

SONY®

HD MULTI PURPOSE CAMERA

HDC-P1

Power HAD FX



MAINTENANCE MANUAL

1st Edition (Revised 1)

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.

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のあるコネクタを以下のポートに接続しないでください。

: LANコネクタ

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).

: LAN connector

Follow the instructions for the above port.

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。

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.

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.

PAS PÅ

Fare for explosion, 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.

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.

HUOMIO

Räjähdysvaara, jos akku vaihdetaan virheellisesti.
Vaihda vain samanlaiseen tai vastaavantyyppiseen, valmistajan suosittelemaan akkuun.
Noudata akun hävittämisessä oman maasi tai alueesi lakeja.

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.

FORSIKTIG

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

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Manual Structure

Purpose of this manual

This manual is the maintenance manual for HD MULTI PURPOSE CAMERA HDC-P1.

This manual describes the information items that premise the service based on the components parts such as replacement of main parts, electrical alignment, schematic diagrams, board layouts and detailed parts list assuming use of system and service engineers.

Related manuals

Besides this maintenance manual the following manual is available for this unit.

- **HDC-P1 Operation Manual (Supplied with HDC-P1)**

This manual is necessary for application and operation of HDC-P1.

Part number: 4-170-164-0X (Japanese)

Part number: 4-170-168-0X (English)

Part number: 4-468-047-0X (Simplified Chinese)

- **HZC-PSFP1 User's Guide (Supplied with HZC-PSFP1)**

- **HZC-PRVP1 User's Guide (Supplied with HZC-PRVP1)**

This manual is necessary for application and operation of the software option (HZC-PSFP1 and HZC-PRVP1).

Part number: 4-188-420-0X (Japanese)

Part number: 4-188-421-0X (English)

Trademarks

Trademarks and registered trademarks used in this manual are follows.

- FRAM is a registered trademark of Ramtron International Corporation.

Section 1

Service Overview

1-1. Checking before Installation

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

When connecting peripheral devices shown in the following table to this unit, check the versions of the ROMs and software programs installed in the devices.

If the versions are not those shown in the following table, relevant ROMs must be replaced and relevant software programs must be upgraded.

When you need ROM replacement and/or software version upgrade, contact your local Sony Sales Office/Service Center.

ROM

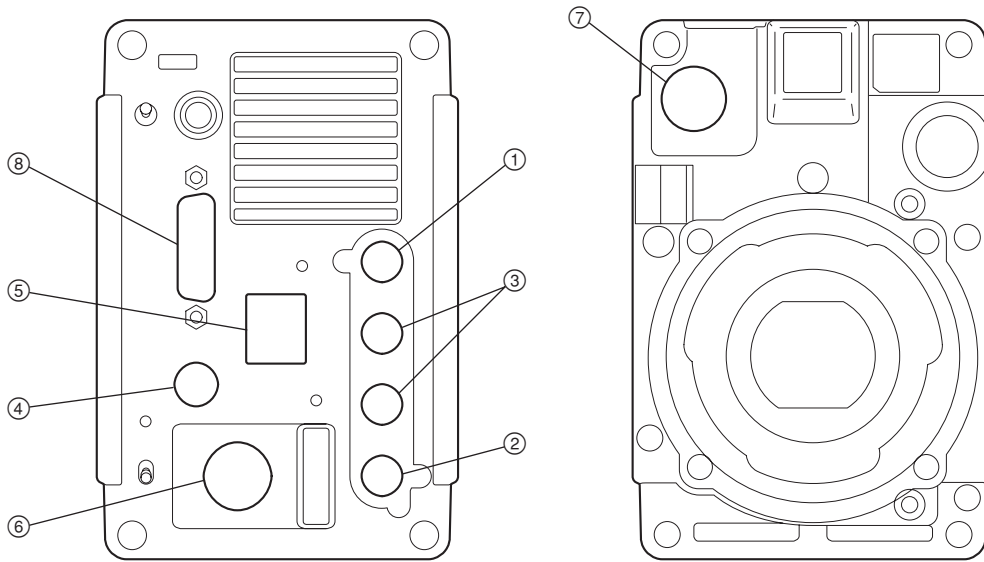
Peripheral equipment	Board name	Ref No	Rom version
MSU-700A/750	CPU-293/CPU-286	IC5, IC6/IC5, IC6	Ver. 1.30 or higher
CNU-700	AT-89 or AT-89A	IC4, IC5	Ver. 3.40 or higher
CNU-500	AT-100	IC4, IC5	Ver. 3.00 or higher
RCP-720/721	MPU-79	IC10	Ver. 3.00 or higher
RCP-730/731	MPU-79	IC10	Ver. 3.00 or higher
RCP-740/741	MPU-79	IC10	Ver. 3.00 or higher
RCP-700/701	MPU-92	IC6	Ver. 2.73 or higher
RM-B150	CPU-266	IC4	Ver. 1.21 or higher

Software

Peripheral equipment	Board name	Software version
RCP-750/751	MPU-123	Ver. 1.40 or higher
RCP-920/921	MPU-143	Ver. 1.11 or higher
RM-B750	MPU-124	Ver. 1.20 or higher
MSU-900/950	CPU-396	Ver. 1.21 or higher

1-2. Connectors and Cables

1-2-1. Connector Input/Output Signals



Input Signals (BNC)

① GENLOCK

HD or SD

HD: SMPTE 274 M, tri-level sync, 0.6 V p-p, 75 Ω

SD: Black burst signal

NTSC: 0.286 V p-p, 75 Ω

PAL: 0.3 V p-p, 75 Ω

Output Signals (BNC)

② VBS

Analog composite signals: 75 Ω , 1.0 V p-p Output Signals

③ SDI 1/2 (BNC)

3G-SDI*/HD SDI/SD SDI selectable

3G-SDI: SMPTE ST424/425 (LEVEL-A/B)
2.97/2.967 Gbps

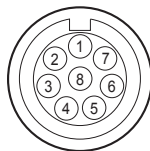
HD SDI: SMPTE 292 M, 0.8 V p-p, 75 Ω ,
1.485/1.4835 Gbps

BTA-S004A compliant

SD SDI: SMPTE 259M, 270 Mbps
Component serial signal

※: Only HDC-P1 units (serial numbers 110001 and higher) with software option HZC-PRVP1 installed can output the 3G-SDI signal.

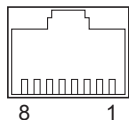
④ REMOTE (8P FEMALE)



(External view)

No.	Signal		I/O	Specifications
	for RCP	for TRUNK (RS-422A)		
1	TX (X)	TX1 (+)	OUT	SERIAL DATA OUT/TRUNK DATA OUT
2	TX (Y)	TX1 (-)	OUT	
3	RX (X)	RX1 (+)	IN	SERIAL DATA IN/TRUNK DATA IN
4	RX (Y)	RX1 (-)	IN	
5	TX-GND		—	GND for TX
6	UNREG-OUT		OUT	+10.5 to +17 V dc, 200 mA (max)
7	UNREG-GND		—	GND for UNREG-OUT
8	RCP-PIX		OUT	75 Ω , 1.0 V p-p (SD Video)
	CHASSIS GND		—	CHASSIS GND

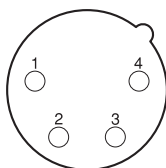
⑤ LAN (8P, RJ-45, 10Base-T/100Base-TX)



(External view)

