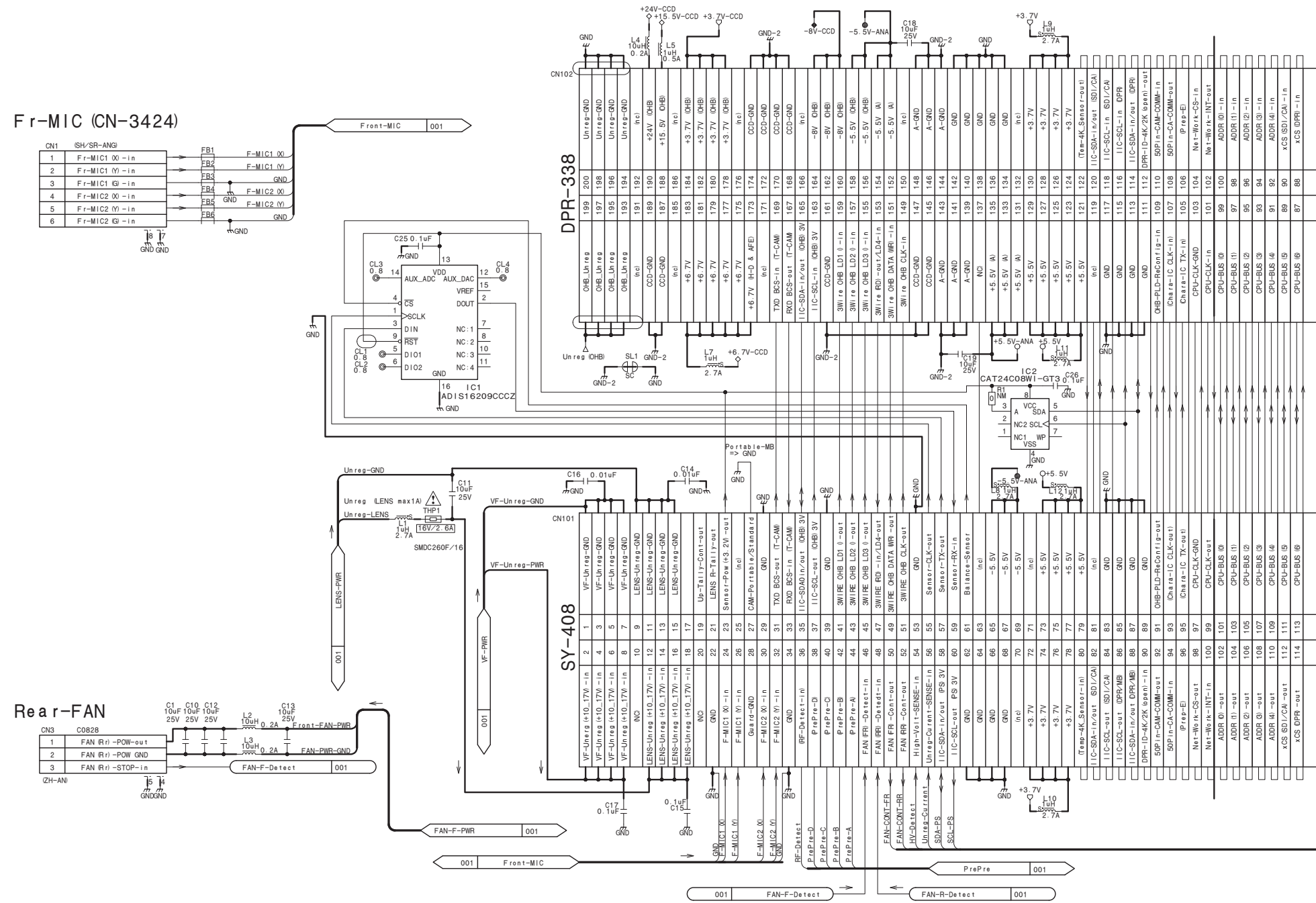


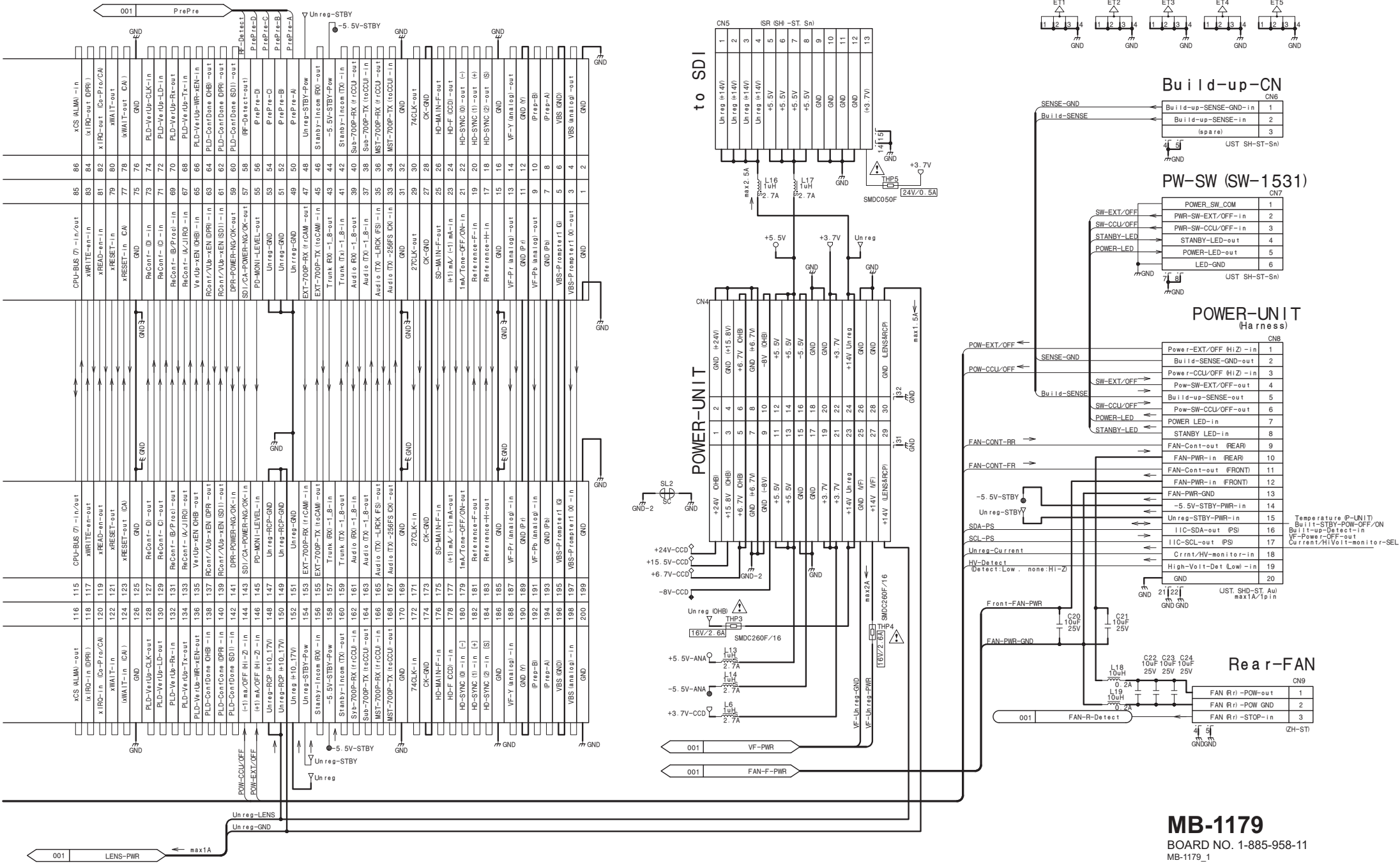
LE-376



LE-376  
BOARD NO. 1-885-942-11  
LE-376\_1

**MB-1179**  
**MB-1179\_L**



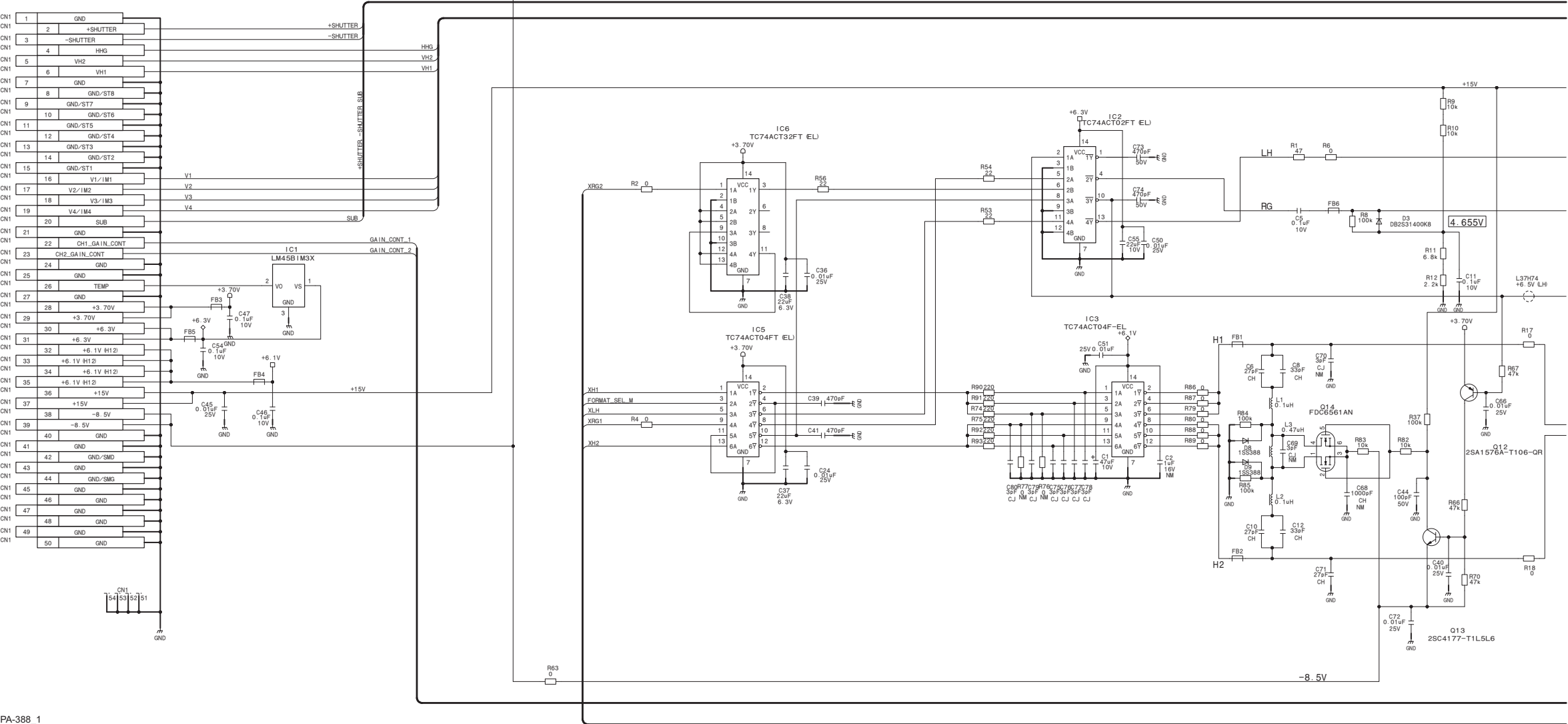


MB-1179

BOARD NO. 1-885-958-11  
MB-1179\_1

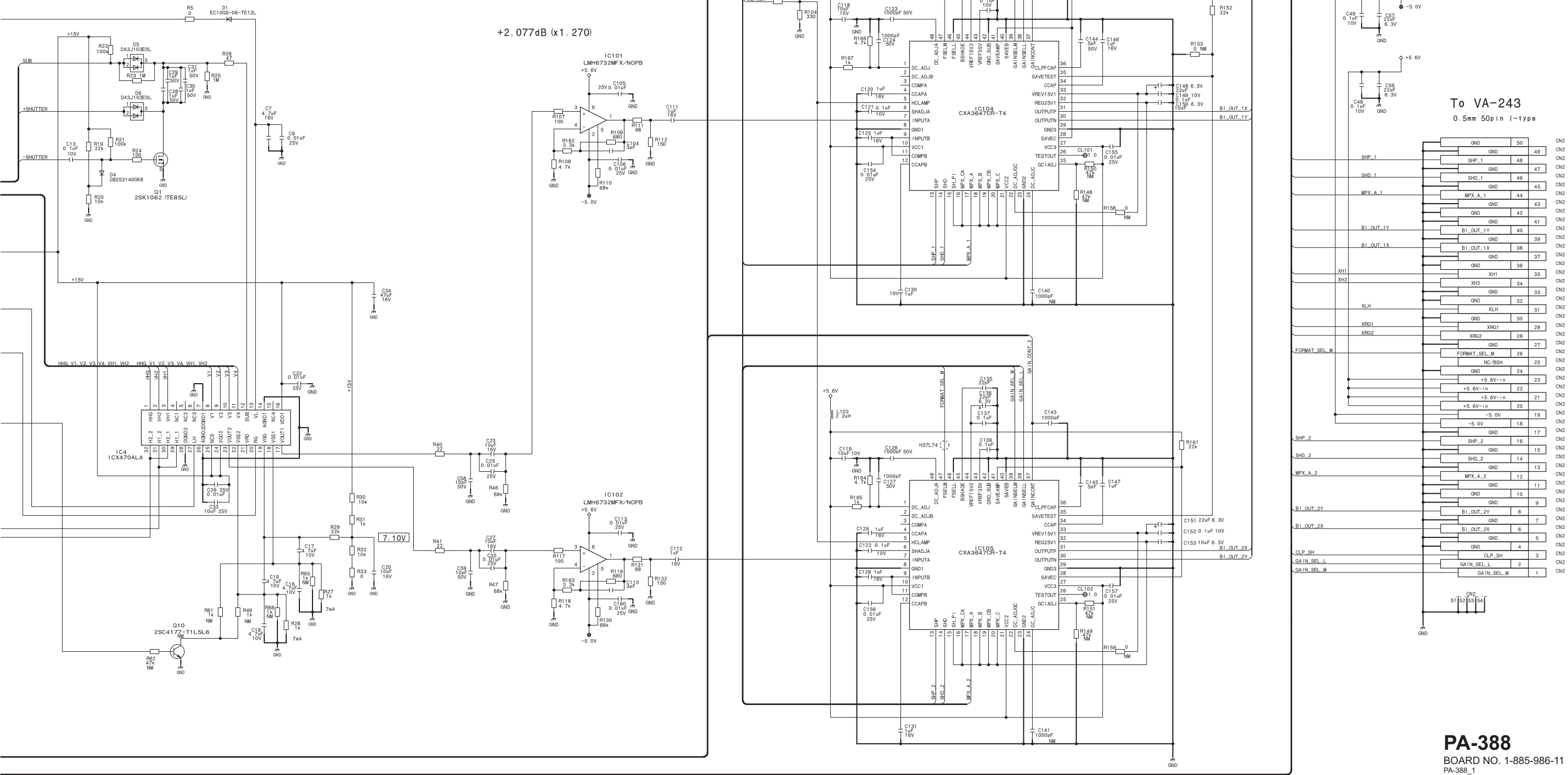
PA-388  
PA-388\_L

To IF-1168  
0.5mm 50pin l-type



PA-388\_1

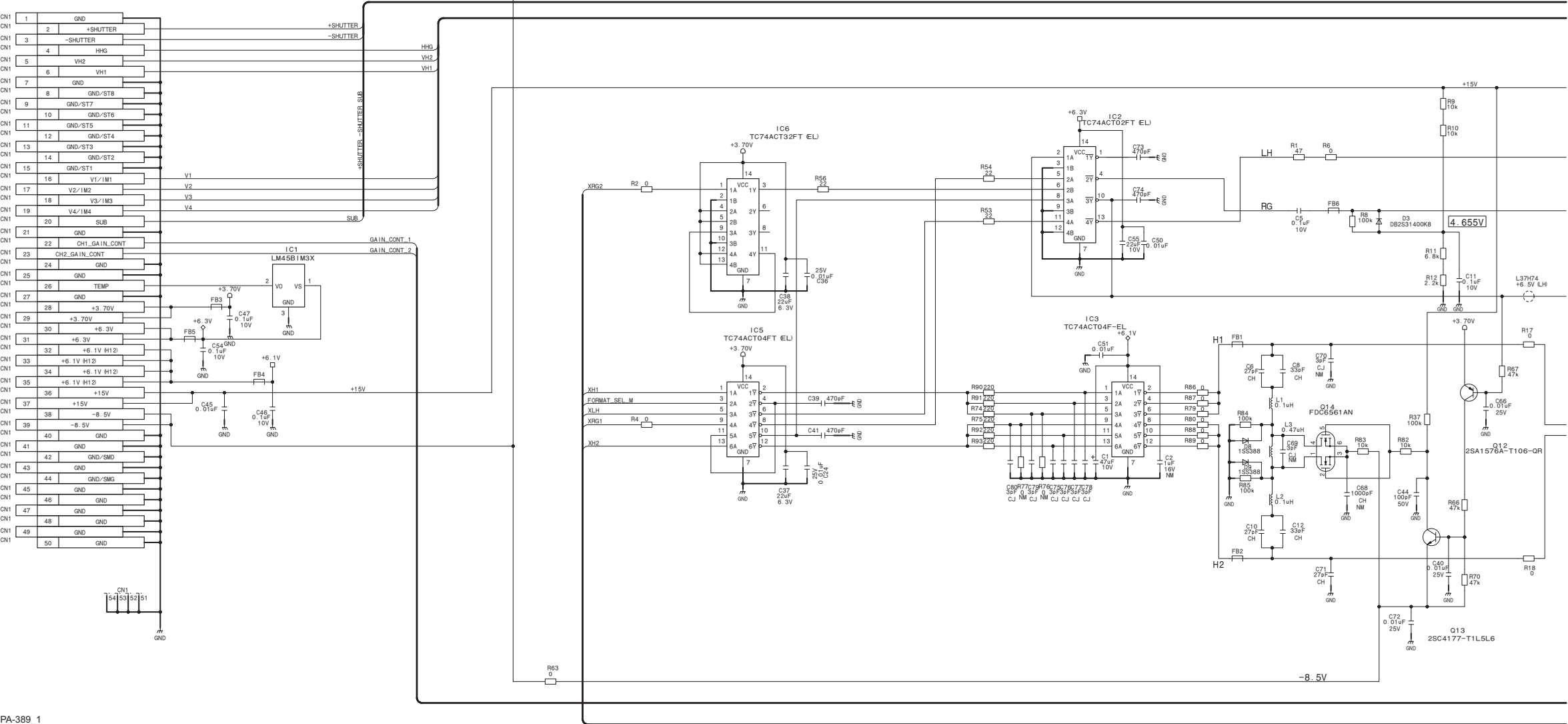




PA-388  
BOARD NO. 1-885-986-11  
PA-388\_1

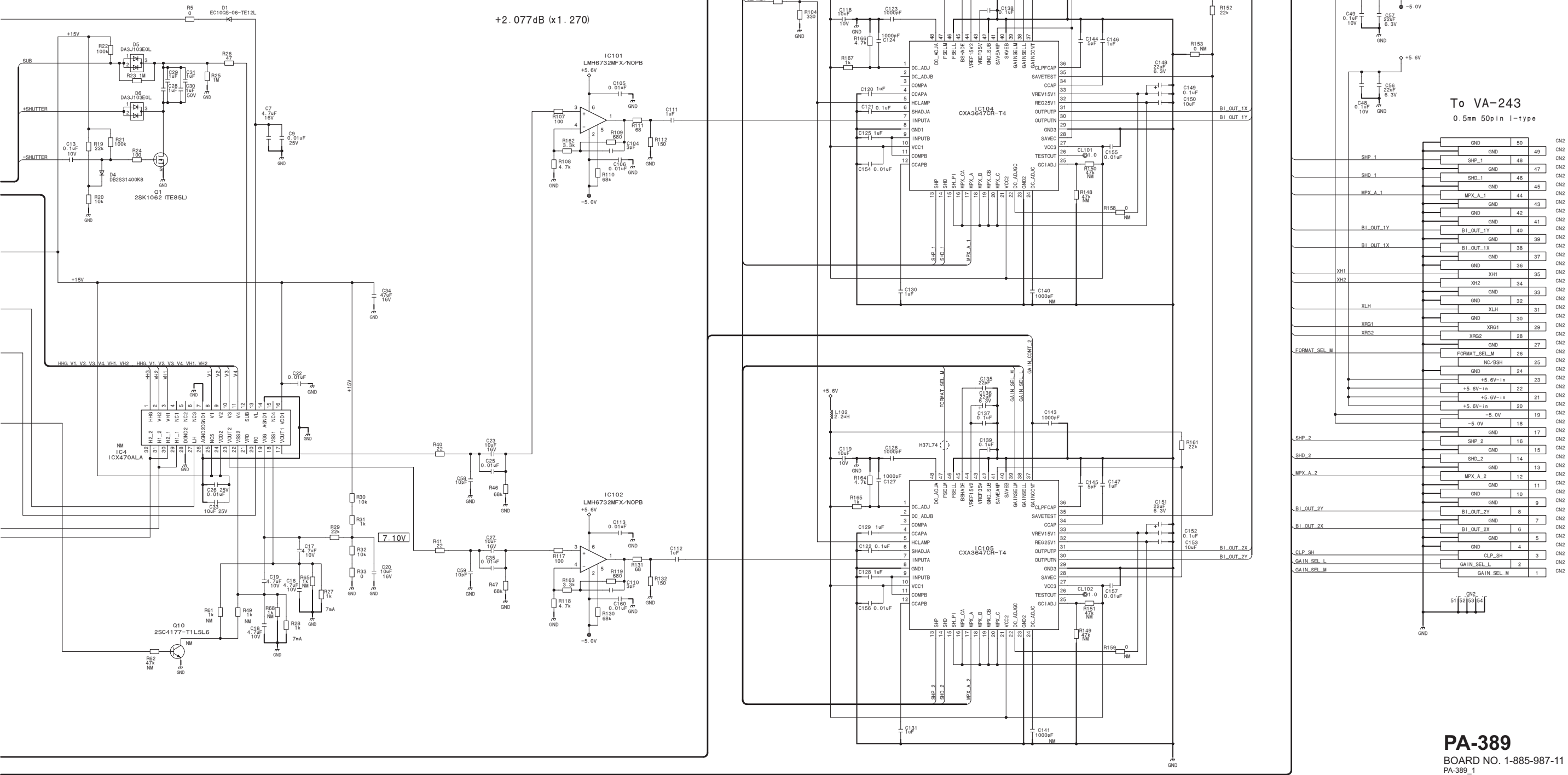
PA-389  
PA-389\_L

To IF-1168  
0.5mm 50pin l-type



PA-389\_1

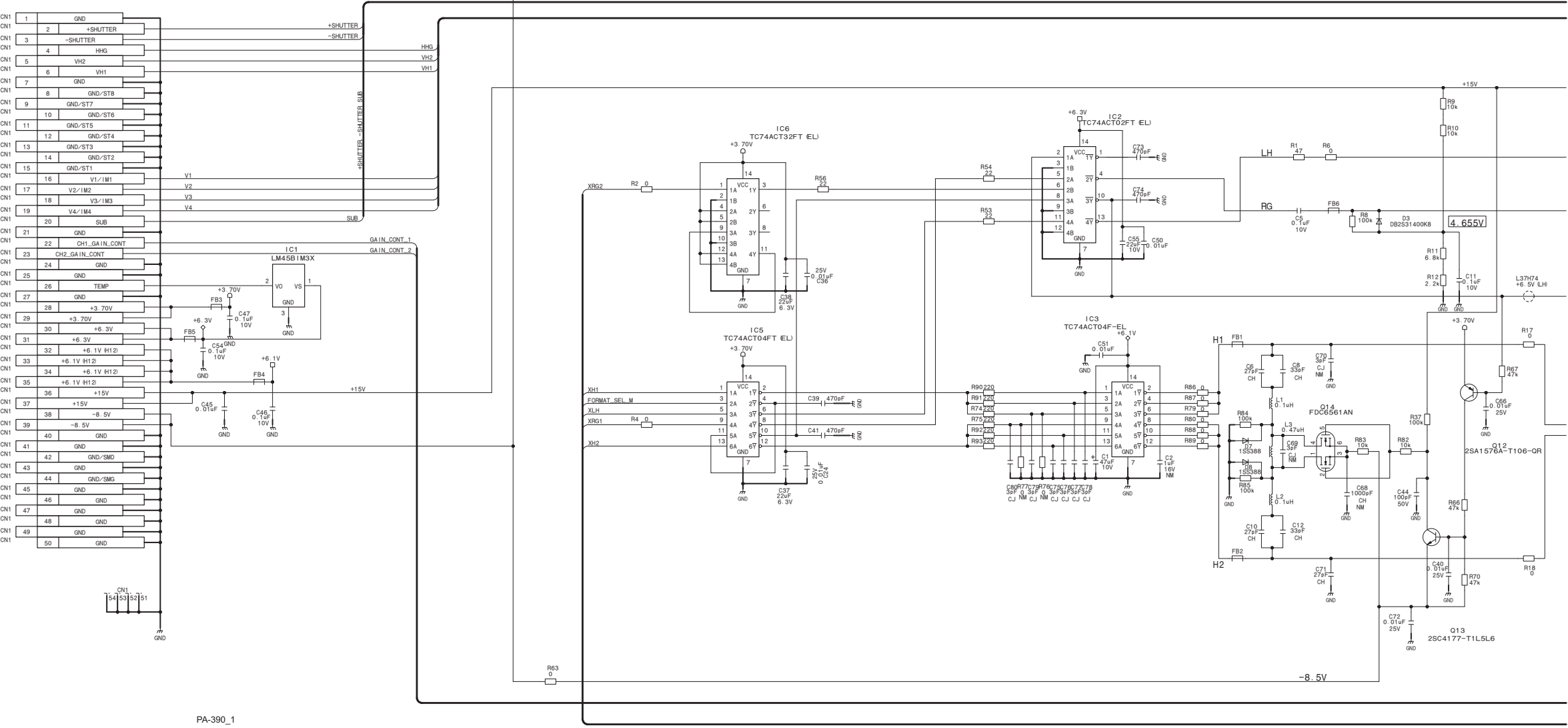




PA-389  
BOARD NO. 1-885-987-11  
PA-389\_1

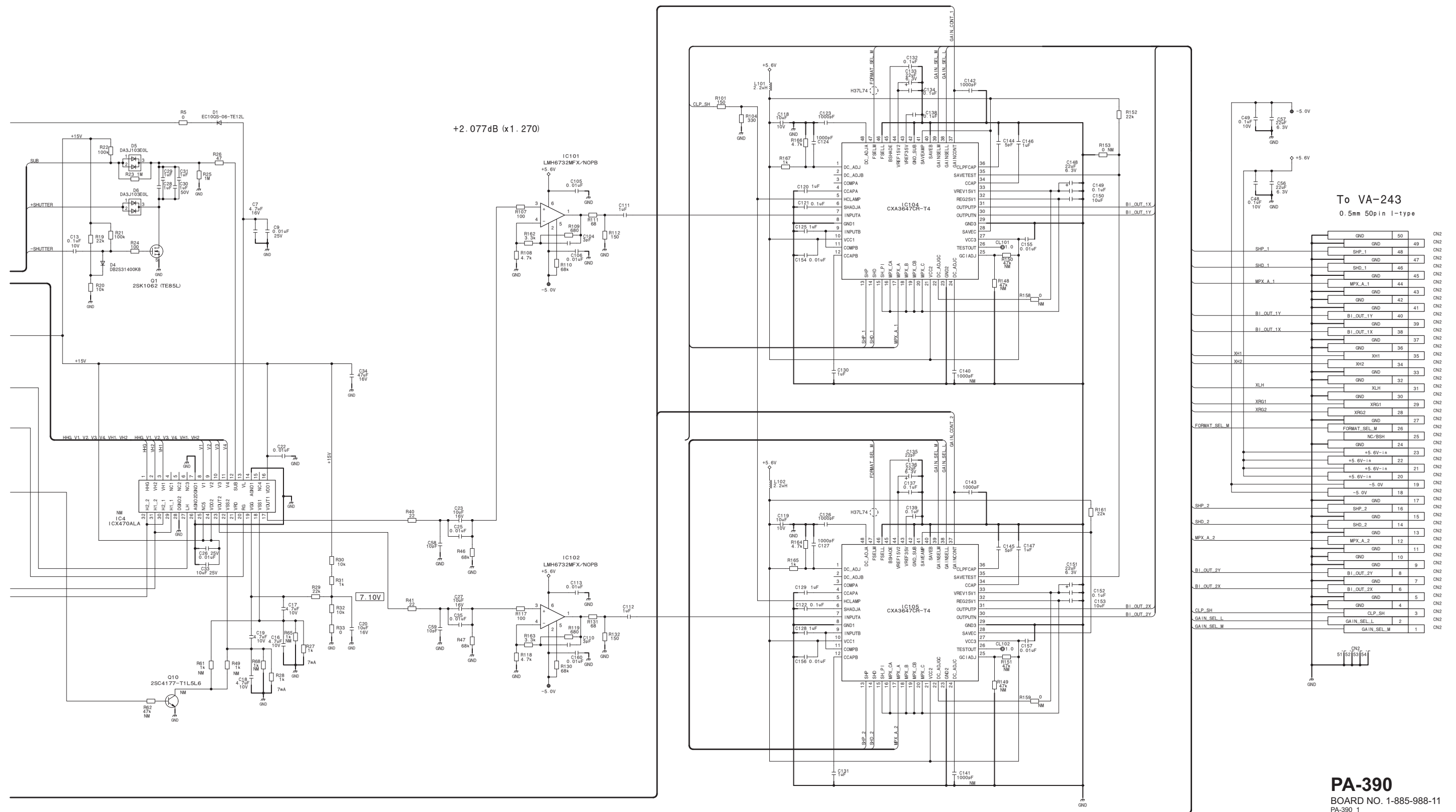
PA-390  
PA-390\_L

To IF-1168  
0.5mm 50pin l-type

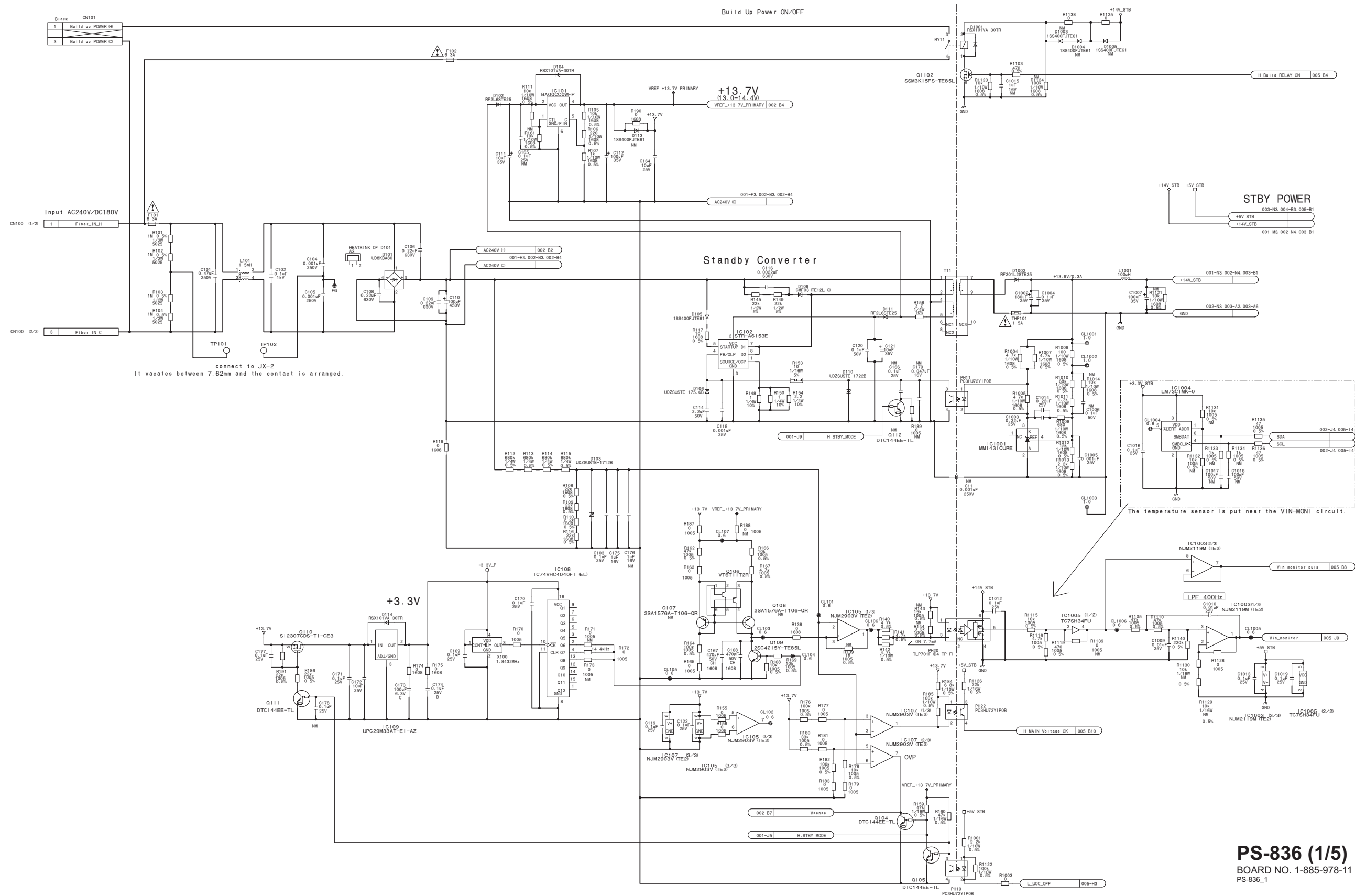


PA-390\_1

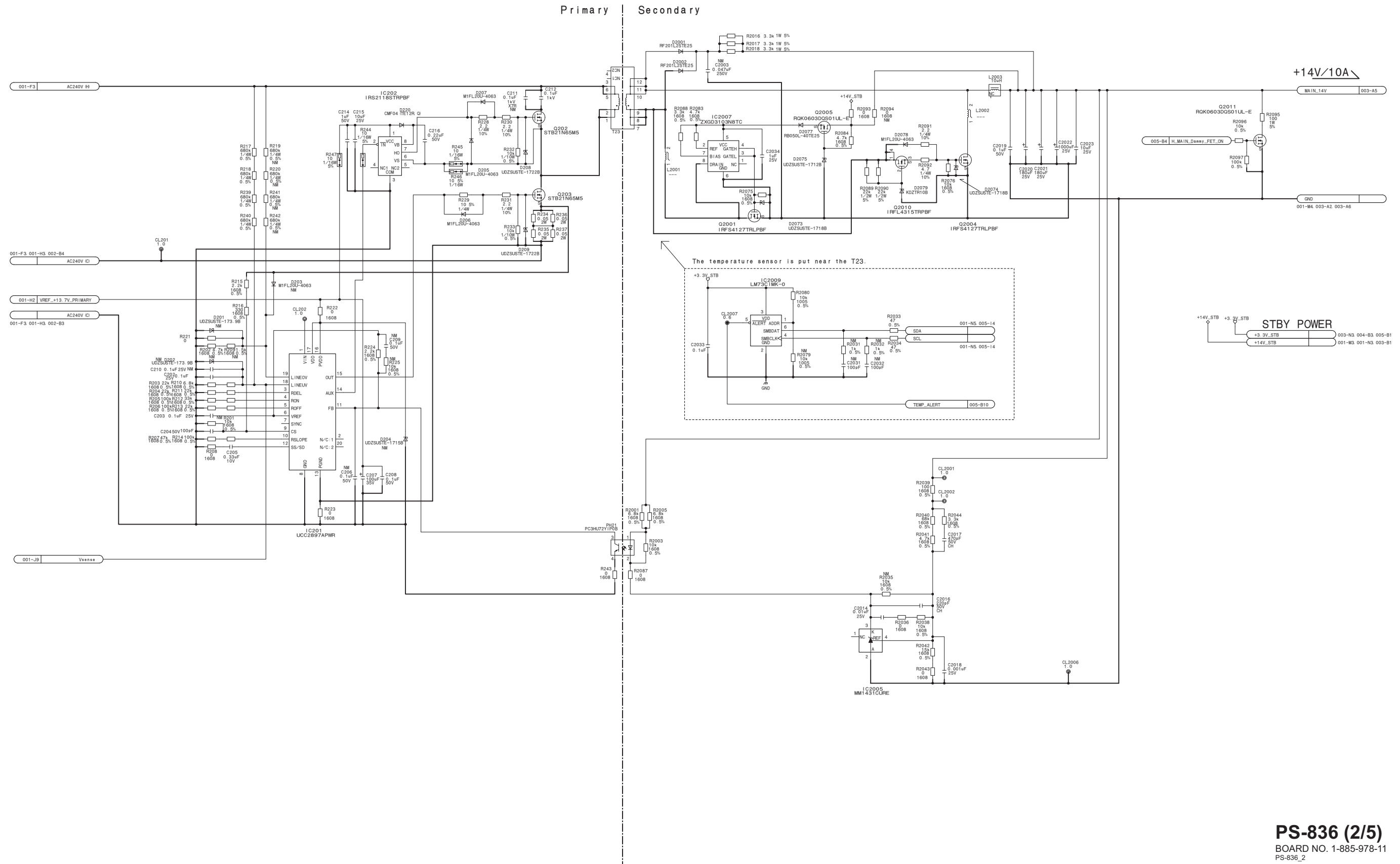
## PA-390\_R



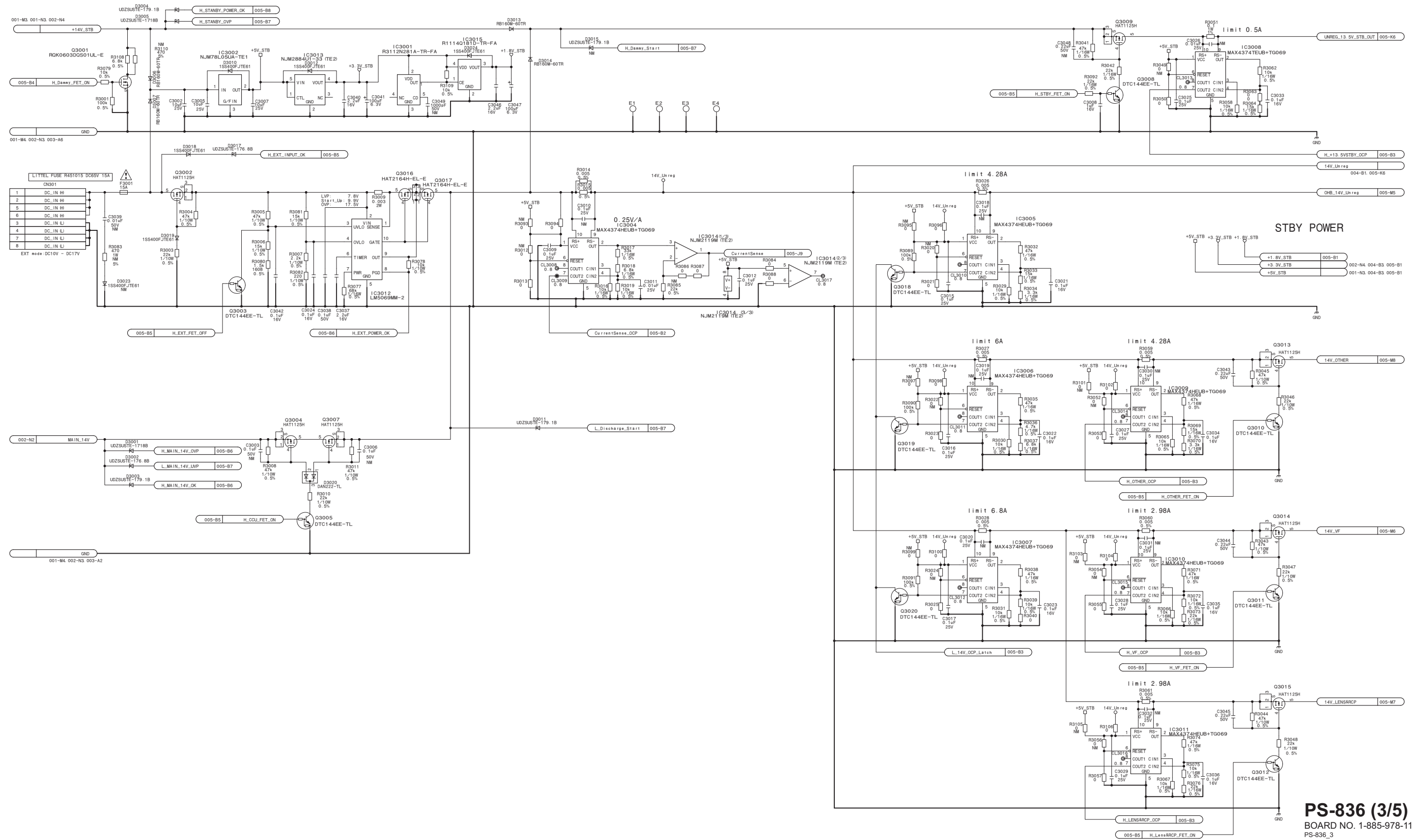
**PS-836**  
**PS-836 (1/5)**



## PS-836 (2/5)

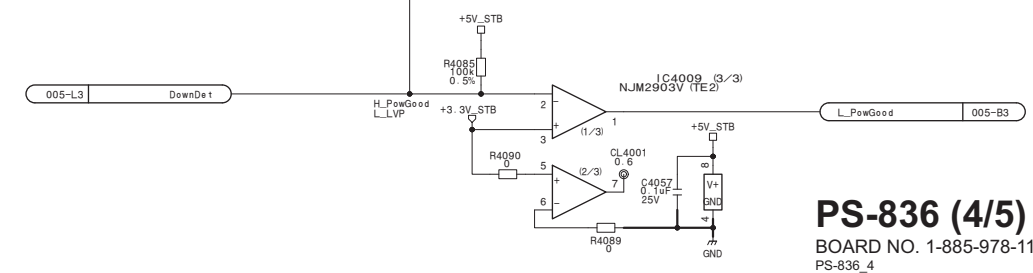
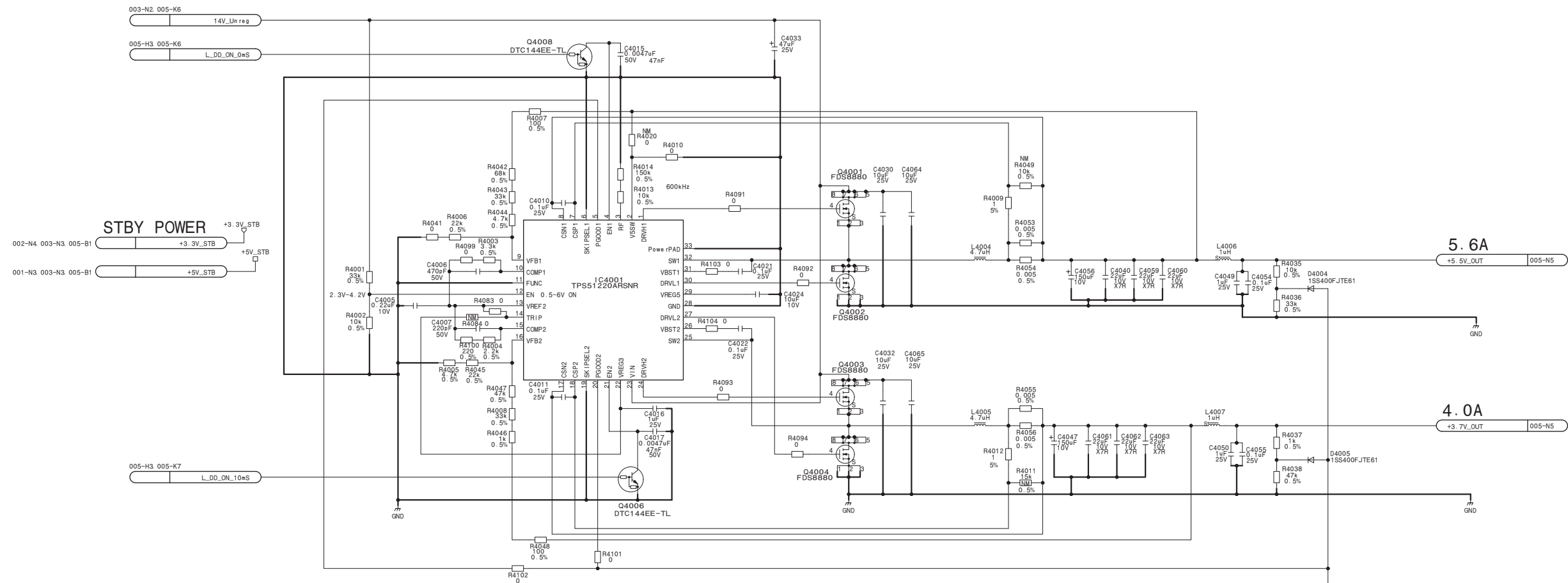