No.	Signal	Specifications
1	TX (+)	Transmitted Data (+)
2	TX (-)	Transmitted Data (-)
3	RX (+)	Received Data (+)
4	NC	No connection
5	NC	No connection
6	RX (-)	Received Data (-)
7	NC	No connection
8	NC	No connection

⑥ DC IN (4P 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 to 17 V dc

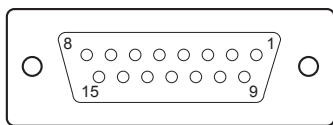
⑦ LENS (12P FEMALE)



(External view)

No.	Signal	I/O	Specifications
1	RET VIDEO ENABLE	IN	ENABLE : 0 V, DISABLE : +5 V or OPEN
2	VTR START/STOP	IN	ENABLE : 0 V, DISABLE : +5 V or OPEN
3	GND	—	GND for UNREG
4	SERVO MA/AT	OUT	AUTO : +5 V, MANU : 0 V or OPEN
5	IRIS POSITION	OUT	+3.4 V (F16) to +6.2 V (F2.8)
6	UNREG	OUT	+10.5 to +17 V
7	IRIS POSITION	IN	+3.4 V (F16) to +6.2 V (F2.8)
8	IRIS AT/MA	OUT	AUTO IRIS : 0 V, MANUAL IRIS : +5 V
9	EXTENDER ON/OFF	IN	EX 2 ON : GND EX 0.8 ON : 30 kΩ to GND OFF : OPEN
10	ZOOM POSITION	IN	WIDE : 2 V, TELE : 7 V
11	FOCUS POSI (/LENS RX)	IN	∞ : 7 V, min. : 2 V
12	(LENS TX)	OUT	

⑧ EXT I/O (15P FEMALE)

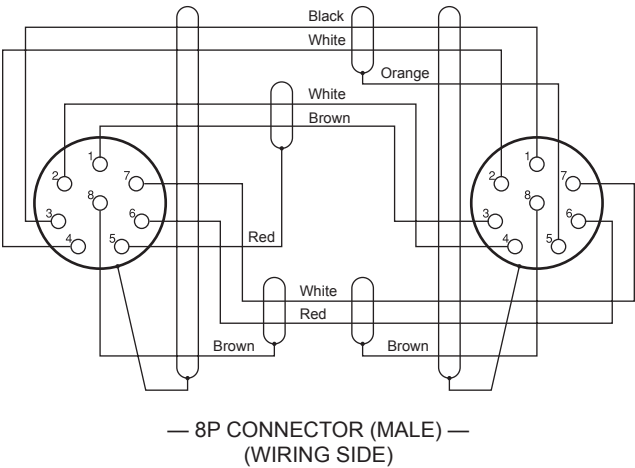


(External view)

No.	Signal	I/O	Specifications
1	UNREG OUT	OUT	+10.5 to 17 Vdc
2	UNREG GND	—	GND for UNREG OUT (0.5 A or less)
3	POWER CONT (X)	IN	Short-circuit of POWER CONT (X) and POWER CONT (Y) will turn off the power.
4	POWER CONT (Y)	IN	
5	GND	—	
6	R TALLY (X) IN	IN	Contact: Short-circuit of R TALLY (X) IN and R TALLY (Y) IN TTL: Set the R TALLY (X) IN pin to a TTL level voltage to the R TALLY (Y) IN pin Setting by S4 on the SW-1485 board.
7	R TALLY (Y) IN	IN	
8	R TALLY (X) OUT	OUT	Open collector: 10 mA (max)
9	VBS (X) OUT	OUT	1 Vp-p, 75 Ω termination
10	VBS (G)	—	
11	SPARE (1)		
12	SPARE (2)		
13	G TALLY (X) IN	IN	Contact: Short-circuit of G TALLY (X) IN and G TALLY (Y) IN TTL: Set the G TALLY (X) IN pin to a TTL level voltage to the G TALLY (Y) IN pin Setting by S3 on the SW-1485 board.
14	G TALLY (Y) IN	IN	
15	G TALLY OUT	OUT	Open collector: 10 mA (max)

1-2-2. Wiring Diagrams for Cables

CCA-5 Cable (For REMOTE Connector)



1-2-3. Connection Connectors/Cables

Use the following connectors/cables when connecting cables to connectors on the connector panel at the time of installation and service.

Connector Name	Connector/Cable
VBS GENLOCK SDI 1/2 (BNC)	1-569-370-12 Plug, BNC
DC IN (4P MALE)	1-508-362-00 XLR, 4P Female or ITT Cannon XLR-4-11C equivalent DC cable CCDD-X2 (2 m)
REMOTE (8P FEMALE)	1-766-848-11 Plug, 8P Male or CCA-5 cable assembly (CCA-5-10 (10 m)/CCA-5-3 (3 m)) (optional)*2 *3 - REMOTE cable 1-783-372-11 (supplied with RM-B150, 10 m) *1 *2 *3
EXT I/O (D-SUB 15P FEMALE)	1-506-582-11 D-SUB 15P MALE or JAE DA-15PF-N equivalent Available shell: JAE DA-C1-J10-R equivalent
LAN (8P RJ-45)	LAN cable (shield type, category 5 or higher, commercially available)

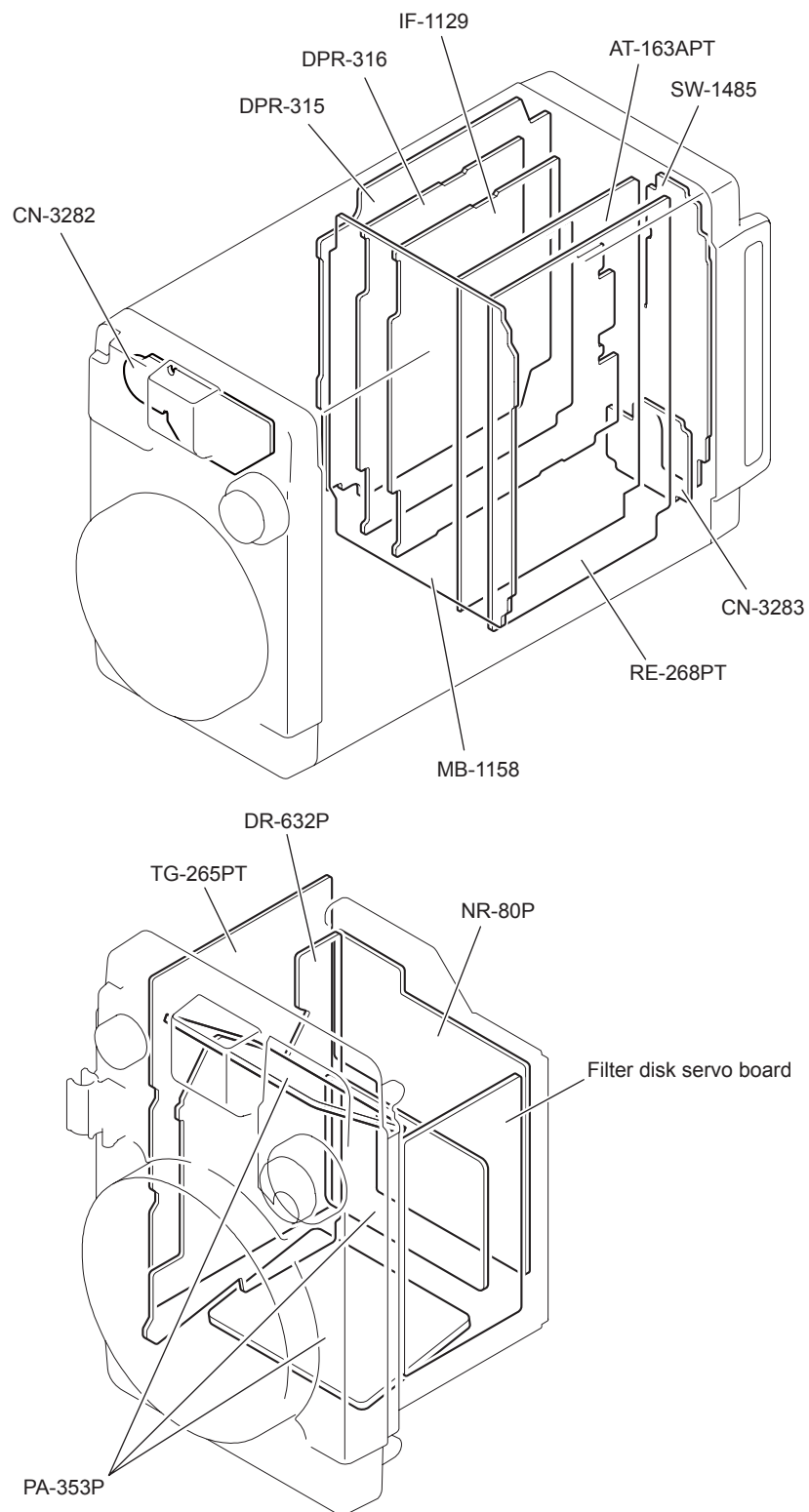
*1: Use of REMOTE cable enables to monitor video signals. (The pin 8 is available for the video signal line.)
The down-converted SD signal is output.