**PS-836 (3/5)**





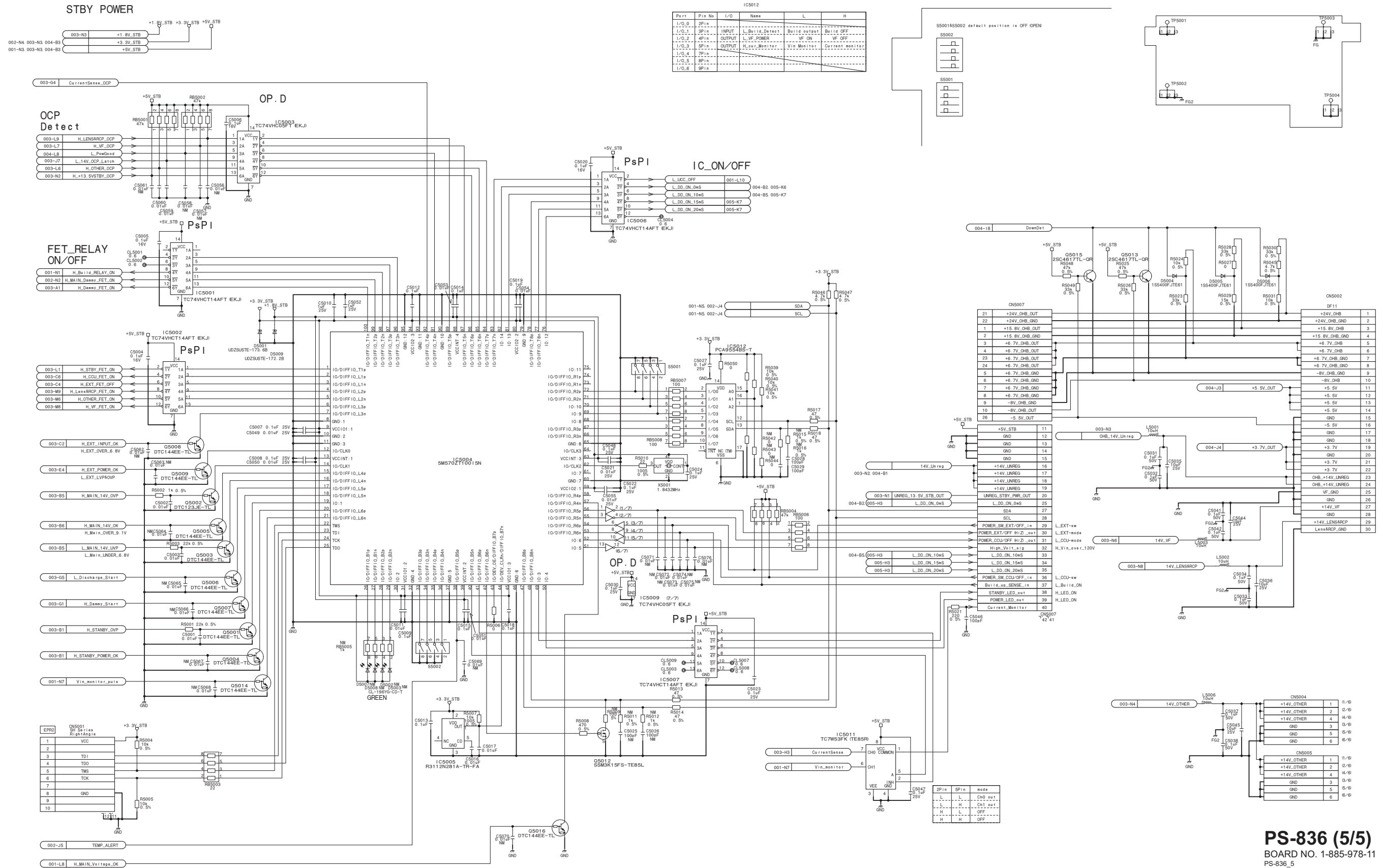
## PS-836 (4/5)



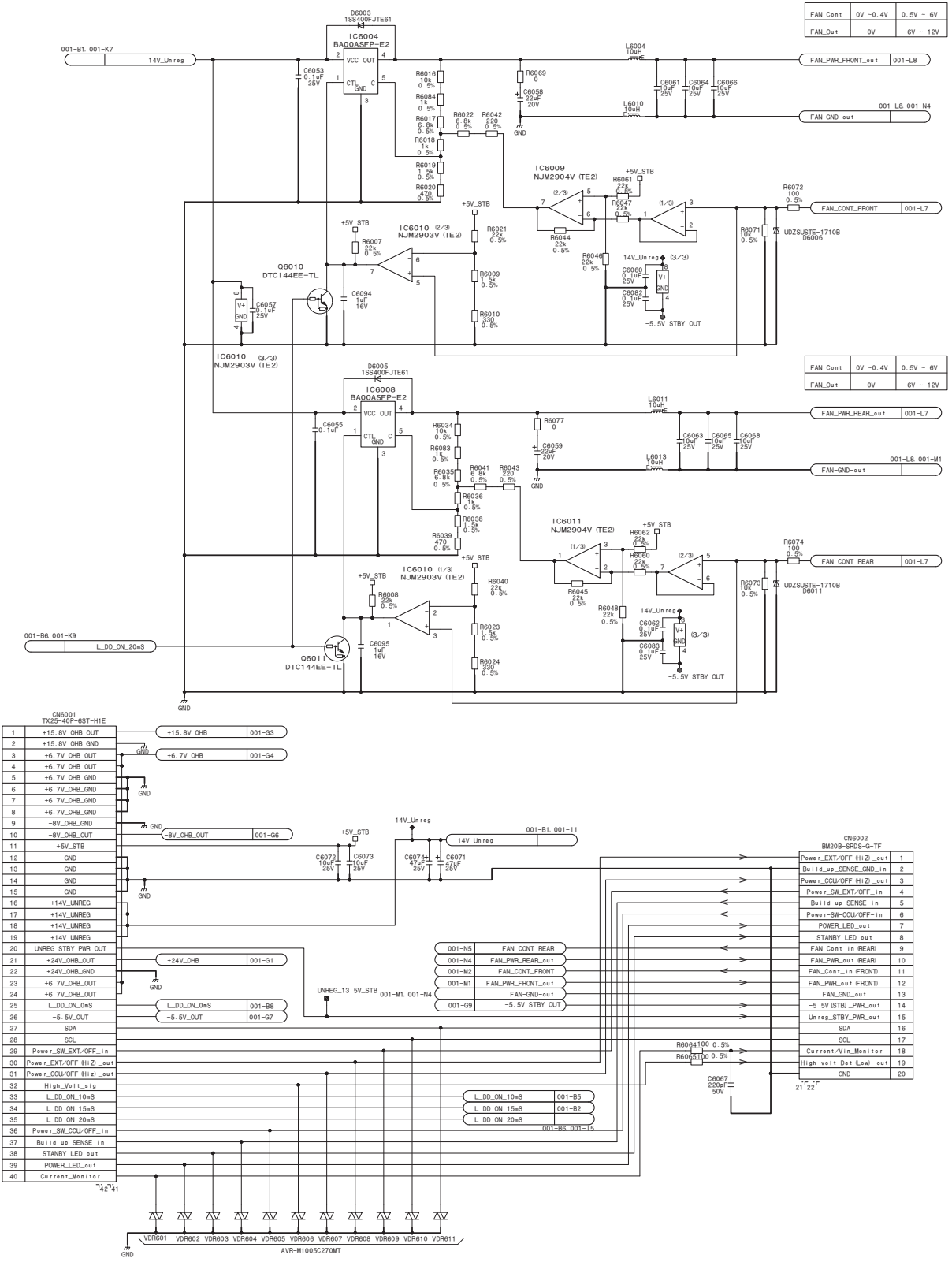
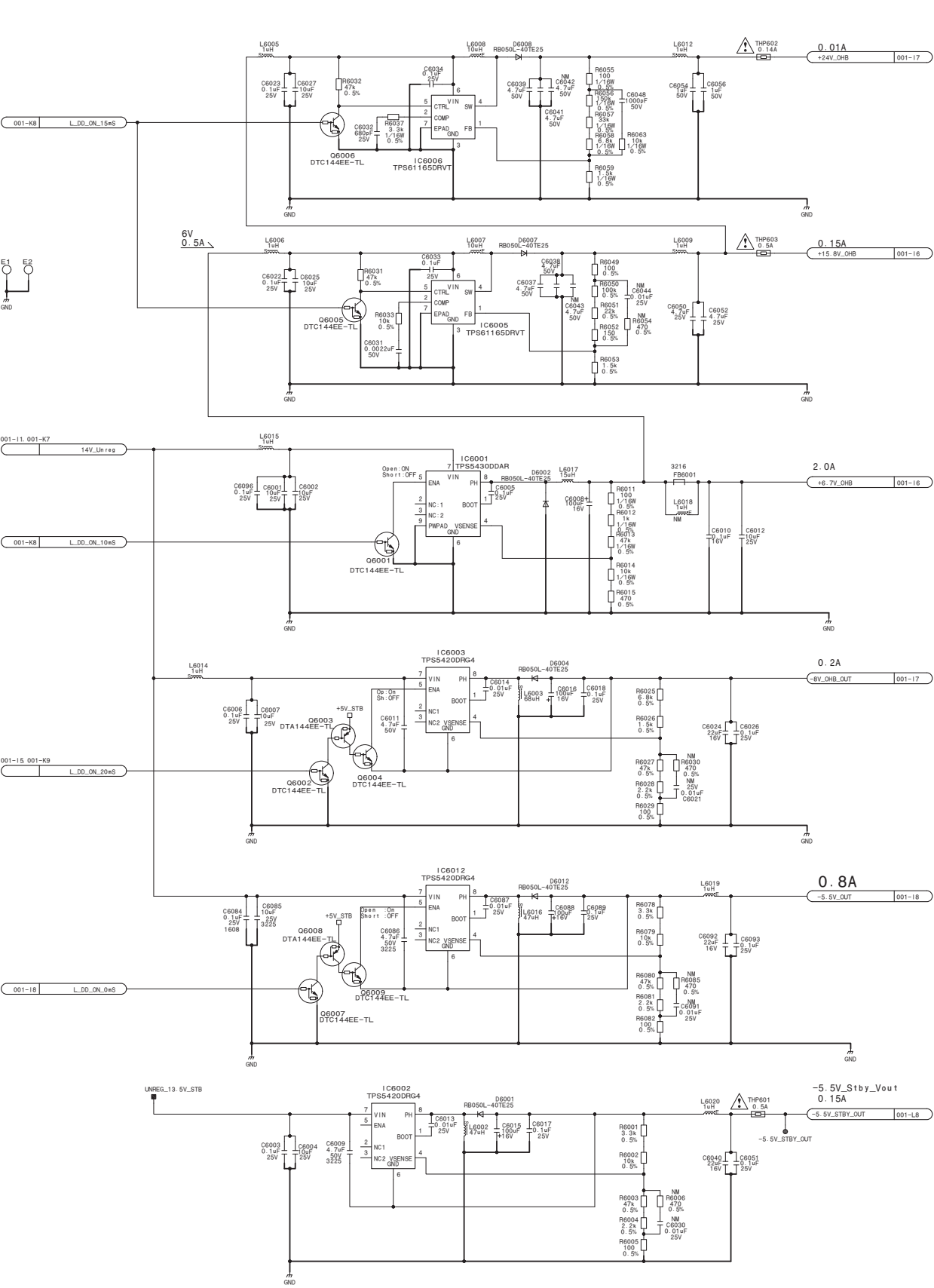
**PS-836 (4/5)**  
BOARD NO. 1-885-978-11  
PS-836\_4



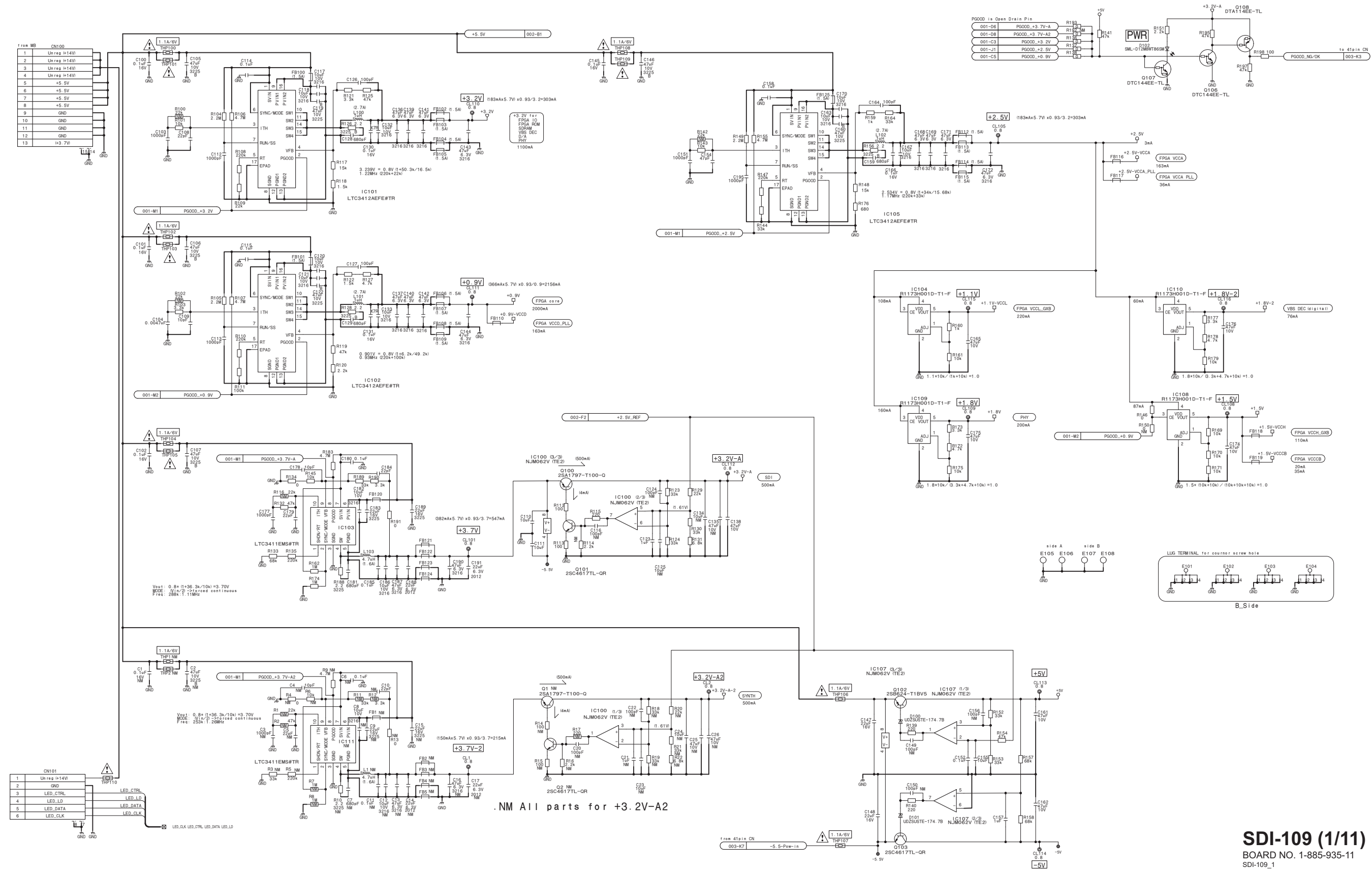
## PS-836 (5/5)



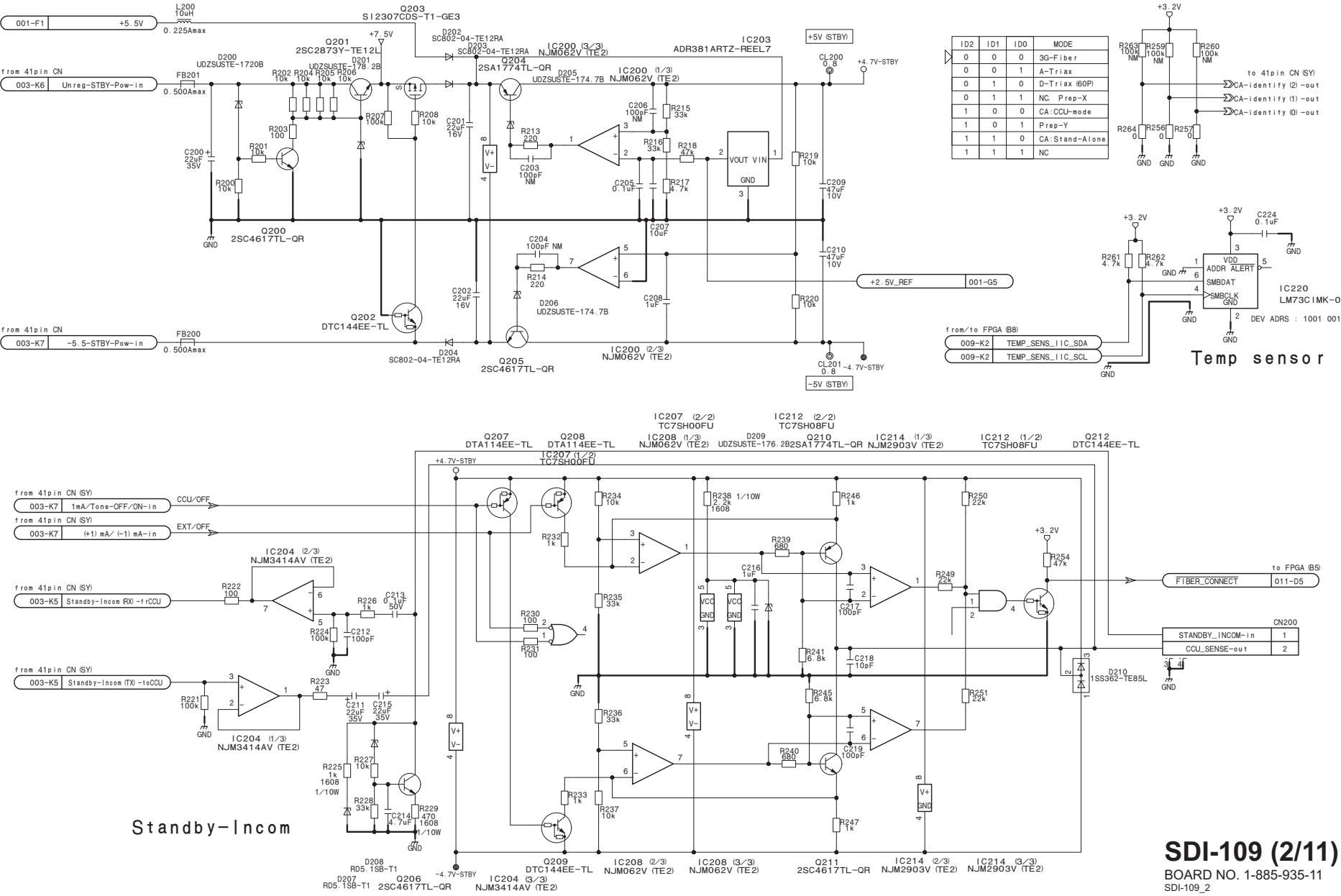




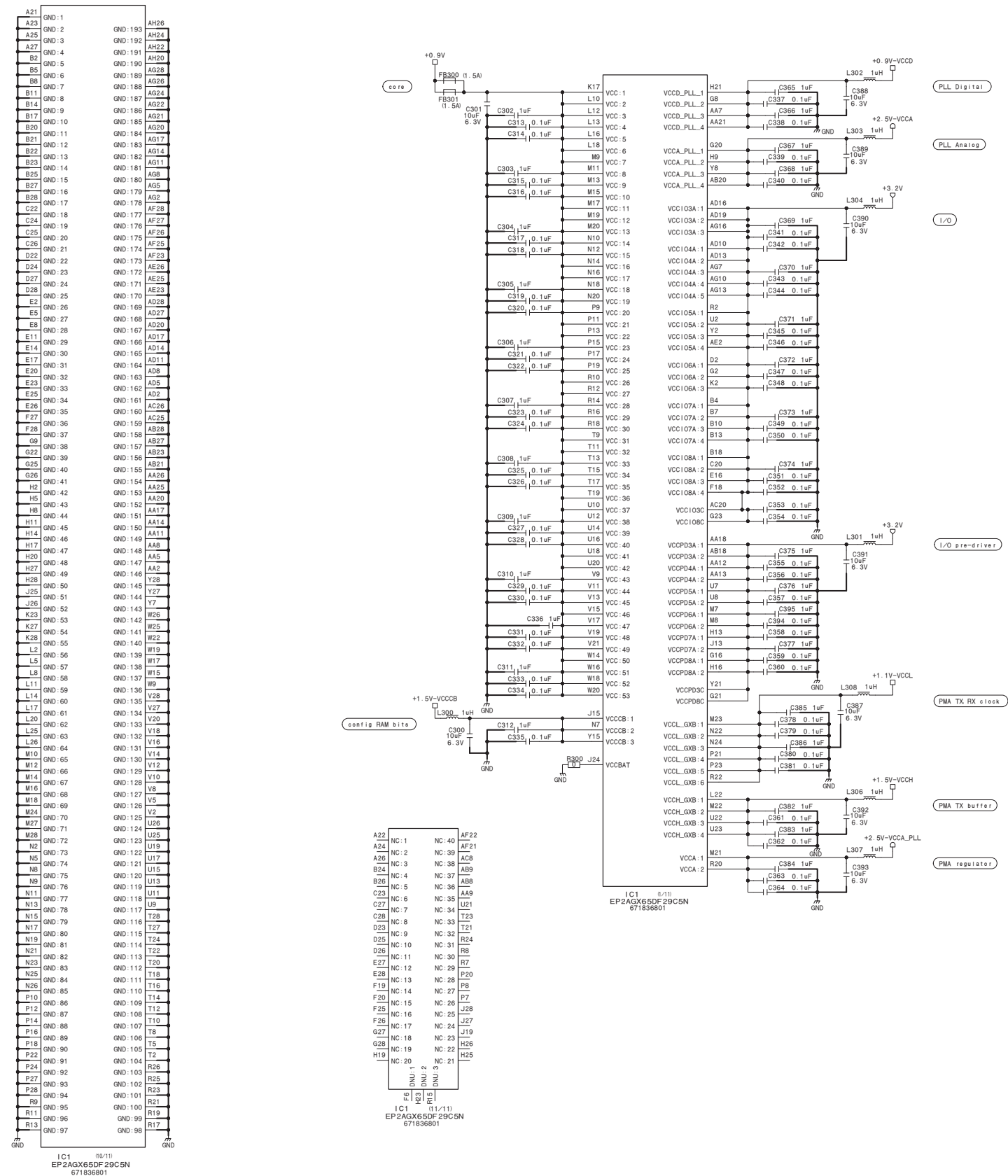
RE-291  
BOARD NO. 1-885-979-11  
RE-291\_1

SDI-109  
SDI-109 (1/11)

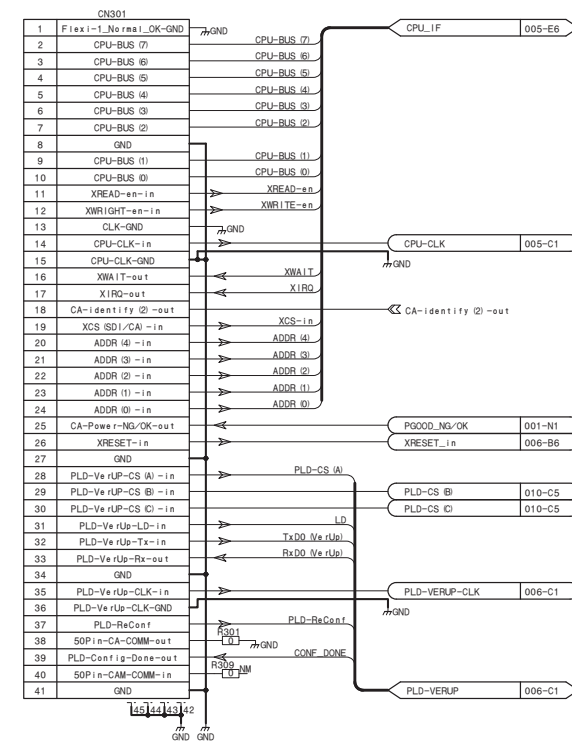
SDI-109 (2/11)



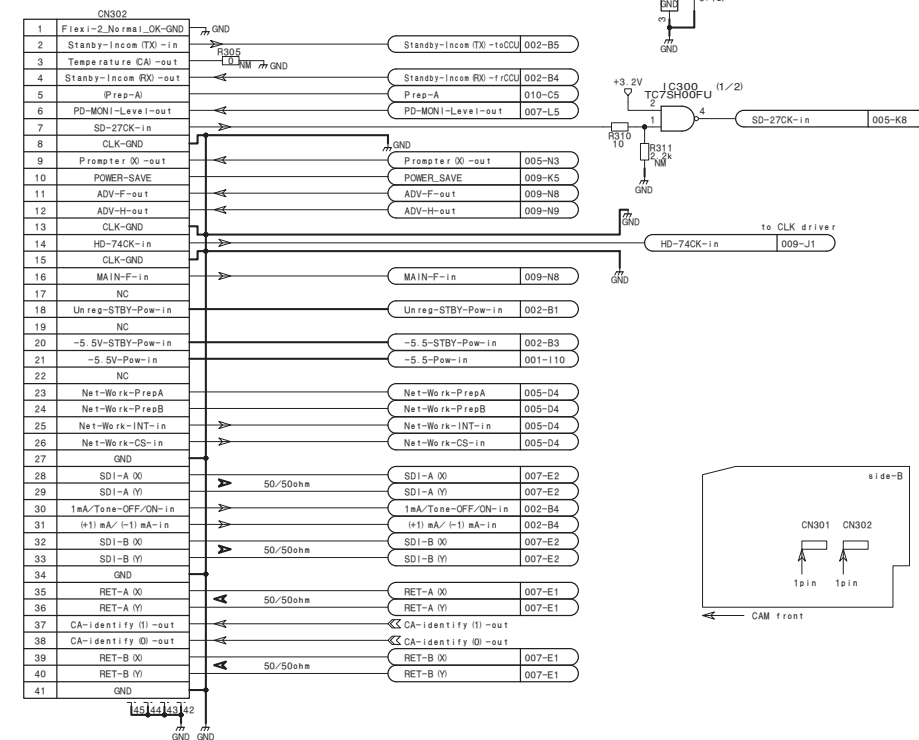
## SDI-109 (3/11)



CN301 (f r o n t)



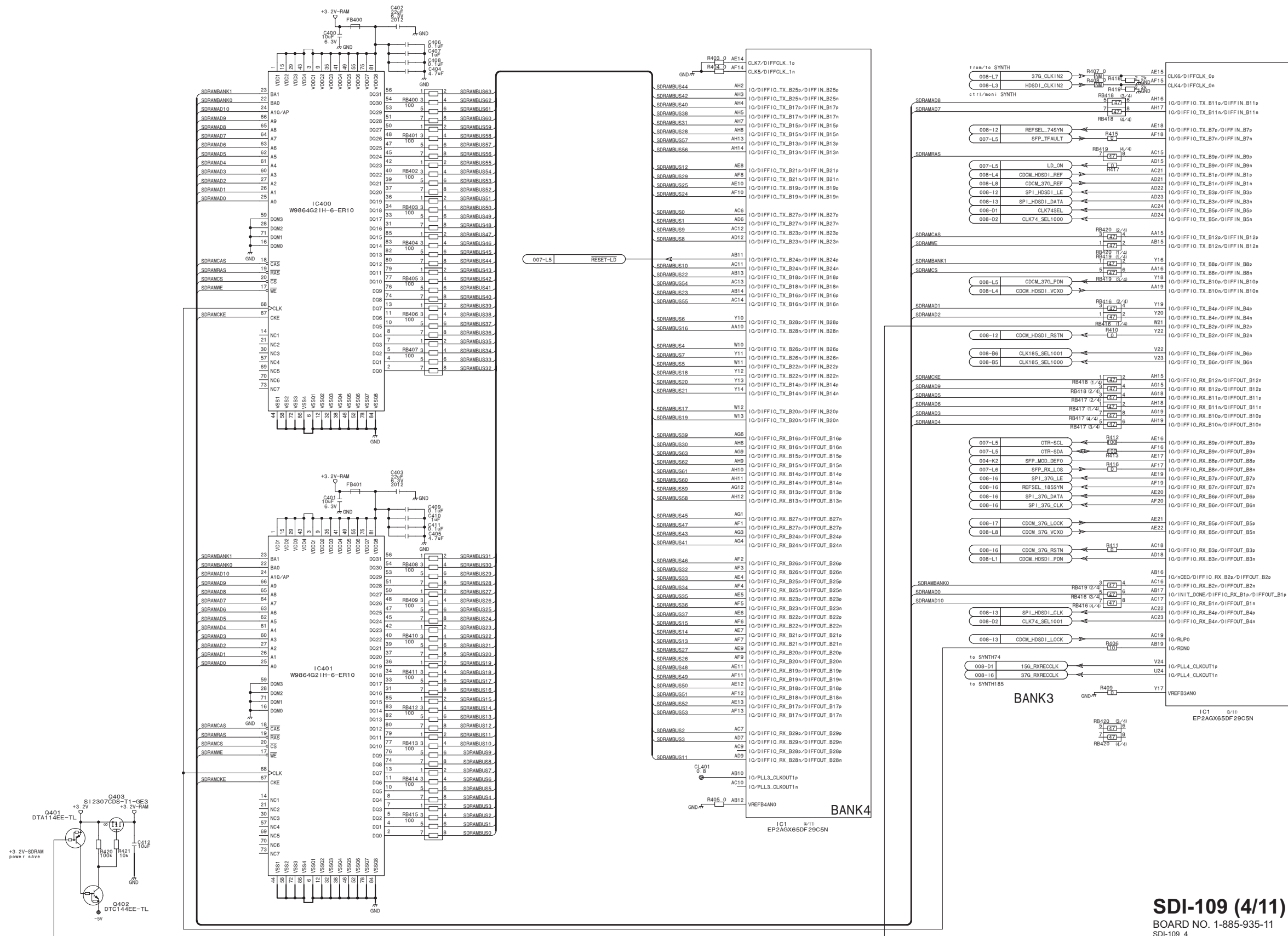
## CN302 (rear)



## SDI-109 (3/11)

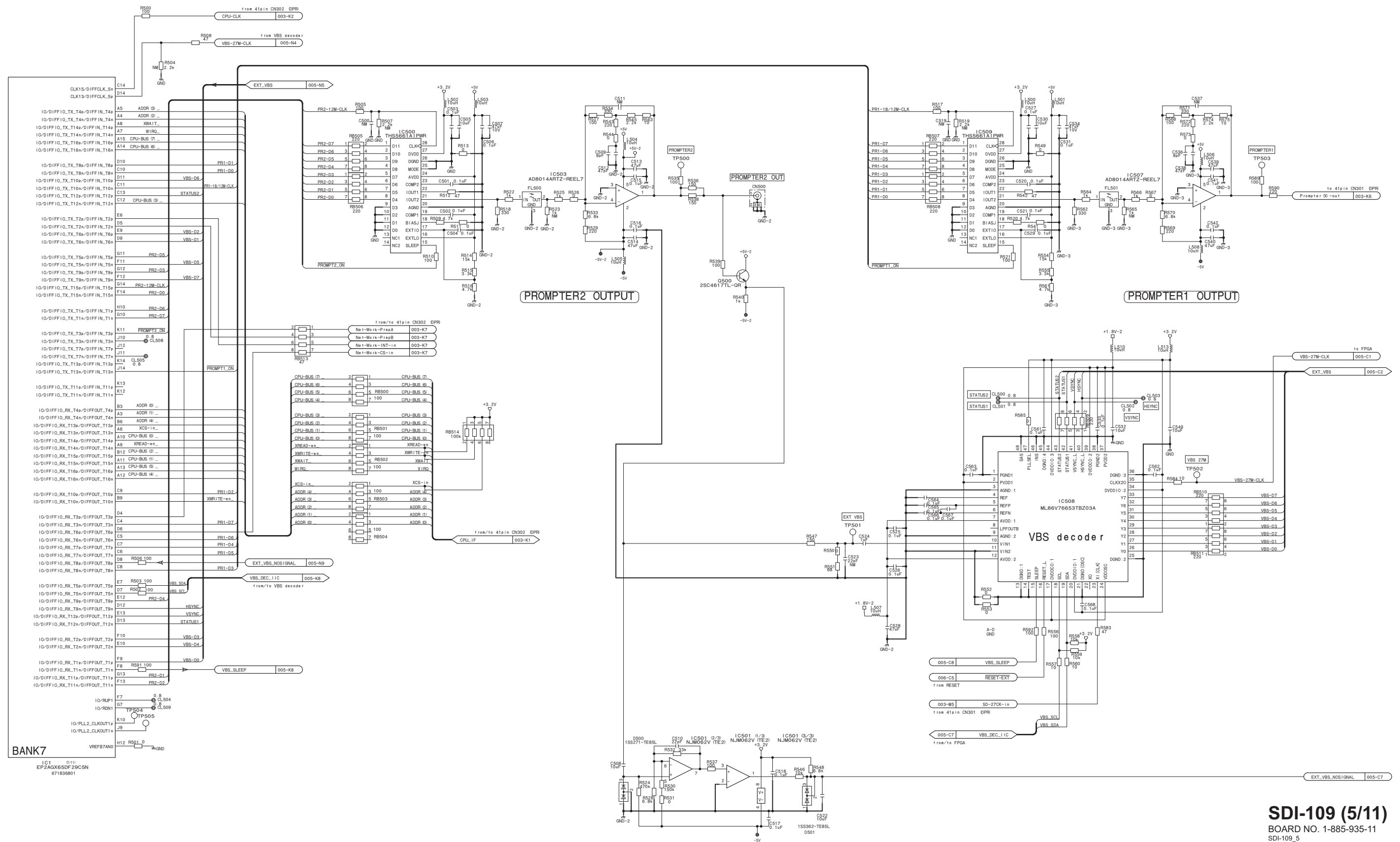
BOARD NO. 1-885-935-11  
SDI-109\_3

## SDI-109 (4/11)

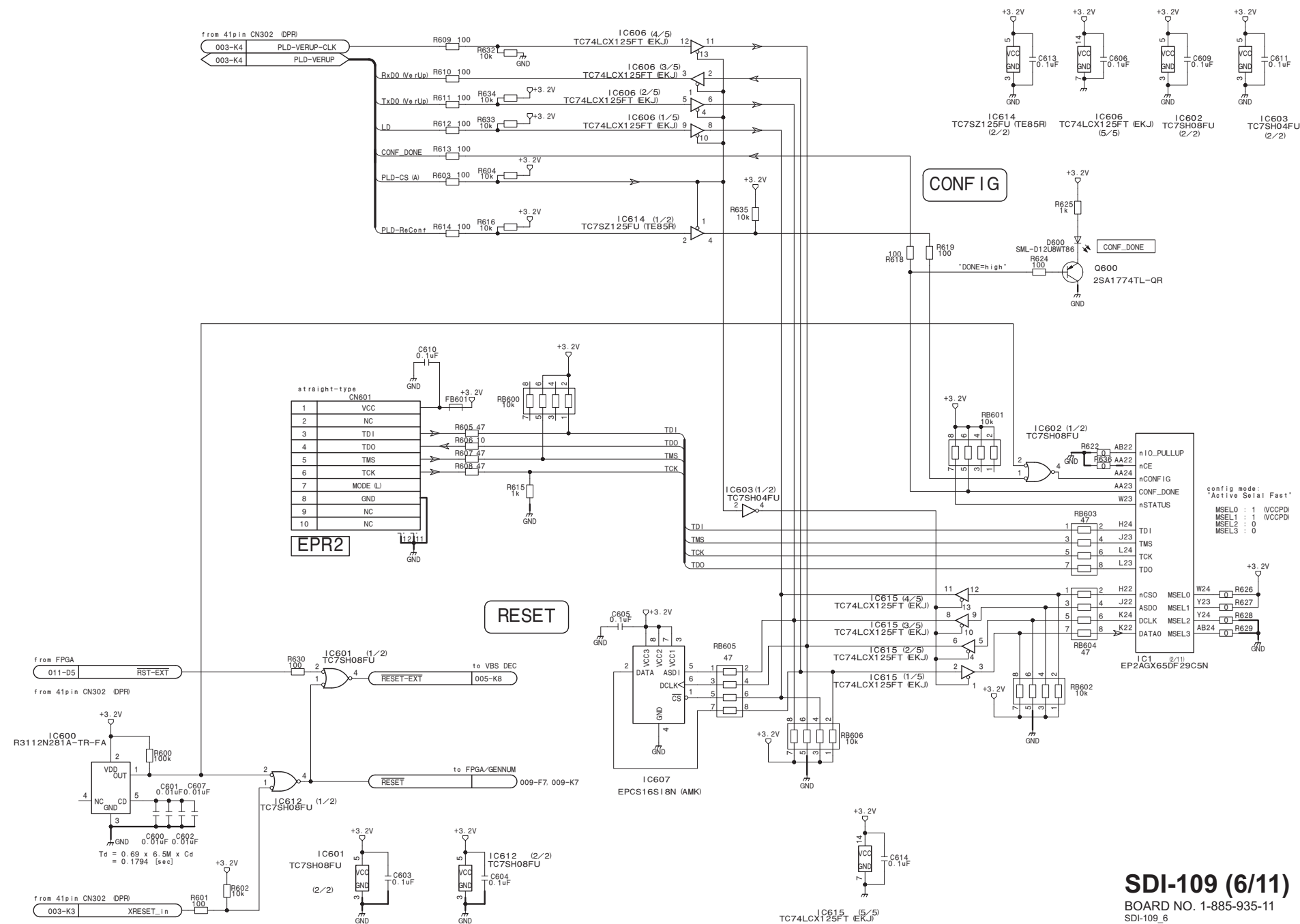




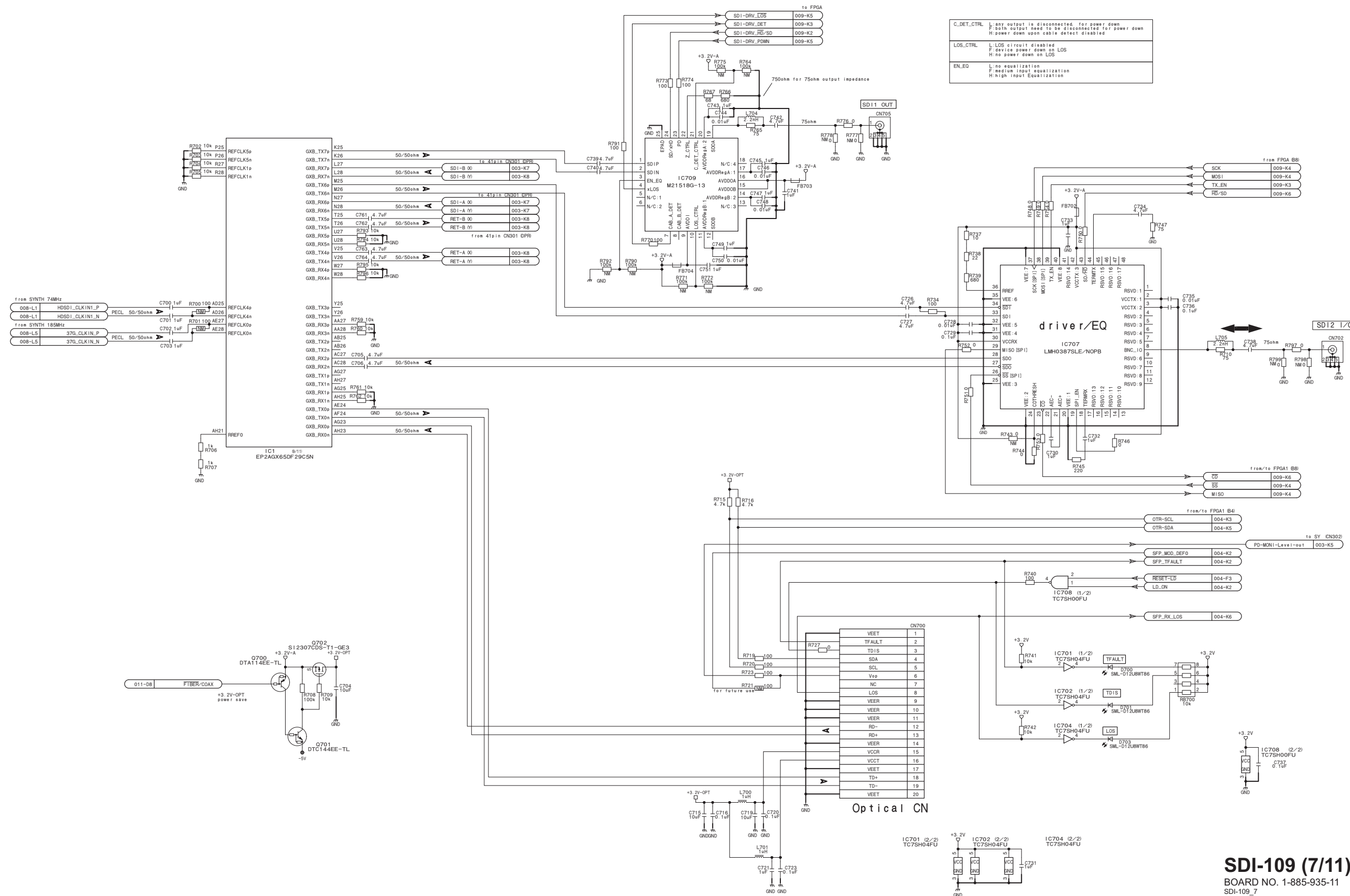
## SDI-109 (5/11)



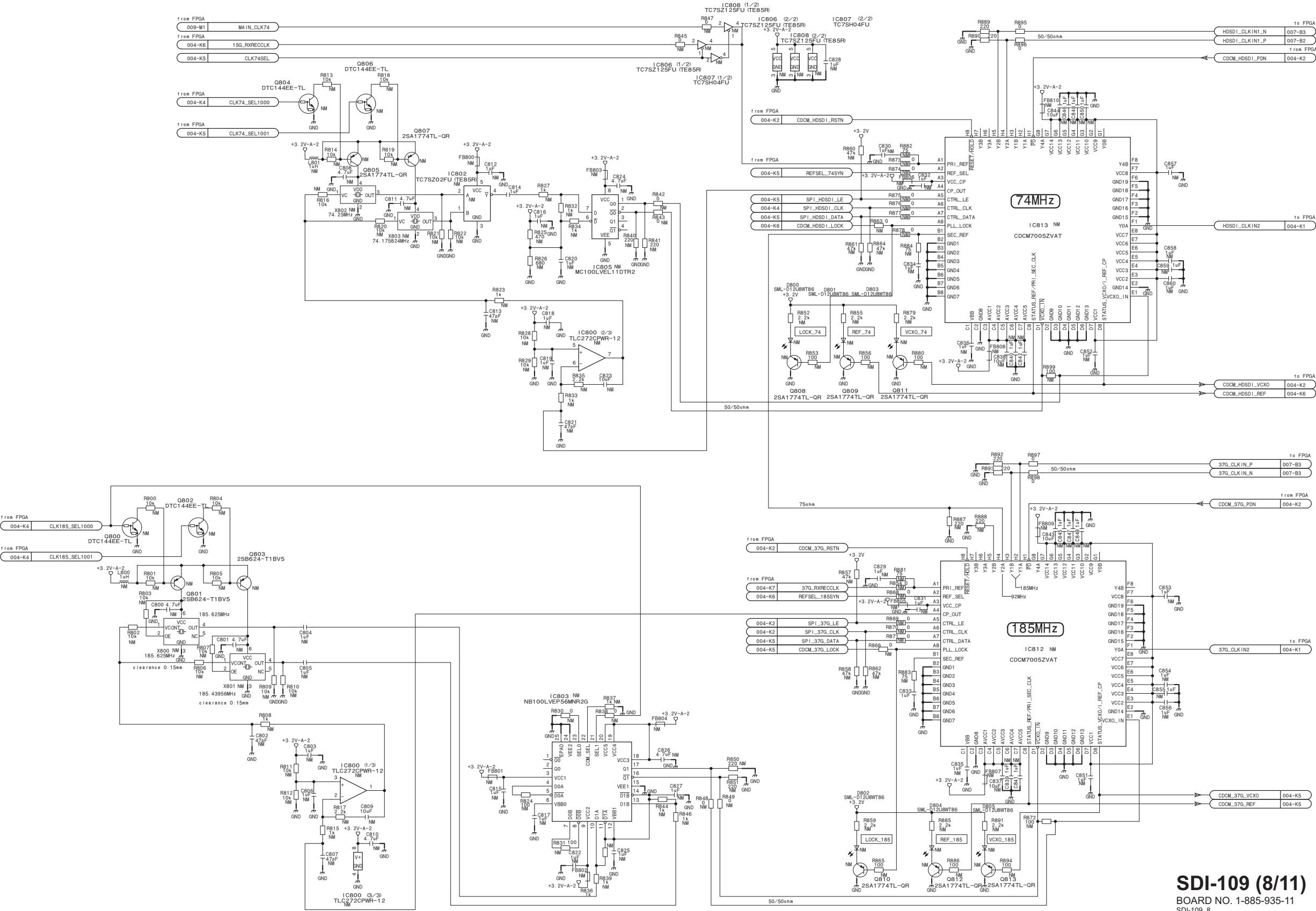
## SDI-109 (6/11)



## SDI-109 (7/11)

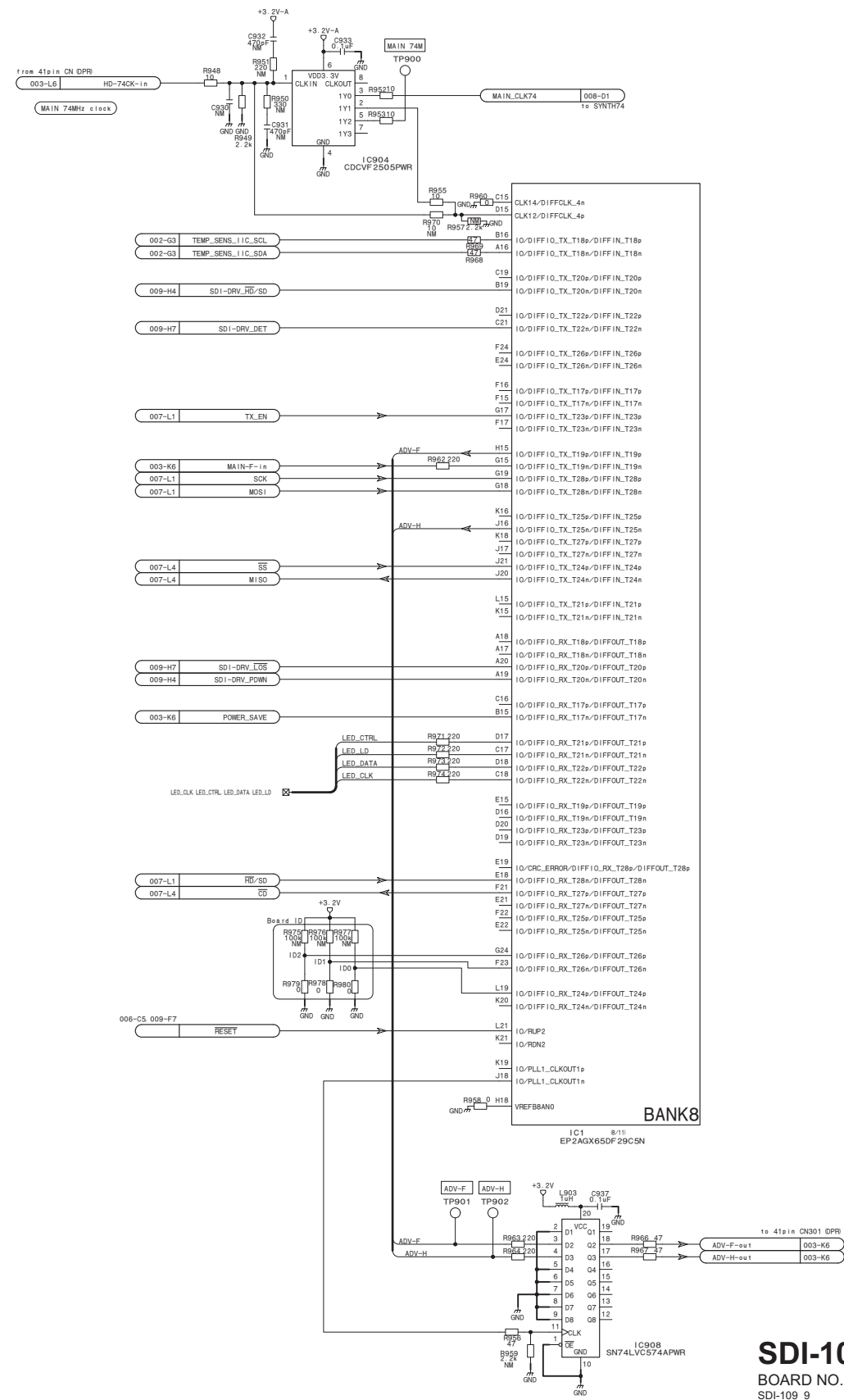






SDI-109 (8/11)  
BOARD NO. 1-885-935-11  
SDI-109\_8

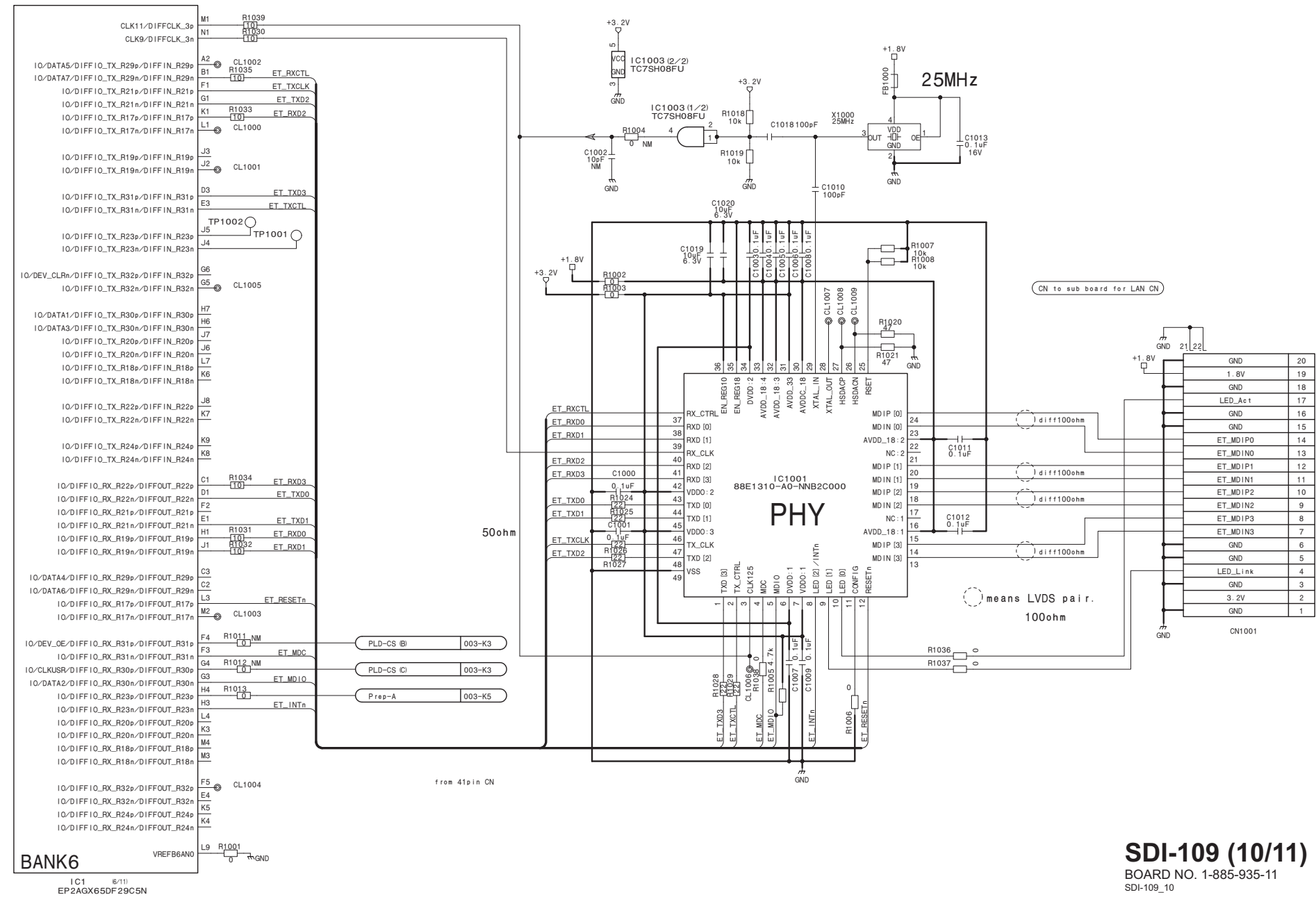
## SDI-109 (9/11)

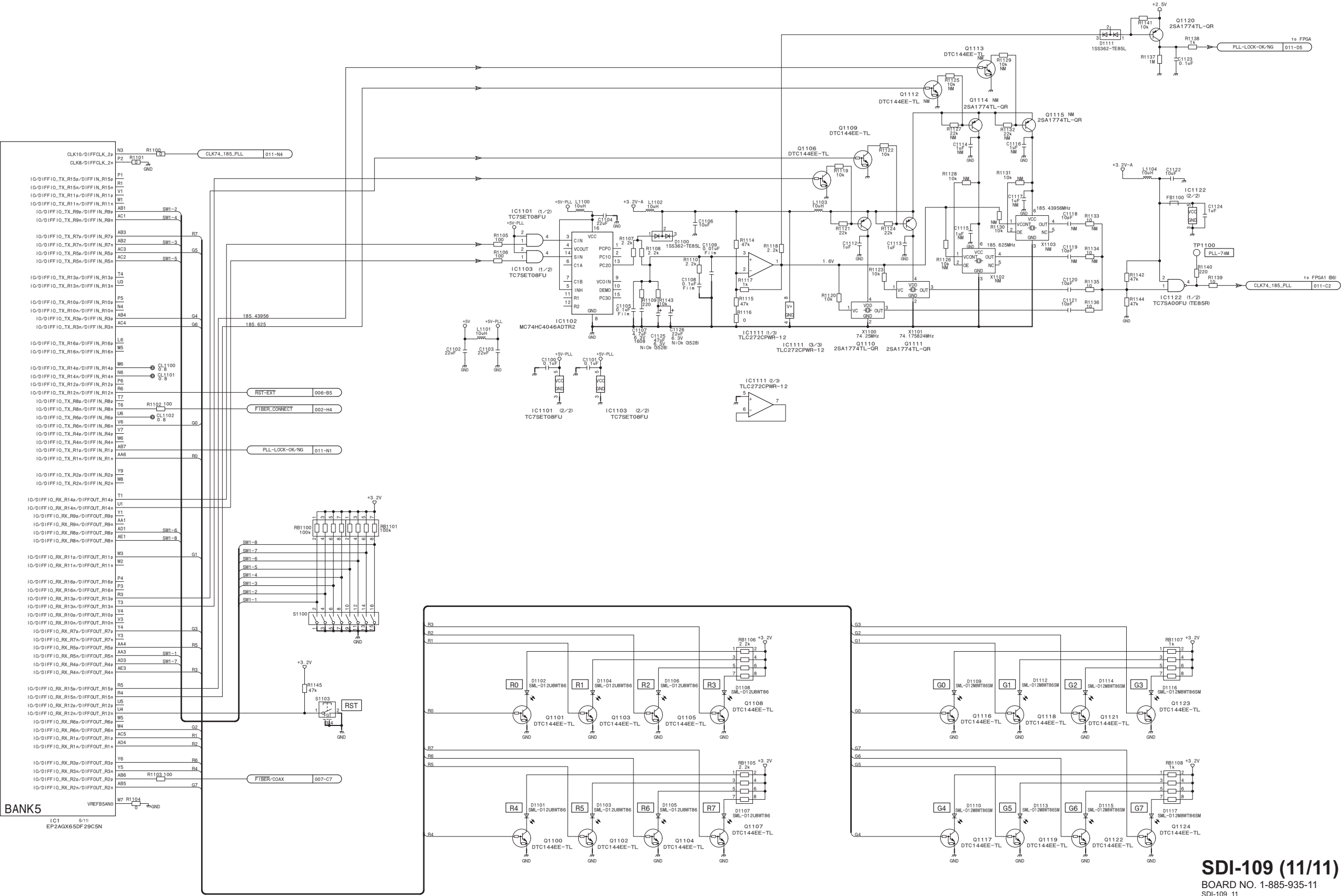


## SDI-109 (9/11)

BOARD NO. 1-885-935-11  
SDI-109\_9

## SDI-109 (10/11)

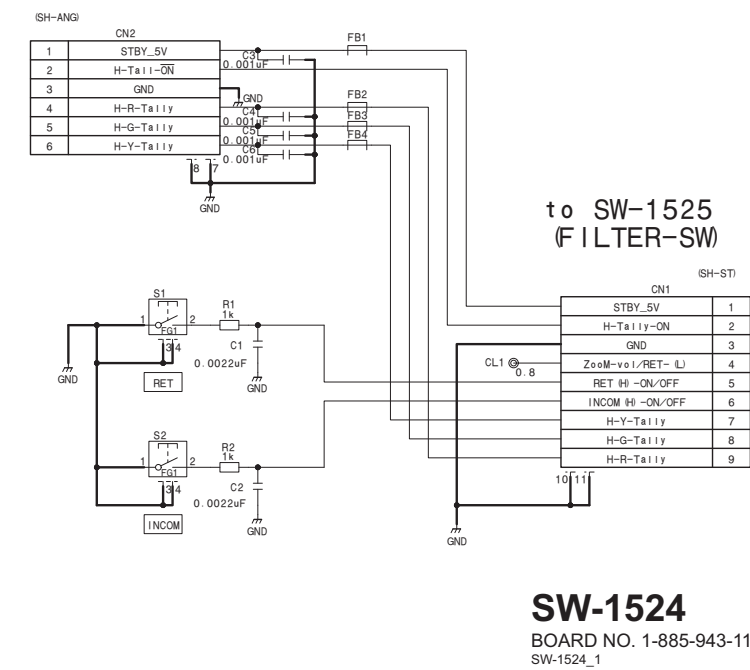


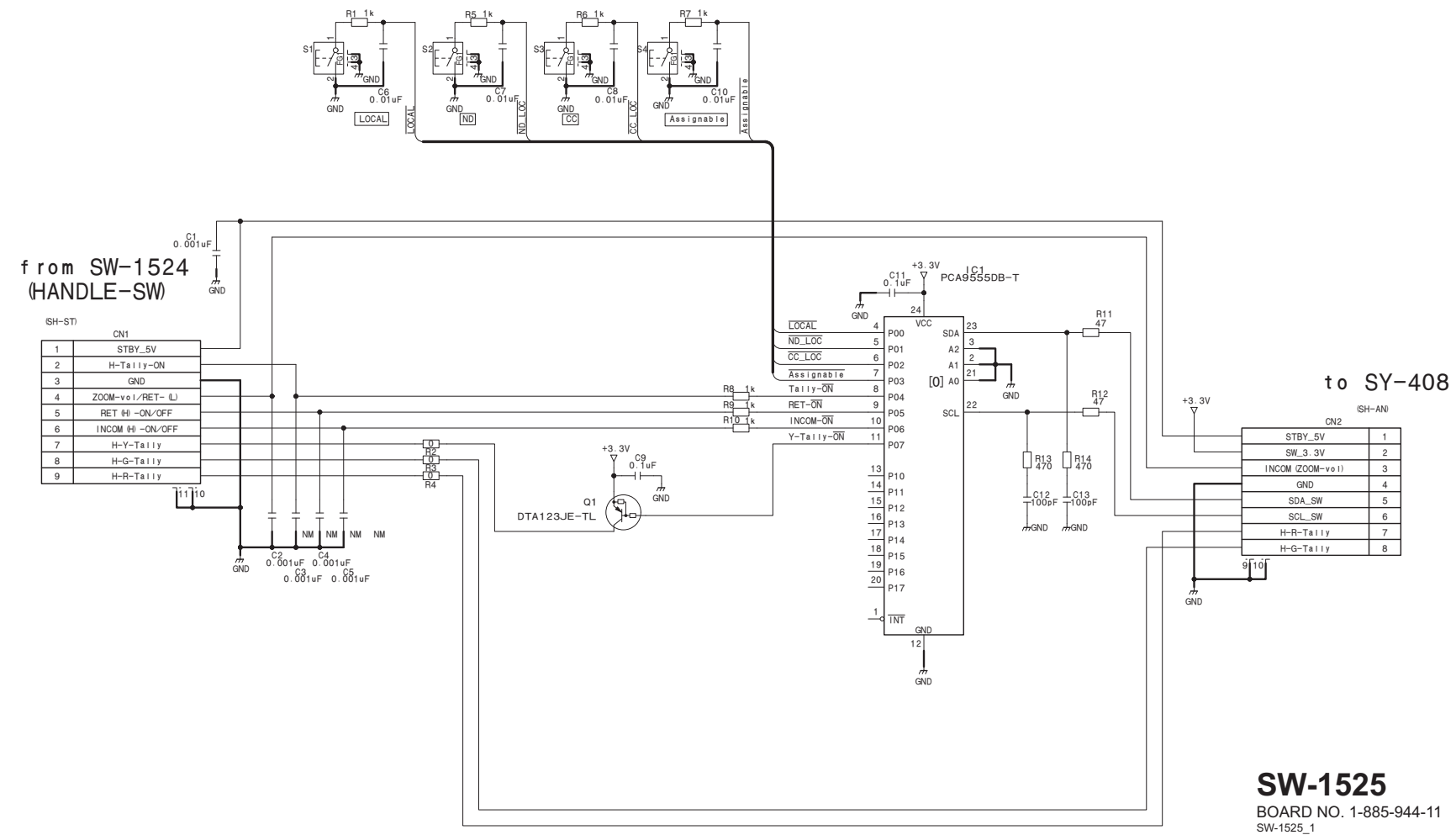


SDI-109 (11/11)  
BOARD NO. 1-885-935-11  
SDI-109\_11

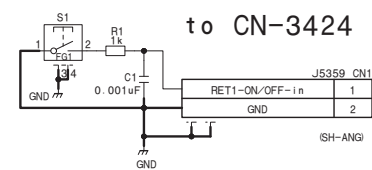
SW-1524

to LE-376  
(HANDLE-LED)



**SW-1525**

**SW-1526**

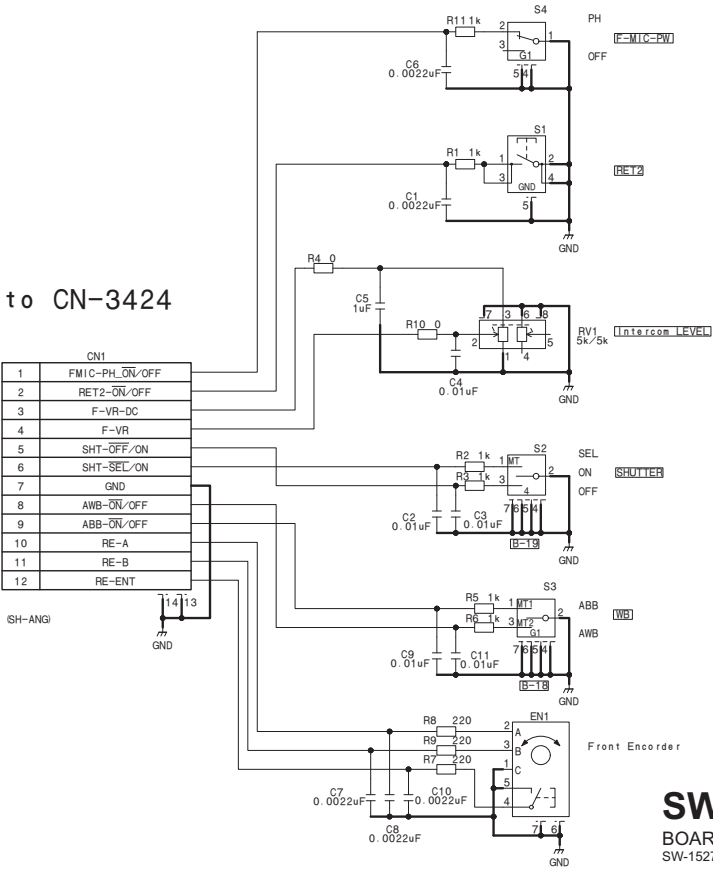


**SW-1526**

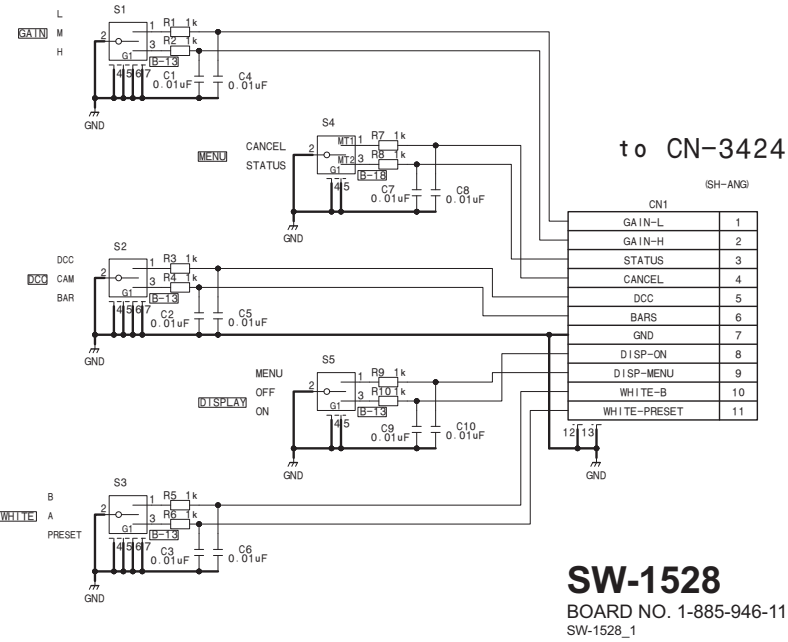
BOARD NO. 1-885-945-11  
SW-1526\_1

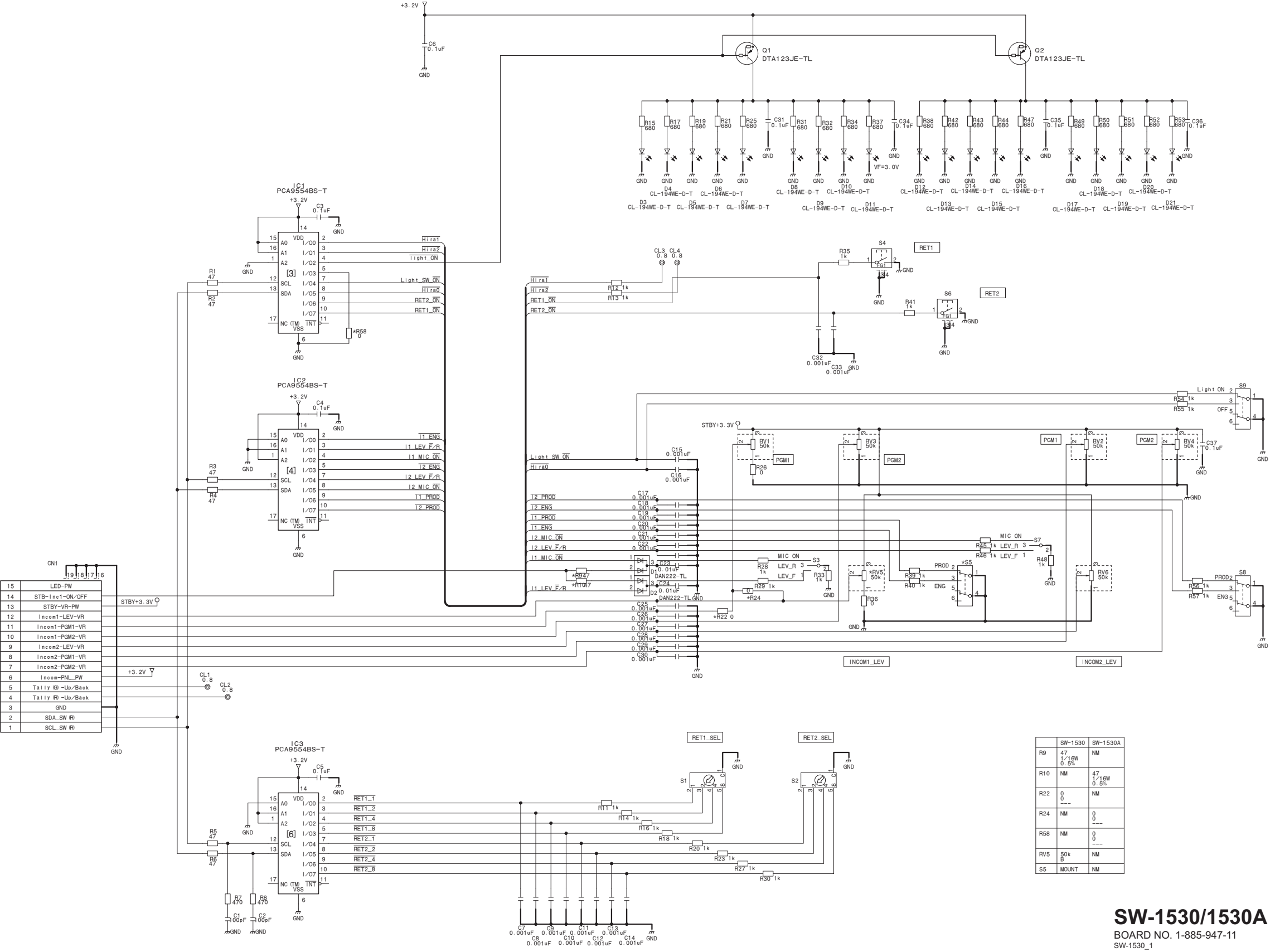


SW-1527



SW-1528



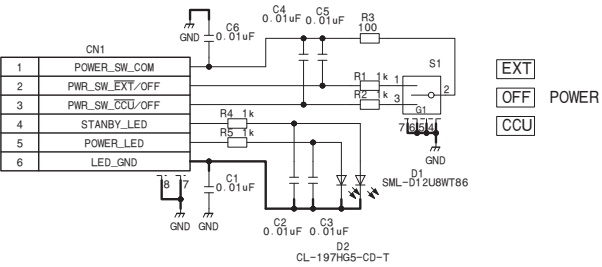


|     | SW-1530             | SW-1530A            |
|-----|---------------------|---------------------|
| R9  | 47<br>1/16W<br>0.5% | NM                  |
| R10 | NM                  | 47<br>1/16W<br>0.5% |
| R22 | 0<br>0              | NM                  |
| R24 | NM                  | 0<br>0              |
| R58 | NM                  | 0<br>0              |
| RV5 | 50k<br>B            | NM                  |
| S5  | MOUNT               | NM                  |

SW-1530/1530A  
BOARD NO. 1-885-947-11  
SW-1530\_1



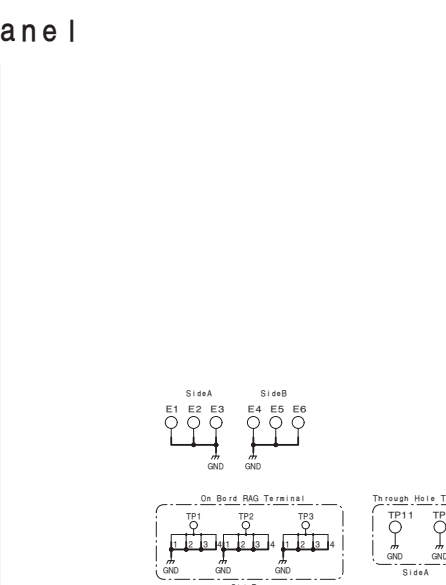
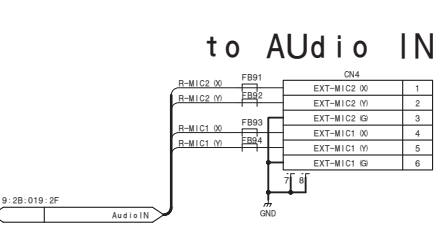
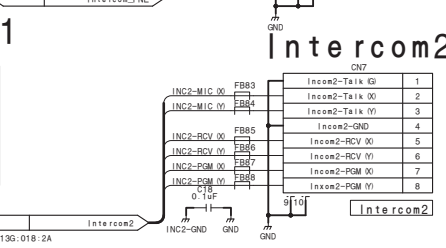
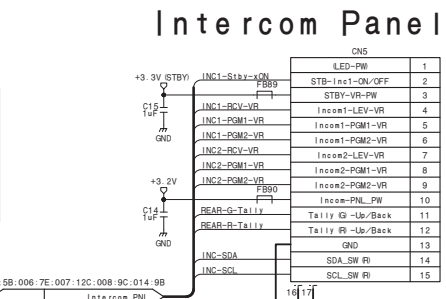
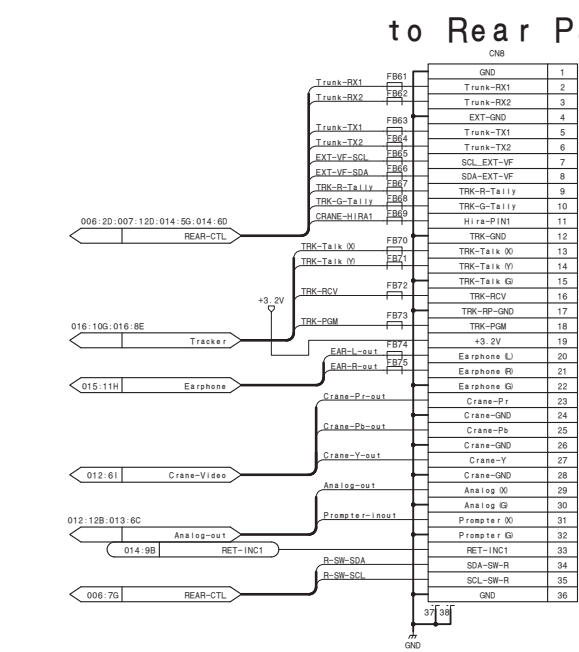
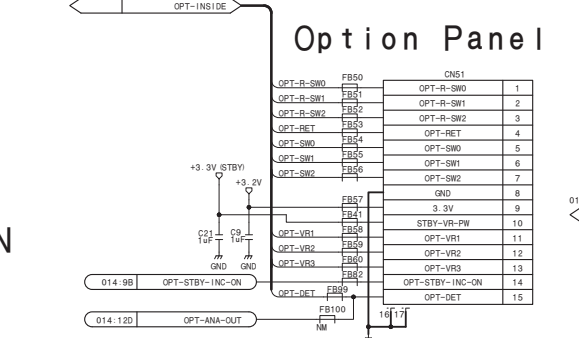
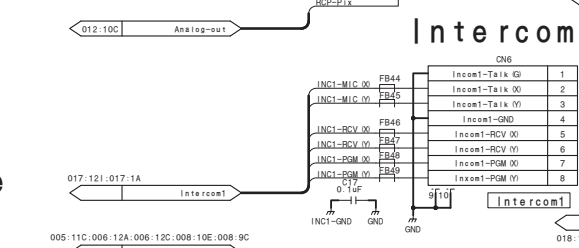
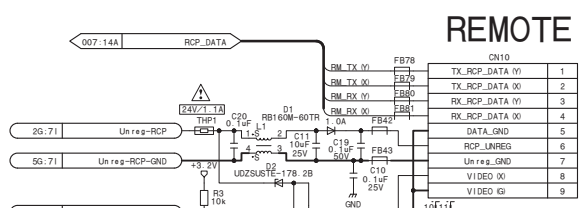
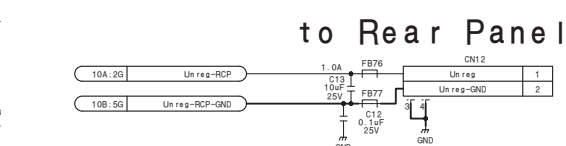
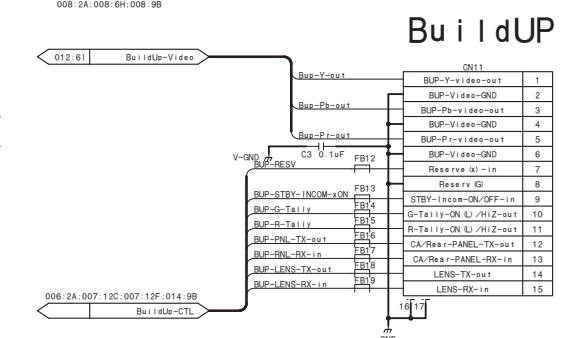
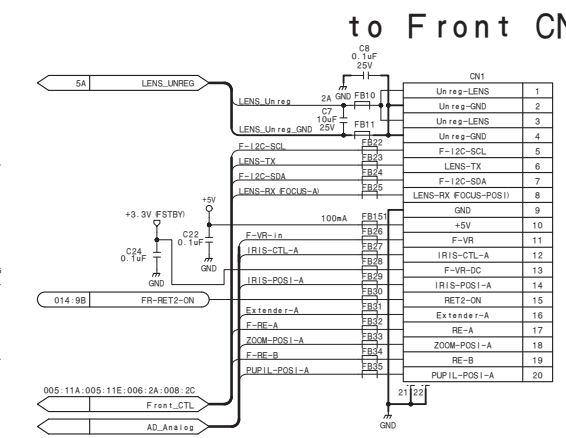
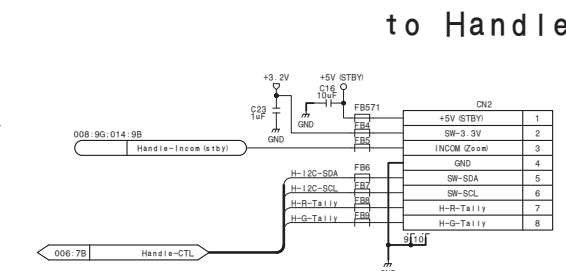
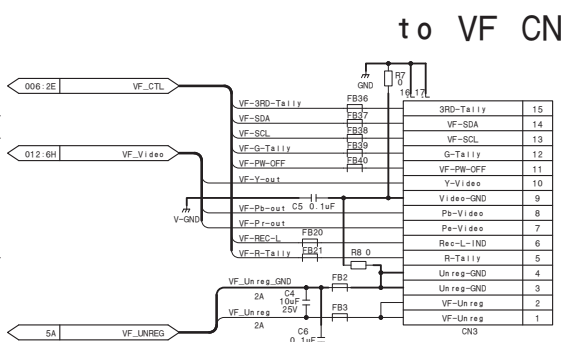
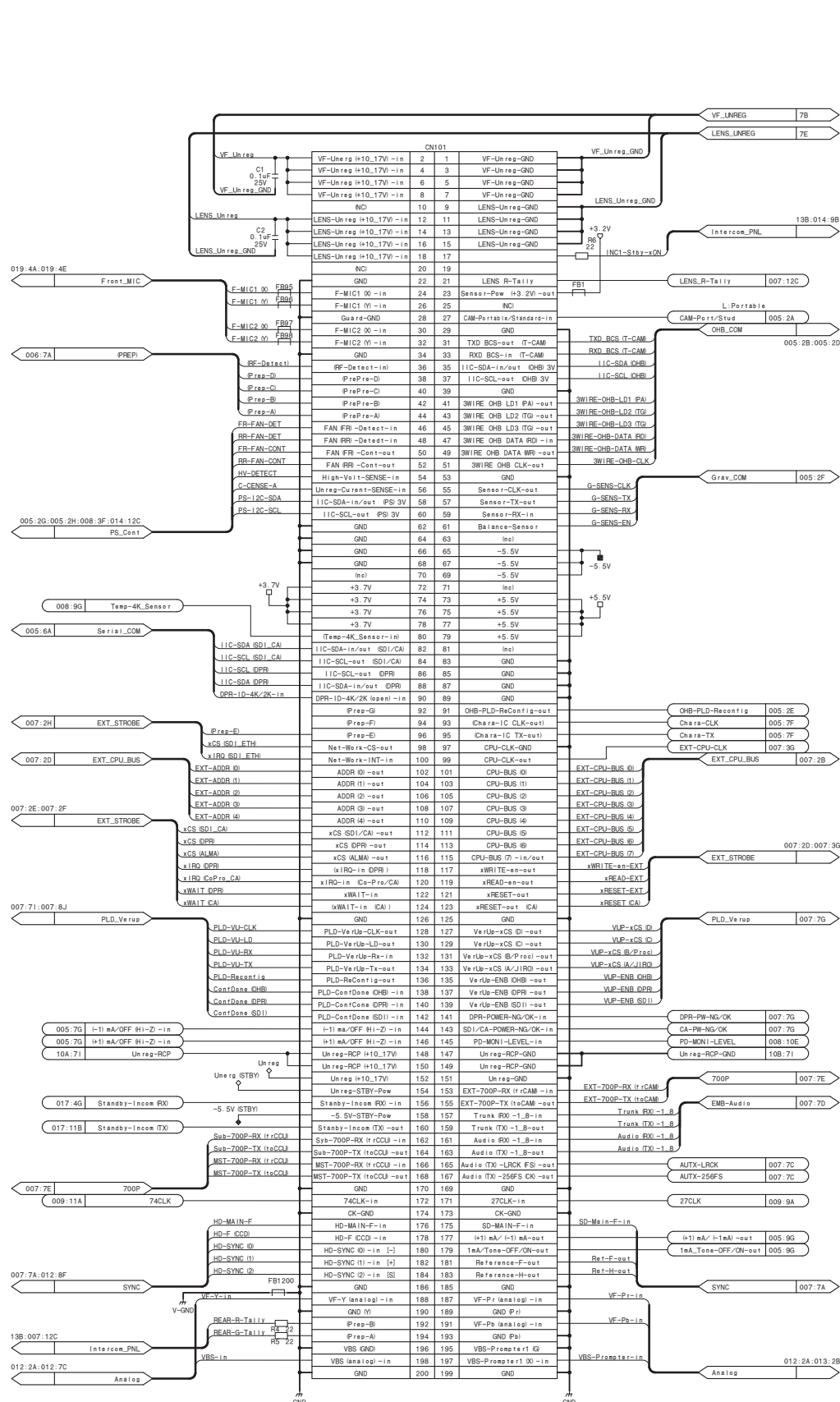
SW-1531



SW-1531

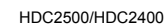
BOARD NO. 1-885-948-11  
SW-1531\_1

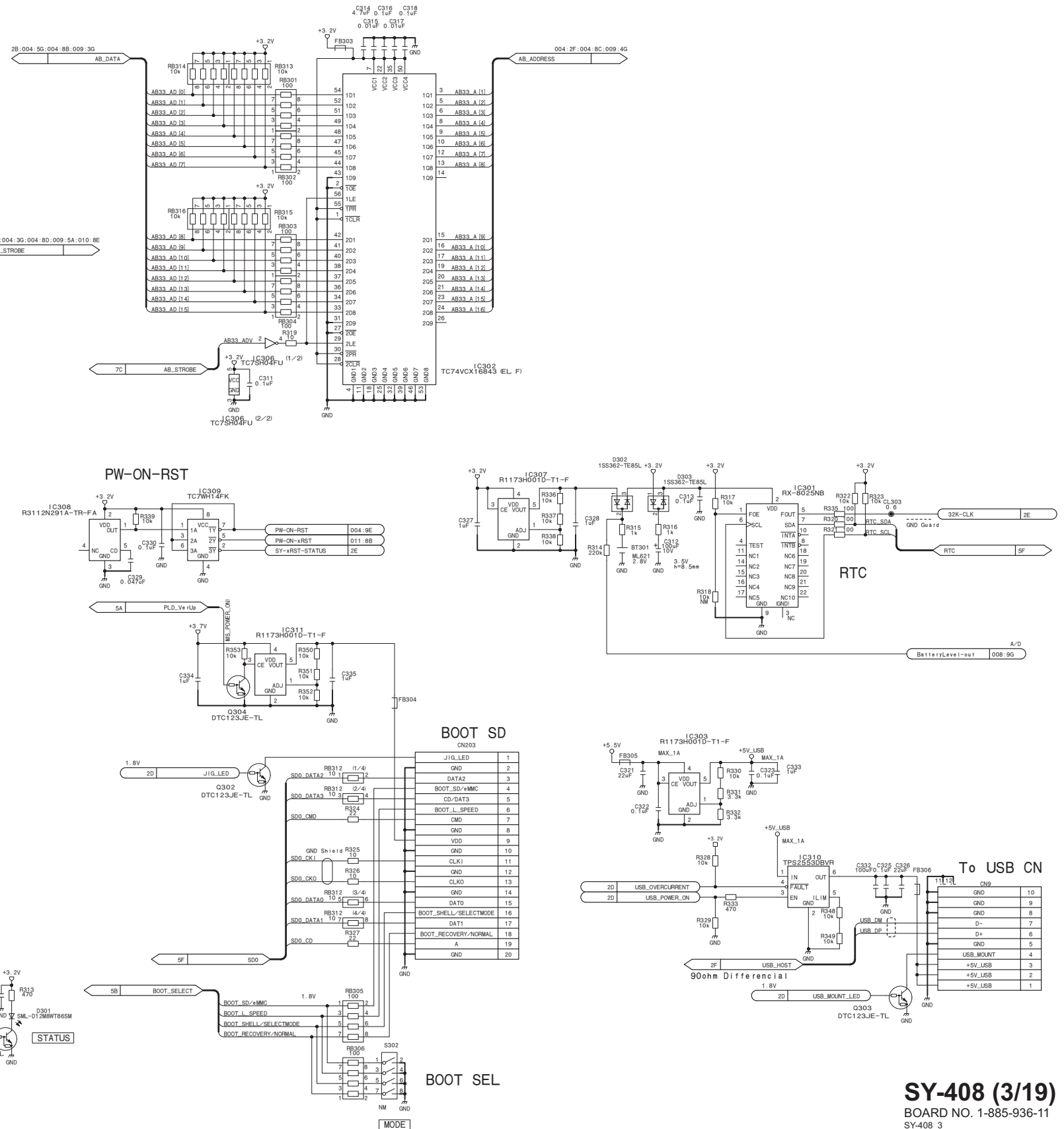
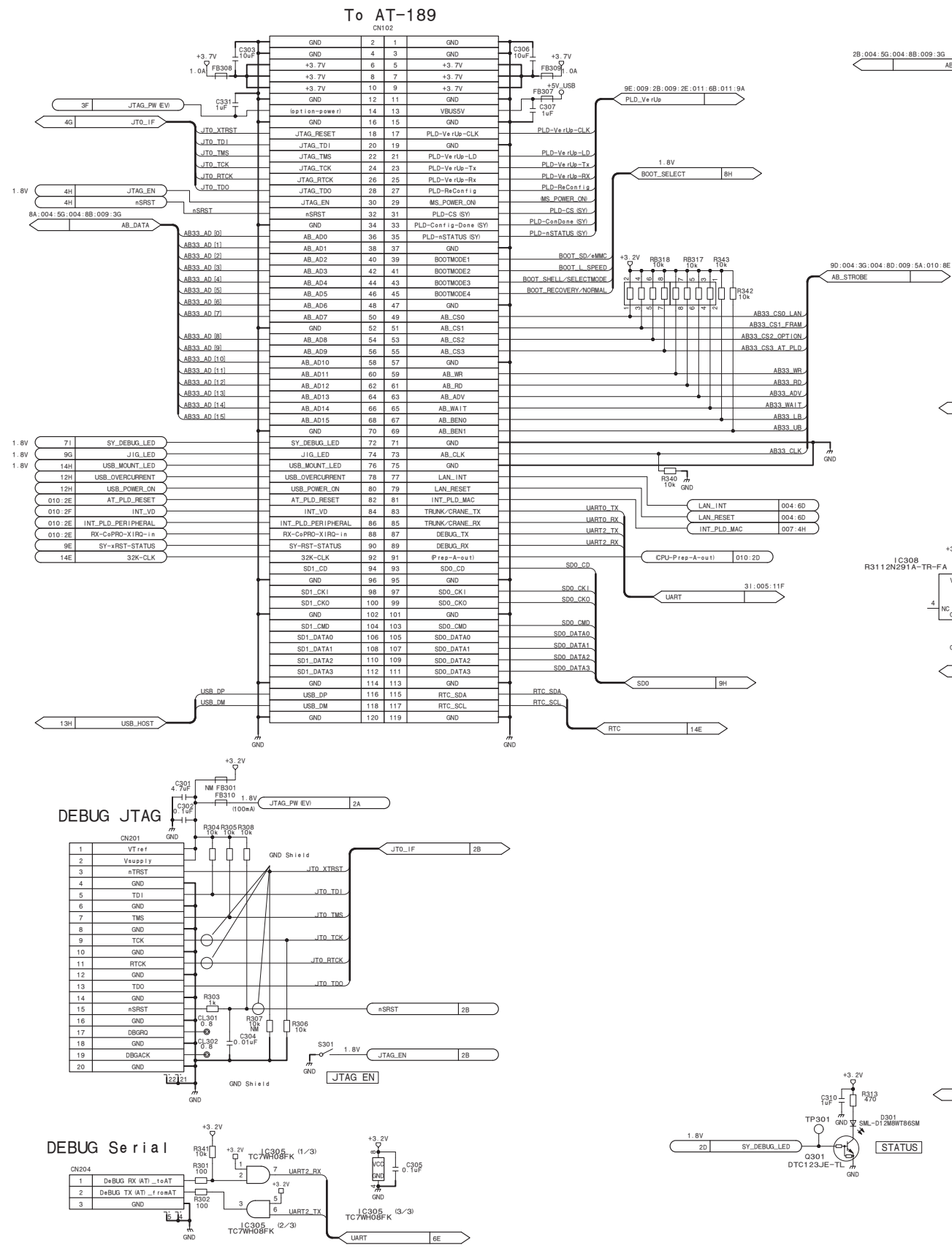
**SY-408**  
**SY-408 (1/19)**