*2: If you want to use a cable of length different from a standard product, contact your local Sony Sales Office/Service Center.

Note

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

1-3. Location of Printed Circuit Boards



1-4. Circuit Description

PA-353P Board

The PA-353P board, consisting of an H driver (IC1) for CCD drive and a sample hold IC (IC5), performs correlative double-sampling for the signal from the CCD and differential output. This board also adjusts sensitivity by the sample hold IC.

DR-632P Board

The DR-632P board consists of a buffer for the CCD and sample hold IC drive pulse and a V driver circuit of the CCD.

TG-265PT Board

The TG-265PT board consists of the following circuits.

- A PLD (IC218) that generates CCD/sample hold IC drive pulse and a video amplifier (IC1, IC8, IC18)
- A circuit to synchronize (PLL lock) the INT PLL H signal generated by the PLD with the PLL H X and PLL H Y signals sent from the DPR-315 board

The master gain is switched by the step gain in the video amplifier.

NR-80P Board

The NR-80P board corrects CCD defects and performs black shading.

DPR-315 Board

The DPR-315 board converts the analog RGB signals from the CCD block to digital data and processes camera signals.

The analog RGB signals from the TG-265PT board in the CCD block are A/D-converted by the 14-bit A/D converter (IC207 to IC209), and the converted digital data is input to the preprocess PLD (IC301). The digital data is processed by the IC301 for the 720p format, is input to the camera signal processor (IC401) for camera signal processing, and is then returned to the IC301.

Two SDRAM chips (IC501, IC502) are mounted as frame memory near the IC301. The IC301 performs image inversion (H/V mirror processing) and P-PsF conversion processing in the PsF format, and then transfers the digital data to the baseband signal processing block (DPR-316 board).

Furthermore, the IC301 generates and transfers the reference timing signal to the CCD block.

DPR-316 Board

The DPR-316 board processes various baseband signals.

This board is provided with the following four video input/output BNC connectors.

- REF IN connector CN301 (input)
- SDI 1 connector CN801 (output): HD/SD-SDI (HDC-P1 of serial numbers 110001 and higher can output 3G-SDI signal.)
- SDI 2 connector CN802 (output): HD/SD-SDI
- VBS connector CN901 (output)

The HD digital video signal to which camera signal processing was applied on the DPR-315 board is transferred to the baseband processing IC (IC107) where baseband signal processing is performed, and is then converted to a serial signal by the SDI P/S converter (IC801, IC802). The serial signal is output as SDI signal (HD-SDI or SD-SDI) from CN801 and CN802.

IC107 is provided with a down-converter function and IC801 and IC802 can select and output HD SDI or SD SDI signal. Furthermore, IC801 on an HDC-P1 unit (serial numbers 110001 and higher) in which software option HZC-PRVP1 is installed can select and output the 3G-SDI signal in addition to HD SDI and SD SDI signals. A BNC connector for 3G-SDI signal output is used for CN801. The down-converted SD signal is VBS-encoded and D/A-converted by the encoder (IC901), and the converted VBS signal is output from CN901.

The DPR-316 board mounts SDRAM (IC501, IC502) and OSD IC (IC622, IC623) around IC107 as frame memory. IC107 also performs 2-3 pull-down processing and character signal mixing processing for 24PsF. Furthermore, this board is provided with a GEN LOCK function that extracts sync signal from the reference input signal in CN301, generates a reference clock by the 74 MHz/27 MHz PLL circuit, and distributes the clock and the reference timing signal to each video signal processing block.

AT-163APT Board

The AT-163APT board consists of a microcomputer AT CPU (IC109) for system control and a peripheral circuit. The EEPROM (IC403) on this board retains the main program, and the FRAM (IC133) retains the camera control data. Furthermore, this board also mounts a lens interface circuit and an auto-iris control circuit.

IF-1129 Board

The IF-1129 board is provided with a microcomputer IF CPU (IC205) that has a function equivalent to the CCU to make system settings. The IF FPGA (IC400) switches system connection. This board also performs command communication with the RCP and MSU. In addition, the LAN controller in the IF CPU allows LAN connection.

MB-1158 Board

The MB-1158 board is used for connection between boards.

CN-3282 Board

The CN-3282 board is provided with a lens connection connector and a front tally lamp.

CN-3283 Board

The CN-3283 board is provided with a DC IN connector.

SW-1485 Board

The SW-1485 board is an external interface board.

RE-268PT Board

The RE-268PT board converts the input power from the DC IN connector to various output voltages.

The activation/shutdown voltages of the DC power from the DC IN connector are always monitored by the input protection IC (IC101). The DC power voltages are converted by the power ICs (IC301, IC351, IC381, IC401, IC451, IC501, IC601), and are then output from CN101 as power voltages.

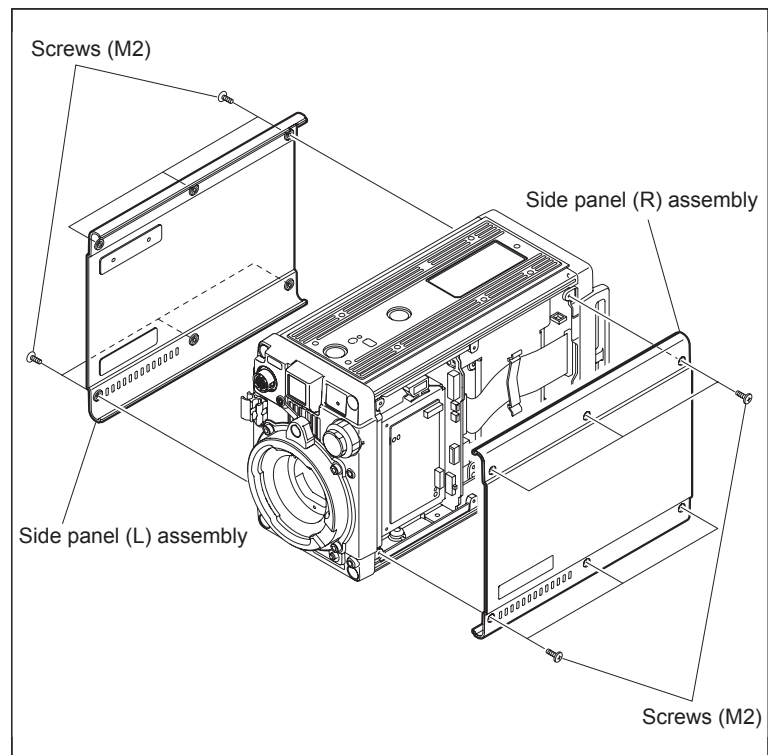
IC101 performs output protection processing to shut down output of all systems if there is an output short circuit of any system or there is no output for some reason.

IC202 and IC203 convert the fan output control signal, and IC201 allows variable voltage output to the fan.

When the power OFF switch signal is input to the D-sub connector connected to the SW-1485 board, the RE-268PT board outputs are forcibly shut down.

1-5. Removing/Installing the Side Panel Assembly

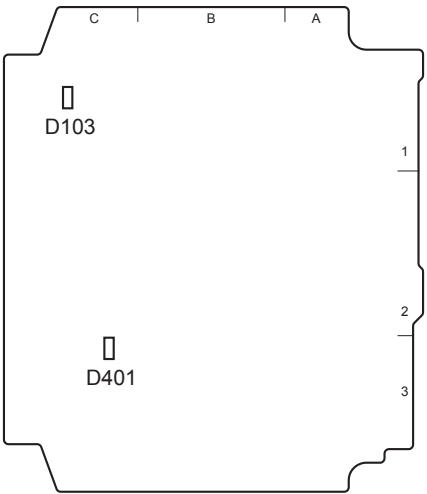
1. Remove the six screws to detach the side panel (L) assembly.
2. Remove the six screws to detach the side panel (R) assembly.



3. Install the side panel assembly by reversing the step above.

1-6. Description of Onboard LED Indicators

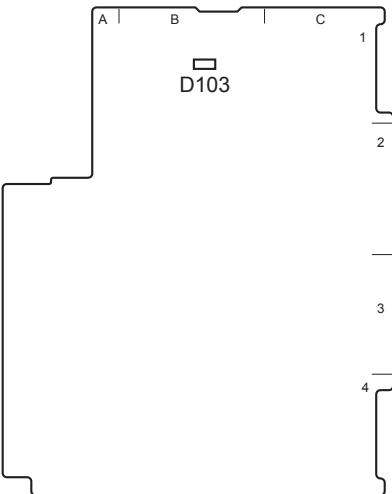
DPR-315 Board



DPR-315 BOARD (SIDE B)

Ref No.	Name	Color	Description	Normal state
D103	POWER	Green	Lights while the power of the board is normal.	Lit
D401	CTL	Green	Lights some time after power is turned on, and goes out after the initial processing from the CPU.	Off

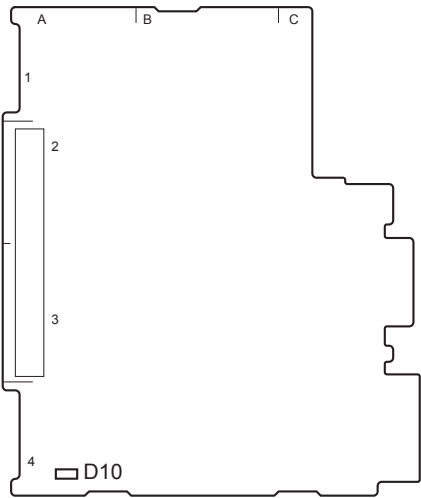
DPR-316 Board



DPR-316 BOARD (SIDE A)

Ref No.	Name	Color	Description	Normal state
D103	POWER	Green	Lights while the power of the board is normal.	Lit

IF-1129 Board



IF-1129 BOARD (SIDE A)

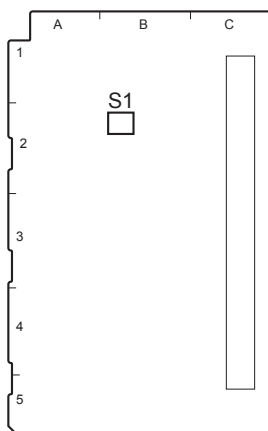
Ref No.	Name	Color	Description	Normal state
D10	POWER	Green	Lights while the power of the board is normal.	Lit

1-7. Switch Settings

Note

Do not change the settings of unused switches.

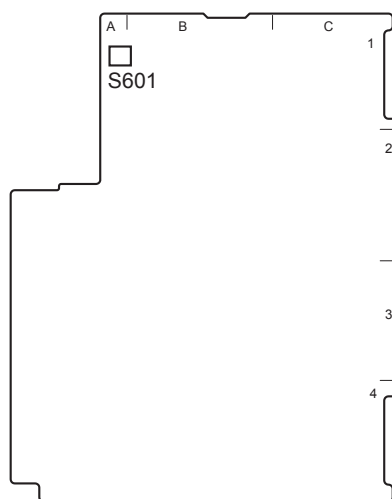
AT-163APT Board



AT-163APT BOARD (SIDE A)

Ref No.	Name	Bit	Description	Factory setting
S1	Reserve	1	Not used (Fixed to OFF)	OFF
	All Preset	2	FRAM clear	OFF
	Reserve	3	Not used (Fixed to OFF)	OFF
	Firmware Load	4	Forcibly upgrading of firmware	OFF

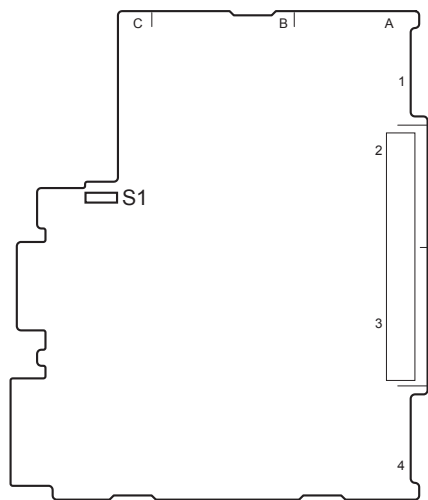
DPR-316 Board



DPR-316 BOARD (SIDE A)

Ref No.	Name	Bit	Description	Factory setting
S601	OSD SEL	1	OFF: Normal operation ON: Controlling OSD for SD from the IF-CPU (for debugging the IF-1129 board)	OFF
	—	2	Not used	OFF

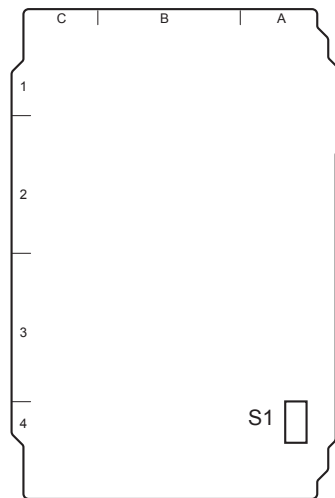
IF-1129 Board



IF-1129 BOARD (SIDE B)