**SY-408 (1/19)**  
BOARD NO. 1-885-936-11  
SY-408 1

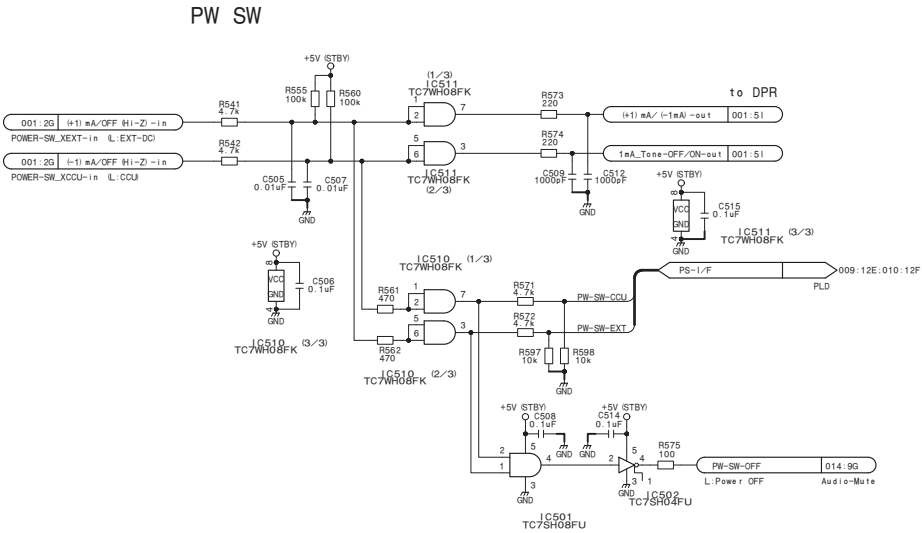
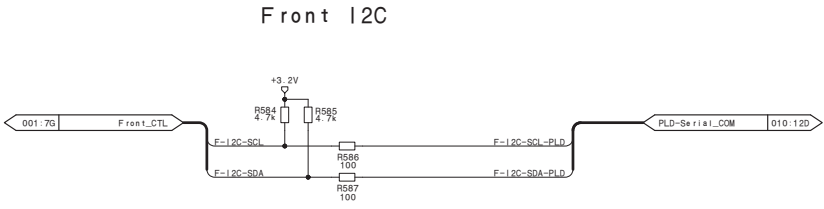
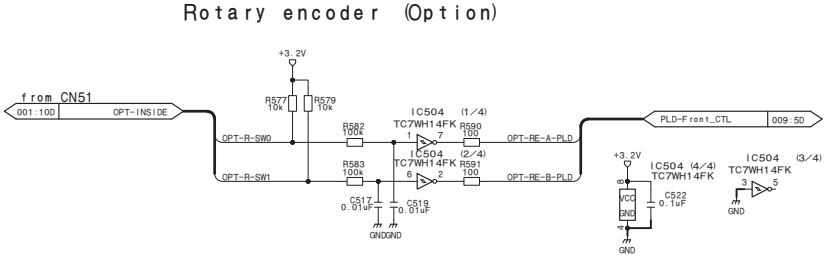
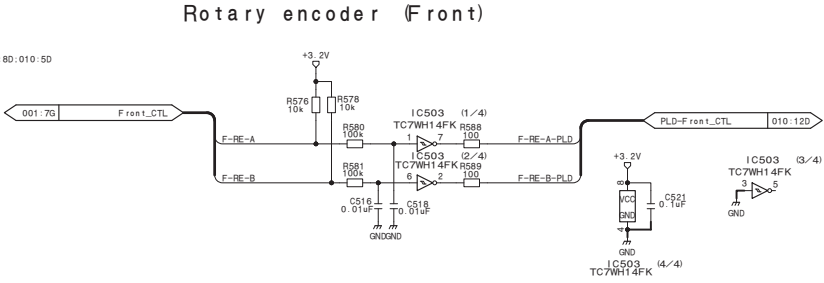
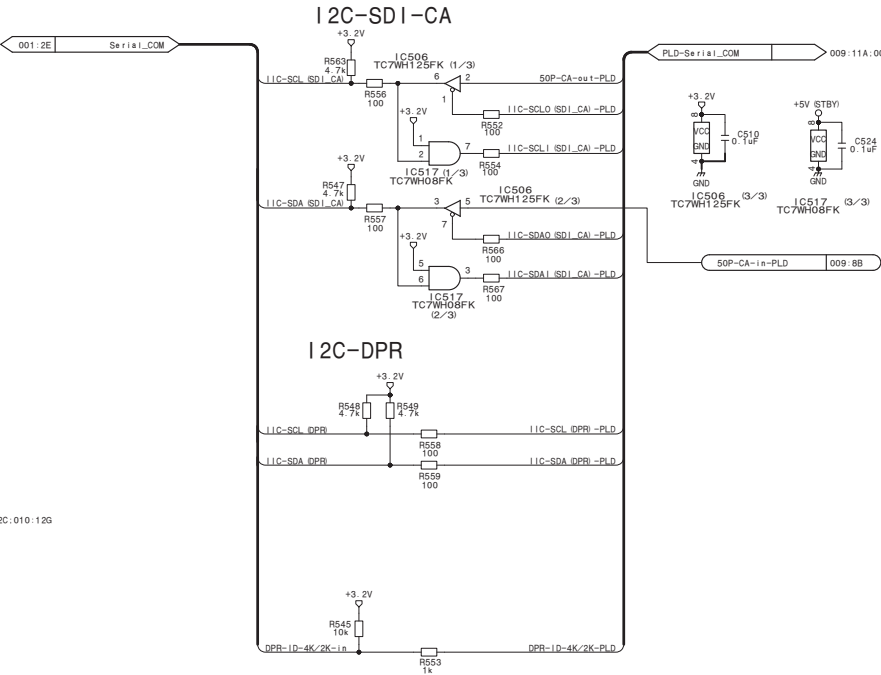
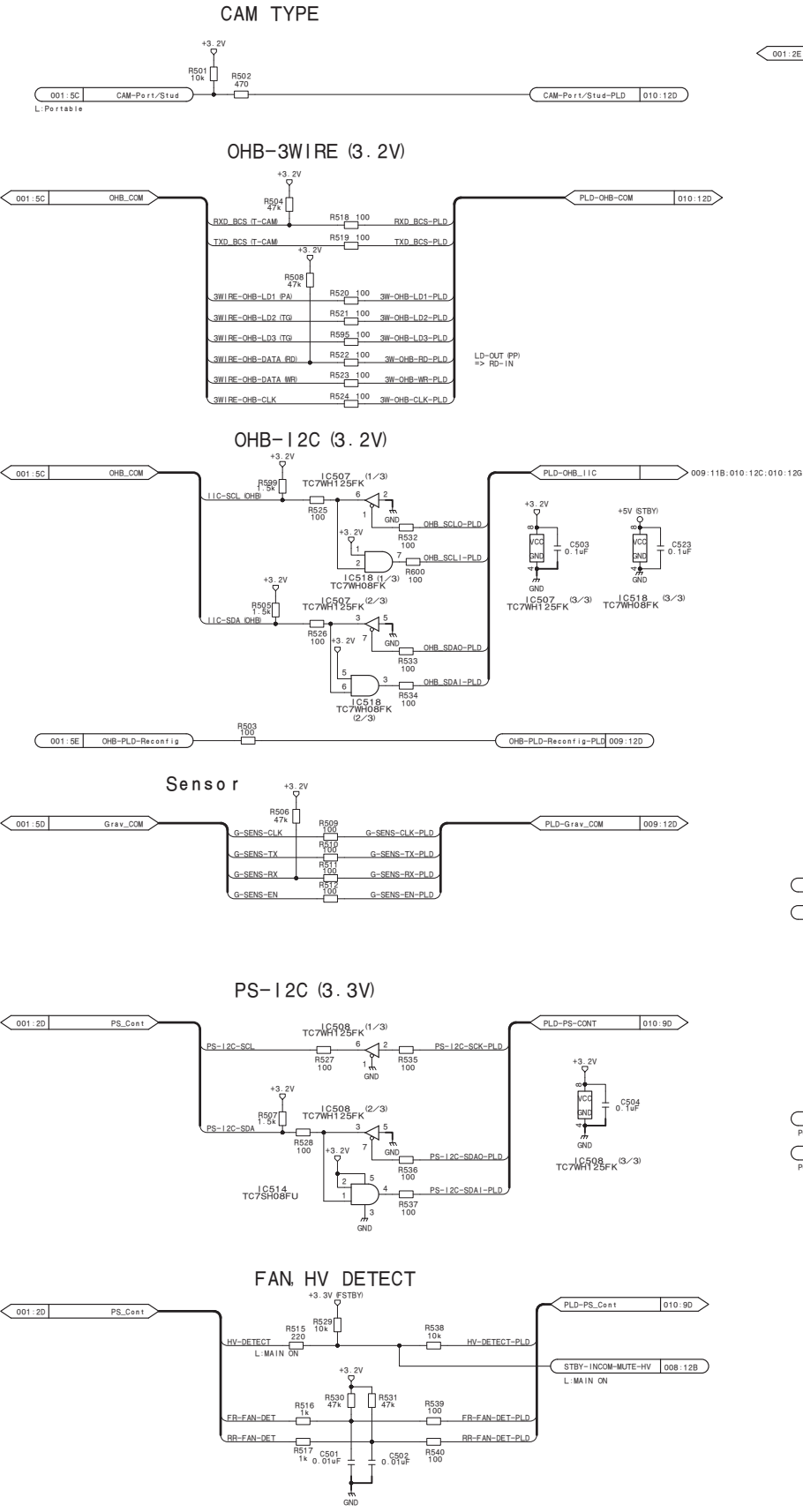
## HDC2500/HDC2400



**SY-408 (3/19)**

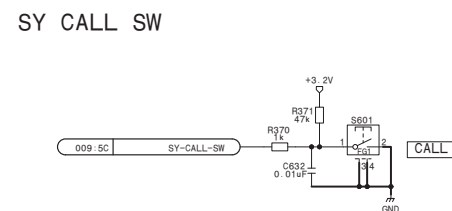
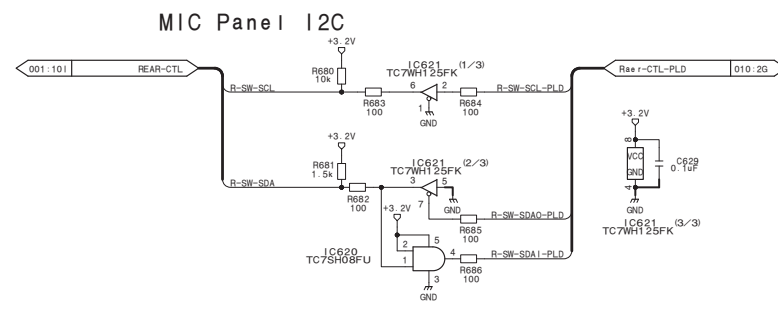
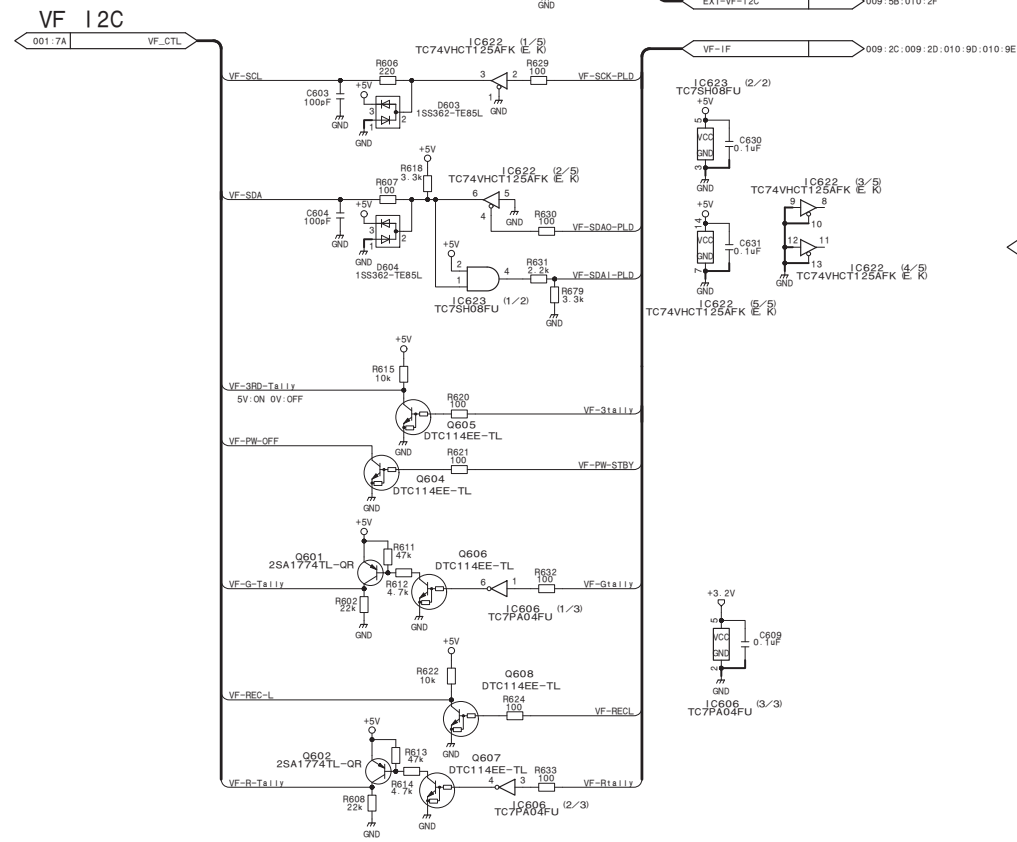
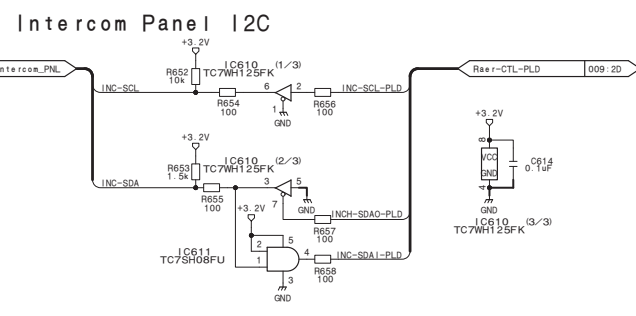
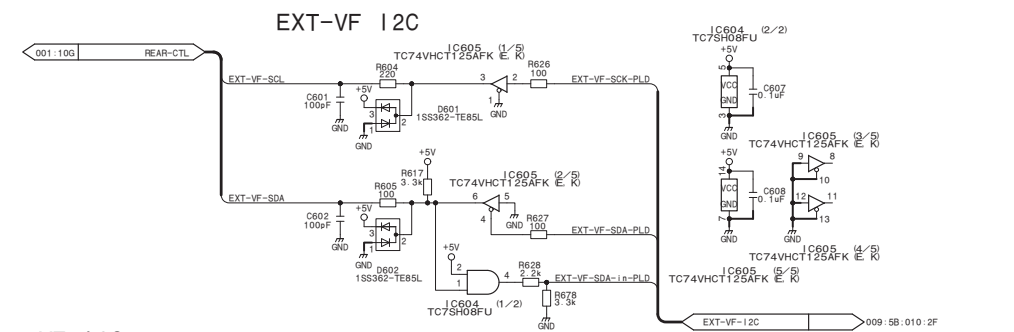
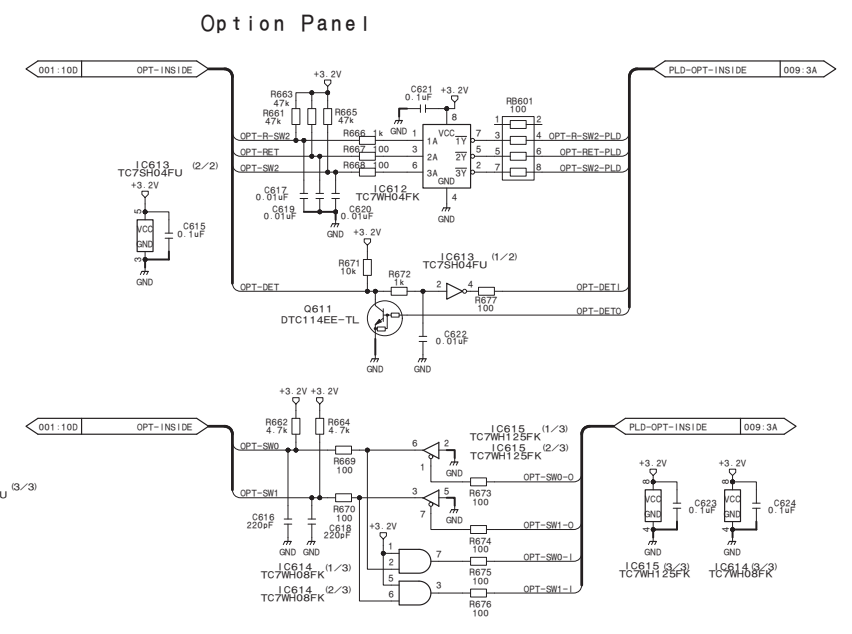
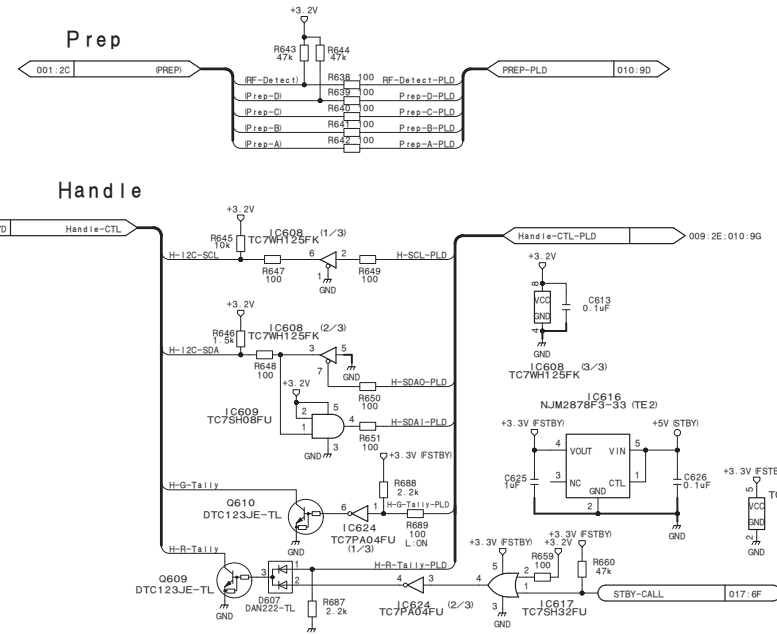
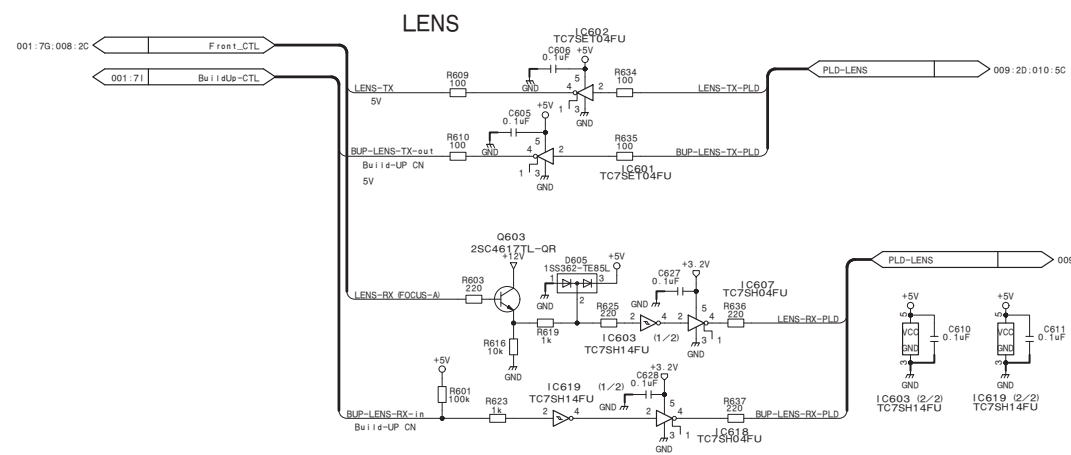
**SY-408 (3/19)**  
BOARD NO. 1-885-936-11  
SY-408\_3





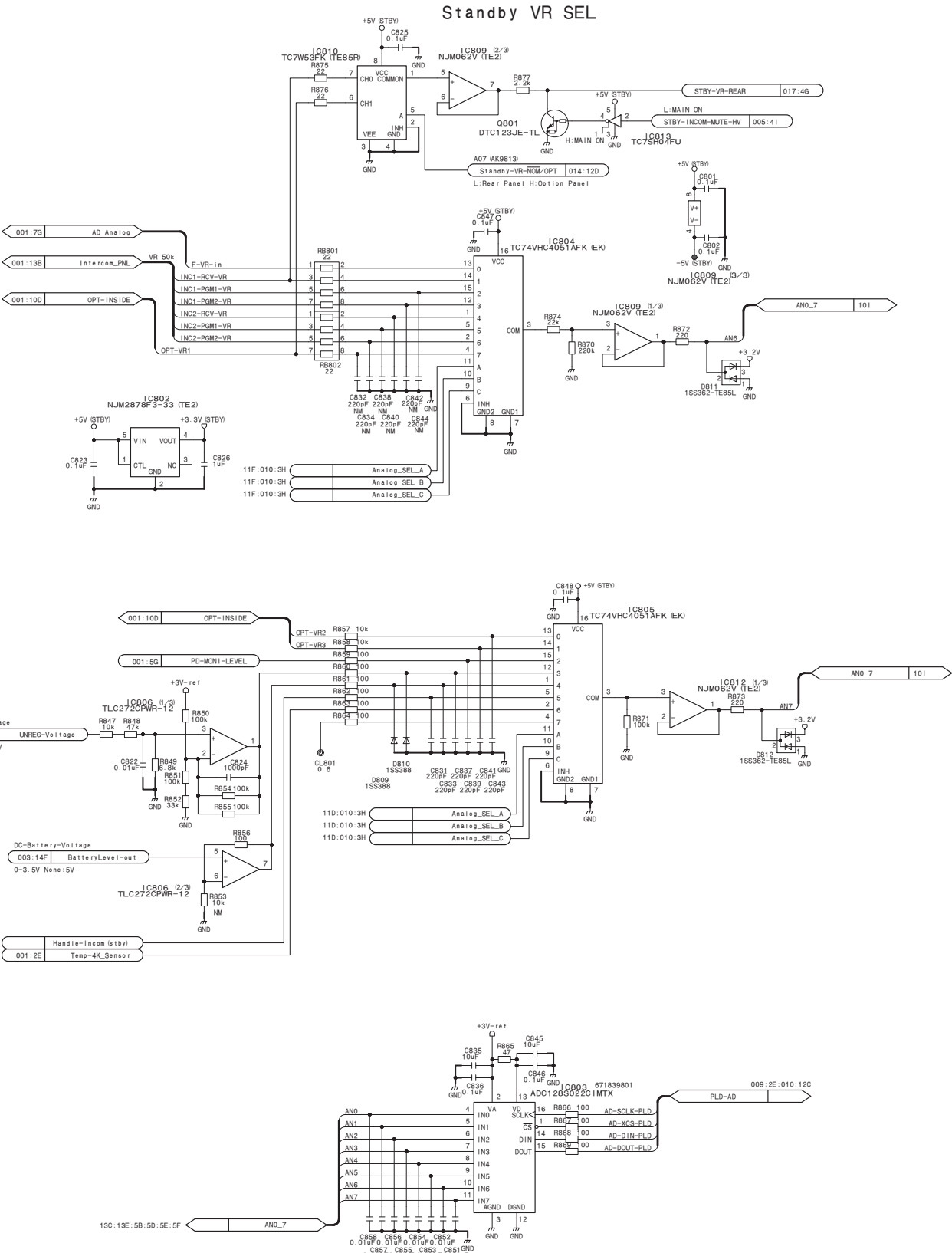
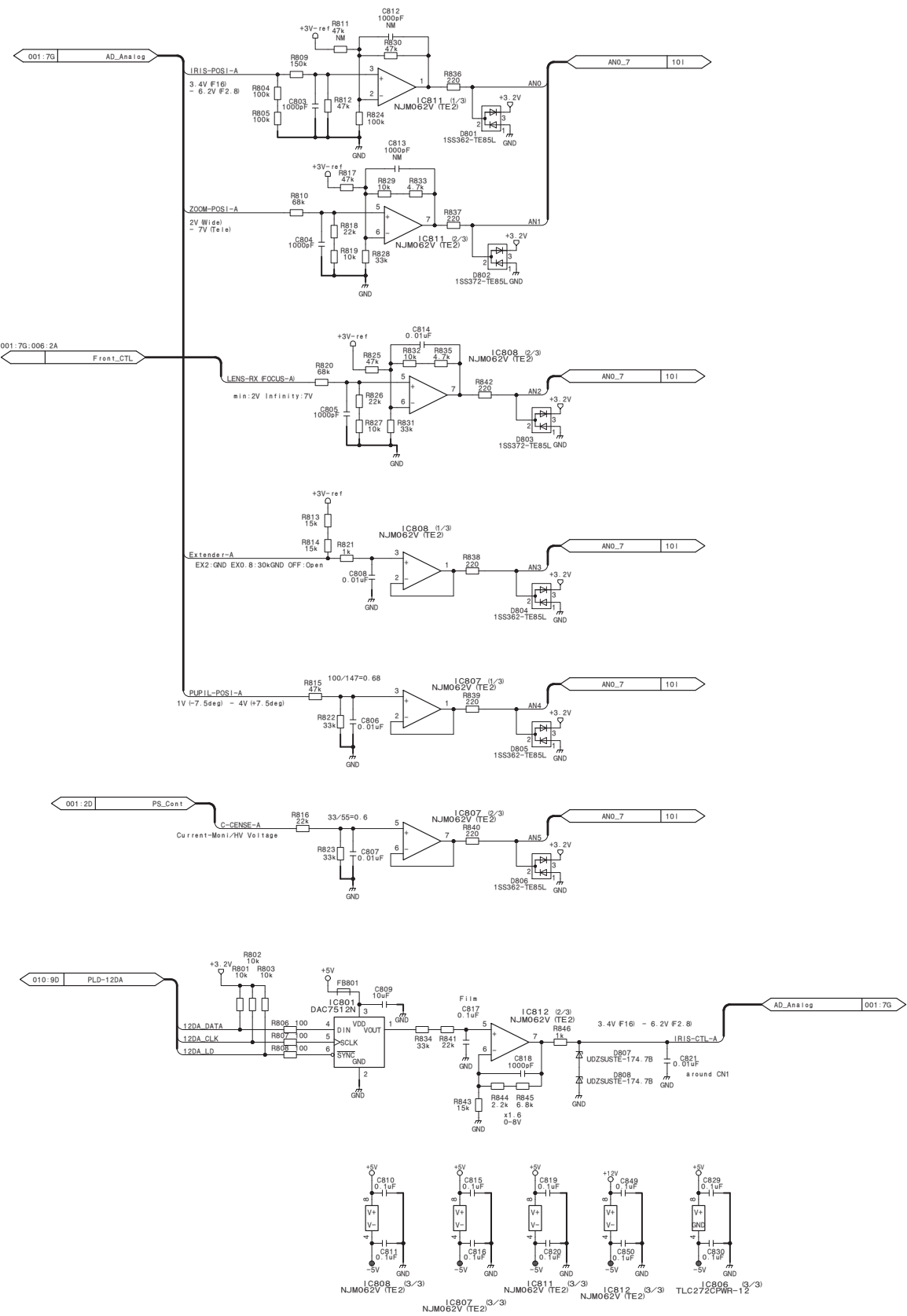


## SY-408 (6/19)

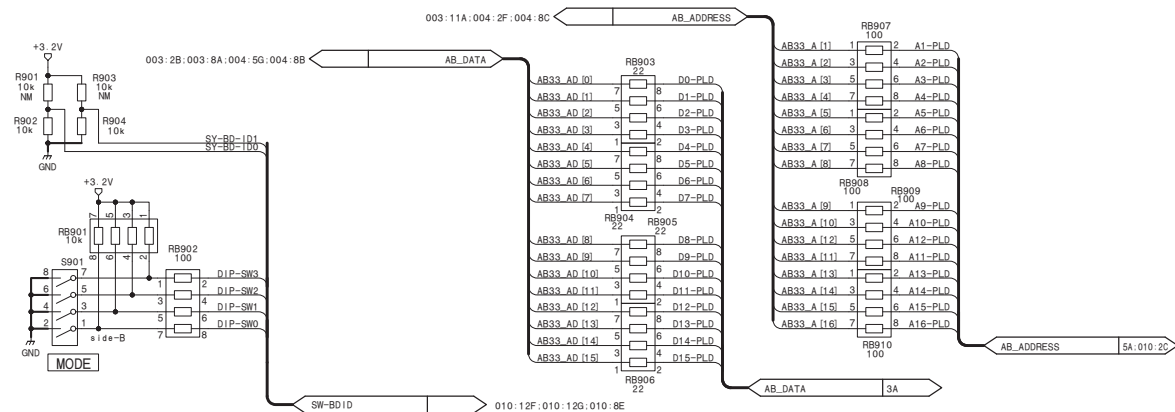
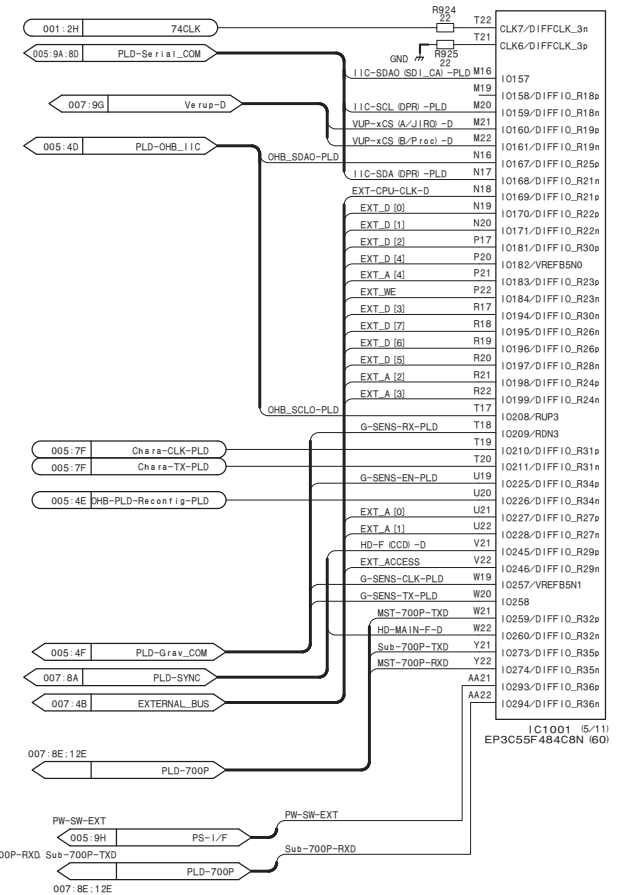
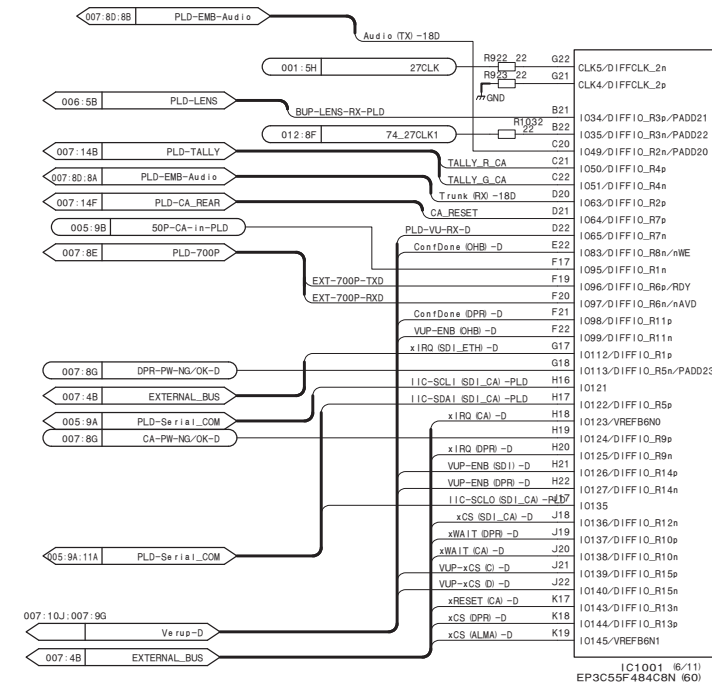
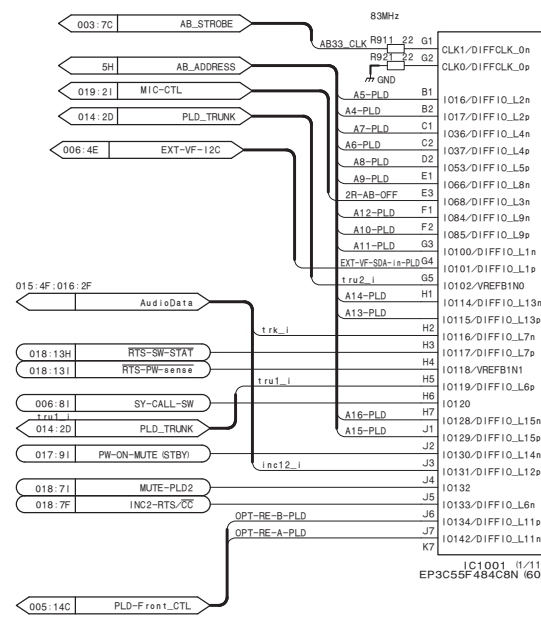
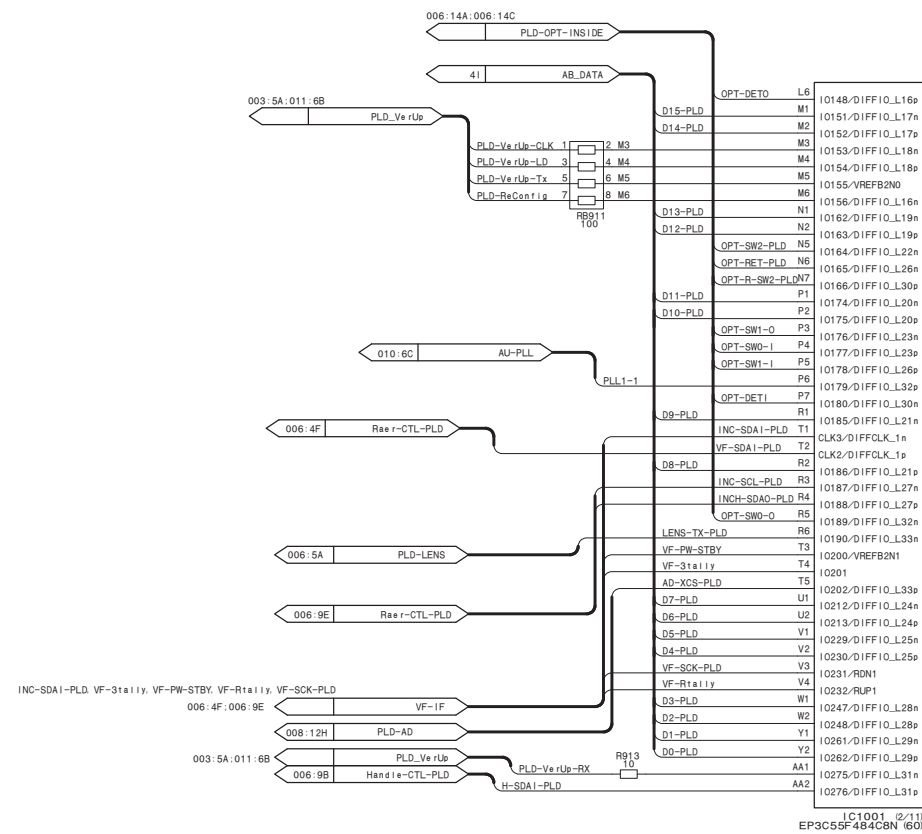






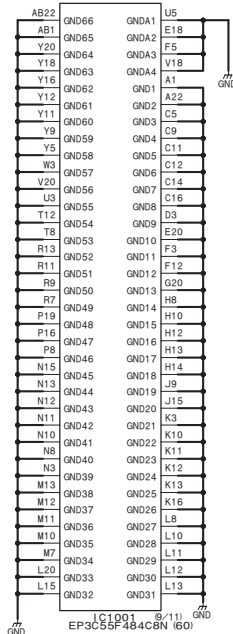


## SY-408 (9/19)



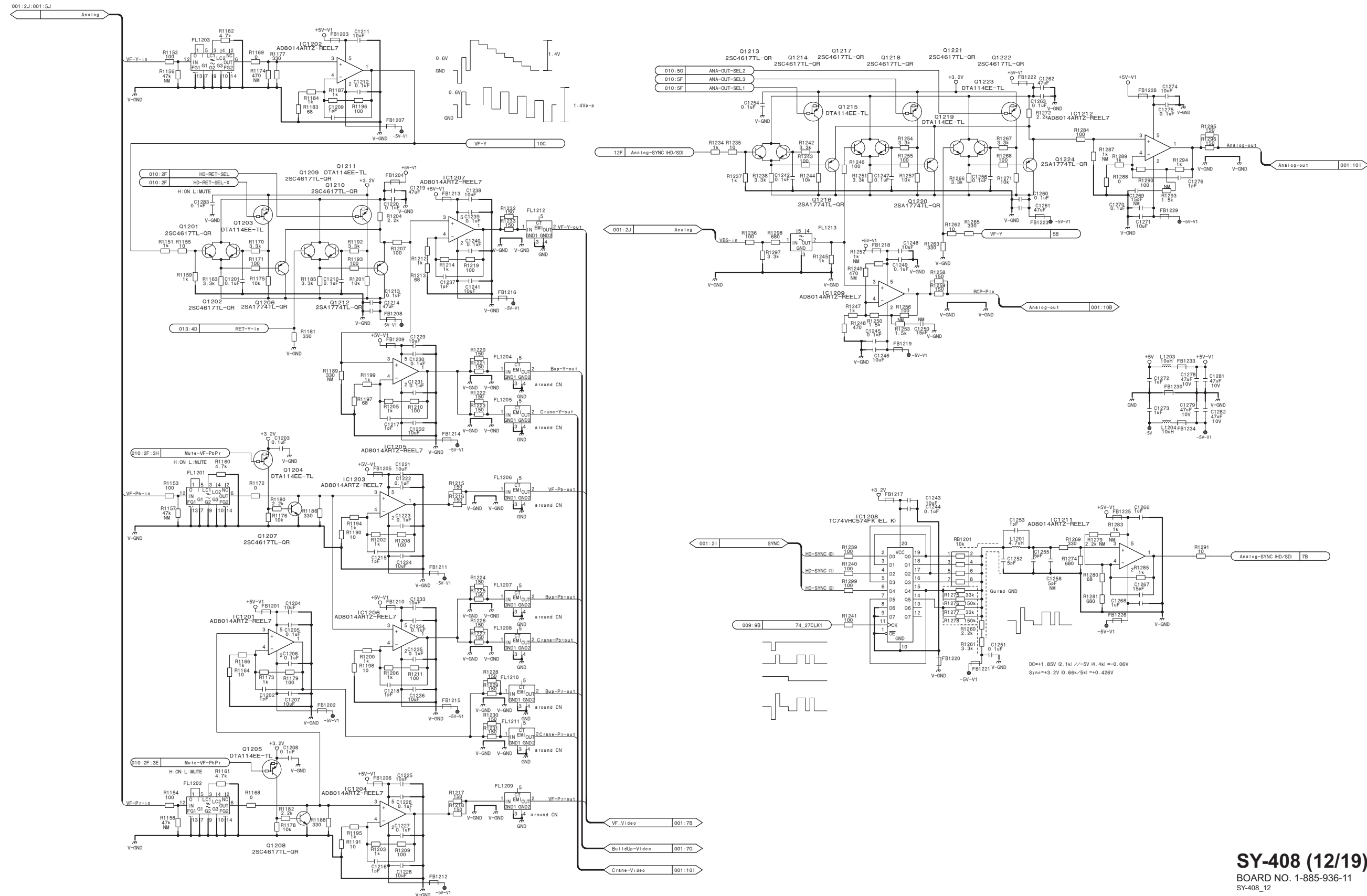
**SY-408 (9/19)**  
BOARD NO. 1-885-936-11  
SY-408 9