Ref No.	Name	Bit	Description	Factory setting
S1	PROTECT	1	Protects MAC ADDRESS from being rewritten.	ON
	VerUp	2	Upgrades the software version using Memory Stick PRO Duo.	OFF
	NORMAL/DEBUG	3	Not used	OFF
	NORMAL/DEBUG	4	Not used	OFF
	MS-SEL	5	Selects the Memory Stick controller. OFF: AT-163APT board and IF-1129 board ON: IF-1129 board only	OFF
	SPARE	6	Not used	OFF
	SPARE	7	Not used	OFF
	SPARE	8	Not used	OFF

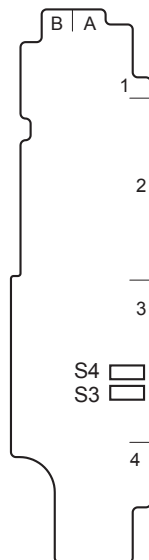
MB-1158 Board



MB-1158 BOARD (SIDE B)

Ref No.	Name	Description	Factory setting
S1	Tx/Rx	Serial communication	Selection
	Analog	D/A output	
	I/O	General-purpose I/O port	

SW-1485 Board



SW-1485 BOARD (SIDE B)

Ref No.	Name	Description	Factory setting
S3	Contact / TTL	For green tally	Contact
		Contact: Short-circuit of G TALLY (X) IN and G TALLY (Y) IN TTL: Set the G TALLY (X) IN pin to a TTL level voltage to the G TALLY (Y) IN pin	
S4	Contact / TTL	For red tally	Contact
		Contact: Short-circuit of R TALLY (X) IN and R TALLY (Y) IN TTL: Set the R TALLY (X) IN pin to a TTL level voltage to the R TALLY (Y) IN pin	

1-8. Notes on Flexible Card Wire

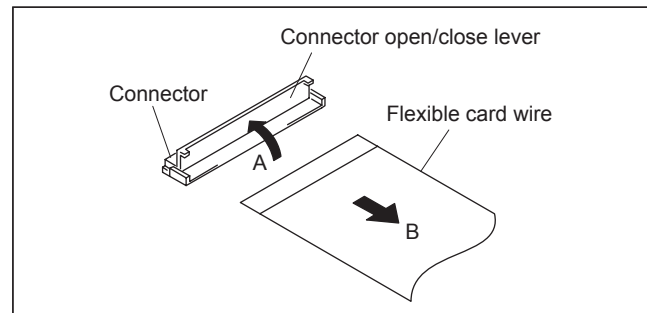
1-8-1. Disconnecting/Connecting Flexible Card Wire

Flexible card wires are used between the boards of this unit. Take care not to bend forcedly these flexible card wires. This shortens the wire life.

Type-A

Disconnecting

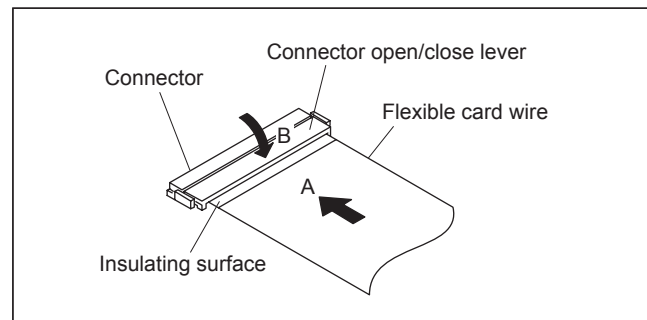
1. Raise the connector open/close lever in the arrow A direction to unlock the coupling.
2. Pull out the flexible card wire in the arrow B direction.



Connecting

Notes

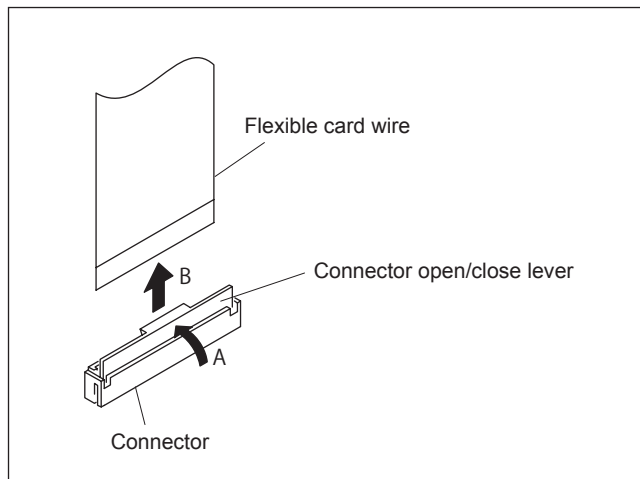
- Be careful not to insert the flexible card wire obliquely.
 - Check that the conductive surface of the flexible card wire is not contaminated.
1. Insert the flexible card wire in the arrow A direction as far as it will go with the insulating surface facing upward.
 2. Close the connector open/close lever in the arrow B direction to lock the flexible card wire.



Type-B

Disconnecting

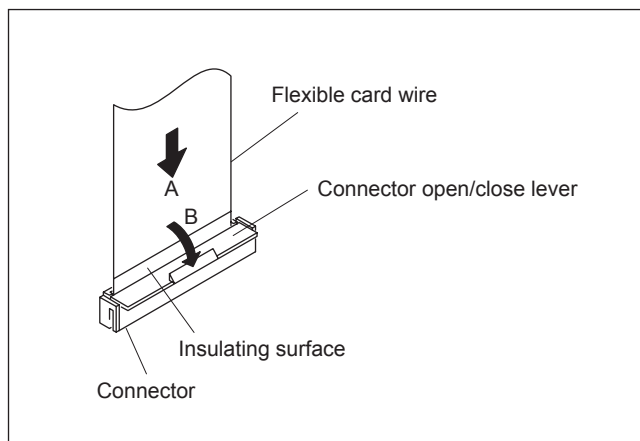
1. Raise the connector open/close lever in the arrow A direction to unlock the coupling.
2. Pull out the flexible card wire in the arrow B direction.



Connecting

Notes

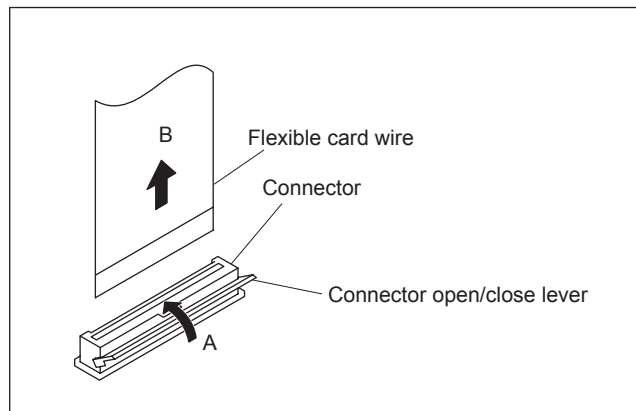
- Be careful not to insert the flexible card wire obliquely.
 - Check that the conductive surface of the flexible card wire is not contaminated.
1. Insert the flexible card wire in the arrow A direction as far as it will go with the insulating surface facing front.
 2. Close the connector open/close lever in the arrow B direction to lock the flexible card wire.



Type-C

Disconnecting

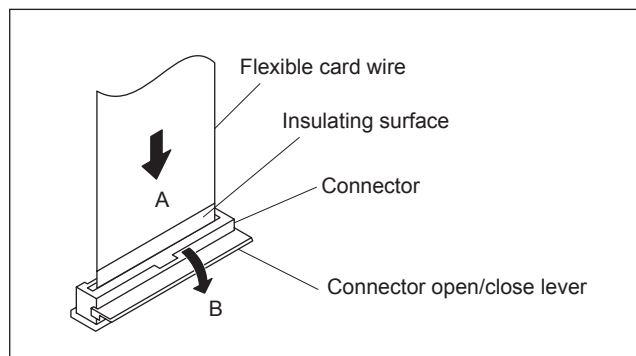
1. Raise the connector open/close lever in the arrow A direction to unlock the coupling.
2. Pull out the flexible card wire in the arrow B direction.



Connecting

Notes

- Be careful not to insert the flexible card wire obliquely.
 - Check that the conductive surface of the flexible card wire is not contaminated.
1. Insert the flexible card wire in the arrow A direction as far as it will go with the insulating surface facing front.
 2. Close the connector open/close lever in the arrow B direction to lock the flexible card wire.



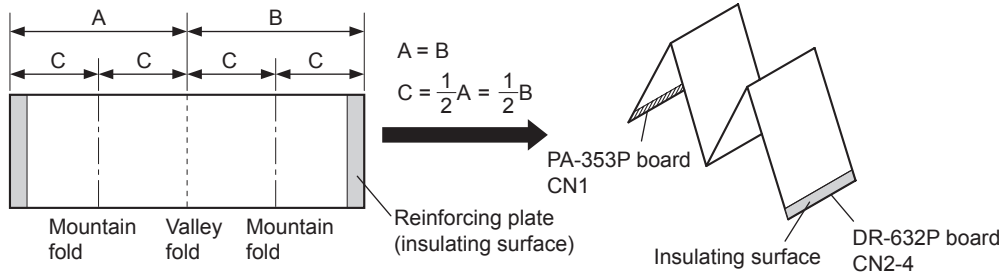
1-8-2. Forming Flexible Card Wire

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

Note

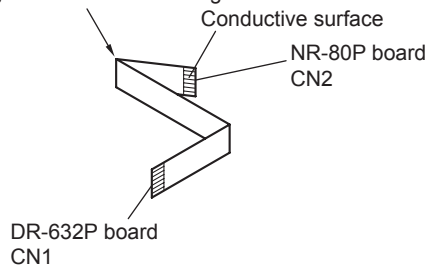
Never fold it back after being formed once.

- PA-353P board CN1 ↔ DR-632P board CN2
- PA-353P board CN1 ↔ DR-632P board CN3
- PA-353P board CN1 ↔ DR-632P board CN4

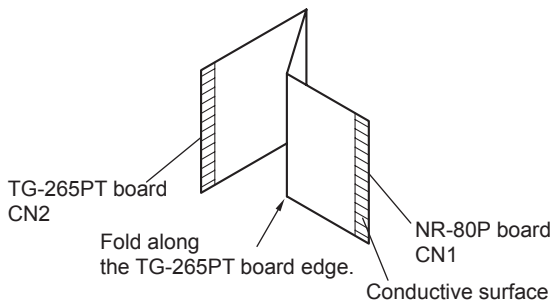


- DR-632P board CN1 ↔ NR-80P board CN2

Fold along the NR-80P board edge.



- TG-265PT board CN2 ↔ NR-80P board CN1



1-9. Notes on Replacement of Circuit Board

1-9-1. EEPROM Data

The table below lists data retained in the EEPROM (FRAM) on respective boards.

Note

Do not replace the EEPROM ICs listed in the table because they retain board-specific data.

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

Board	Ref No.	Stored data
AT-163APT	IC133	Board adjustment data and paint data
	IC403	PLD data
DPR-315	IC601	PLD data
DPR-316	IC701	PLD data
IF-1129	IC200	Network setting information (including MAC address)
	IC502	PLD data
MB-1158	IC2	Filter position data
NR-80P	IC5	RPN adjustment data
TG-265PT	IC201	PLD data
	IC214	CCD adjustment data

1-9-2. Actions to be Taken during Board Replacement and after Board Replacement/Repair

Board	Action
AT-163APT	1-9-3. Adjustment/Setting Items when Replacing the AT-163APT Board
DPR-316	3-8. VBS Output Level Adjustment
MB-1158 (IC2)	IC2 initial value setting (Execute STORE FILE on any page of the SERVICE menu.)
NR-80P (IC5)	3-3-6 RPN Adjustment
	3-6. RPN Compensation
TG-265PT (IC214)	3-3-1. BLACK SET Adjustment
	3-3-2. Sensitivity Adjustment
	3-3-3. V-SUB Adjustment
	3-3-4. BLACK SHADING Adjustment
	3-3-5. White Shading Adjustment
	3-5. ND Offset Adjustment
	OHB file resetting

1-9-3. Adjustment/Setting Items when Replacing the AT-163APT Board

The AT-163APT board stores the camera setting status and files. When the AT-163APT board is replaced, contents of the reference file, scene file, lens file, and operator file are lost. Before replacing the AT-163APT board, save these files in a Memory Stick PRO Duo or another storage device. Since the OHB file is contained in the CCD unit, its content is retained.

Replacement procedure

1. Store the reference file, scene file, and operator file in a Memory Stick PRO Duo.
 - Reference file (Refer to Section 4-5.)
 - Scene file (Refer to Section 4-4.)
 - Operator file (Refer to Section 4-2.)
2. Replace the AT-163APT board. (Refer to Section 2-7-7.)
3. Install the latest version of the firmware. (Refer to Section 1-10.)
4. Execute REFERENCE (ALL) on the FILE CLEAR page of the FILE menu. (Refer to Section 4-5.)
5. Execute STORE FILE on the REFERENCE page of the FILE menu. (Refer to Section 4-5.)
6. Perform “3-2. Automatic Adjustment.”
7. Perform “3-4. Video System Level Adjustment.”
8. Read the stored reference file, scene file, and operator file.
 - Reference file (Refer to Section 4-5.)
 - Scene file (Refer to Section 4-4.)
 - Operator file (Refer to Section 4-2.)
9. Adjust the lens file data. (Refer to Section 4-6.)
10. Execute AUTO LEVEL on the AUTO SETUP page of the MAINTENANCE menu. (Refer to Section 4-5.)
11. Set the serial number on the SERIAL NO page of the SERVICE menu. (Refer to Section 5-3.)

1-9-4. Notes on Replacing the DPR-316 Board

There are two types of repair parts for the DPR-316 board as shown below. Note that repair part numbers vary with serial numbers of HDC-P1.

- A-1755-694-A: Usable only for serial numbers 100001 to 109999 (not usable for serial numbers 110001 and higher).
- A-1755-694-B: Usable for all serial numbers. However, when using the DPR-316 board in units of serial numbers 100001 to 109999, upgrade the AT-CPU on the AT-163APT board to version 1.21 or higher. For upgrading the AT-CPU version, refer to “1-10. Software Version Upgrade.”

1-10. Software Version Upgrade

The ROM (IC118, IC122) on the AT-163APT board and the ROM (IC209, IC210) on the IF-1129 board can be upgraded using a Memory Stick PRO Duo.

Upgrade the software version using the following procedure.

1-10-1. Upgrading Program Version

There are the following three methods of program upgrade.

- Upgrade the AT-163APT or IF-1129 board from the menu.
- Upgrade the AT-163APT board in the power-on startup process.
- Upgrade the IF-1129 board in the power-on startup process.

Device used

Memory Stick PRO Duo

Preparations

Copy the program for version upgrade in a Memory Stick PRO Duo using the following procedure.

Note

For how to obtain the program for version upgrade, contact your local Sony Sales Office/Service Center.

- (1) Create the following directory in a Memory Stick PRO Duo.