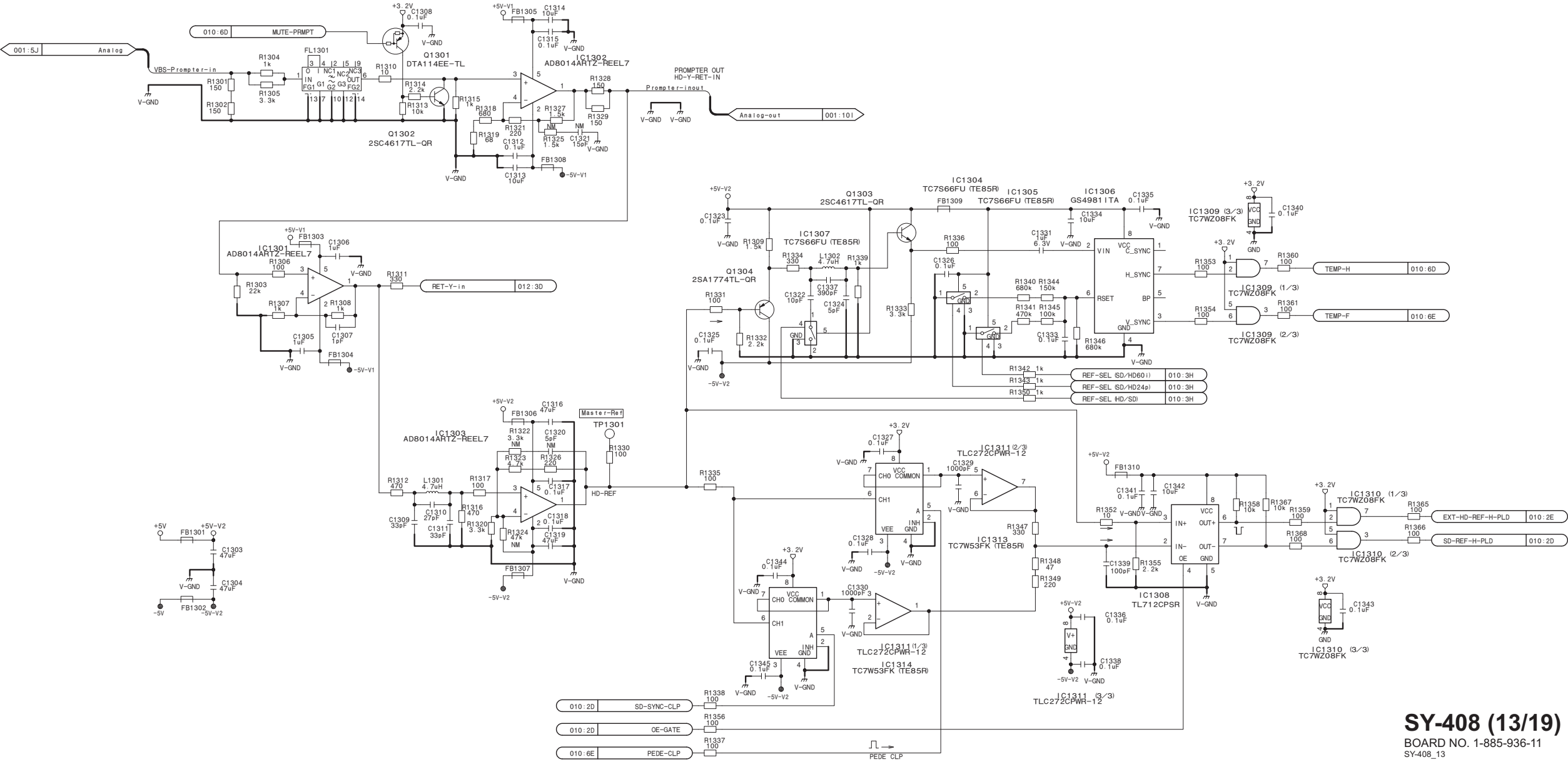


8-74

## SY-408 (12/19)



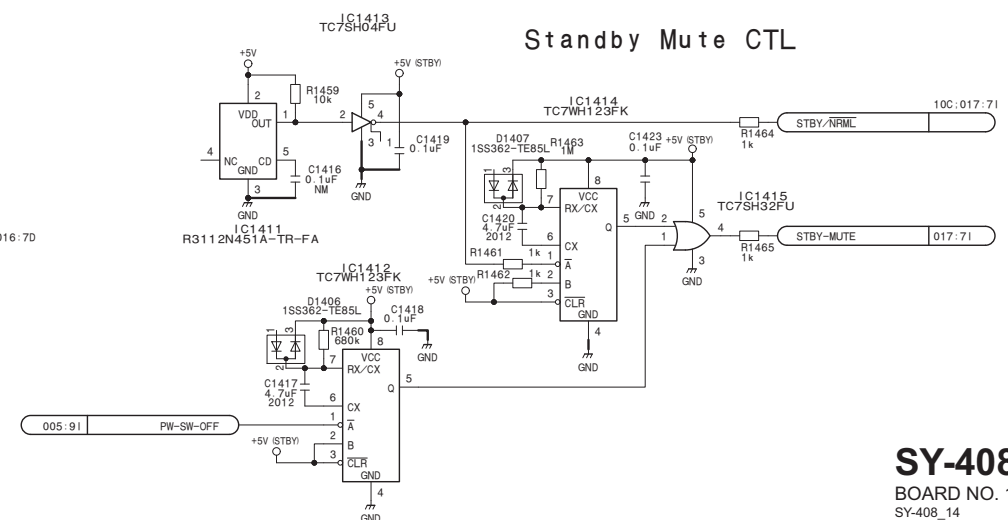
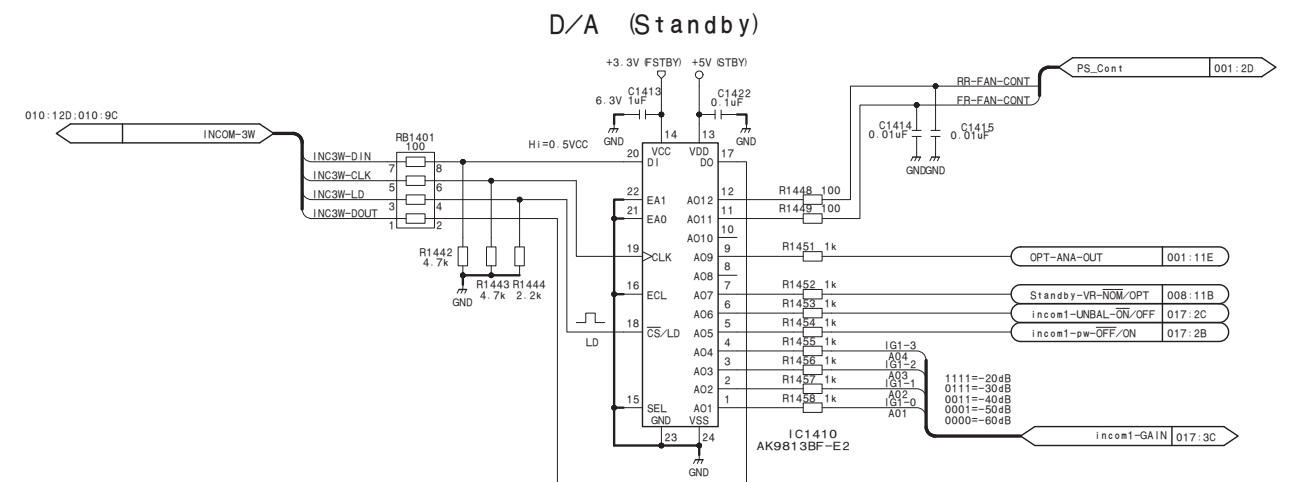
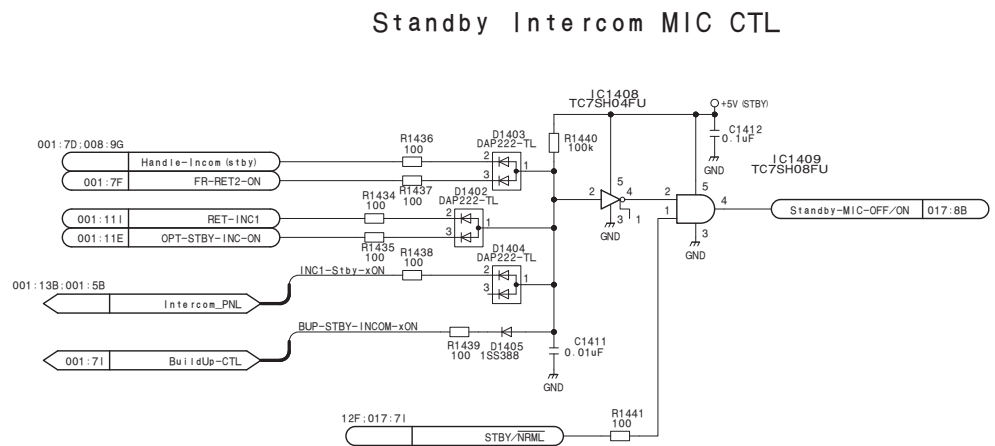
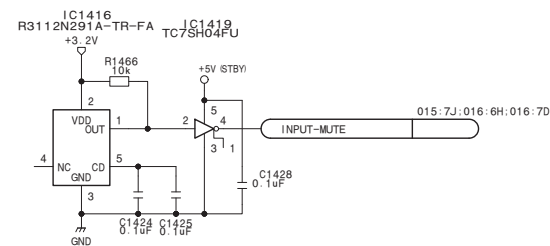
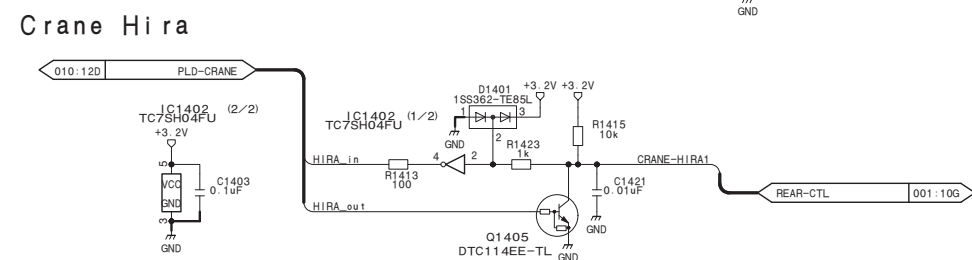
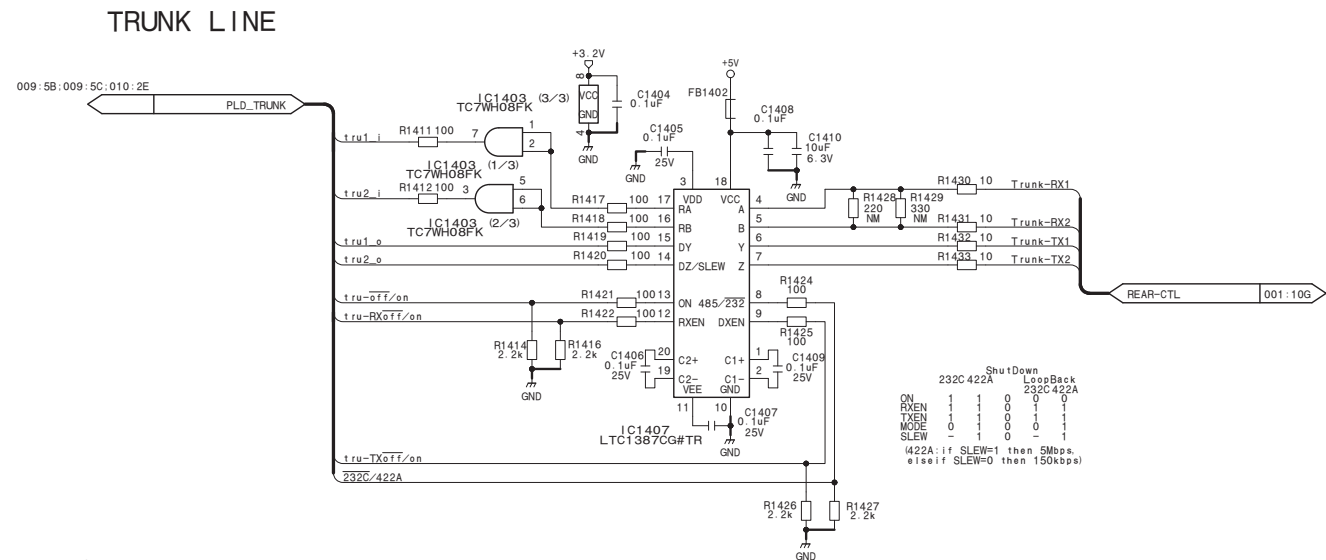
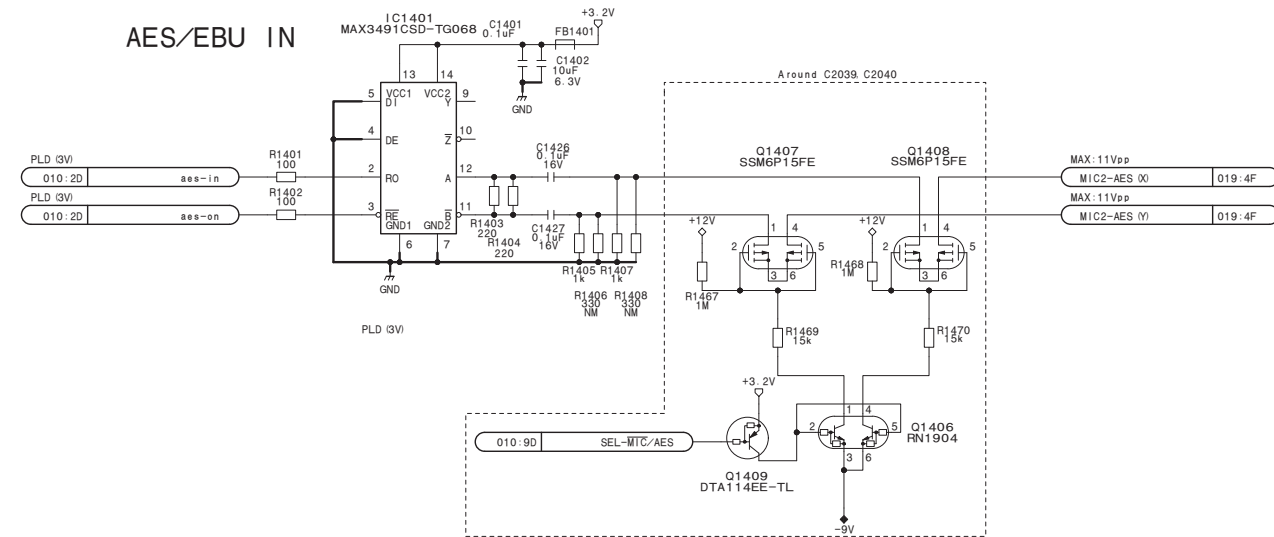
**SY-408 (12/19)**  
BOARD NO. 1-885-936-11  
SY-408\_12



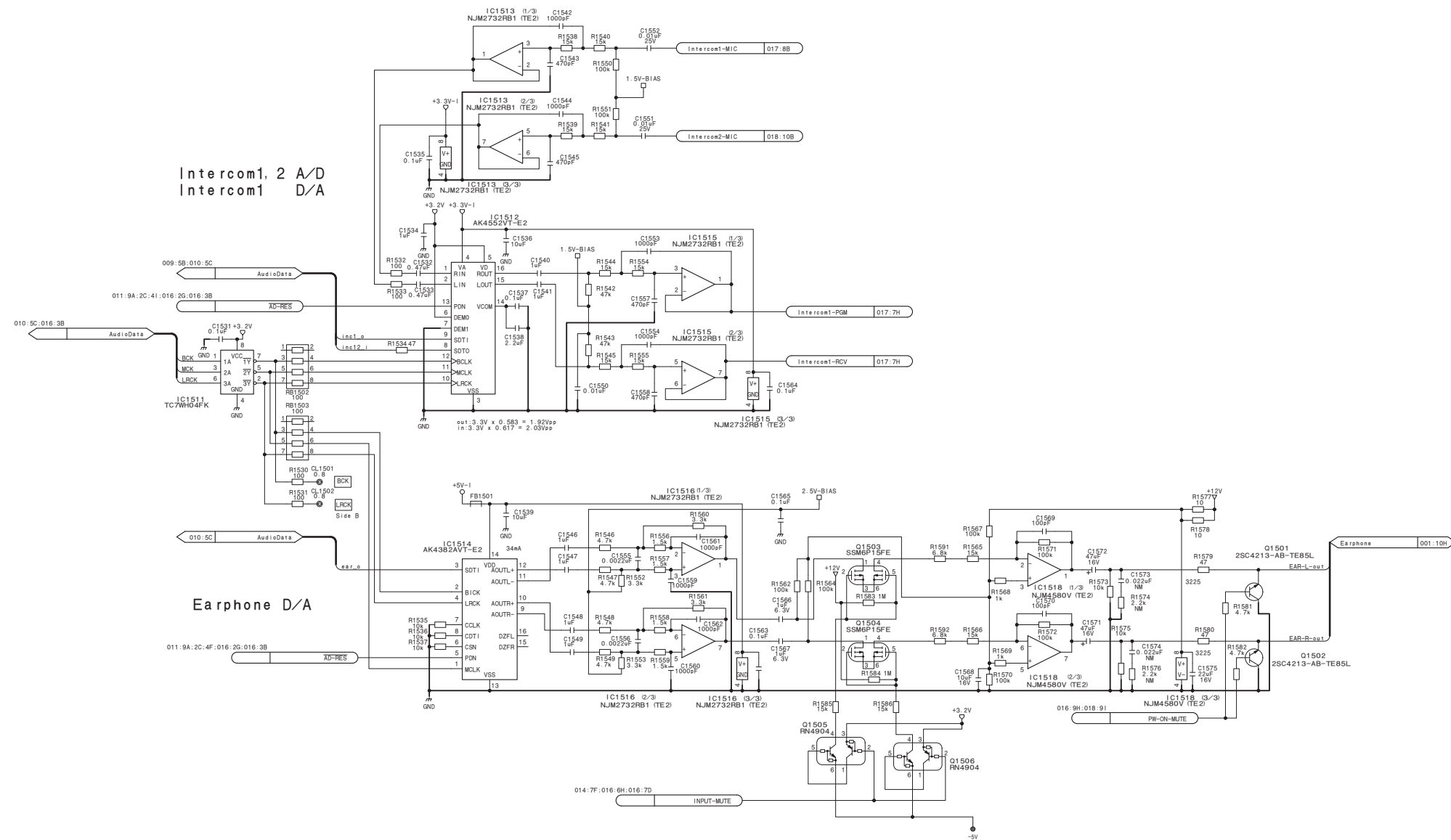
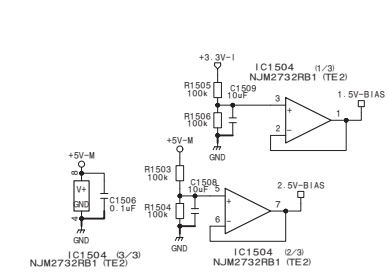
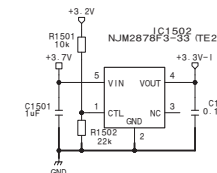
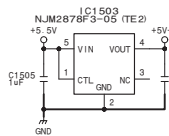
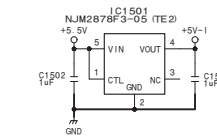
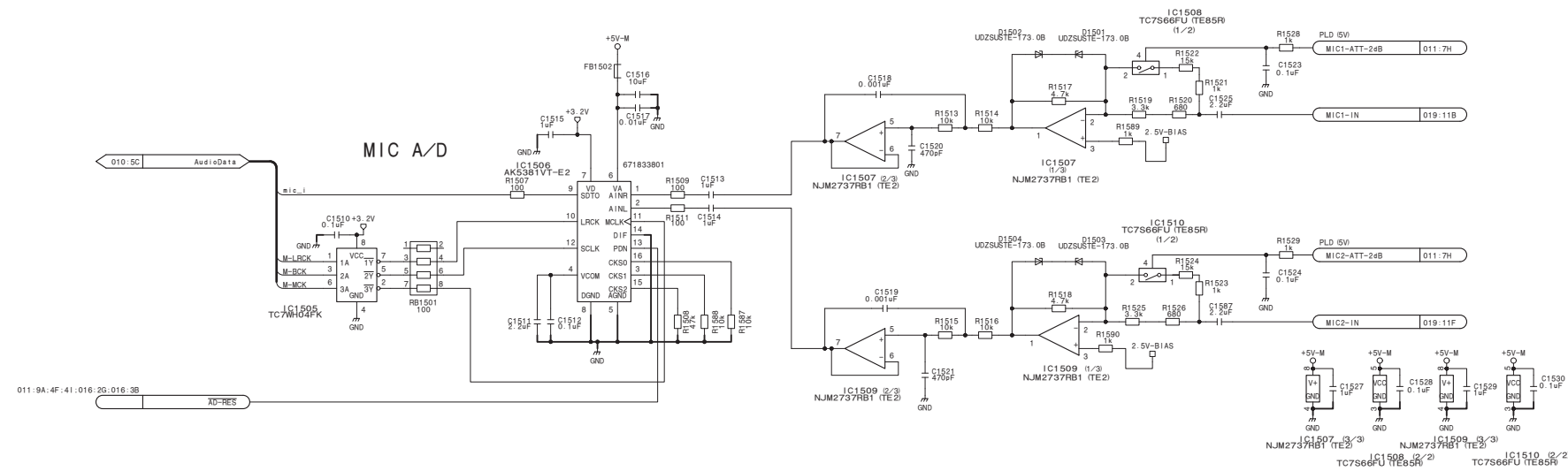
**SY-408 (13/19)**  
BOARD NO. 1-885-936-11  
SY-408\_13



## SY-408 (14/19)



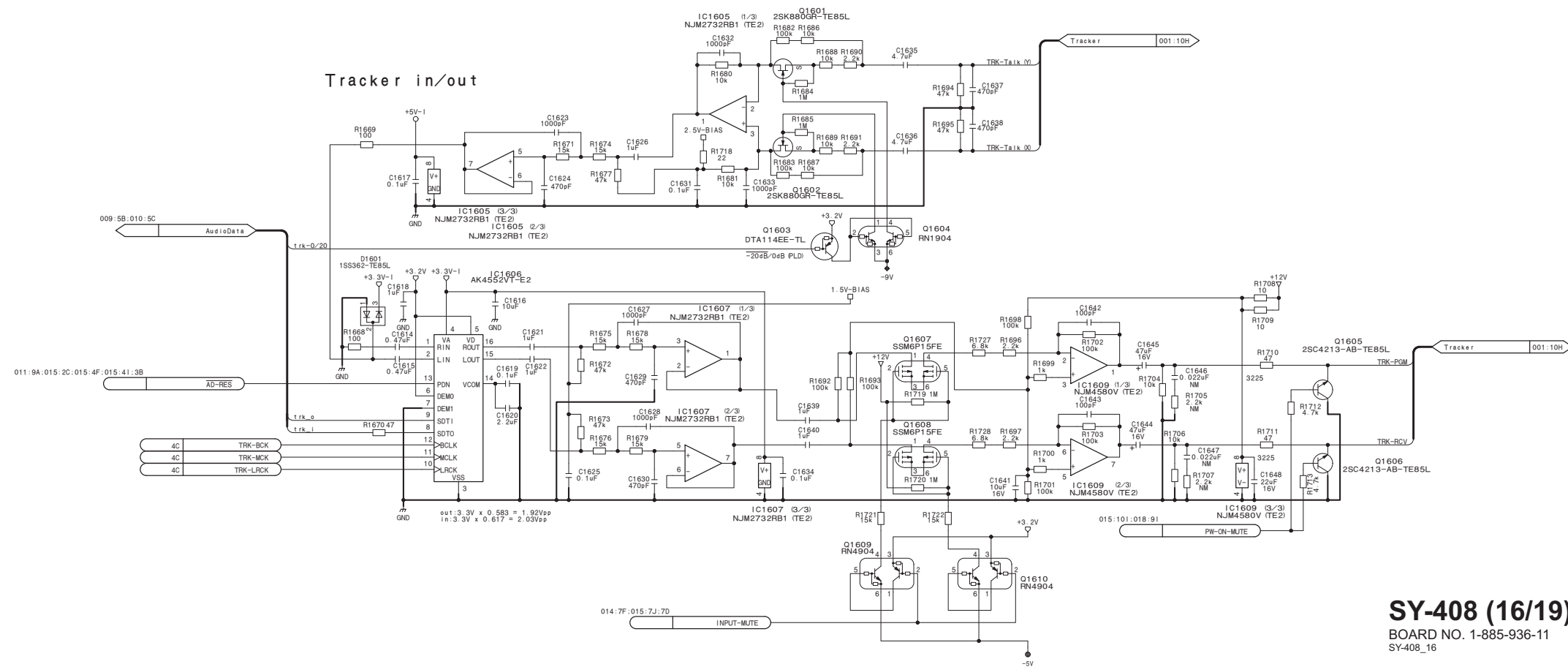
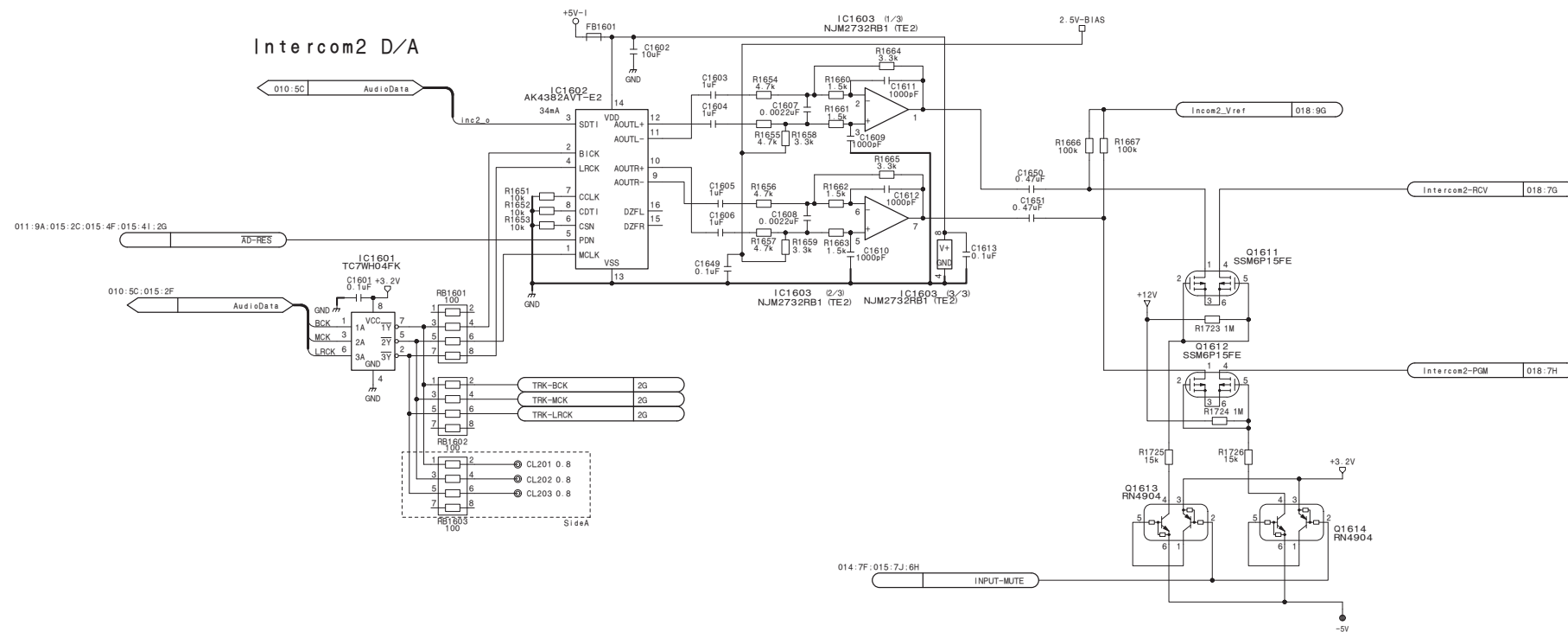
**SY-408 (14/19)**  
BOARD NO. 1-885-936-11  
SY-408\_14

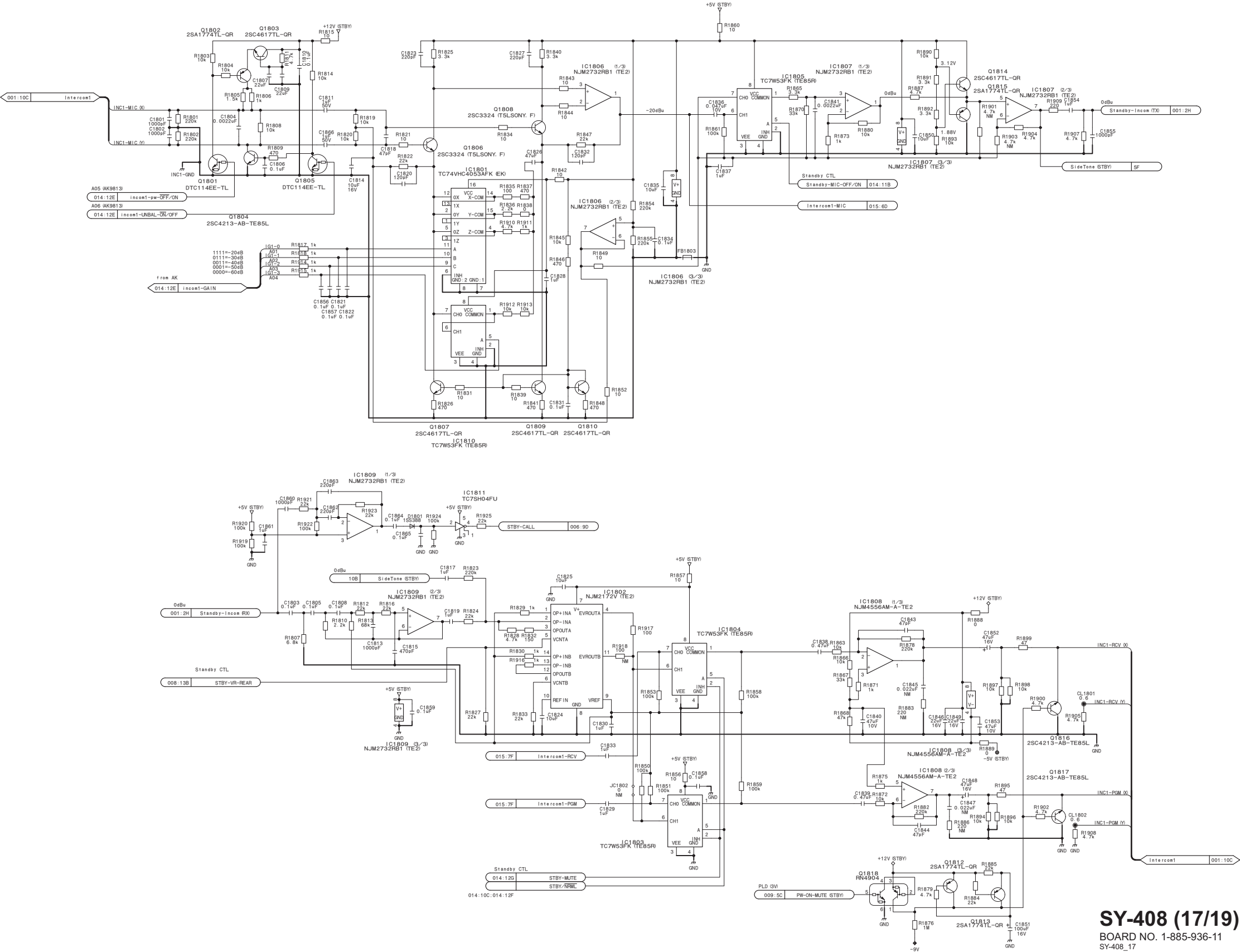


**SY-408 (15/19)**

BOARD NO. 1-885-936-11  
SY-408\_15

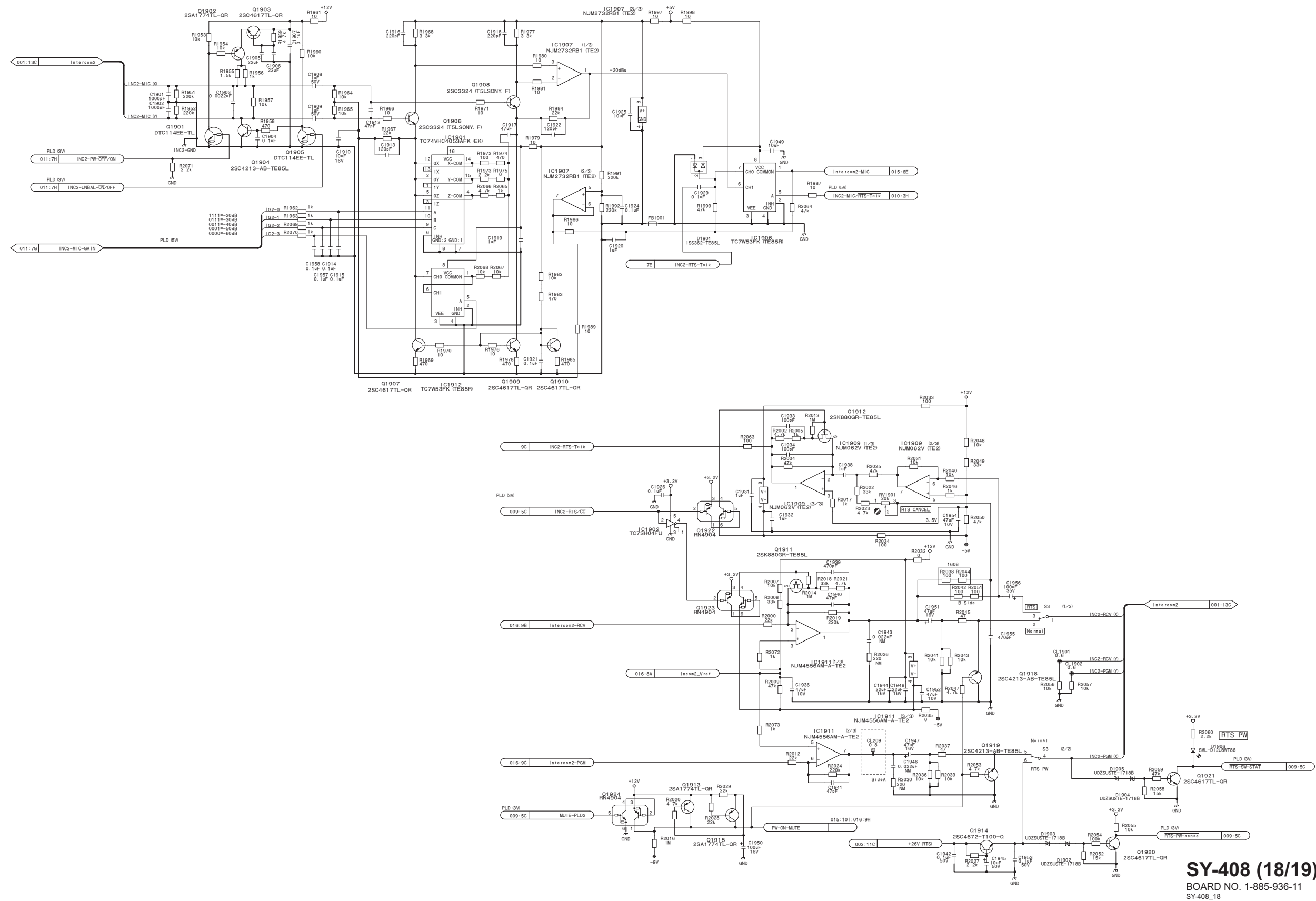


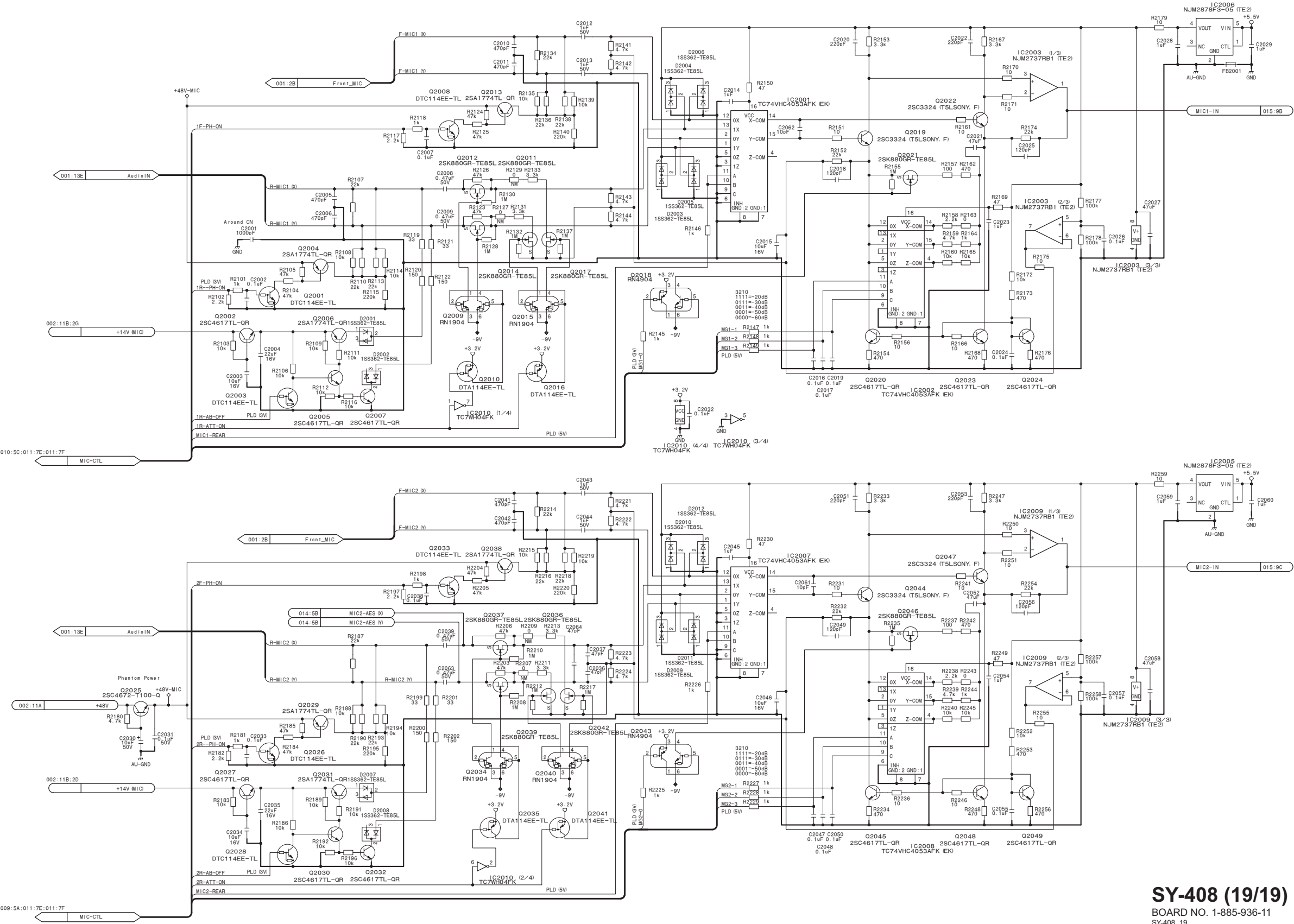




**SY-408 (17/19)**  
BOARD NO. 1-885-936-11  
SY-408\_17

## SY-408 (18/19)



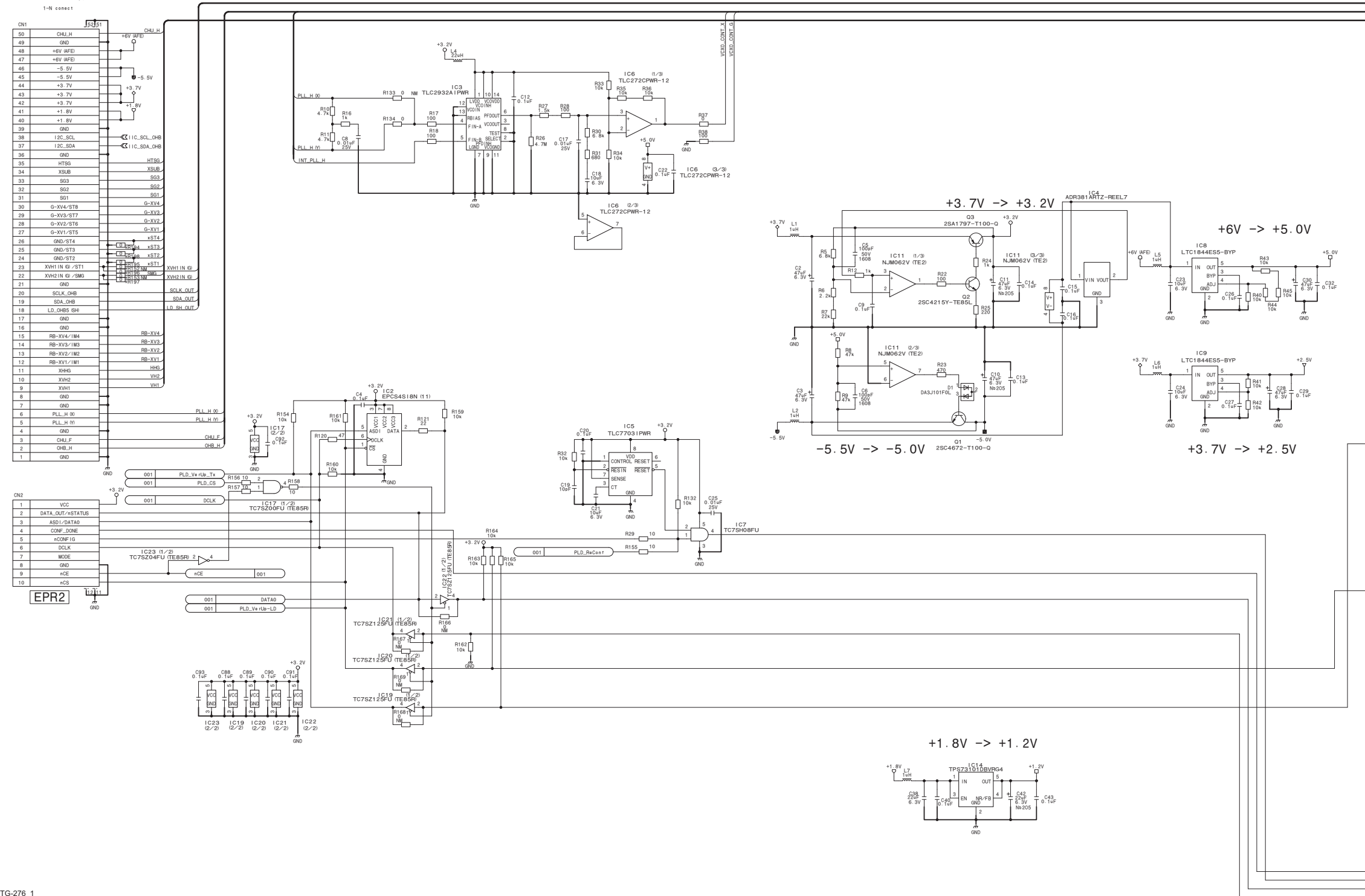


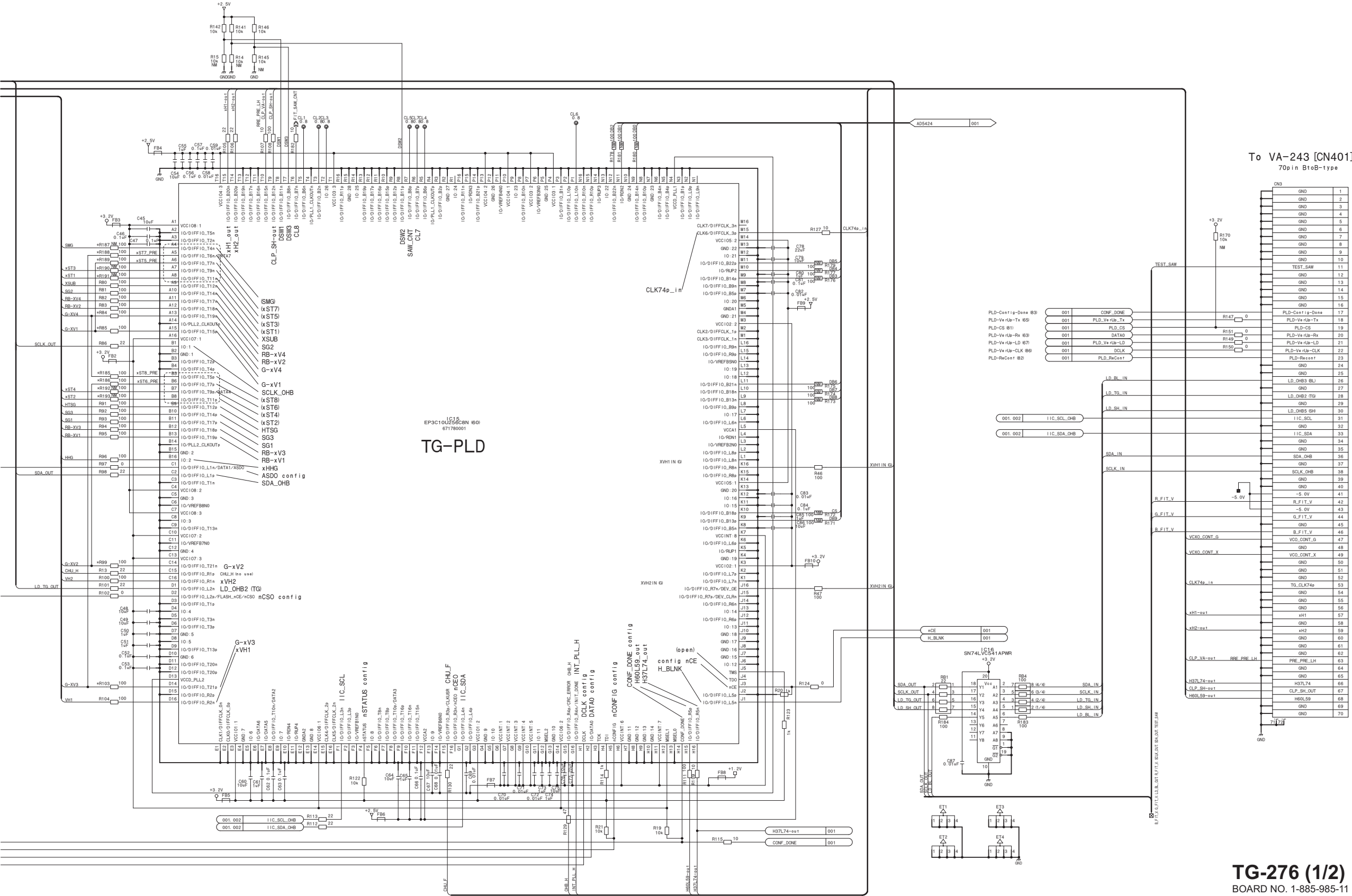
**SY-408 (19/19)**  
BOARD NO. 1-885-936-11  
SY-408\_19

TG-276  
TG-276 (1/2)\_L

To DR-657 [CN1]