¥MSSONY¥PRO¥CAMERA¥HDCP1

- (2) Copy the program file to the directory created in step (1).

File for the AT-163APT board: "hdcp1at.rom"

File for the IF-1129 board: "hdcp1if.rom"

Upgrading the AT-163APT or IF-1129 board from the menu

1. Insert the Memory Stick PRO Duo that contains the program for version upgrade.
2. Display ROM VERSION of the DIAGNOSIS menu from the TOP menu.
3. Press long the menu control knob while the cursor next to "D03" on the monitor screen is "?".
The version upgrade menu is displayed.
4. Select the board to be upgraded and start version upgrade.
The upgrade status appears on the monitor screen.
5. Upon completion of the version upgrade, a message "Complete" appears.
6. Check ROM VERSION of the DIAGNOSIS menu to make sure that the AT-163APT or IF-1129 board has been upgraded.

Upgrading the AT-163APT board in the power-on startup process

1. Insert the Memory Stick PRO Duo that contains the program for version upgrade.
2. Turn on the power while pressing the menu control knob.
The upgrade status appears on the monitor screen.
3. Upon completion of the version upgrade, a message "Complete" appears.
4. Check ROM VERSION of the DIAGNOSIS menu to make sure that the AT-163APT board has been upgraded.

Upgrading the IF-1129 board in the power-on startup process

1. Remove the IF-1129 board, set the bit 2 (VerUp) of S1 to ON, and then mount the IF-1129 board.
(Refer to Section 2-7-5.)
2. Insert the Memory Stick PRO Duo that contains the program for version upgrade.
3. Turn on the power of the camera.
The access lamp blinks and version upgrade starts.
Upon completion of the version upgrade, the access lamp lights.
4. Remove the IF-1129 board, set the bit 2 (VerUp) of S1 to OFF, and then mount the IF-1129 board.
(Refer to Section 2-7-5.)
5. Check ROM VERSION of the DIAGNOSIS menu to make sure that the IF-1129 board has been upgraded.

1-10-2. Writing/Rewriting PLD Internal Data

This unit has a programmable logic device (PLD) whose writing/rewriting method conforms to the e-Production (EPR) system.

When replacing or upgrading the following parts, contact your local Sony Sales Office/Service Center.

Note

The part numbers of the PLDs (or ROMs for PLD) described in “Section 6. Spare Parts” are those of blank PLDs.

Therefore, when such a PLD need to be replaced, write data to a blank PLD using the following procedure.

When a PLD type whose program runs on an externally connected ROM is faulty, just replace it. Data writing to this type of PLD is not necessary.

e-Production system

- When writing/rewriting PLD internal data,
 1. The standard tool (cable) is available.
 2. The standard software (PLD download tool) is available.
- PLD internal data is managed in the Sony database server as Project file (E_xxx_xxx_xx_xx).
- A standard connector (EPR connector) for writing PLD internal data is provided on the board with an indication “EPR” or “EPR2.”

Applicable PLDs

Board name	PLD ref No.	EPR connector ref No. (number of pins)	Project file No.
AT-163APT	IC404 IC403*1	CN401 (8)	E_000_004_76_xx*6
DPR-315	IC301 IC601*2	CN601 (10)	E_000_004_77_xx*6
DPR-316	IC107 IC701*3	CN701 (10)	E_000_004_78_xx*6
IF-1129	IC400 IC502*4	CN500 (10)	E_000_004_79_xx*6
TG-265PT	IC218 IC201*5	CN202*7 (10)	E_000_004_80_xx*6

*1: IC403 is a ROM for IC404.

*2: IC601 is a ROM for IC301.

*3: IC701 is a ROM for IC107.

*4: IC502 is a ROM for IC400.

*5: IC201 is a ROM for IC218.

*6: The suffix of the file name changes when the version is upgraded.

*7: This PLD is not mounted at shipping.

Devices used

- PLD Download Tool
Sony part number: J-7120-220-A
- Cable connecting between PC and this unit (10 pins)
Sony part number: J-7120-230-A
- Cable connecting between PC and this unit (8 pins)
Sony part number: J-7120-240-A
- PC
With the PLD Download Tool software installed
For applicable OS and operating environment, refer to the Download Tool Operating Procedures (Device Writing).

Data writing procedure

The following outlines the procedure for writing data to a PLD (or ROM for PLD).

For details of the writing procedure, refer to the Download Tool Operating Procedures (Device Writing).

The Download Tool Operating Procedures (Device Writing) can be downloaded from the PLD Download Tool software website.

1. Prepare the Project file.

Note

Download the Project file from the Sony database server and use it.

2. Make sure that the unit is turned off, and then connect the PC's parallel port to the EPR connector on the board with the PLD download tool (cable).
3. Turn on the power of the unit.
Run the PLD Download Tool software and read the Project file.
4. Program the PLD (or ROM for PLD) using the PLD Download Tool software.
5. When the programming has been successfully completed (without error message), turn off and on the power of the unit.
6. Check PLD VERSION of the DIAGNOSIS menu to see if the version has been upgraded.

1-11. Note on Replacement of Lithium Battery

A lithium battery is mounted on the IF-1129 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.

IF-1129 board/CR2032: Sony Part No. ($\triangle$ 1-528-174-xx)

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.

1-12. Troubleshooting

1-12-1. Device Check

This unit is provided with a self-diagnosis function for checking the communication function of each device.

Diagnosis result can be monitored on the BOARD STATUS page of the DIAGNOSIS menu.

Description of BOARD STATUS page (DIAGNOSIS menu)

When “NG” is displayed on this page, there may be a problem with the relevant device or its connection.

<BOARD STATUS> D01 TOP

OHB : OK

DPR : OK

AT : OK

IF : OK

Item	Setting	Function
OHB	Display only	Indicates the status of the LSI (IC281) on the TG-265PT board.
DPR	Display only	Indicates the status of the LSIs (IC107, IC401) on the DPR-315 board. Indicates the status of the LSI (IC301) on the DPR-316 board.
AT	Display only	Indicates the status of the EEPROM (IC133) on the AT-163APT board.
IF	Display only	Indicates the inter-communication status of the IF-1129 boards.

Indication

1. Turn the DISPLAY/MENU switch to the MENU side while pressing the menu control knob.
“TOP” appears at the upper right of the screen of the monitor connected to VBS or SDI2.
2. Set the cursor at TOP and press the menu control knob.
The TOP menu screen opens.
3. Set the cursor at DIAGNOSIS and press the menu control knob.
4. Set the cursor at BOARD STATUS and press the menu control knob.