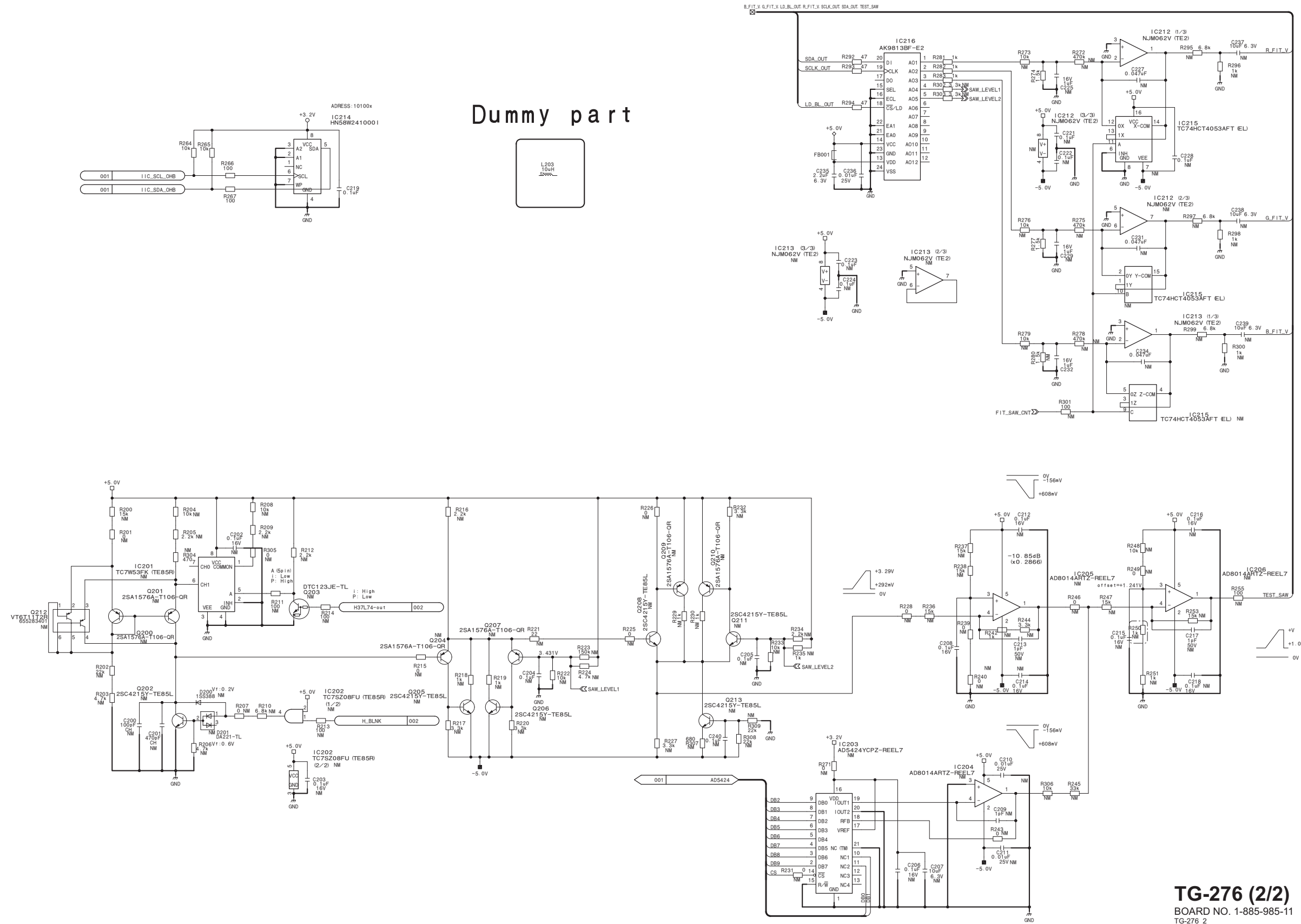
0.5mm ZIF-type  
1-N connect





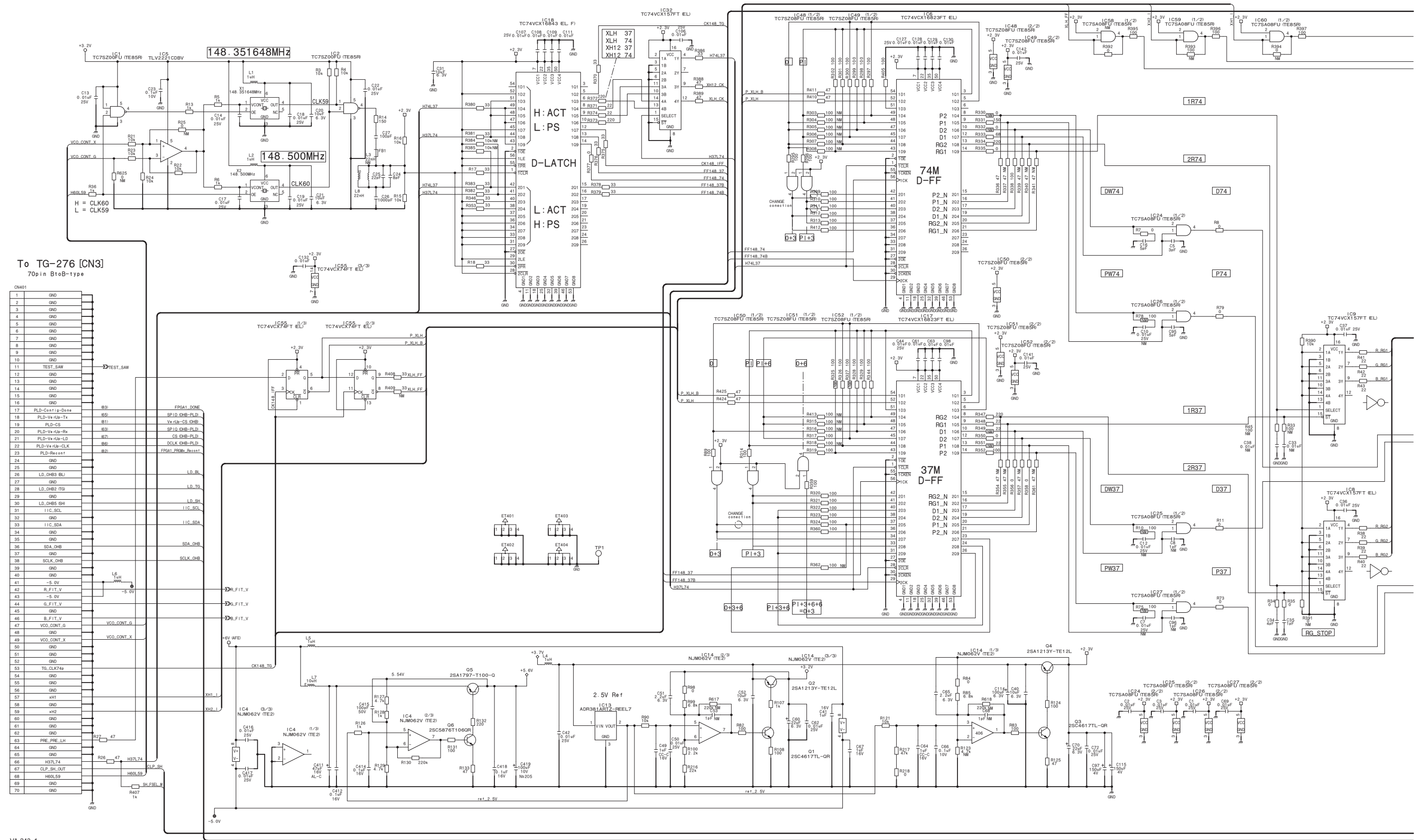


**TG-276 (2/2)**



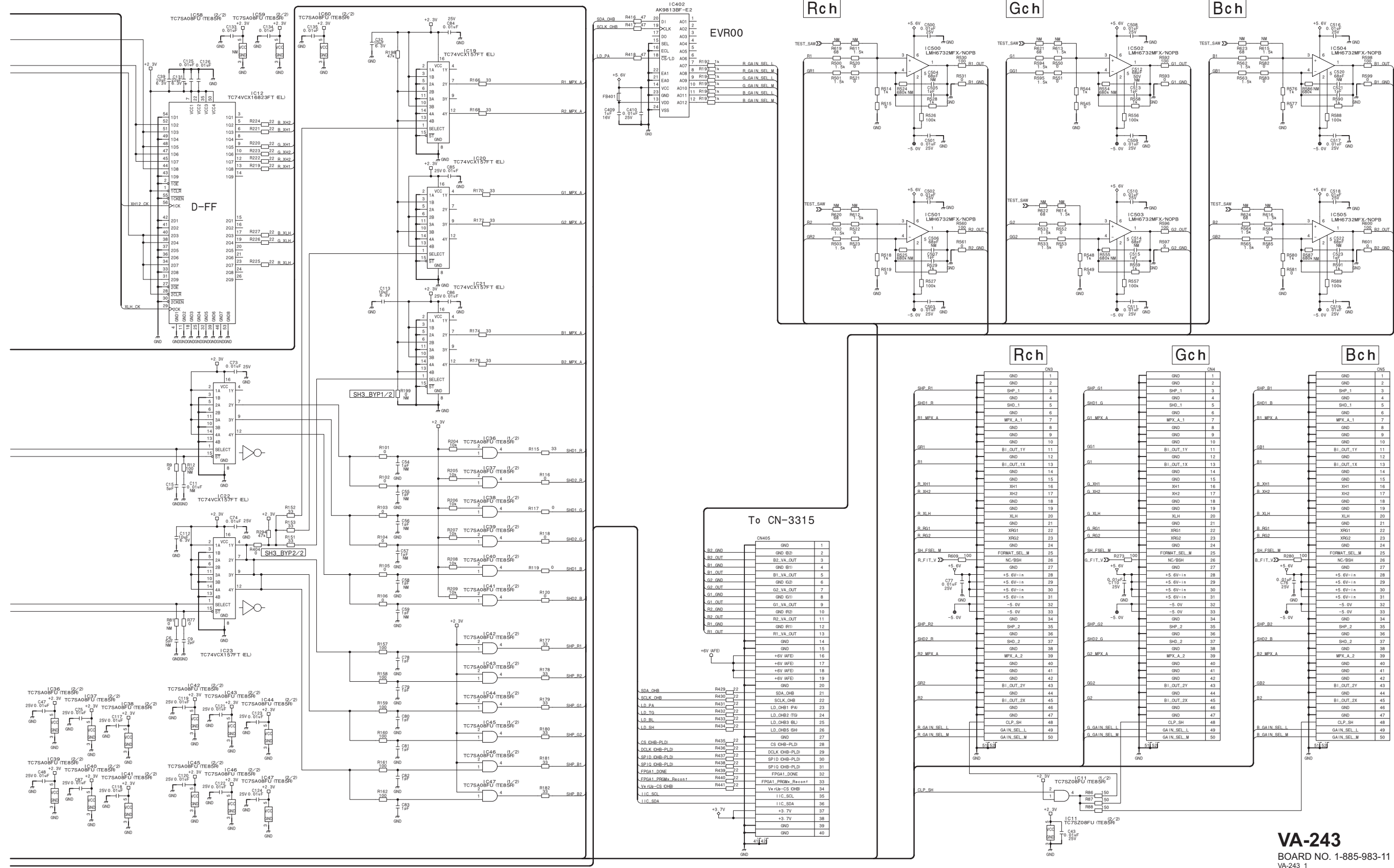


VA-243  
VA-243\_L



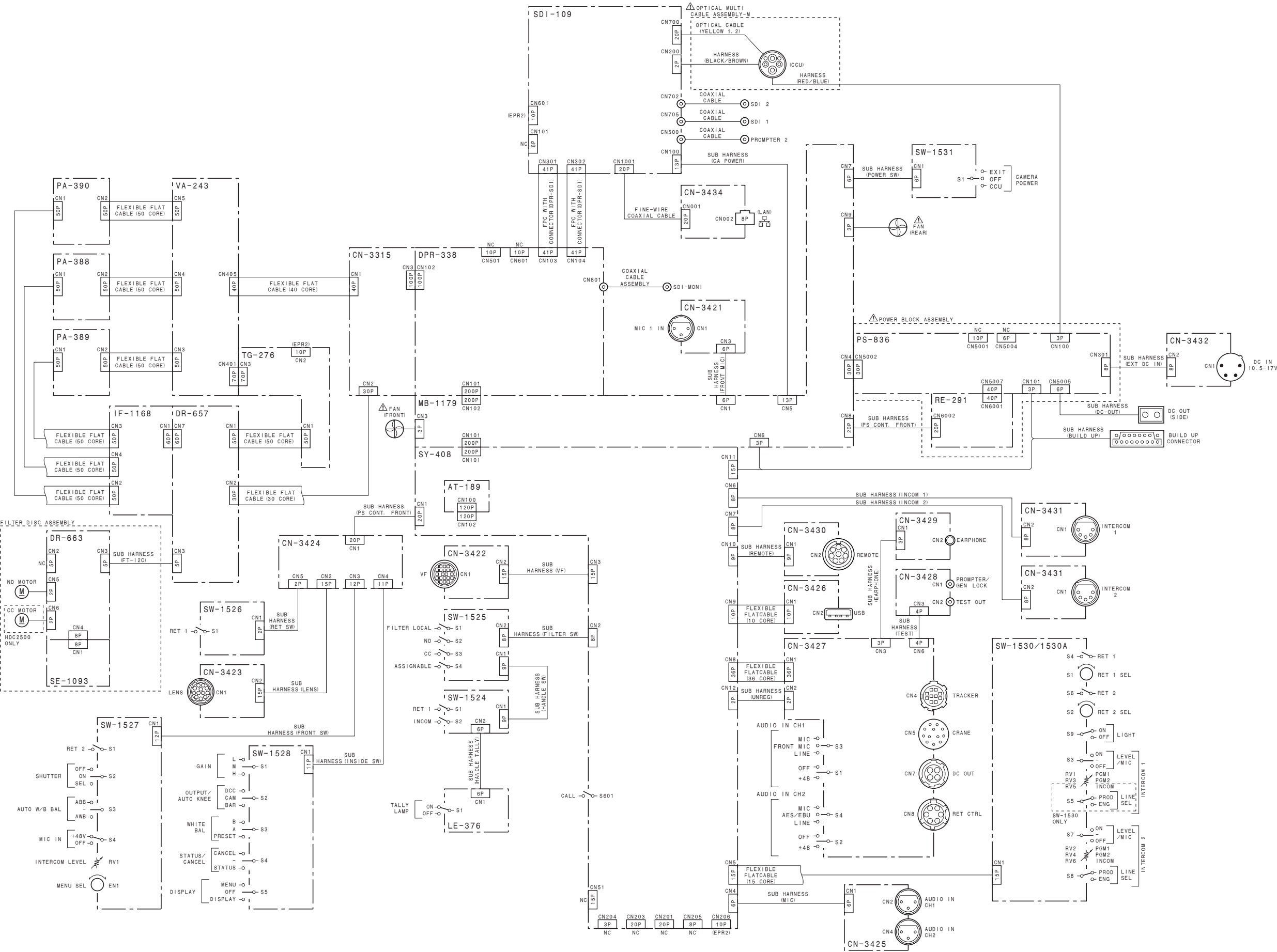


**VA-243\_R**



**VA-243**  
BOARD NO. 1-885-983-11  
VA-243\_1

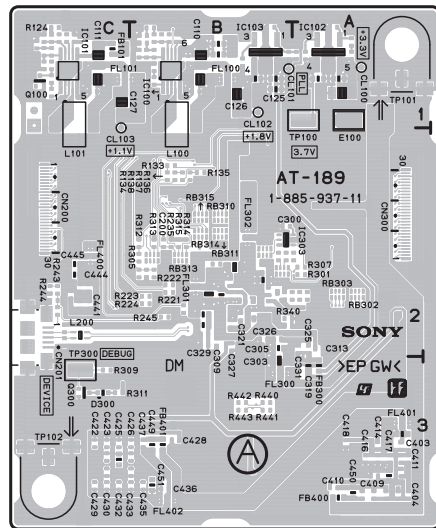
Frame Wiring



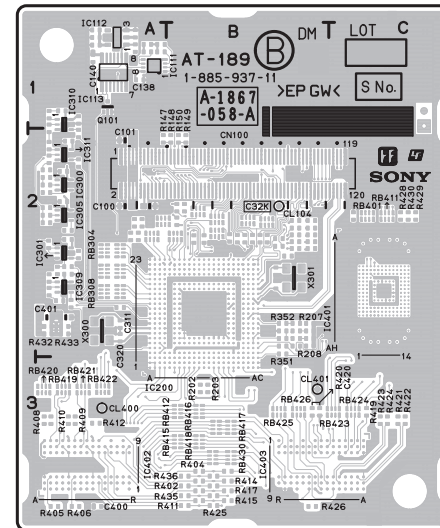
## Board Layouts

**AT-189**

The location is described at the end in this section.



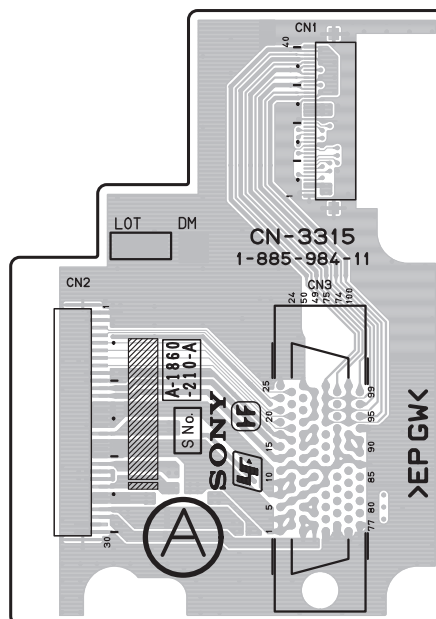
**AT-189** -A SIDE-SUFFIX: -11



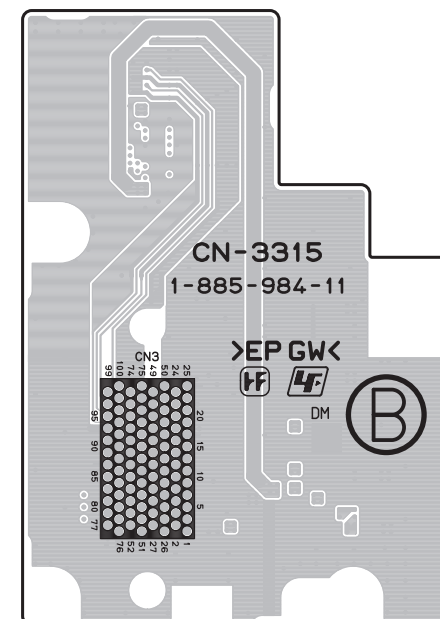
**AT-189** -B SIDE-  
SUFFIX: -11

**CN-3315**

The location is described at the end in this section.



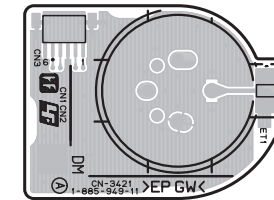
**CN-3315** -A SIDE-SUFFIX: -11



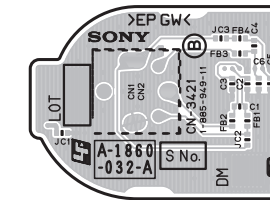
**CN-3315** -B SIDE-  
SUFFIX: -11

**CN-3421**

The location is described at the end in this section.



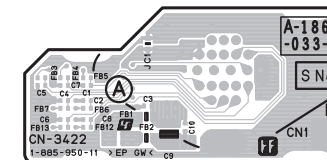
**CN-3421** -A SIDE-SUFFIX: -11



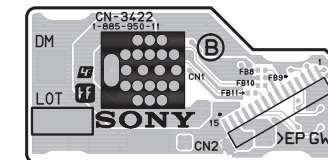
**CN-3421** -B SIDE-  
SUFFIX: -11

**CN-3422**

The location is described at the end in this section.



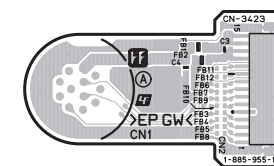
**CN-3422** -A SIDE-SUFFIX: -11



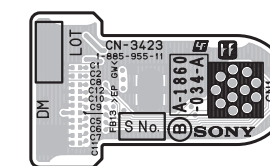
**CN-3422** -B SIDE-  
SUFFIX: -11

**CN-3423**

The location is described at the end in this section.



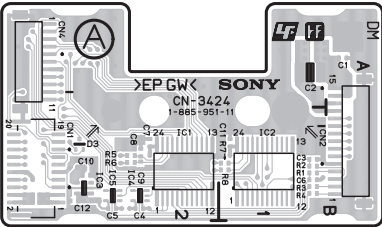
**CN-3423** -A SIDE-SUFFIX: -11



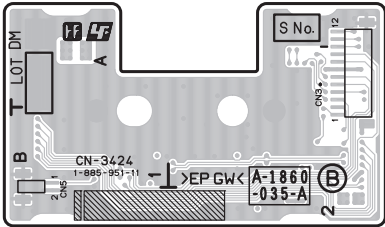
**CN-3423** -B SIDE-  
SUFFIX: -11

CN-3424

The location is described at the end in this section.



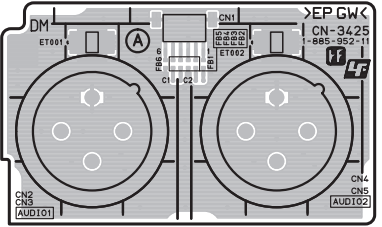
CN-3424 -A SIDE-  
SUFFIX: -11



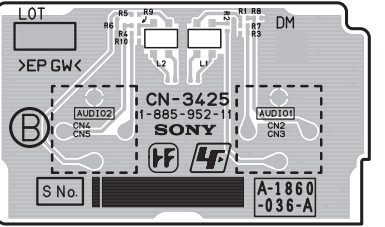
CN-3424 -B SIDE-  
SUFFIX: -11

CN-3425

The location is described at the end in this section.



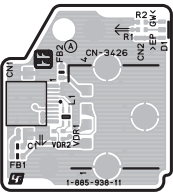
CN-3425 -A SIDE-  
SUFFIX: -11



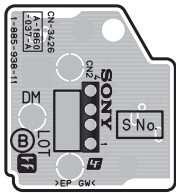
CN-3425 -B SIDE-  
SUFFIX: -11

CN-3426

The location is described at the end in this section.



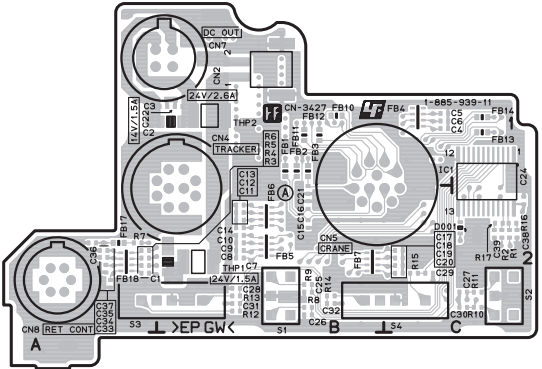
CN-3426 -A SIDE-  
SUFFIX: -11



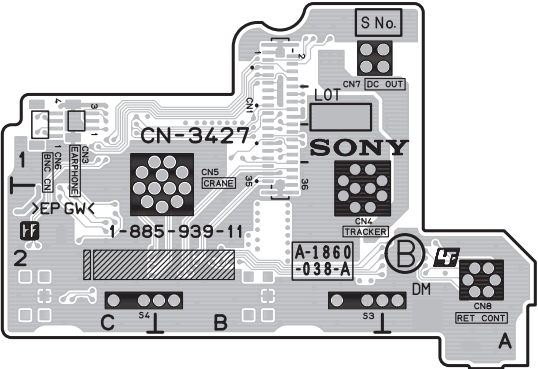
CN-3426 -B SIDE-  
SUFFIX: -11

CN-3427

The location is described at the end in this section.



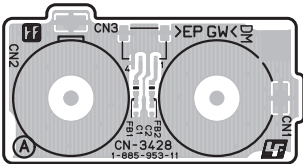
CN-3427 -A SIDE-  
SUFFIX: -11



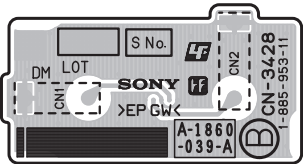
CN-3427 -B SIDE-  
SUFFIX: -11

CN-3428

The location is described at the end in this section.



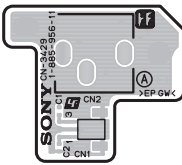
CN-3428 -A SIDE-  
SUFFIX: -11



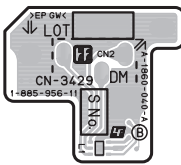
CN-3428 -B SIDE-  
SUFFIX: -11

CN-3429

The location is described at the end in this section.



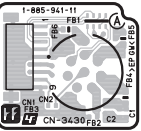
CN-3429 -A SIDE-  
SUFFIX: -11



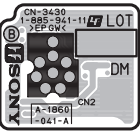
CN-3429 -B SIDE-  
SUFFIX: -11

CN-3430

The location is described at the end in this section.



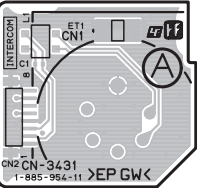
CN-3430 -A SIDE-  
SUFFIX: -11



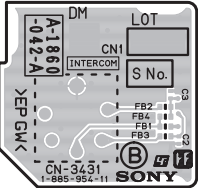
CN-3430 -B SIDE-  
SUFFIX: -11

CN-3431

The location is described at the end in this section.



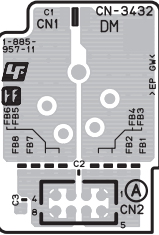
CN-3431 -A SIDE-  
SUFFIX: -11



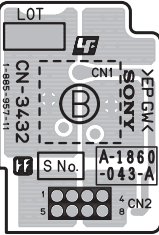
CN-3431 -B SIDE-  
SUFFIX: -11

CN-3432

The location is described at the end in this section.



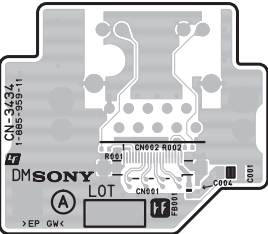
CN-3432 -A SIDE-  
SUFFIX: -11



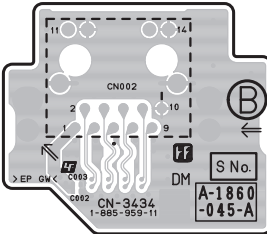
CN-3432 -B SIDE-  
SUFFIX: -11

CN-3434

The location is described at the end in this section.



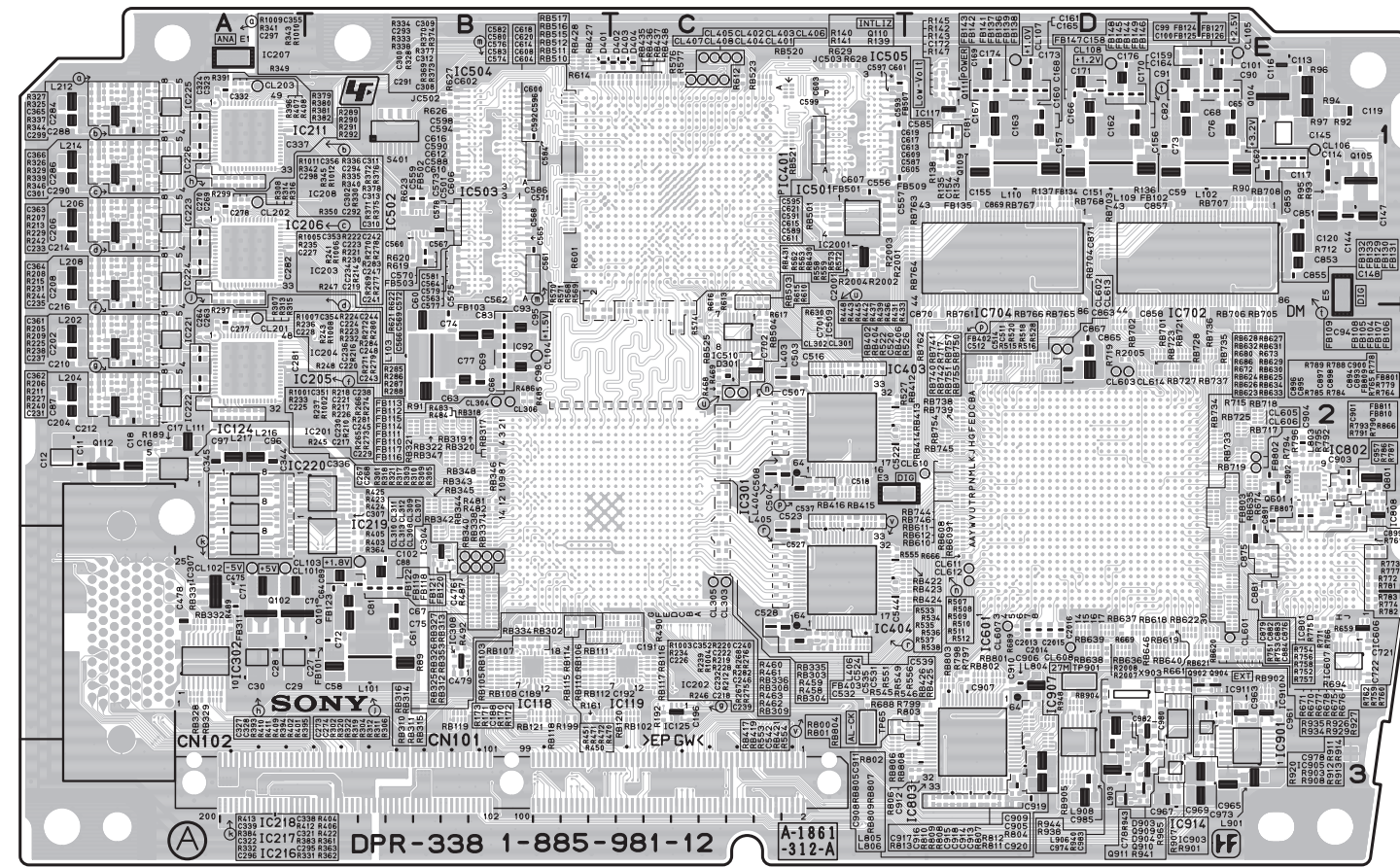
CN-3434 -A SIDE-  
SUFFIX: -11



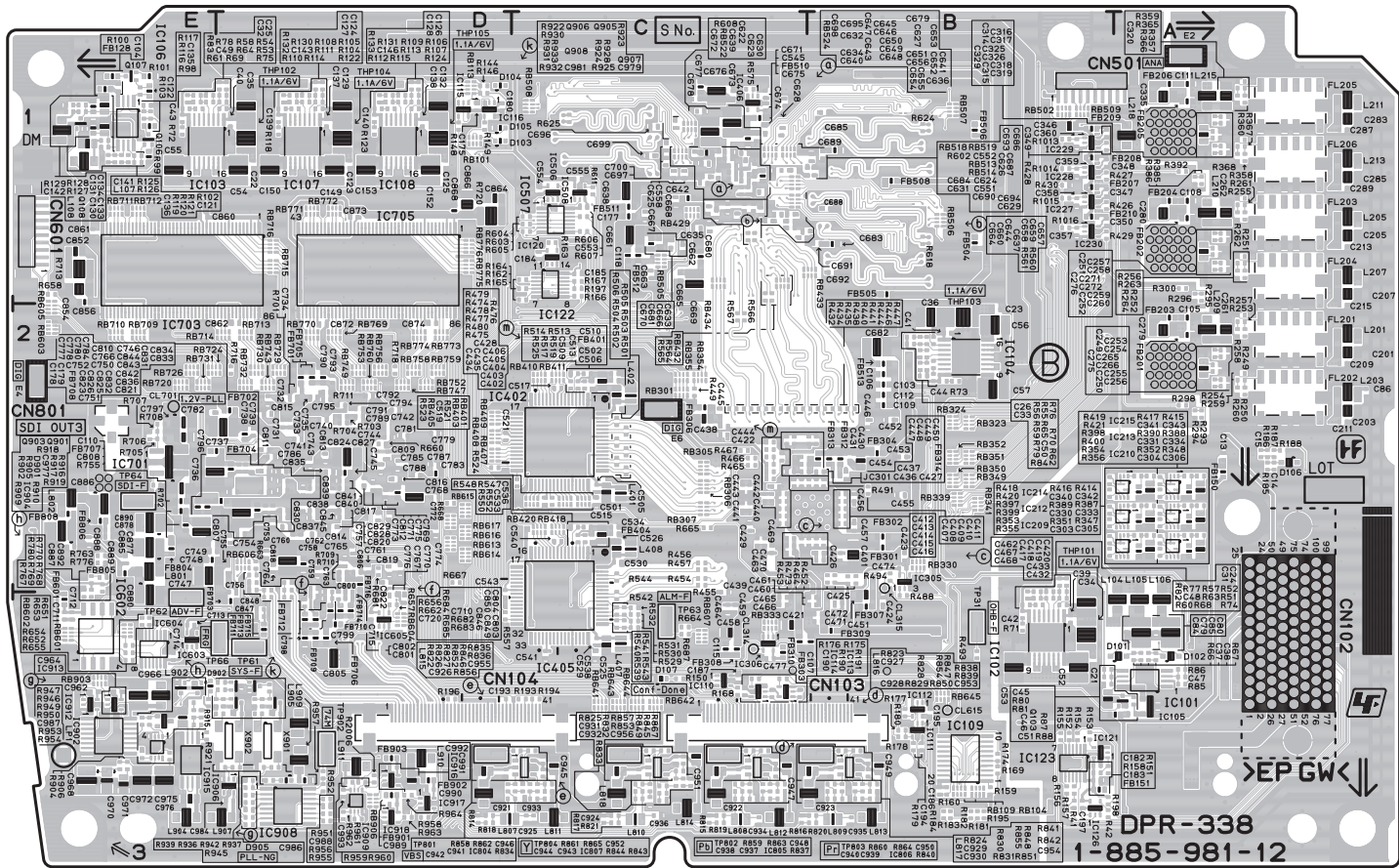
CN-3434 -B SIDE-  
SUFFIX: -11



## DPR-338



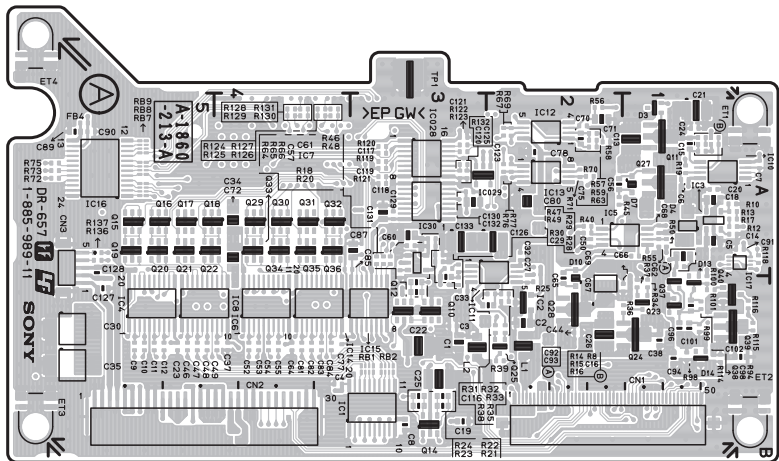
**DPR-338** -A SIDE-SUFFIX: -12



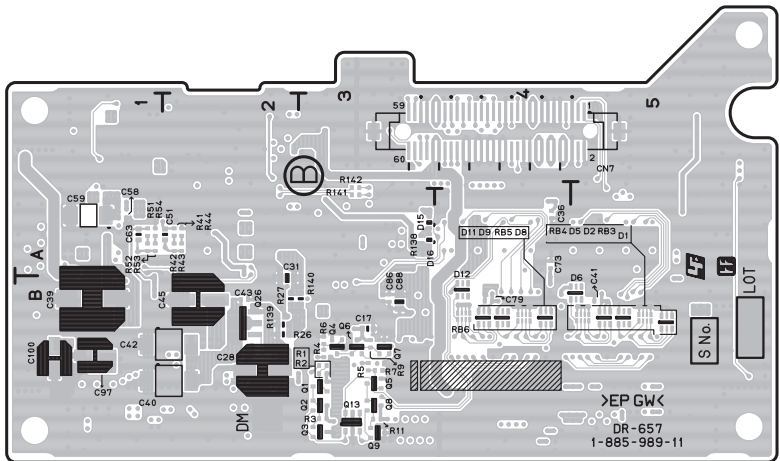
**DPR-338 -B SIDE-**  
SUFFIX: -12

## DR-657

The location is described at the end in this section.



**DR-657 -A SIDE-**  
SUFFIX: -11

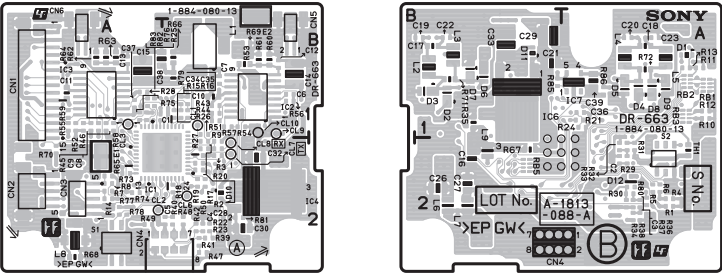


**DR-657 -B SIDE-**  
SUFFIX: -11



DR-663

The location is described at the end in this section.

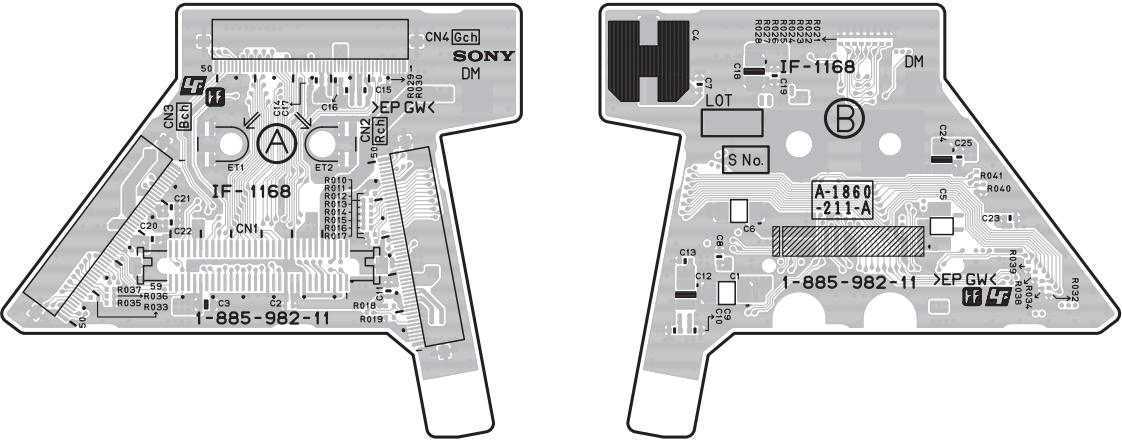


**DR-663** -A SIDE-  
SUFFIX: -13

**DR-663** -A SIDE-  
SUFFIX: -13

IF-1168

The location is described at the end in this section.

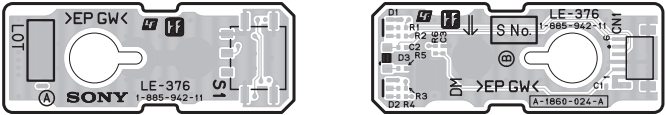


**IF-1168** -A SIDE-  
SUFFIX: -11

**IF-1168** -B SIDE-  
SUFFIX: -11

LE-376

The location is described at the end in this section.



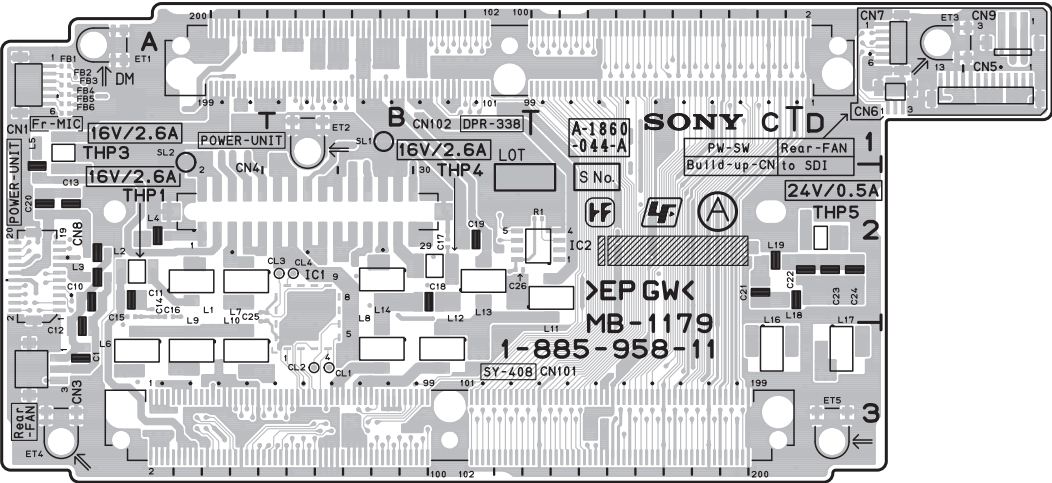
**LE-376** -A SIDE-  
SUFFIX: -11

**LE-376** -B SIDE-  
SUFFIX: -11

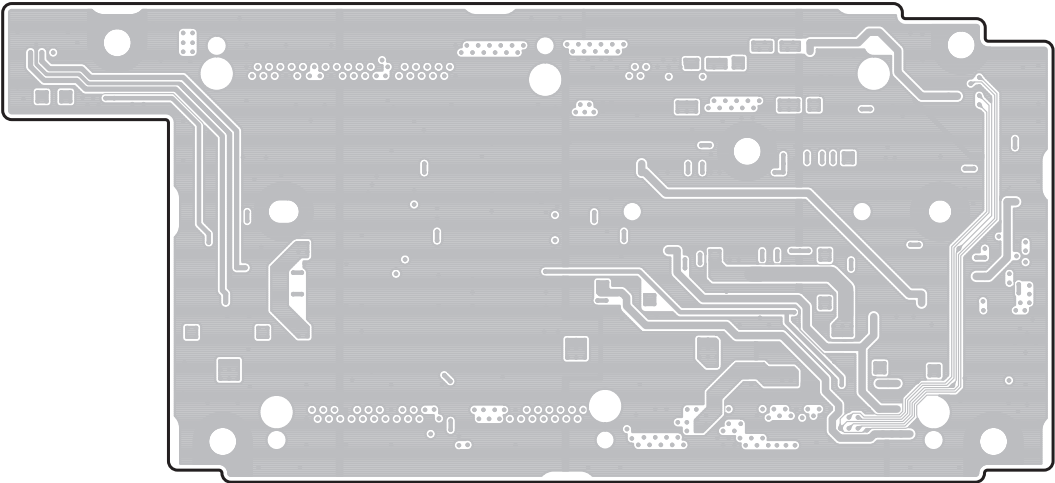


MB-1179

The location is described at the end in this section.



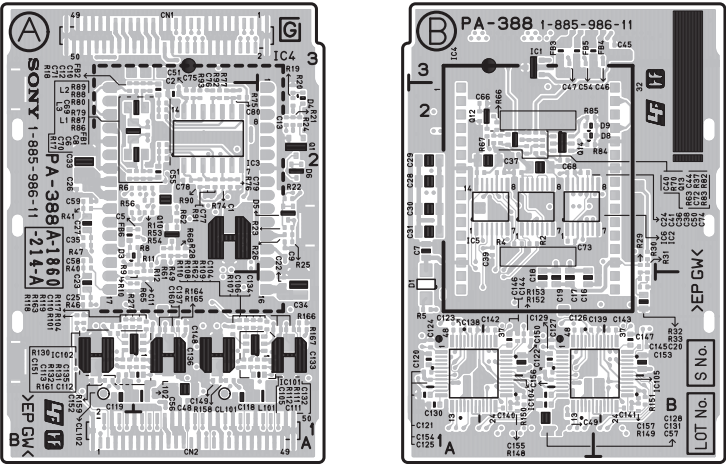
MB-1179 -A SIDE-  
SUFFIX: -11



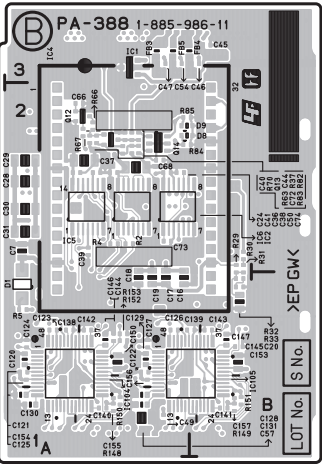
MB-1179 -B SIDE-  
SUFFIX: -11

PA-388

The location is described at the end in this section.



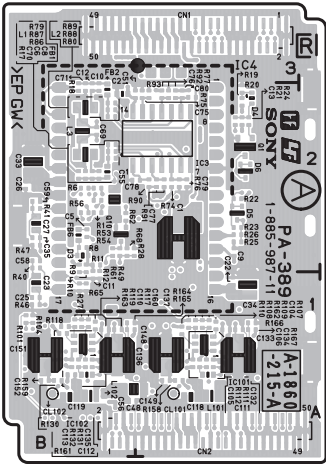
PA-388 -A SIDE-  
SUFFIX: -11



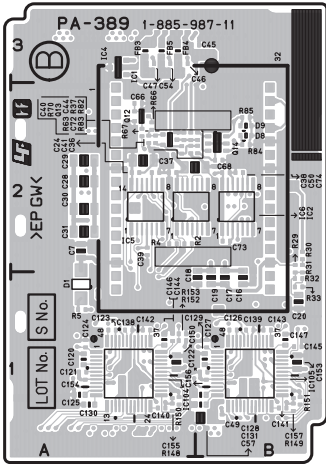
PA-388 -B SIDE-  
SUFFIX: -11

PA-389

The location is described at the end in this section.



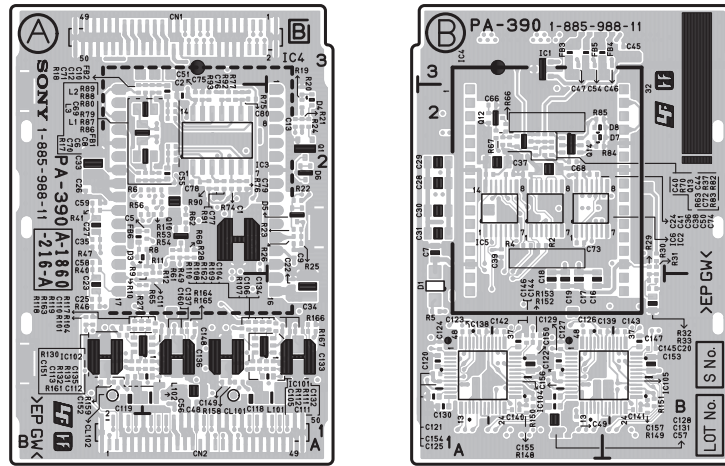
PA-389 -A SIDE-  
SUFFIX: -11



PA-389 -B SIDE-  
SUFFIX: -11

The location is described at the end in this section.

The location is described at the end in this section.

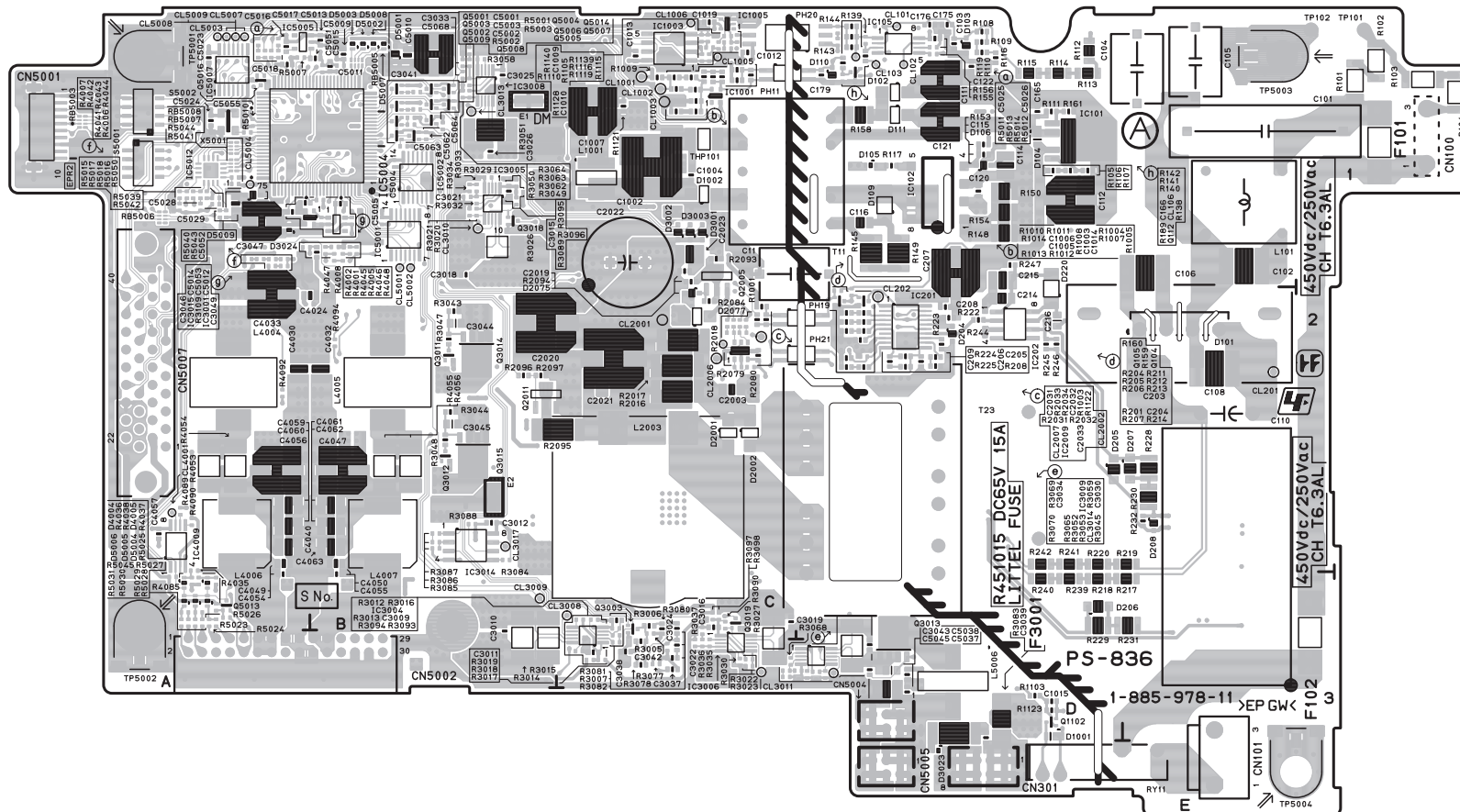


**PA-390** -A SIDE-SUFFIX: -11

**PA-390** -B SIDE-  
SUFFIX: -11

The location is described at the end in this section.

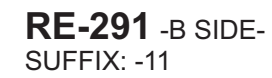
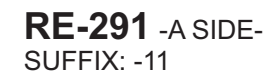
The location is described at the end in this section.



**PS-836** -A SIDE-SUFFIX: -11



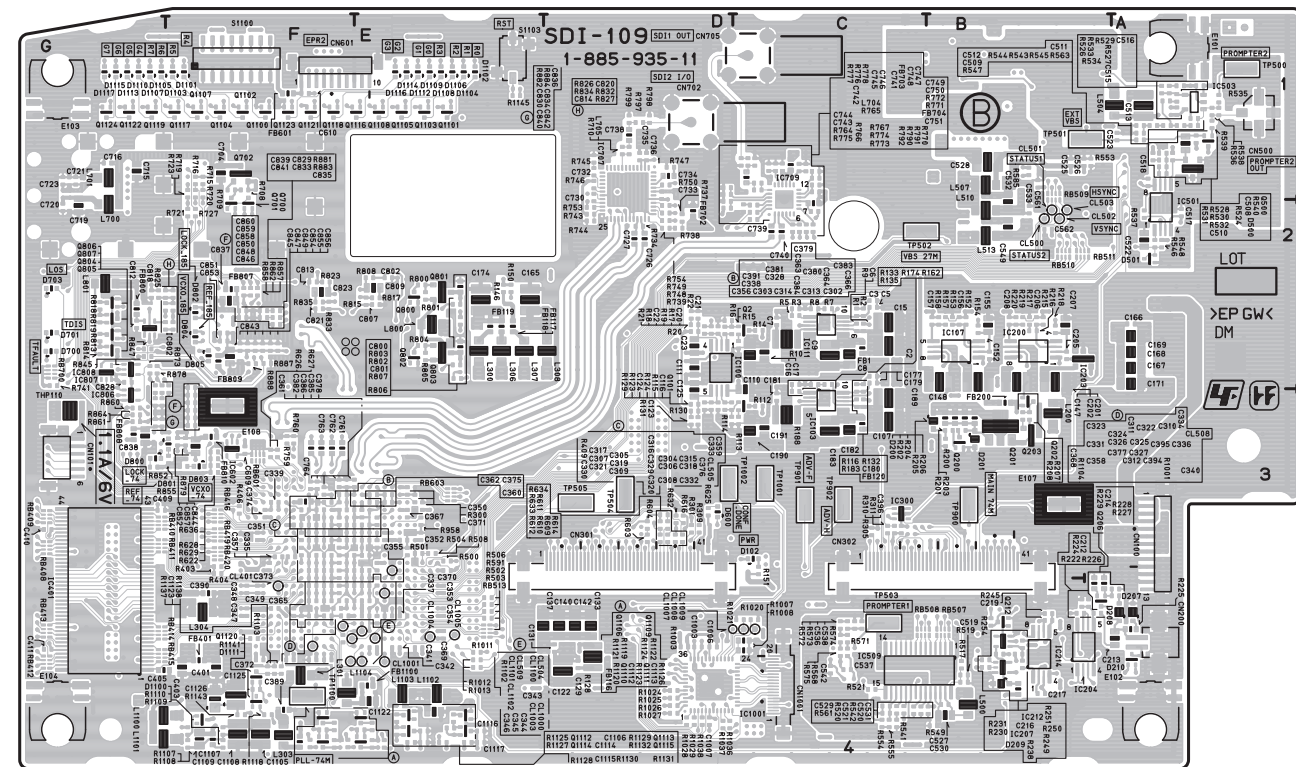
The location is described at the end in this section.





The location is described at the end in this section.

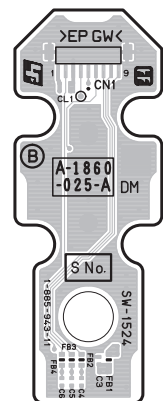
**SDI-109** -A SIDE-SUFFIX: -11



**SDI-109** -B SIDE-  
SUFFIX: -11

The location is described at the end in this section.

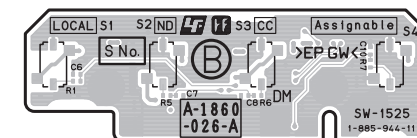
**SW-1524** -A SIDE-SUFFIX: -11



**SW-1524** -B SIDE-  
SUFFIX: -11

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.

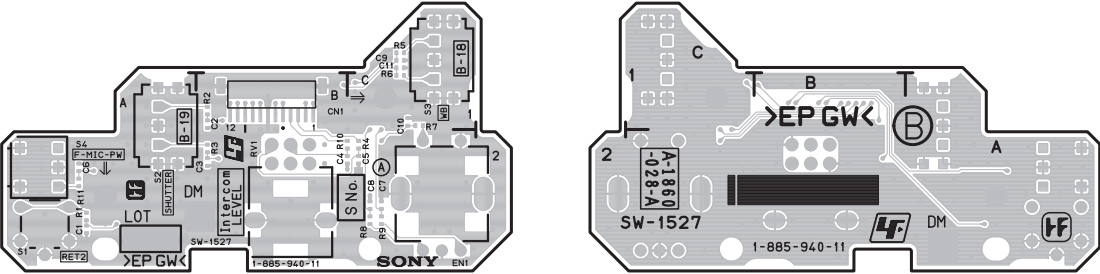


SW-1526 -A SIDE-  
SUFFIX: -11

SW-1526 -B SIDE-  
SUFFIX: -11

SW-1527

The location is described at the end in this section.

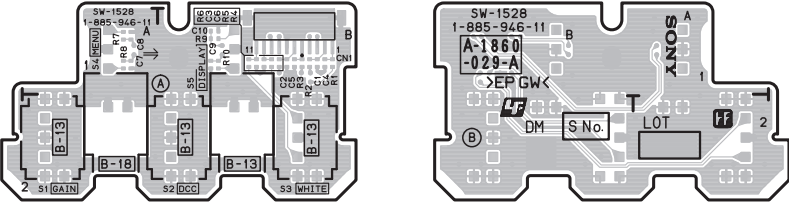


SW-1527 -A SIDE-  
SUFFIX: -11

SW-1527 -B SIDE-  
SUFFIX: -11

SW-1528

The location is described at the end in this section.

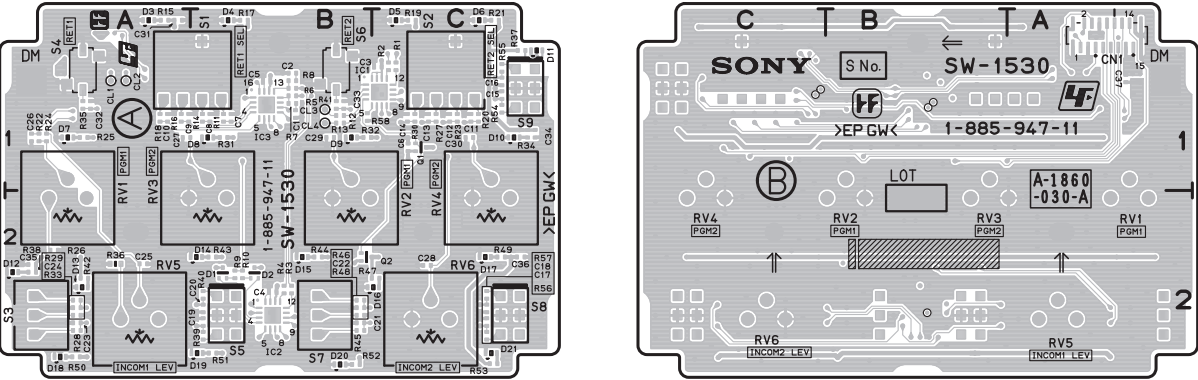


SW-1528 -A SIDE-  
SUFFIX: -11

SW-1528 -B SIDE-  
SUFFIX: -11

SW-1530

The location is described at the end in this section.



SW-1530 -A SIDE-  
SUFFIX: -11

SW-1530 -B SIDE-  
SUFFIX: -11

SW-1531

The location is described at the end in this section.

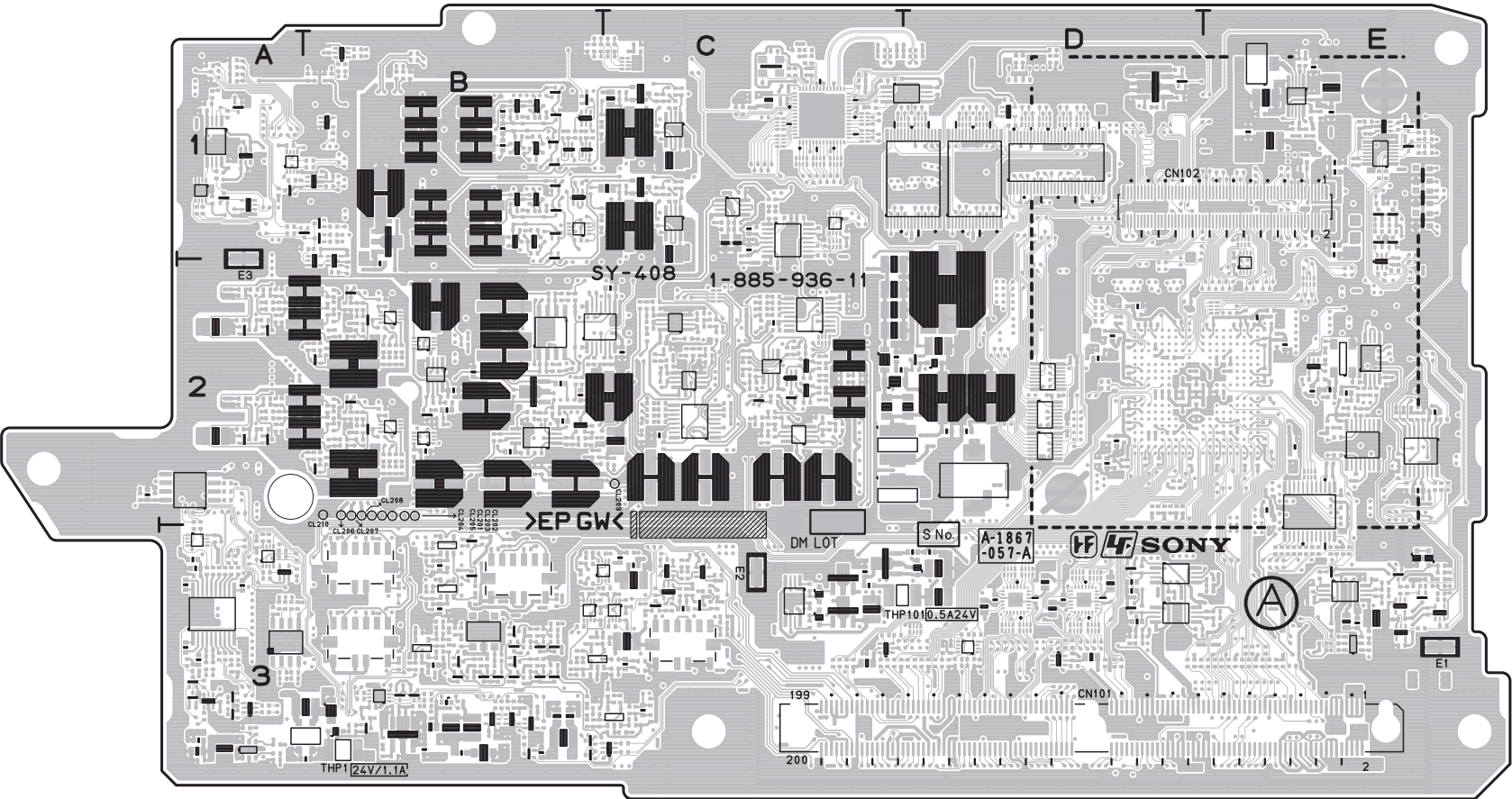


SW-1531 -A SIDE-  
SUFFIX: -11

SW-1531 -B SIDE-  
SUFFIX: -11

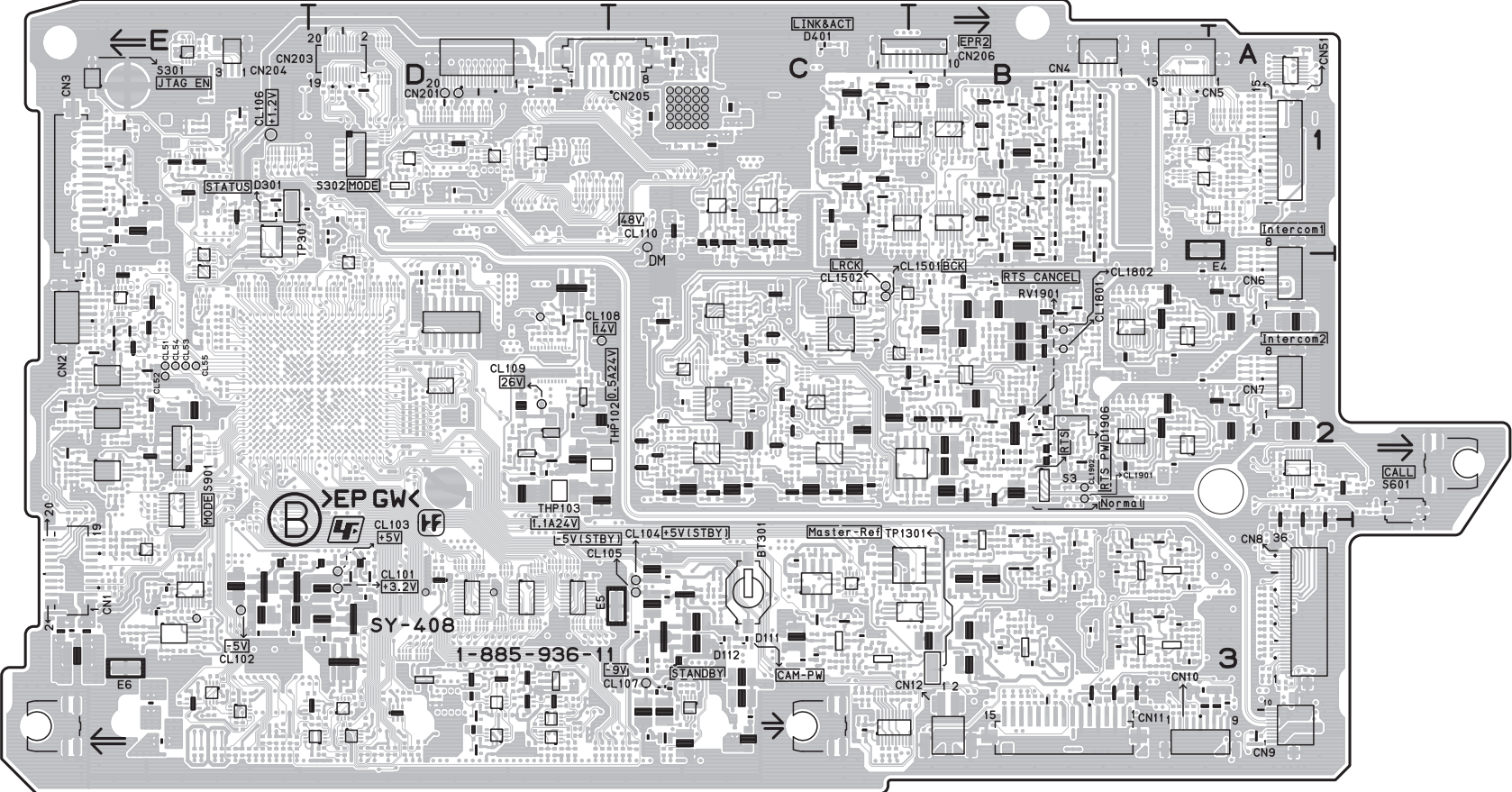
**SY-408**

The location is described at the end in this section.



**SY-408** -A SIDE-  
SUFFIX: -11

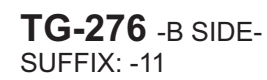
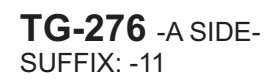




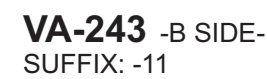
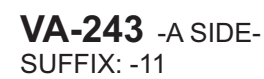
**SY-408** -B SIDE-  
SUFFIX: -11



The location is described at the end in this section.



The location is described at the end in this section.



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>1-885-984-11<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 |                                      |                                      |
|                                     | 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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|       |      |       |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |        |      |
|-------|------|-------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| FB702 | * D2 | 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     |      |
| FB703 | * D3 | 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     |      |
| FB704 | * D2 | 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     |      |
| FB705 | * D2 | 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     |      |
| FB706 | * D3 | 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     |      |
| FB707 | * E2 | 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     |      |
| FB708 | * D2 | 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   |      |
| FB709 | * D3 | 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   |
| FB710 | * D3 | 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   |
| FB711 | * D3 | 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 |
| FB712 | * D3 | 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    |        |      |
| FB713 | * D3 | 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   |
| FB714 | * D3 | 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    |        |      |
| FB715 | * D3 | 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 |
| FB716 | * D2 | 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 |
| FB801 | E2   | 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 |
| FB802 | E2   | 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 |
| FB803 | E2   | 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 |
| FB804 | * E2 | 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  |        |      |
| FB805 | * E2 | 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 |
| FB806 | * E2 | 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 |
| FB807 | E2   | 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 |
| FB808 | * E2 | 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 |
| FB809 | E2   | 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 |
| FB810 | E2   | 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   |
| FB811 | E2   | 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 |
| FB901 | * D3 | 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 |
| FB902 | * D3 | 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 |
| FB903 | * D3 | 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 |
|       |      | 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 |
| FL201 | * A2 | 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   |
| FL202 | * A2 | 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 |
| FL203 | * A1 | 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  |        |      |
| FL204 | * A1 | 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 |
| FL205 | * A1 | 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 |
| FL206 | * A1 | 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   |
|       |      | 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    |        |      |
| IC101 | * A3 | 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    |        |      |
| IC102 | * B3 | 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    |        |      |
| IC103 | * E1 | 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    |        |      |
| IC104 | * B2 | 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    |        |      |
| IC105 | * A3 | 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    |        |      |
| IC106 | * E1 | 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    |        |      |
| IC107 | * D1 | 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    |        |      |
| IC108 | * D1 | IC705 | * D1 | L813 | * B3   |      | R86  | * A3 | R169 | * B3 | R257 | * A2 | R342 | A1   | R425 | B2   | R514 | * C2 | R621 | B1   | R766 | E3   | R850 | * C3 | R966  | * D3  | RB338 | B2    | RB603 | * E2  | RB741 | D2    |        |      |
| IC109 | * B3 | 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    |        |      |
| IC110 | * C3 | 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  |        |      |
| IC111 | * B3 | 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    |        |      |
| IC112 | * B3 | IC804 | * C3 | L817 | * B3</ |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |        |      |

HDC2500/HDC2400 9-19

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| A1<br>R167 | <b>PA-390</b><br>1-885-988-11<br>*: B SIDE | C127<br>C128<br>C129<br>C130<br>C131<br>C132<br>C133<br>C134<br>C135<br>C136<br>C137<br>C138<br>C139<br>C140<br>C141<br>C142<br>C143<br>C144<br>C145<br>C146<br>C147<br>C148<br>C149<br>C150<br>C151<br>C152<br>C153<br>C154<br>C155<br>C156<br>C157<br>C160 | 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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 |
| D6001 B3   |  | 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 |
| D6002 B2   |  | 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 |
| D6003 *B3  |  | 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 |
| D6004 B2   |  | R6027 *B2 |                                             | C160 B3  | C330 *F3 | C503 B1  | C735 *D1  | C931 B3    | CL1102 *F4 | FB110 F4   | IC707 *D1 | Q402 G4  | R114 *D3 | R216 *B2 | R518 B1  | R619 D3  | R805 *E2 |
| D6005 *B3  |  | R6028 *B2 |                                             | C2 *C2   | C331 *F4 | C504 B1  | C736 *D1  | C932 C3    |            | FB112 B2   | IC708 G2  | Q403 G4  | R115 *D3 | R217 *B2 | R519 *B4 | R622 *F3 | R806 *E2 |
| D6006 *A3  |  | R6029 *B2 |                                             | C3 *C2   | C332 *E3 | C505 B1  | C737 G3   | C933 C4    | CN100 *A3  | FB113 B2   | IC709 *C2 | Q500 *A1 | R116 *C2 | R218 *B2 | R520 *C4 | R624 D3  | R807 *E2 |
| D6007 *B1  |  | R6030 *B2 |                                             | C4 C2    | C333 *E3 | C506 B1  | C738 *D1  | C937 C3    | CN101 *G3  | FB114 A2   | IC800 F2  | Q600 D3  | R117 D3  | R219 *B2 | R521 *C4 | R625 *D3 | R808 *E2 |
| D6008 *A1  |  | R6031 B1  |                                             | C5 *C2   | C334 *E4 | C507 C1  | C739 *C2  | C1000 D4   | CN200 *A4  | FB115 A2   | IC802 *G2 | Q700 *F2 | R118 D3  | R220 *B2 | R522 B1  | R626 *F3 | R809 E2  |
| D6011 *A3  |  | R6032 A1  |                                             | C6 *C2   | C335 *F3 | C508 *A1 | C740 *C2  | C1001 D4   | CN301 *D3  | FB116 *F4  | IC803 F2  | Q701 *F2 | R119 D4  | R221 B4  | R523 B1  | R627 *F3 | R810 E2  |
| D6012 B1   |  | R6033 *B1 |                                             | C7 *C2   | C336 *E4 | C509 *A1 | C741 *C1  | C1002 D4   | CN302 *B3  | FB117 *E2  | IC805 F2  | Q702 *F1 | R120 D4  | R222 *B4 | R524 *A1 | R628 *F3 | R811 E2  |
| E1 B3      |  | R6034 *B3 |                                             | C8 *C2   | C167 *A2 | C510 *A1 | C742 *C1  | C1003 *D4  | CN500 *A1  | FB118 *E2  | IC806 *G3 | Q800 *E2 | R121 D3  | R223 B4  | R525 B1  | R629 *F3 | R812 E2  |
| E2 B1      |  | R6035 *B3 |                                             | C9 *C2   | C168 *A2 | C511 *A1 | C743 *D1  | C1004 D4   | CN601 *F1  | FB119 *E2  | IC807 *G2 | Q801 *E2 | R122 E4  | R224 *B4 | R526 *A1 | R630 D4  | R813 *G2 |
|            |  | R6036 *B3 | C10 C2                                      | C169 *A2 | C339 *F3 | C512 *A1 | C1005 D4  | CN700 G1   | FB120 *C3  | IC808 *G2  | Q802 *E2  | R123 *D3 | R225 *A4 | R527 *A1 | R632 *D3 | R814 *G2 |          |
|            |  | R6037 A1  | C11 C2                                      | C170 A3  | C340 *E4 | C513 *A1 | C1006 *D4 | CN702 *D1  | FB121 C3   | IC812 F2   | Q803 *E2  | R124 *D3 | R226 *B4 | R528 *A1 | R633 *D3 | R815 *E2 |          |
| FB6001 A2  |  | R6038 *B3 | C12 C2                                      | C171 *A2 | C341 *E4 | C514 A1  | C1007 *D4 | CN705 *C1  | FB122 C3   | IC813 F3   | Q804 *G2  | R125 D3  | R227 *A4 | R529 *A1 | R634 *D3 | R816 G2  |          |
|            |  | R6039 *B3 | C13 C2                                      | C172 A2  | C342 *E4 | C515 *A1 | C1008 D4  | CN1001 *C4 | FB123 C3   | IC904 B4   | Q805 *G2  | R126 D2  | R228 *A4 | R530 *A1 | R635 D3  | R817 *E2 |          |
| IC6001 *B2 |  | R6040 *A3 | C14 C2                                      | C174 *E2 | C343 *E4 | C516 *A1 | C1009 D4  |            | FB124 C3   | IC908 C3   | Q806 *G2  | R127 E4  | R229 *B4 | R531 *A1 | R636 *F3 | R818 *G2 |          |
| IC6002 B3  |  | R6041 *B3 | C15 *C2                                     | C175 B4  | C344 *F4 | C517 *A2 | C1010 D4  | D100 B2    | FB125 B3   | IC1001 *D4 | Q807 *G2  | R128 *D4 | R230 *B4 | R532 *A1 | R700 F3  | R819 *G2 |          |
| IC6003 B2  |  | R6042 *B3 | C16 *C2                                     | C176 B1  | C345 *F4 | C518 *A1 | C1011 C4  | D101 B2    | FB200 *B3  | IC1003 D4  | Q808 G3   | R129 *D3 | R231 *B4 | R533 *A1 | R701 F3  | R820 G2  |          |
| IC6004 *B3 |  | R6043 *B3 | C17 *C2                                     | C177 *C2 | C346 *F4 | C519 *B4 | C1012 C4  | D102 *C3   | FB201 B3   | IC1101 F4  | Q809 F3   | R130 *D3 | R232 B4  | R534 *A1 | R702 F3  | R821 G2  |          |
| IC6005 *B1 |  | R6044 *A3 | C20 *D2                                     | C178 C3  | C347 *F4 | C520 *C4 | C1013 C4  | D200 *B3   | FB300 E4   | IC1102 F4  | Q810 F2   | R131 *D3 | R233 B4  | R535 *A1 | R703 F3  | R822 G2  |          |
| IC6006 *A1 |  | R6045 *A3 | C21 *D2                                     | C179 *C2 | C348 *F4 | C521 *C4 | C1018 D4  | D201 *B3   | FB301 E4   | IC1103 F4  | Q811 F3   | R132 *C2 | R234 B4  | R536 *A1 | R704 F3  | R823 *F2 |          |
| IC6008 *B3 |  | R6046 *A3 | C22 *D2                                     | C180 *C3 | C349 *F4 | C522 *A2 | C1019 D4  | D202 B3    | FB400 G4   | IC1111 F4  | Q812 F2   | R133 *C2 | R235 B4  | R537 *A2 | R705 F3  | R824 E2  |          |
| IC6009 *A3 |  | R6047 *A3 | C23 *D2                                     | C181 *C3 | C350 *E3 | C523 *A1 | C1020 C4  | D203 B3    | FB401 *F4  | IC1122 E4  | Q813 F2   | R134 C3  | R236 B4  | R538 *A1 | R706 F3  | R825 *G2 |          |
| IC6010 *A3 |  | R6048 *A3 | C24 C2                                      | C182 *C3 | C351 *F3 | C524 B1  | C1100 F4  | D204 B3    | FB601 *F1  |            | Q1100 *F1 | R135 *C3 | R237 B4  | R539 *A1 | R707 F3  | R826 *F2 |          |
| IC6011 *A3 |  | R6049 B1  | C25 D2                                      | C183 *C3 | C352 *E3 | C525 *B1 | C1101 F4  | D205 B2    | FB702 *D2  | L1 C2      | Q1101 *E1 | R136 C3  | R238 *B4 | R540 *A1 | R708 *F1 | R827 *F2 |          |
| IC6012 B1  |  | R6050 B1  | C26 D2                                      | C184 C3  | C353 *E4 | C526 *B1 | C1102 G4  | D206 B2    | FB703 *C1  | L100 D2    | Q1102 *F1 | R137 C4  | R239 B4  | R541 *C4 | R709 *F1 | R828 F2  |          |
|            |  | R6051 B1  | C100 D3                                     | C185 C3  | C354 *E4 | C527 *B4 | C1103 G4  | D207 *A4   | FB704 *C2  | L101 D4    | Q1103 *E1 | R138 C4  | R240 B4  | R542 *C4 | R710 *D1 | R829 F2  |          |
| L6002 B3   |  | R6052 B1  | C101 D4                                     | C186 C3  | C355 *E3 | C528 *B1 | C1104 G4  | D208 *A4   | FB800 *G2  | L102 B2    | Q1104 *F1 | R139 B2  | R241 B4  | R543 *A1 | R715 *F1 | R830 F2  |          |
| L6003 B2   |  | R6053 B1  | C102 C2                                     | C187 C3  | C356 *F3 | C529 *C4 | C1105 *F4 | D209 *B4   | FB801 F2   | L103 C3    | Q1105 *E1 | R140 B2  | R245 *B4 | R544 *A1 | R716 *F1 | R831 E2  |          |
| L6004 B3   |  | R6054 B1  | C103 D3                                     | C188 C3  | C357 *F3 | C530 *B4 | C1106 *E4 | D210 *A4   | FB802 E2   | L200 *B3   | Q1106 *F4 | R141 C4  | R246 B4  | R545 *A1 | R719 *F1 | R832 *F2 |          |
| L6005 A1   |  | R6055 A1  | C104 D4                                     | C189 *C3 | C358 *F4 | C531 *B4 | C1107 *F4 | D500 *A1   | FB803 F2   | L300 *E2   | Q1107 *F1 | R142 A3  | R247 B4  | R546 *A2 | R720 *F1 | R833 *F2 |          |
| L6006 B1   |  | R6056 A1  | C105 D3                                     | C190 *C3 | C359 *E3 | C532 *B2 | C1108 *F4 | D501 *A2   | FB804 F2   | L301 *F4   | Q1108 *E1 | R143 A3  | R249 *B4 | R547 *A1 | R721 *F2 | R834 *F2 |          |
| L6007 *B1  |  | R6057 A1  | C106 D4                                     | C191 *C3 | C360 *E3 | C533 *B2 | C1109 *F4 | D600 *D3   | FB805 F2   | L302 F4    | Q1109 *E4 | R144 A3  | R250 *B4 | R548 *A2 | R723 *F1 | R835 *F2 |          |
| L6008 *A1  |  | R6058 A1  | C107 *C3                                    | C195 A3  | C361 *F3 | C534 C4  | C1112 *F4 | D700 *G2   | FB806 G3   | L303 *F4   | Q1110 *F4 | R145 C3  | R251 *B4 | R549 *B4 | R727 *F2 | R836 E2  |          |
| L6009 *B1  |  | R6059 A1  | C108 D3                                     | C200 B3  | C362 *E3 | C536 *C4 | C1113 *E4 | D701 *G2   | FB807 *F2  | L304 *F4   | Q1111 *E4 | R146 *E2 | R254 *B4 | R550 B1  | R734 *D2 | R837 F2  |          |
| L6010 B3   |  | R6060 *A3 | C109 D4                                     | C201 *B2 | C363 *F3 | C537 *C4 | C1114 *E4 | D703 *G2   | FB808 *G3  | L306 *E2   | Q1112 *E4 | R147 A3  | R256 B3  | R551 B1  | R737 *D2 | R838 F2  |          |
| L6011 B3   |  | R6061 *A3 | C110 *C3                                    | C202 *B2 | C364 *E3 | C538 *C4 | C1115 *E4 | D800 *G3   | FB809 *F2  | L307 *E2   | Q1113 *E4 | R148 A3  | R257 B3  | R552 B1  | R738 *D2 | R839 E2  |          |
| L6012 A1   |  | R6062 *A3 | C111 *D2                                    | C203 B2  | C365 *F4 | C539 C4  | C1116 *E4 | D801 *F3   | FB810 *F3  | L308 *D2   | Q1114 *E4 | R149 A3  | R259 B3  | R553 *B1 | R739 *D2 | R840 F2  |          |
| L6013 B3   |  | R6063 A1  | C112 D3                                     | C204 B2  | C366 *E3 | C540 C4  | C1117 *E4 | D802 *F2   | FB1000 C4  | L500 *B4   | Q1115 *E4 | R150 *E2 | R260 B3  | R554 *C4 | R740 G2  | R841 F2  |          |
| L6014 *B2  |  | R6064 *A3 | C113 D4                                     | C205 *B2 | C367 *E3 | C541 C4  | C1118 E4  | D803 *F3   | FB1100 *E4 | L501 C4    | Q1116 *E1 | R151 *C3 | R261 D3  | R555 *C4 | R741 *G2 | R842 F2  |          |
| L6015 *B   |  |           |                                             |          |          |          |           |            |            |            |           |          |          |          |          |          |          |

|      |      |       |      |        |      |           |              |           |              |           |              |           |              |           |              |           |              |      |           |              |              |              |              |      |      |      |       |       |       |       |       |       |      |
|------|------|-------|------|--------|------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|------|-----------|--------------|--------------|--------------|--------------|------|------|------|-------|-------|-------|-------|-------|-------|------|
| R885 | F2   | R1107 | * F4 | RB1106 | E1   | SW-1524   | 1-885-943-11 | SW-1525   | 1-885-944-11 | SW-1526   | 1-885-945-11 | SW-1527   | 1-885-940-11 | SW-1528   | 1-885-946-11 | SW-1530   | 1-885-947-11 | R6   | B1        | SW-1531      | 1-885-948-11 | SY-408       | 1-885-936-11 | C154 | D2   | C515 | * D3  | C821  | E3    | C1117 | E2    | C1242 | B3   |
| R886 | F2   | R1108 | * F4 | RB1107 | E1   |           |              |           |              |           |              |           |              |           |              |           |              | C155 | D2        |              |              |              |              | C516 | * E3 | C822 | * E3  | C1118 | E2    | C1243 | * C3  |       |      |
| R887 | * F2 | R1109 | * F4 | RB1108 | G1   | *: B SIDE | 1-885-943-11 | *: B SIDE | 1-885-944-11 | *: B SIDE | 1-885-945-11 | *: B SIDE | 1-885-940-11 | *: B SIDE | 1-885-946-11 | *: B SIDE | R7           | B1   | *: B SIDE | 1-885-948-11 | *: B SIDE    | 1-885-936-11 | C156         | C2   | C517 | * A1 | C823  | A1    | C1119 | E2    | C1244 | * C3  |      |
| R888 | * F2 | R1110 | * F4 |        |      |           |              |           |              |           |              |           |              |           |              |           | C157         | D2   |           |              |              |              | C518         | * E3 | C824 | * E3 | C1120 | E2    | C1245 | * B3  |       |       |      |
| R889 | F3   | R1114 | F4   | S1100  | * F1 | C1        | A1           | C1        | A1           | C1        | A1           | C1        | A2           | C1        | B1           | C1        | B1           | R10  | B2        | C1           | A1           | BT301        | * C3         | C158 | * D2 | C519 | * A1  | C825  | A1    | C1121 | E2    | C1246 | * B3 |
| R890 | F3   | R1115 | F4   | S1103  | * E1 | C2        | A1           | C2        | A1           | C2        | B1           | C2        | B1           | C2        | B1           | C2        | B1           | R11  | B1        | C2           | A1           |              |              | C159 | D2   | C521 | * E3  | C826  | A1    | C1122 | E2    | C1247 | B3   |
| R891 | F2   | R1116 | F4   |        |      | C3        | * A1         | C3        | A1           | CN1       | A1           | C3        | B2           | C3        | B1           | C3        | C1           | R12  | B1        | C3           | A1           | C1           | * E3         | C160 | D2   | C522 | * B1  | C829  | * E3  | C1123 | E2    | C1248 | * B3 |
| R892 | F2   | R1117 | F4   | THP1   | C2   | C4        | * A1         | C4        | A1           |           |              | C4        | B2           | C4        | B1           | C4        | B2           | R13  | B1        | C4           | A1           | C4           | * E3         | C161 | C2   | C523 | * E3  | C830  | * E3  | C1124 | E2    | C1249 | * B3 |
| R893 | F2   | R1118 | * F4 | THP100 | D3   | C5        | * A1         | C5        | A1           | R1        | A1           | C5        | C2           | C5        | B1           | C5        | B1           | R14  | B1        | C5           | A1           | C5           | * B3         | C162 | C2   | C524 | * D3  | C831  | * E3  | C1125 | E2    | C1250 | * B3 |
| R894 | F2   | R1119 | * F4 | THP101 | D3   | C6        | * A1         | C6        | * A1         |           |              | C6        | A2           | C6        | B1           | C6        | C1           | R15  | A1        | C6           | A1           | C6           | * E1         | C163 | * D2 | C601 | * A2  | C832  | A1    | C1126 | E2    | C1251 | * C3 |
| R895 | F3   | R1120 | * F4 | THP102 | D4   | C7        | * A1         | C7        | * A1         | S1        | A1           | C7        | C2           | C7        | A1           | C7        | B1           | R16  | A1        |              |              | C5           | * E1         | C164 | C2   | C602 | * A2  | C833  | * E3  | C1127 | E2    | C1252 | C3   |
| R896 | F3   | R1121 | * F4 | THP103 | D4   | CL1       | * A1         | C8        | * A1         |           |              | C8        | C2           | C8        | A1           | C8        | B1           | R17  | B1        | CN1          | A1           | C6           | * E1         | C165 | C2   | C603 | E1    | C834  | A1    | C1128 | E2    | C1253 | C3   |
| R897 | F2   | R1122 | * E4 | THP104 | C3   | C9        | A1           | C9        | A1           |           |              | C9        | C1           | C9        | A1           | C9        | A1           | R18  | A1        |              |              | C7           | * E3         | C166 | * D3 | C604 | E1    | C835  | E2    | C1129 | E2    | C1254 | * B3 |
| R898 | F2   | R1123 | * F4 | THP105 | C3   | CN1       | * A1         | C10       | * A1         |           |              | C10       | C1           | C10       | B1           | C10       | A1           | R19  | C1        | D1           | A1           | C8           | * E3         | C167 | * D3 | C605 | B3    | C836  | E2    | C1130 | D2    | C1255 | C3   |
| R899 | F2   | R1124 | * E4 | THP106 | B2   | CN2       | A1           | C11       | A1           |           |              | C11       | C1           | C11       | C1           | C11       | C1           | R20  | C1        | D2           | A1           | C9           | * A1         | C168 | D2   | C606 | E3    | C837  | * E3  | C1131 | D2    | C1256 | B3   |
| R948 | C3   | R1125 | * E4 | THP107 | B2   |           |              | C12       | A1           |           |              |           |              | CN1       | B1           | C12       | C1           | R21  | C1        |              |              | C10          | * A3         | C301 | * D1 | C607 | * A2  | C838  | A1    | C1132 | D2    | C1258 | C3   |
| R949 | C3   | R1126 | * E4 | THP108 | B3   | FB1       | * A1         | C13       | A1           |           |              | CN1       | B1           |           |              | C13       | C1           | R22  | A1        | R1           | A1           | C11          | B3           | C302 | * D1 | C608 | * A2  | C839  | * E3  | C1133 | D2    | C1260 | * B3 |
| R950 | B3   | R1127 | * E4 | THP109 | B3   | FB2       | * A1         |           |              |           |              |           |              | R1        | B1           | C14       | C1           | R23  | C1        | R2           | A1           | C12          | B3           | C303 | E1   | C609 | E2    | C840  | A1    | C1134 | D2    | C1261 | * B3 |
| R951 | B3   | R1128 | * E4 | THP110 | * G3 | FB3       | * A1         | CN1       | A1           | EN1       | C2           |           |              | R2        | B1           | C15       | C1           | R24  | A1        | R3           | A1           | C13          | B3           | C304 | D1   | C610 | E3    | C841  | * E3  | C1135 | D2    | C1262 | * B3 |
| R952 | B4   | R1129 | * E4 | THP2   | C2   | FB4       | * A1         | CN2       | A1           |           |              |           |              | R3        | B1           | C16       | C1           | R25  | A1        | R4           | A1           | C14          | B1           | C305 | * E1 | C611 | B3    | C842  | A1    | C1136 | D2    | C1263 | * B3 |
| R953 | C4   | R1130 | * E4 |        |      |           |              |           |              | R1        | A2           |           |              | R4        | B1           | C17       | C2           | R26  | A2        | R5           | A1           | C15          | B1           | C306 | E1   | C613 | * E2  | C843  | * E3  | C1137 | D2    | C1266 | C3   |
| R955 | E3   | R1131 | * E4 | TP500  | * A1 | R1        | A1           | IC1       | A1           |           |              |           |              | R2        | B1           | C18       | C2           | R27  | C1        |              |              | C16          | * E2         | C307 | E1   | C614 | * B1  | C844  | A1    | C1138 | D2    | C1267 | B3   |
| R956 | C3   | R1132 | * E4 | TP501  | * B1 | R2        | A1           |           |              |           |              |           |              | R3        | B2           | C19       | B2           | R28  | A2        | S1           | A1           | C17          | * B2         | C310 | * E1 | C615 | B1    | C845  | E2    | C1139 | D2    | C1268 | C3   |
| R957 | E3   | R1133 | E4   | TP502  | * C2 |           |              | Q1        | A1           |           |              |           |              | R4        | C2           | C20       | B2           | R29  | A2        |              |              | C18          | * B2         | C311 | D1   | C616 | * A1  | C846  | E2    | C1140 | D2    | C1269 | B3   |
| R958 | * E3 | R1134 | E4   | TP503  | * C4 | S1        | A1           |           |              |           |              |           |              | R5        | C1           | C21       | B2           | R30  | C1        |              |              | C19          | * B3         | C312 | D2   | C617 | * A1  | C847  | * A1  | C1141 | D2    | C1270 | B3   |
| R959 | C3   | R1135 | E4   | TP504  | * D3 | S2        | A1           | R1        | * A1         |           |              |           |              | R6        | C1           | C22       | B2           | R31  | B1        |              |              | C20          | B3           | C313 | * D2 | C618 | * A1  | C848  | * E3  | C1142 | D2    | C1271 | B3   |
| R960 | E3   | R1136 | F4   | TP505  | * D3 |           |              | R2        | A1           |           |              |           |              | R7        | C1           | C23       | A2           | R32  | B1        |              |              | C21          | * A1         | C314 | * D1 | C619 | * A1  | C849  | E3    | C1143 | D2    | C1272 | B3   |
| R962 | C3   | R1137 | * F4 | TP900  | * B3 |           |              | R3        | A1           |           |              |           |              | R8        | C2           | C24       | A2           | R33  | A2        |              |              | C22          | E3           | C315 | * D1 | C620 | * A1  | C850  | E3    | C1144 | D2    | C1273 | * C3 |
| R963 | C3   | R1138 | * F4 | TP901  | * C3 |           |              | R4        | A1           |           |              |           |              | R9        | C2           | C25       | A2           | R34  | C1        |              |              | C23          | * E2         | C316 | * D1 | C621 | * B1  | C851  | E2    | C1145 | E2    | C1274 | * B3 |
| R964 | C3   | R1139 | F4   | TP902  | * C3 |           |              | R5        | * A1         |           |              |           |              | R10       | B2           | C26       | A1           | R35  | A1        |              |              | C24          | * E3         | C317 | * D1 | C622 | A1    | C852  | E2    | C1146 | E2    | C1275 | B3   |
| R966 | C3   | R1140 | F4   | TP1001 | * C3 |           |              | R6        | * A1         |           |              |           |              | R11       | A2           | C27       | A1           | R36  | A2        |              |              | C101         | D3           | C318 | * D1 | C623 | * B1  | C853  | E2    | C1147 | E2    | C1276 | B3   |
| R967 | C3   | R1141 | * F4 | TP1002 | * D3 |           |              | R7        | * A1         |           |              |           |              |           |              | C28       | C2           | R37  | C1        | S4           | A1           | C102         | * D3         | C321 | B3   | C624 | A1    | C854  | E2    | C1148 | E2    | C1278 | B3   |
| R968 | D3   | R1142 | E4   | TP1100 | * F4 |           |              | R8        | A1           | RV1       | B2           | S5        | B1           |           |              | C29       | B1           | R38  | A2        |              |              | C103         | D3           | C322 | B3   | C625 | * E2  | C855  | E2    | C1149 | D2    | C1279 | * C3 |
| R969 | D3   | R1143 | * F4 |        |      |           |              | R9        |              |           |              |           |              |           |              |           |              |      |           |              |              |              |              |      |      |      |       |       |       |       |       |       |      |



|       |      |       |      |       |      |       |      |        |      |       |      |      |      |        |      |        |      |        |      |        |      |       |      |       |      |      |      |      |      |      |      |      |      |
|-------|------|-------|------|-------|------|-------|------|--------|------|-------|------|------|------|--------|------|--------|------|--------|------|--------|------|-------|------|-------|------|------|------|------|------|------|------|------|------|
| C1406 | A3   | C1563 | * C2 | C1821 | * B2 | C1946 | * B2 | CL102  | * E3 | D802  | * E2 | FB34 | * E3 | FB305  | B3   | FL1201 | B3   | IC706  | * D3 | IC1504 | C1   | Q302  | * D1 | Q1812 | * B2 | R5   | * C3 | R316 | * D2 | R507 | * D3 | R601 | B3   |
| C1407 | A3   | C1564 | C2   | C1822 | * B2 | C1947 | B2   | CL103  | * D3 | D803  | * E2 | FB35 | * E2 | FB306  | A3   | FL1201 | B3   | IC707  | * D3 | IC1505 | C1   | Q303  | * A3 | Q1813 | * B2 | R6   | E3   | R317 | * D2 | R508 | E3   | R602 | E1   |
| C1408 | A3   | C1565 | C2   | C1823 | * B2 | C1948 | * B2 | CL104  | * C3 | D804  | * E2 | FB36 | * E1 | FB307  | E1   | FL1202 | B3   | IC708  | B1   | IC1506 | C1   | Q304  | D1   | Q1814 | * B2 | R7   | * E1 | R318 | * D2 | R509 | E3   | R603 | E3   |
| C1409 | A3   | C1566 | * C2 | C1824 | C2   | C1949 | B2   | CL105  | * C3 | D805  | * E2 | FB37 | E1   | FB308  | E1   | FL1203 | B3   | IC709  | * E3 | IC1507 | * C1 | Q601  | E1   | Q1815 | B2   | R8   | * E1 | R319 | D1   | R510 | E3   | R604 | * A2 |
| C1410 | A3   | C1567 | * C2 | C1825 | C2   | C1950 | C2   | CL106  | * E1 | D806  | * E2 | FB38 | E1   | FB309  | E1   | FL1204 | * B3 | IC710  | B3   | IC1508 | * C1 | Q602  | E1   | Q1816 | * B2 | R101 | * D3 | R320 | * D2 | R511 | D3   | R605 | * A2 |
| C1411 | B1   | C1568 | * C2 | C1826 | B2   | C1951 | B2   | CL107  | * C3 | D807  | E3   | FB39 | * E1 | FB310  | * D1 | FL1205 | * A3 | IC711  | * D3 | IC1509 | * C1 | Q603  | E3   | Q1817 | * B2 | R102 | * D3 | R321 | * D2 | R512 | D3   | R606 | E1   |
| C1412 | B2   | C1569 | * C2 | C1827 | * B2 | C1952 | * C2 | CL108  | * D2 | D808  | E3   | FB40 | * E1 | FB401  | C1   | FL1206 | E1   | IC712  | A2   | IC1510 | * C1 | Q604  | * E1 | Q1818 | * B2 | R103 | * D3 | R322 | * D2 | R513 | * D1 | R607 | E1   |
| C1413 | E2   | C1570 | * C2 | C1828 | * B2 | C1953 | B2   | CL109  | * D2 | D809  | * E3 | FB41 | * A1 | FB402  | * D1 | FL1207 | * B3 | IC713  | D3   | IC1511 | * C2 | Q605  | * E1 | Q1901 | * A2 | R104 | D3   | R323 | * D2 | R514 | * D1 | R608 | E1   |
| C1414 | E3   | C1571 | C2   | C1829 | * B2 | C1954 | * B2 | CL110  | * C1 | D810  | * E3 | FB42 | * B3 | FB403  | * C1 | FL1208 | * A3 | IC714  | * D3 | IC1512 | * C2 | Q606  | E1   | Q1902 | A2   | R105 | * D3 | R324 | * D1 | R515 | * E3 | R609 | E3   |
| C1415 | E3   | C1572 | C2   | C1830 | C2   | C1955 | * B2 | CL1201 | B2   | D811  | A1   | FB43 | * A3 | FB404  | * C1 | FL1209 | E1   | IC715  | C3   | IC1513 | C2   | Q607  | E1   | Q1903 | A2   | R106 | * E3 | R325 | * D1 | R516 | * E3 | R610 | B3   |
| C1416 | * D3 | C1573 | * C2 | C1831 | B2   | C1956 | B2   | CL1202 | B2   | D812  | E3   | FB44 | A2   | FB571  | * E2 | FL1210 | * B3 | IC716  | A3   | IC1514 | C2   | Q608  | * E1 | Q1904 | * A2 | R107 | * C3 | R326 | * D1 | R517 | * E3 | R611 | E1   |
| C1417 | * D3 | C1574 | * C2 | C1832 | B2   | C1957 | * B2 | CL1203 | B2   | D1401 | A3   | FB45 | A2   | FB701  | D3   | FL1211 | * A3 | IC801  | E3   | IC1515 | C2   | Q609  | * E2 | Q1905 | * A2 | R108 | * E3 | R327 | * D1 | R518 | E3   | R612 | E1   |
| C1418 | * D3 | C1575 | * C2 | C1833 | * B2 | C1958 | B2   | CL1204 | B2   | D1402 | B1   | FB46 | * A2 | FB702  | D3   | FL1212 | E1   | IC802  | A1   | IC1516 | * C2 | Q610  | * E2 | Q1906 | * B2 | R109 | D3   | R328 | A3   | R519 | E3   | R613 | E1   |
| C1419 | * D3 | C1587 | * C1 | C1834 | * A2 | C2001 | * C1 | CL1205 | B2   | D1403 | B1   | FB47 | * A2 | FB703  | D3   | FL1213 | B3   | IC803  | E2   | IC1518 | * C2 | Q611  | A1   | Q1907 | B2   | R110 | E3   | R329 | A3   | R520 | E3   | R614 | E1   |
| C1420 | * D3 | C1601 | * C2 | C1835 | * B2 | C2002 | * B1 | CL1206 | B2   | D1404 | B1   | FB48 | * A2 | FB704  | D3   | FL1301 | C3   | IC804  | * A1 | IC1601 | * C2 | Q701  | B3   | Q1908 | * B2 | R111 | E3   | R330 | B3   | R521 | E3   | R615 | * E1 |
| C1421 | A3   | C1602 | C2   | C1836 | * B2 | C2003 | * B2 | CL1207 | B2   | D1405 | B3   | FB49 | * A1 | FB705  | D3   |        |      | IC805  | * E3 | IC1602 | C2   | Q702  | B3   | Q1909 | B2   | R112 | D3   | R331 | B3   | R522 | E3   | R616 | E3   |
| C1422 | E2   | C1603 | C2   | C1837 | * B2 | C2004 | * B1 | CL1208 | B2   | D1406 | * D3 | FB50 | * A1 | FB706  | C3   | IC101  | * C3 | IC806  | * E3 | IC1603 | * C2 | Q703  | A3   | Q1910 | B2   | R113 | D3   | R332 | B3   | R523 | E3   | R617 | * A2 |
| C1423 | * D3 | C1604 | C2   | C1838 | B2   | C2005 | * B1 | CL1209 | C2   | D1407 | * D3 | FB51 | * A1 | FB707  | A2   | IC102  | E1   | IC807  | * E2 | IC1605 | C2   | Q704  | A3   | Q1911 | * B2 | R114 | D3   | R333 | A3   | R524 | E3   | R618 | E1   |
| C1424 | * D3 | C1605 | C2   | C1839 | B2   | C2006 | * B1 | CL1210 | B2   | D1501 | * C1 | FB52 | * A1 | FB801  | E3   | IC103  | * D2 | IC808  | * E2 | IC1606 | * C2 | Q705  | B3   | Q1912 | B2   | R115 | E3   | R335 | * D2 | R525 | * E3 | R619 | E3   |
| C1425 | * D3 | C1606 | C2   | C1840 | * B2 | C2007 | * B1 | CL1301 | * D1 | D1502 | * C1 | FB53 | * A1 | FB1001 | E2   | IC104  | * D2 | IC809  | A1   | IC1607 | C2   | Q801  | A1   | Q1913 | * B2 | R116 | D3   | R336 | * D2 | R526 | * E3 | R620 | * E1 |
| C1426 | * D2 | C1607 | * C2 | C1841 | * B2 | C2008 | B1   | CL1302 | * D1 | D1503 | * C1 | FB54 | * A1 | FB1002 | E2   | IC105  | * D3 | IC810  | A1   | IC1609 | * C2 | Q1201 | * B3 | Q1914 | B2   | R117 | D3   | R337 | * D2 | R527 | * E3 | R621 | * E1 |
| C1427 | * D2 | C1608 | * C2 | C1843 | B2   | C2009 | B1   | CL1303 | * D2 | D1504 | * C1 | FB55 | * A1 | FB1003 | E2   | IC106  | C3   | IC811  | * E2 | IC1801 | * B2 | Q1202 | * B3 | Q1915 | * C2 | R118 | D3   | R338 | * D2 | R528 | * D3 | R622 | * E1 |
| C1428 | * D3 | C1609 | * C2 | C1844 | B2   | C2010 | * B1 | CL801  | * E3 | D1601 | C2   | FB56 | * A1 | FB1101 | C1   | IC107  | D3   | IC812  | E3   | IC1802 | B2   | Q1203 | * B3 | Q1918 | * B2 | R119 | E3   | R339 | * D1 | R529 | * E3 | R623 | B3   |
| C1501 | * C2 | C1610 | * C2 | C1845 | * B2 | C2011 | * B1 | CL1501 | * C2 | D1801 | * B2 | FB57 | * A1 | FB1102 | D2   | IC108  | D3   | IC813  | A1   | IC1803 | * C2 | Q1204 | * B3 | Q1919 | * B2 | R120 | E3   | R340 | * D1 | R530 | * E3 | R624 | * E1 |
| C1502 | * C2 | C1611 | * C2 | C1846 | * B2 | C2012 | B1   | CL1502 | * C2 | D1901 | * B2 | FB58 | * A1 | FB1103 | * D1 | IC109  | * C3 | IC1001 | * D2 | IC1804 | * C2 | Q1205 | * B3 | Q1920 | * B2 | R121 | * C3 | R341 | * E1 | R531 | * E3 | R625 | E3   |
| C1503 | * C2 | C1612 | * C2 | C1847 | * B2 | C2013 | B1   | CL1801 | * B2 | D1902 | * B2 | FB59 | * A1 | FB1104 | * E1 | IC301  | * D2 | IC1002 | E2   | IC1805 | B2   | Q1206 | B3   | Q1921 | * B2 | R122 | D3   | R342 | * D1 | R532 | * E3 | R626 | * A2 |
| C1504 | * C2 | C1613 | * C2 | C1848 | B2   | C2014 | * B1 | CL1802 | * B2 | D1903 | * B2 | FB60 | * A1 | FB1105 | D2   | IC302  | D1   | IC1003 | E2   | IC1806 | * B2 | Q1207 | * B3 | Q1922 | * B2 | R123 | C3   | R343 | * E1 | R533 | * E3 | R627 | * A2 |
| C1505 | * C1 | C1614 | C2   | C1849 | * B2 | C2015 | C1   | CL1901 | * B2 | D1904 | * B2 | FB61 | * A3 | FB1106 | E2   | IC303  | B3   | IC1004 | E2   | IC1807 | B2   | Q1208 | * B3 | Q1923 | * B2 | R124 | C3   | R348 | A3   | R534 | * E3 | R628 | * A2 |
| C1506 | C1   | C1615 | C2   | C1850 | B2   | C2016 | * C1 | CL1902 | * B2 | D1905 | * B2 | FB62 | * A3 | FB1107 | E2   | IC305  | * E1 | IC1005 | * E2 | IC1808 | B2   | Q1209 | * B3 | Q1924 | * B2 | R125 | C3   | R349 | A3   | R535 | * D3 | R629 | E1   |
| C1507 | * C1 | C1616 | * C2 | C1851 | B2   | C2017 | * C1 |        |      | D1906 | * B2 | FB63 | * A3 | FB1108 | E2   | IC306  | D1   | IC1102 | * E1 | IC1809 | * B2 | Q1210 | * B3 | Q2001 | * B1 | R126 | * D3 | R350 | D1   | R536 | * E3 | R630 | E1   |
| C1508 | C1   | C1617 | C2   | C1852 | B2   | C2018 | C1   | CN1    | * E3 | D2001 | * B2 | FB64 | * A3 | FB1109 | E2   | IC307  | * D2 | IC1103 | * E1 | IC1810 | B2   | Q1211 | * B3 | Q2002 | * B1 | R127 | C3   | R351 | D1   | R537 | * D3 | R631 | E1   |
| C1509 | C1   | C1618 | * C2 | C1853 | * B2 | C2019 | * C1 | CN2    | * E2 | D2002 | * B1 | FB65 | * A3 | FB1110 | D2   | IC308  | * D1 | IC1104 | * E1 | IC1811 | * B2 | Q1212 | B3   | Q2003 | * B1 | R128 | * C3 | R352 | D1   | R538 | * E3 | R632 | E2   |
| C1510 | C1   | C1619 | * C2 | C1854 | B2   | C2020 | C1   | CN3    | * E1 | D2003 | B1   | FB66 | * A3 | FB1111 | D2   | IC309  | * D1 | IC1105 | D2   | IC1901 | * B2 | Q1213 | B3   | Q2004 | * B1 | R129 | * C3 | R353 | D1   | R539 | * E3 | R633 | E2   |
| C1511 | C1   | C1620 | * C2 | C1855 | B2   | C2021 | C1   | CN4    | * B1 | D2004 | B1   | FB67 | * A3 | FB1112 | D2   | IC310  | A3   | IC1106 | D2   | IC1902 | * B2 | Q1214 | B3   | Q2005 | * B1 | R130 | * C3 | R370 | * A2 | R540 | * E3 | R634 | E3   |
| C1512 | C1   | C1621 | C2   | C1856 | B2   | C2022 | * C1 | CN5    | * B1 | D2005 | B1   | FB68 | * A3 | FB1200 | * C3 | IC311  | D1   | IC1107 | D2   | IC1906 | B2   | Q1215 | B3   | Q2006 | * B1 | R131 | * C3 | R371 | * A2 | R541 | * D3 | R635 | B3   |
| C1513 | C1   | C1622 | C2   | C1857 | * B2 | C2023 | * B1 | CN6    | * A2 | D2006 | B1   | FB69 | * A3 | FB1201 | * B3 | IC401  | C1   | IC1108 | * D2 | IC1907 | * B2 | Q1216 | B3   | Q2007 | * B1 | R132 | * C3 | R401 | * C1 | R542 | * D3 | R636 | E3   |
| C1514 | C1   | C1623 | C2   | C1858 | * B2 | C2024 | * C1 | CN7    | * A2 | D2007 | * B1 | FB70 | * A3 | FB1202 | * B3 | IC402  | D1   | IC1109 | * E2 | IC1909 | B2   | Q1217 | B3   | Q2008 | * B1 | R133 | * C3 | R402 | C1   | R543 | D3   | R637 | B3   |
| C1515 | C2   | C1624 | C2   | C1859 | * B2 | C2025 | * C1 | CN8    | * A3 | D2008 | * B1 | FB71 | * A3 | FB1203 | * B3 | IC404  | D1   | IC1110 | * E2 | IC1911 | * B2 | Q1218 | B3   | Q2009 | * B1 | R134 | * E1 | R403 | C1   | R544 | D3   | R638 | * E3 |
| C1516 | C1   | C1625 | C2   | C1860 | * B2 | C2026 | * C1 | CN9    | * A3 | D2009 | B1   | FB72 | * A3 | FB1204 | * B3 | IC405  | D1   | IC1113 | * D2 | IC1912 | B2   | Q1219 | B3   | Q2010 | * B1 | R135 | * E1 | R412 | C1   | R545 | * D3 | R639 | * E3 |
| C1517 | C1   | C1626 | C2   | C1861 | * B2 | C2027 | C1   | CN10   | * B3 | D2010 | B1   | FB73 | * A3 | FB1205 | * B3 | IC406  | * D1 | IC1114 | E2   | IC2001 | * B1 | Q1220 | B3   | Q2011 | B1   | R136 | * E1 | R413 | D1   | R547 | * D3 | R640 | * E3 |
| C1518 | * C1 | C1627 | C2   | C1862 | * B2 | C2028 | * C1 | CN11   | * B3 | D2011 | B1   | FB74 | * A3 | FB1206 | * B3 | IC409  | * D1 | IC1115 | * E1 | IC2002 | * C1 | Q1221 | B3   | Q2012 | B1   | R137 | * E1 | R414 | C1   | R548 | * D3 | R641 | * E3 |
| C1519 | * C1 | C1628 | C2   | C1863 | * B2 | C2029 | * C1 | CN12   | * B3 | D2012 | B1   | FB75 | * A3 | FB1207 | * B3 | IC410  | * D1 | IC1116 | * E1 | IC2003 | C1   | Q1222 | B3   | Q2013 | * B2 | R138 | * E1 | R415 | D1   | R549 | * D3 | R642 | * E3 |
| C1520 | * C1 | C1629 | C2   | C1864 | * B2 | C2030 | B1   | CN51   | * A1 |       |      | FB76 | B3   | FB1208 | * B3 | IC501  | * D3 | IC1201 | * B3 | IC2005 | * C1 | Q1223 | B3   | Q2014 | B1   | R139 | E1   | R416 | C1   | R552 | * D3 | R643 | * E3 |
| C1521 | * C1 | C1630 | C2   | C1865 | * B2 | C2031 | B2   | CN101  | D3   | E1    | E3   | FB77 | B3   | FB1209 | * B3 | IC502  | * D3 | IC1202 | * B3 | IC2006 | * C1 | Q1224 | B3   | Q2015 | * B1 | R140 | * E1 | R417 | C1   | R553 | * D3 | R644 | * E3 |
| C1523 | * C2 | C1631 | C2   | C1866 | B2   | C2032 | B1   | CN102  | E1   | E2    | C3   | FB78 | * B3 | FB1210 | * B3 | IC503  | * E3 | IC1203 | * B3 | IC2007 | * B1 | Q1301 | * C3 | Q2016 | * B1 | R141 | E1   | R418 | D1   | R554 | * D3 | R645 | * E2 |
| C1524 | * C2 | C1632 | C2   | C1901 | A2   | C2033 | * B1 | CN201  | * D1 | E3    | A2   | FB79 | * B3 | FB1211 | * B3 | IC504  | * A1 | IC1204 | * B3 | IC2008 | * C1 | Q1302 | * C3 | Q2017 | B1   | R142 | E1   | R419 | C1   | R555 | * D3 | R646 | * E2 |
| C1525 | * C1 | C1633 | C2   | C1902 | A2   | C2034 | * B1 | CN203  | * D1 | E4    | * B1 | FB80 |      |        |      |        |      |        |      |        |      |       |      |       |      |      |      |      |      |      |      |      |      |

|      |     |      |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |                                   |                                     |      |     |
|------|-----|------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-----------------------------------|-------------------------------------|------|-----|
| R685 | A3  | R807 | E3  | R914  | D2  | R1155 | *B3 | R1240 | *C3 | R1330 | B3  | R1456 | E3  | R1573 | *C2 | R1718 | C2  | R1878 | B2  | R1989 | B2  | R2112 | *B1 | R2195 | *B1 | RB405 | C1  | TP1301 *B3<br>X401 C1<br>X1001 E2 | TG-276<br>1-885-985-11<br>*: B SIDE | C92  | *C3 |
| R686 | A3  | R808 | E3  | R915  | D2  | R1156 | B3  | R1241 | *B3 | R1331 | C3  | R1457 | E3  | R1574 | *C2 | R1719 | *C2 | R1879 | *B2 | R1991 | *A2 | R2113 | *B1 | R2196 | *B1 | RB406 | C1  |                                   |                                     | C93  | *C3 |
| R687 | *E2 | R809 | *E2 | R917  | D2  | R1157 | B3  | R1242 | B3  | R1332 | C3  | R1458 | E3  | R1575 | *C2 | R1720 | *C2 | R1880 | *B2 | R1992 | *A2 | R2114 | *B1 | R2197 | *B1 | RB407 | C1  |                                   |                                     | C200 | A2  |
| R688 | E2  | R810 | *E2 | R919  | *D2 | R1158 | B3  | R1243 | B3  | R1333 | C3  | R1459 | *D3 | R1576 | *C2 | R1721 | *C2 | R1882 | B2  | R1997 | *B2 | R2115 | *B1 | R2198 | *B1 | RB408 | C1  |                                   |                                     | C201 | A2  |
| R689 | *E2 | R811 | *E2 | R921  | *D2 | R1159 | *B3 | R1244 | B3  | R1334 | C3  | R1460 | *D3 | R1577 | *C2 | R1722 | *C2 | R1883 | *B2 | R1998 | B2  | R2116 | *B1 | R2199 | *B1 | RB409 | C1  |                                   |                                     | C202 | A2  |
| R701 | *D3 | R812 | *E2 | R922  | *D2 | R1160 | B3  | R1245 | B3  | R1335 | B3  | R1461 | *D3 | R1578 | *C2 | R1723 | *C2 | R1884 | *B2 | R1999 | *B2 | R2117 | *B1 | R2200 | *B1 | RB410 | C1  |                                   |                                     | C203 | *A2 |
| R702 | *D3 | R813 | *E2 | R923  | *D2 | R1161 | B3  | R1246 | B3  | R1336 | C3  | R1462 | *D3 | R1579 | *C2 | R1724 | *C2 | R1885 | *B2 | R2000 | B2  | R2118 | *B1 | R2201 | *B1 | RB411 | C1  |                                   |                                     | C204 | A2  |
| R703 | *D3 | R814 | *E2 | R924  | *E2 | R1162 | B3  | R1247 | *B3 | R1337 | C3  | R1463 | *D3 | R1580 | *C2 | R1725 | *C2 | R1886 | *B2 | R2002 | B2  | R2119 | *B1 | R2202 | *B1 | RB412 | *C1 |                                   |                                     | C205 | A2  |
| R704 | *D3 | R815 | *E2 | R925  | *E2 | R1163 | *B3 | R1248 | *B3 | R1338 | B3  | R1464 | *D3 | R1581 | *C2 | R1726 | *C2 | R1887 | *B2 | R2004 | B2  | R2120 | *B2 | R2203 | *B1 | RB413 | *D1 |                                   |                                     | C206 | A1  |
| R705 | *D3 | R816 | *E2 | R926  | *E2 | R1164 | *B3 | R1249 | *B3 | R1339 | C3  | R1465 | *D3 | R1582 | *C2 | R1727 | *C2 | R1888 | *B2 | R2005 | B2  | R2121 | *B1 | R2204 | *B1 | RB414 | *D1 |                                   |                                     | C207 | A1  |
| R706 | D3  | R817 | *E2 | R1001 | *E2 | R1166 | *B3 | R1250 | *B3 | R1340 | C3  | R1466 | *D3 | R1583 | *C2 | R1728 | *C2 | R1889 | *B2 | R2007 | B2  | R2122 | *B1 | R2205 | *B1 | RB415 | *D1 |                                   |                                     | C208 | *A1 |
| R707 | *D3 | R818 | *E2 | R1002 | *E2 | R1168 | B3  | R1251 | B3  | R1341 | C3  | R1467 | B1  | R1584 | *C2 | R1801 | A2  | R1890 | *B2 | R2008 | B2  | R2123 | *B1 | R2206 | *B1 | RB601 | *B1 |                                   |                                     | C209 | A1  |
| R708 | *D3 | R819 | *E2 | R1003 | *E2 | R1169 | B3  | R1252 | *B3 | R1342 | C3  | R1468 | B1  | R1585 | *C2 | R1802 | A2  | R1891 | *B2 | R2009 | *C2 | R2124 | *B2 | R2207 | B1  | RB701 | *D3 |                                   |                                     | C210 | A1  |
| R709 | *D3 | R820 | *E2 | R1004 | E2  | R1170 | *B3 | R1253 | *B3 | R1343 | C3  | R1469 | B1  | R1586 | *C2 | R1803 | A2  | R1892 | *B2 | R2012 | *C2 | R2125 | *B1 | R2208 | B1  | RB702 | *D3 |                                   |                                     | C211 | A1  |
| R710 | D3  | R821 | *E2 | R1005 | E2  | R1171 | *B3 | R1254 | B3  | R1344 | C3  | R1470 | B1  | R1587 | C1  | R1804 | A2  | R1893 | *B2 | R2013 | B2  | R2126 | *B1 | R2209 | B1  | RB703 | *D3 |                                   |                                     | C212 | *A1 |
| R711 | D3  | R822 | *E2 | R1006 | E2  | R1172 | B3  | R1255 | B3  | R1345 | C3  | R1501 | *C2 | R1588 | C1  | R1805 | A2  | R1894 | *B2 | R2014 | *B2 | R2127 | B1  | R2210 | B1  | RB704 | D3  |                                   |                                     | C213 | *A1 |
| R712 | *D3 | R823 | *E2 | R1007 | E2  | R1173 | *B3 | R1256 | *B3 | R1346 | *C3 | R1502 | *C2 | R1589 | *C1 | R1806 | A2  | R1895 | *B2 | R2016 | *C2 | R2128 | B1  | R2211 | B1  | RB705 | D3  |                                   |                                     | C214 | *A1 |
| R713 | *D3 | R824 | *E2 | R1008 | E2  | R1174 | B3  | R1257 | B3  | R1347 | *C3 | R1503 | C1  | R1590 | *C1 | R1807 | *B2 | R1896 | *B2 | R2017 | B2  | R2129 | B1  | R2212 | B1  | RB706 | *D3 |                                   |                                     | C215 | *B1 |
| R714 | *C3 | R825 | *E2 | R1009 | E2  | R1175 | *B3 | R1258 | *B3 | R1348 | *B3 | R1504 | C1  | R1591 | *C2 | R1808 | A2  | R1897 | *B2 | R2018 | *B2 | R2130 | B1  | R2213 | B1  | RB707 | *D3 |                                   |                                     | C216 | *B1 |
| R715 | *C3 | R826 | *E2 | R1010 | E2  | R1176 | *B3 | R1259 | *B3 | R1349 | *B3 | R1505 | C1  | R1592 | *C2 | R1809 | *A2 | R1898 | *B2 | R2019 | *B2 | R2131 | B1  | R2214 | *B1 | RB708 | D3  |                                   |                                     | C217 | *B1 |
| R716 | C3  | R827 | *E2 | R1011 | E2  | R1177 | B3  | R1260 | *C3 | R1350 | C3  | R1506 | C1  | R1651 | C2  | R1810 | *B2 | R1899 | *B2 | R2020 | *B2 | R2132 | B1  | R2215 | *B1 | RB709 | D3  |                                   |                                     | C218 | *B1 |
| R717 | C3  | R828 | *E2 | R1012 | E2  | R1178 | *B3 | R1261 | *C3 | R1352 | *C3 | R1507 | C1  | R1652 | C2  | R1811 | A2  | R1900 | B2  | R2021 | *B2 | R2133 | B1  | R2216 | *B1 | RB710 | *D3 |                                   |                                     | C219 | A2  |
| R718 | C3  | R829 | *E2 | R1013 | E2  | R1179 | *B3 | R1262 | B3  | R1353 | *C3 | R1508 | C1  | R1653 | C2  | R1812 | *B2 | R1901 | *B2 | R2022 | *B2 | R2134 | *B1 | R2217 | B1  | RB711 | *D3 |                                   |                                     | C221 | *C1 |
| R719 | *C3 | R830 | *E2 | R1014 | E2  | R1180 | *B3 | R1263 | B3  | R1354 | *C3 | R1509 | C1  | R1654 | C2  | R1813 | *B2 | R1902 | B2  | R2023 | *B2 | R2135 | *B1 | R2218 | *B1 | RB712 | D3  |                                   |                                     | C222 | *C2 |
| R720 | *C3 | R831 | *E2 | R1015 | E2  | R1181 | *B3 | R1265 | B3  | R1355 | *C3 | R1511 | C1  | R1655 | C2  | R1814 | A2  | R1903 | *B2 | R2024 | *B2 | R2136 | *B1 | R2219 | *B1 | RB713 | D3  |                                   |                                     | C223 | *C2 |
| R721 | C3  | R832 | *E2 | R1016 | E2  | R1182 | *B3 | R1266 | B3  | R1356 | *C3 | R1513 | *C1 | R1656 | C2  | R1815 | A2  | R1904 | B2  | R2025 | *B2 | R2137 | B1  | R2220 | *B1 | RB714 | D3  |                                   |                                     | C224 | *C1 |
| R722 | C3  | R833 | *E2 | R1017 | E2  | R1183 | *B3 | R1267 | B3  | R1358 | B3  | R1514 | *C1 | R1657 | C2  | R1816 | *B2 | R1905 | *B2 | R2026 | *B2 | R2138 | *B1 | R2221 | *B1 | RB715 | D3  |                                   |                                     | C225 | *C1 |
| R723 | C3  | R834 | E3  | R1018 | E2  | R1184 | *B3 | R1268 | B3  | R1359 | B3  | R1515 | *C1 | R1658 | C2  | R1817 | *B2 | R1907 | B2  | R2027 | B2  | R2139 | *B1 | R2222 | *B1 | RB716 | *D3 |                                   |                                     | C227 | *C1 |
| R724 | D3  | R835 | *E2 | R1019 | *D2 | R1185 | *B3 | R1269 | C3  | R1360 | *C3 | R1516 | *C1 | R1659 | *C2 | R1818 | *B2 | R1908 | *B2 | R2028 | *C2 | R2140 | *B2 | R2223 | *B1 | RB717 | *D3 |                                   |                                     | C228 | *C2 |
| R725 | D3  | R836 | *E2 | R1020 | *D2 | R1186 | *B3 | R1271 | B3  | R1361 | *C3 | R1517 | *C1 | R1660 | *C2 | R1819 | B2  | R1909 | B2  | R2029 | *B2 | R2141 | *B1 | R2224 | *B1 | RB718 | *D3 |                                   |                                     | C229 | *C1 |
| R726 | D3  | R837 | *E2 | R1021 | *D2 | R1187 | *B3 | R1272 | B3  | R1365 | B3  | R1518 | *C1 | R1661 | *C2 | R1820 | B2  | R1910 | B2  | R2030 | *B2 | R2142 | *B1 | R2225 | *B1 | RB719 | *D3 |                                   |                                     | C231 | *C1 |
| R727 | C3  | R838 | *E2 | R1022 | *D2 | R1188 | *B3 | R1274 | C3  | R1366 | C3  | R1519 | *C1 | R1662 | *C2 | R1821 | B2  | R1911 | B2  | R2031 | B2  | R2143 | *B1 | R2226 | *B1 | RB72  |     |                                   |                                     |      |     |

|       |      |      |      |      |      |      |      |                                            |      |       |       |       |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|--------------------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| IC15  | B2   | R43  | C2   | R180 | A2   | R278 | * C2 | <b>VA-243</b><br>1-885-983-11<br>*: B SIDE | C87  | * B1  | FB401 | A1    | R16  | * B3 | R180 | * A3 | R349 | B3   | R527 | * B3 |      |
| IC16  | B1   | R44  | C2   | R181 | A1   | R279 | * C2 |                                            | C95  | * B2  |       |       | R17  | * A3 | R181 | * B1 | R350 | B3   | R528 | * B3 |      |
| IC17  | * C3 | R45  | C2   | R182 | B1   | R280 | * C2 |                                            | C96  | B2    | IC1   | A2    | R18  | * A3 | R182 | B2   | R351 | B3   | R529 | * B3 |      |
| IC19  | * B3 | R46  | B2   | R183 | B1   | R281 | B2   |                                            | C97  | * B1  | IC2   | * B2  | R21  | A2   | R192 | A1   | R352 | B3   | R530 | * B3 |      |
| IC20  | * B3 | R47  | B2   | R184 | B1   | R282 | B2   | C1                                         | * B2 | C98   | * B3  | IC4   | A1   | R22  | A2   | R193 | A1   | R353 | A3   | R531 | * B3 |
| IC21  | B3   | R80  | B2   | R185 | B2   | R283 | B2   | C2                                         | * B2 | C106  | * B3  | IC5   | A2   | R23  | A2   | R194 | A1   | R354 | B3   | R532 | * A3 |
| IC22  | B3   | R81  | B2   | R186 | B2   | R292 | C2   | C3                                         | B2   | C107  | * B3  | IC6   | * B2 | R24  | A2   | R195 | A1   | R355 | B3   | R533 | * A3 |
| IC23  | * C3 | R82  | B2   | R187 | B2   | R293 | C2   | C5                                         | * B2 | C108  | * B3  | IC8   | B2   | R25  | A2   | R196 | A1   | R356 | B3   | R544 | * A2 |
| IC201 | A2   | R83  | B2   | R188 | B2   | R294 | C2   | C6                                         | * B2 | C109  | * A3  | IC9   | B2   | R26  | A2   | R197 | A1   | R357 | B3   | R545 | * A2 |
| IC202 | * A2 | R84  | B2   | R189 | B2   | R295 | * C1 | C7                                         | B2   | C110  | A3    | IC11  | * A2 | R27  | A2   | R198 | * B3 | R358 | B3   | R548 | * A3 |
| IC203 | A1   | R85  | B2   | R190 | B2   | R296 | * C1 | C8                                         | B2   | C111  | * A3  | IC12  | B3   | R33  | B2   | R199 | B1   | R359 | B3   | R549 | * A3 |
| IC204 | A1   | R86  | A2   | R191 | B2   | R297 | * C1 | C9                                         | * B2 | C112  | * B2  | IC13  | B1   | R34  | B2   | R204 | * B3 | R360 | B3   | R550 | * A2 |
| IC205 | * A1 | R91  | B2   | R192 | B2   | R298 | * C1 | C10                                        | * B2 | C113  | B2    | IC14  | B1   | R35  | B2   | R205 | * B3 | R361 | B3   | R551 | * A2 |
| IC206 | * B1 | R92  | B2   | R193 | B2   | R299 | * C2 | C11                                        | * B2 | C114  | * B1  | IC17  | * B3 | R36  | A2   | R206 | * A2 | R362 | B3   | R552 | * A3 |
| IC212 | * C1 | R93  | B2   | R194 | * C3 | R300 | * C2 | C12                                        | B2   | C115  | * B1  | IC18  | * B3 | R38  | B2   | R207 | * A3 | R370 | * B3 | R553 | * A3 |
| IC213 | * C2 | R94  | B2   | R195 | * D3 | R301 | B1   | C13                                        | A2   | C117  | * A2  | IC19  | B3   | R39  | B2   | R208 | * B1 | R371 | * A3 | R554 | * A2 |
| IC214 | A3   | R95  | B2   | R196 | * D3 | R302 | C2   | C14                                        | B2   | C118  | * B2  | IC20  | * A3 | R40  | B2   | R209 | * B2 | R372 | * B3 | R555 | * A3 |
| IC215 | * C2 | R96  | B2   | R197 | * D3 | R303 | C2   | C15                                        | * B2 | C119  | * B3  | IC21  | B2   | R41  | B3   | R216 | * B1 | R373 | * B3 | R556 | * A2 |
| IC216 | C2   | R97  | A2   | R198 | * C3 | R304 | A2   | C16                                        | * B2 | C120  | * A3  | IC22  | * B2 | R42  | B3   | R217 | B1   | R374 | * B3 | R557 | * A3 |
|       |      | R98  | A2   | R200 | * A2 | R305 | A2   | C17                                        | A2   | C121  | * B3  | IC23  | * B2 | R43  | B2   | R218 | B1   | R375 | B3   | R558 | * A2 |
| L1    | C3   | R99  | B2   | R201 | * A2 | R306 | A1   | C18                                        | B2   | C122  | * B1  | IC24  | * B2 | R45  | B2   | R219 | * B3 | R376 | * B3 | R559 | * A3 |
| L2    | D3   | R100 | B2   | R202 | A2   | R307 | * A2 | C19                                        | A2   | C123  | * A2  | IC25  | B2   | R73  | B2   | R220 | B2   | R377 | B3   | R560 | * B3 |
| L4    | C2   | R101 | A2   | R203 | A2   | R308 | * A1 | C20                                        | * B2 | C124  | B2    | IC26  | * B2 | R75  | B3   | R221 | B3   | R378 | * B3 | R561 | * B3 |
| L5    | C3   | R102 | A2   | R204 | A2   | R309 | * A2 | C21                                        | * A2 | C125  | B3    | IC27  | B2   | R77  | * B2 | R222 | * B3 | R379 | B3   | R562 | * B1 |
| L6    | C3   | R103 | B2   | R205 | A2   |      |      | C22                                        | * B2 | C126  | A3    | IC32  | * B3 | R78  | * B2 | R223 | B2   | R380 | * A3 | R563 | * B1 |
| L7    | C2   | R104 | B2   | R206 | A2   | RB1  | B1   | C23                                        | A2   | C127  | * B2  | IC36  | * B3 | R79  | * B2 | R224 | B3   | R381 | * A3 | R564 | * B2 |
| L203  | B3   | R105 | B1   | R207 | A2   | RB4  | B1   | C24                                        | * A3 | C128  | * B2  | IC37  | * B3 | R81  | * B2 | R225 | * B3 | R382 | * A3 | R565 | * B2 |
|       |      | R106 | B1   | R208 | A2   |      |      | C25                                        | * A3 | C129  | * B2  | IC38  | * B2 | R82  | B1   | R226 | B2   | R383 | * A3 | R576 | * B1 |
| Q1    | D3   | R107 | B1   | R209 | A2   |      |      | C26                                        | * B2 | C130  | * B2  | IC39  | * A3 | R83  | B1   | R227 | B3   | R384 | * A3 | R577 | * B1 |
| Q2    | D2   | R108 | B1   | R210 | * A2 |      |      | C27                                        | * A2 | C131  | * B2  | IC40  | * B1 | R84  | * B1 | R273 | * A3 | R385 | A3   | R580 | * B2 |
| Q3    | D3   | R109 | B2   | R211 | A2   |      |      | C31                                        | A3   | C132  | A2    | IC41  | * B2 | R85  | * B1 | R280 | * B2 | R386 | * A3 | R581 | * B2 |
| Q200  | A2   | R111 | B2   | R212 | A2   |      |      | C32                                        | B3   | C133  | B2    | IC42  | * B3 | R86  | * A2 | R294 | * B3 | R388 | B3   | R582 | * B1 |
| Q201  | A2   | R112 | A2   | R213 | A2   |      |      | C33                                        | B2   | C134  | * A2  | IC43  | * B3 | R87  | * A2 | R295 | B2   | R389 | B3   | R583 | * B1 |
| Q202  | A2   | R113 | A2   | R214 | A2   |      |      | C34                                        | B2   | C135  | * A1  | IC44  | * A2 | R88  | * A2 | R296 | B2   | R390 | B2   | R584 | * B2 |
| Q203  | A2   | R114 | * B2 | R215 | * A2 |      |      | C35                                        | B2   | C141  | B3    | IC45  | * A3 | R89  | B3   | R297 | B2   | R391 | B2   | R585 | * B2 |
| Q204  | * A2 | R115 | B2   | R216 | * A2 |      |      | C36                                        | B2   | C142  | B2    | IC46  | * B1 | R90  | B1   | R298 | B2   | R392 | A2   | R586 | * B1 |
| Q205  | * A2 | R120 | * C3 | R217 | * A2 |      |      | C37                                        | B2   | C409  | A1    | IC47  | B2   | R98  | * B1 | R299 | B2   | R393 | * A1 | R587 | * B2 |
| Q206  | * A2 | R121 | * C3 | R218 | * A2 |      |      | C38                                        | B2   | C410  | A1    | IC48  | B2   | R99  | * B1 | R300 | B2   | R394 | * A1 | R588 | * B1 |
| Q207  | * A2 | R122 | A2   | R219 | * A2 |      |      | C39                                        | A3   | C411  | * A1  | IC49  | B2   | R100 | * B1 | R301 | B2   | R395 | A2   | R589 | * B2 |
| Q208  | A2   | R123 | * B2 | R220 | * A2 |      |      | C40                                        | * B1 | C412  | * A1  | IC50  | B3   | R101 | * B3 | R302 | B2   | R396 | * A1 | R590 | * B1 |
| Q209  | A2   | R124 | A2   | R221 | A2   |      |      | C41                                        | B1   | C414  | A1    | IC51  | B3   | R102 | * B3 | R303 | B2   | R397 | * A1 | R591 | * B2 |
| Q210  | A2   | R127 | B2   | R222 | A2   |      |      | C42                                        | * B1 | C415  | A1    | IC52  | B3   | R103 | * A2 | R304 | B2   | R404 | * B2 | R592 | * A2 |
| Q211  | A1   | R129 | B2   | R223 | A2   |      |      | C43                                        | * A2 | C416  | A1    | IC55  | A2   | R104 | * A3 | R305 | B2   | R405 | * B2 | R593 | * A2 |
| Q212  | A2   | R130 | B2   | R224 | A2   |      |      | C44                                        | * B3 | C417  | A1    | IC58  | B2   | R105 | * B1 | R306 | B2   | R407 | A2   | R594 | * A2 |
| Q213  | * A2 | R132 | * C3 | R225 | A1   |      |      | C47                                        | * B3 | C418  | * A1  | IC59  | * A1 | R106 | * B2 | R307 | B2   | R408 | A2   | R595 | * A2 |
|       |      | R133 | C2   | R226 | A2   |      |      | C48                                        | * A3 | C419  | A1    | IC60  | * A1 | R107 | B1   | R308 | B2   | R409 | A2   | R596 | * A3 |
| R5    | D2   | R134 | C2   | R227 | A1   |      |      | C49                                        | B1   | C500  | * B3  | IC402 | A1   | R108 | B1   | R309 | B2   | R410 | B2   | R597 | * A3 |
| R6    | D2   | R141 | * B1 | R228 | A1   |      |      | C50                                        | B1   | C501  | * B3  | IC500 | * B3 | R115 | * B3 | R310 | B2   | R411 | B2   | R598 | * B1 |
| R7    | D2   | R142 | * B1 | R229 | A2   |      |      | C51                                        | * B1 | C502  | * B3  | IC501 | * B3 | R116 | * B3 | R311 | B2   | R412 | B2   | R599 | * B1 |
| R8    | D2   | R145 | * B1 | R230 | A2   |      |      | C52                                        | B1   | C503  | * B3  | IC502 | * A2 | R117 | * A2 | R312 | B2   | R413 | B3   | R600 | * B2 |
| R9    | D2   | R146 | * B1 | R231 | A1   |      |      | C53                                        | B1   | C504  | * B3  | IC503 | * A3 | R118 | * A3 | R313 | B2   | R416 | A1   | R601 | * B2 |
| R10   | C2   | R147 | D1   | R232 | A2   |      |      | C54                                        | * B3 | C505  | * B3  | IC504 | * B1 | R119 | * B1 | R314 | B3   | R417 | A1   | R609 | * B3 |
| R11   | C2   | R149 | D1   | R233 | A2   |      |      | C55                                        | * B3 | C506  | * B3  | IC505 | * B2 | R120 | * B2 | R315 | B3   | R418 | A1   | R611 | * B3 |
| R12   | D2   | R150 | C1   | R234 | A1   |      |      | C56                                        | * A2 | C507  | * B3  |       |      | R121 | B1   | R316 | B3   | R424 | B3   | R612 | * B3 |
| R13   | B2   | R151 | C1   | R235 | A1   |      |      | C57                                        | * A3 | C508  | * A2  | L1    | * A2 | R123 | * B1 | R317 | B3   | R425 | B3   | R613 | * A2 |
| R14   | * B1 | R152 | * D3 | R236 | * A1 |      |      | C58                                        | * B1 | C509  | * A2  | L2    | * A2 | R124 | B1   | R318 | B3   | R429 | A1   | R614 | * A3 |
| R15   | * B1 | R153 | * D3 | R237 | * A1 |      |      | C59                                        | * B2 | C510  | * A3  | L3    | * A2 | R125 | B1   | R319 | B3   | R430 | A1   | R615 | * B1 |
| R16   | C2   | R154 | * B3 | R238 | * A1 |      |      | C60                                        | * B1 | C511  | * A3  | L4    | * B1 | R126 | A1   | R320 | B3   | R431 | A1   | R616 | * B2 |
| R17   | C2   | R155 | * C3 | R239 | * A1 |      |      | C61                                        | * B3 | C512  | * A2  | L5    | B1   | R127 | A1   | R321 | B3   | R432 | A2   | R617 | B1   |
| R18   | C2   | R156 | * C3 | R240 | * A1 |      |      | C62                                        | B1   | C513  | * A2  | L6    | A1   | R128 | A1   | R322 | * B3 | R433 | A2   | R618 | B1   |
| R19   | B2   | R157 | * C3 | R242 | * A1 |      |      | C63                                        | * B3 | C514  | * A3  | L7    | * A1 | R129 | A1   | R323 | * B3 | R434 | A2   | R619 | * B3 |
| R20   | A2   | R158 | * C3 | R243 | A1   |      |      | C64                                        | B1   | C515  | * A3  | L8    | * A2 | R130 | A1   | R324 | B3   | R435 | A2   | R620 | * B3 |
| R21   | A2   | R159 | * C3 | R244 | * A1 |      |      | C65                                        | * B1 | C516  | * B1  |       |      | R131 | A1   | R325 | B3   | R436 | A2   | R621 | * A2 |
| R22   | D2   | R160 | * C3 | R245 | A1   |      |      | C66                                        | B1   | C517  | * B1  | Q1    | B1   | R132 | A1   | R326 | B3   | R437 | A2   | R622 | * A3 |
| R23   | D2   | R161 | * B3 | R246 | * A1 |      |      | C67                                        | B1   | C518  | * B2  | Q2    | B1   | R133 | A1   | R327 | B3   | R438 | A2   | R623 | * B1 |
| R24   | D2   | R162 | B3   | R247 | * B1 |      |      | C68                                        | B1   | C519  | * B2  | Q3    | B1   | R151 | * B2 | R328 | B3   | R439 | A2   | R624 | * B2 |
| R25   | D2   | R163 | B3   | R248 | * B1 |      |      | C69                                        | B2   | C520  | * B1  | Q4    | * B1 | R152 | * B3 | R329 | B3   | R440 | A2   | R625 | A2   |
| R26   | C2   | R164 | * B3 | R249 | * B1 |      |      | C70                                        | * B1 | C521  | * B1  | Q5    | A1   | R153 | * B2 | R330 | B2   | R441 | A2   |      |      |
| R27   | C2   | R165 | * B3 | R250 | * B1 |      |      | C72                                        | B1   | C522  | * B2  | Q6    | A1   | R157 | * B3 | R331 | B2   | R500 | * B3 | TP1  | B2   |
| R28   | C2   | R166 | B3   | R251 | * B1 |      |      | C73                                        | * B2 | C523  | * B2  |       |      | R158 | * B3 | R332 | B2   | R501 | * B3 |      |      |
| R29   | * C3 | R167 | B3   | R253 | * B1 |      |      | C74                                        | * B2 |       |       | R3    | * B2 | R159 | * A2 | R333 | B2   | R502 | * B3 | X1   | B2   |
| R30   | C2   | R168 | * B3 | R255 | B1   |      |      | C75                                        | * B3 | CN3   | B3    | R4    | * B2 | R160 | * A3 | R334 | B2   | R503 | * B3 | X2   | A2   |
| R31   | C2   | R169 | * B3 | R264 | A2   |      |      | C76                                        | * B2 | CN4   | A3    | R5    | A2   | R161 | * B1 | R335 | B2   | R514 | * B3 |      |      |
| R32   | * C3 | R170 | * C3 | R265 | A2   |      |      | C77                                        | B3   | CN5   | B1    | R6    | A2   | R162 | B2   | R336 | B2   | R515 | * B3 |      |      |
| R33   | C2   | R171 | B1   | R266 | A2   |      |      | C78                                        | * B3 | CN401 | * A1  | R7    | * B2 | R166 | * B3 | R337 | B2   | R518 | * B3 |      |      |
| R34   | C2   | R172 | A2   | R267 | A2   |      |      | C79                                        | * B3 | CN405 | A2    | R8    | * B2 | R168 | * B3 | R338 | B2   | R519 | * B3 |      |      |
| R35   | C2   | R173 | B1   | R271 | A1   |      |      | C80                                        | * A2 |       |       | R9    | * B2 | R170 | * A3 | R339 | B2   | R520 | * B3 |      |      |
| R36   | C2   | R174 | B1   | R272 | * C1 |      |      | C81                                        | * A3 | ET401 | A1    | R10   | B3   | R172 | * A3 | R340 | B2   | R521 | * B3 |      |      |
| R37   | C2   | R175 | A1   | R273 | * C1 |      |      | C82                                        | * B1 | ET402 | A3    | R11   | B2   | R174 | B1   | R341 | B2   | R522 | * B3 |      |      |
| R38   | C2   | R176 | A1   | R274 | * C1 |      |      | C83                                        | B2   | ET403 | B1    | R12   | * B2 | R176 | * B2 | R344 | B3   | R523 | * B3 | </   |      |





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