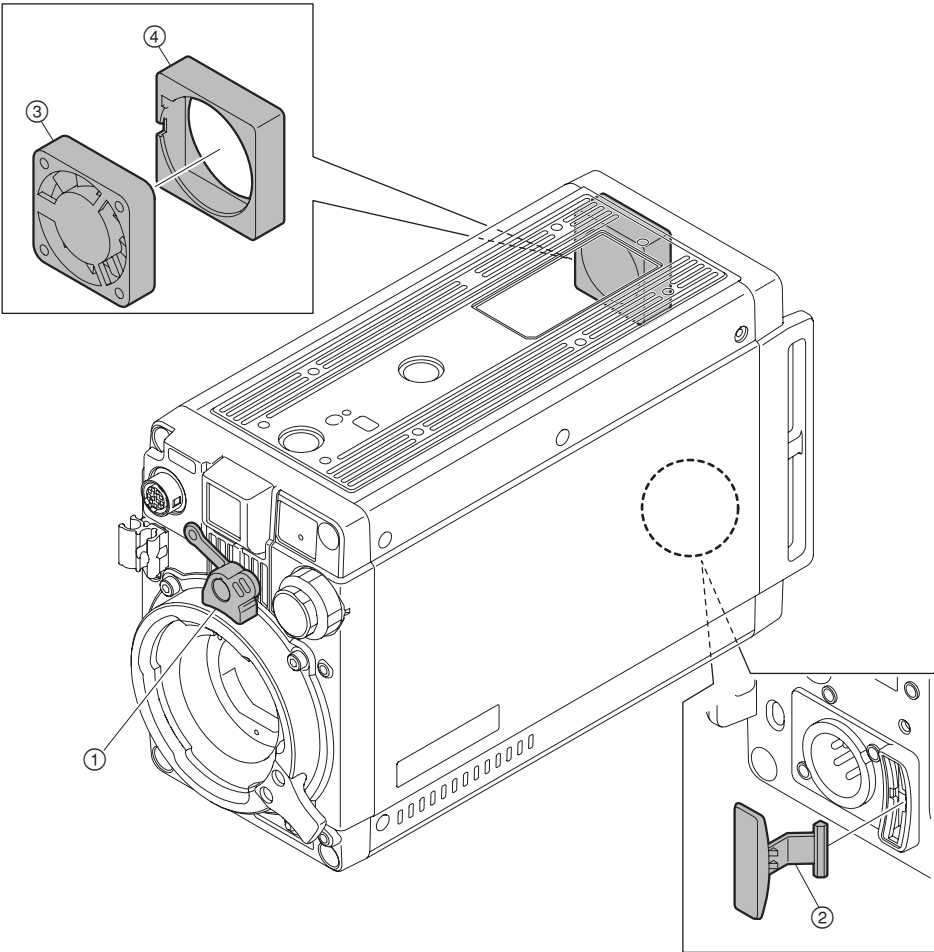
1-13. Periodic Check and Maintenance

1-13-1. Recommended Replacement Parts

This table does not describe the guarantee period of part.
The replacement period of each part depends on the environment and condition.
Rubber parts used in this unit may crack with the lapse of time. Replace them if necessary.
Refer to “Section 2 Replacement of Main Parts” for the replacement method of parts.

No.	Part name	Sony Part No.	Check/replacement period
①	HOLDER LENS MOUNT	3-796-982-xx	Replace them if necessary
②	MS-CAP	4-169-755-xx	Replace them if necessary
③	FAN, DC (40 SQUARE)	1-787-899-xx	Check every five years and replace them if necessary*
④	CUSHION, FAN (40X10)	3-097-054-xx	Replace them if necessary

*: When used for eight hours a day.

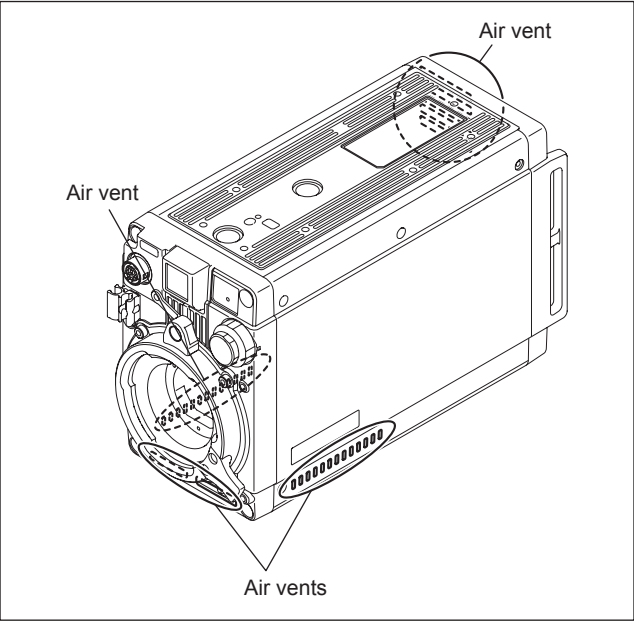


1-13-2. Cleaning the Air Vents

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. Remove dust on the four air vent areas with a vacuum cleaner.



1-14. Description of CCD Block Number

Every CCD unit has its own ID number called CCD block number. It shows the CCD block type and serial number of the CCD block.

The CCD block number label is attached inside the CCD unit.

Example) ONA xxxxx
 ↑ ↑
 Serial number of the CCD block
 CCD block type

For replacing the CCD unit, refer to Section 2-1.

1-15. Optional Fixtures

Name	Sony Part No.	Remarks
EX-738 board	A-8327-351-A	For extension of AT-163APT and RE-268PT boards
EX-1155 board	A-1768-289-A	For extension of DPR-316 and IF-1129 boards
EX-1161 board	A-1768-291-A	For extension of DPR-315 board
ROM-28 board	A-8326-017-A	For boot program upgrade

1-16. Notes on Repair Parts

1. Safety Related Components

WARNING

Components marked $\triangle$ are critical to safe operation.
Therefore, be sure to use specified parts for replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used in the unit. These are because of parts commonality and improvement.
Parts list includes the present standardized repair parts.

3. Stock of Parts

Parts marked with “o” in the 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.

1-17. Unleaded Solder

Boards requiring use of unleaded solder are printed with a lead free mark (LF) indicating the solder contains no lead.



: LEAD FREE MARK

Notes

- Be sure to use the unleaded solder.
- 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.
- An 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 off if the heated tip is applied for too long, so be careful.

Section 2

Replacement of Main Parts

2-1. Replacing the CCD Unit

Note

Do not replace the CCD unit with the power turned on.

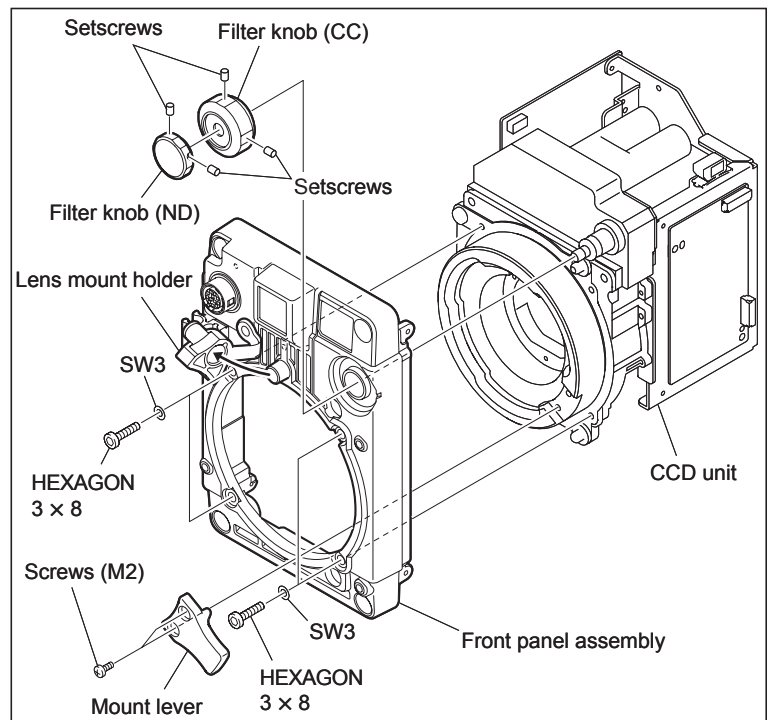
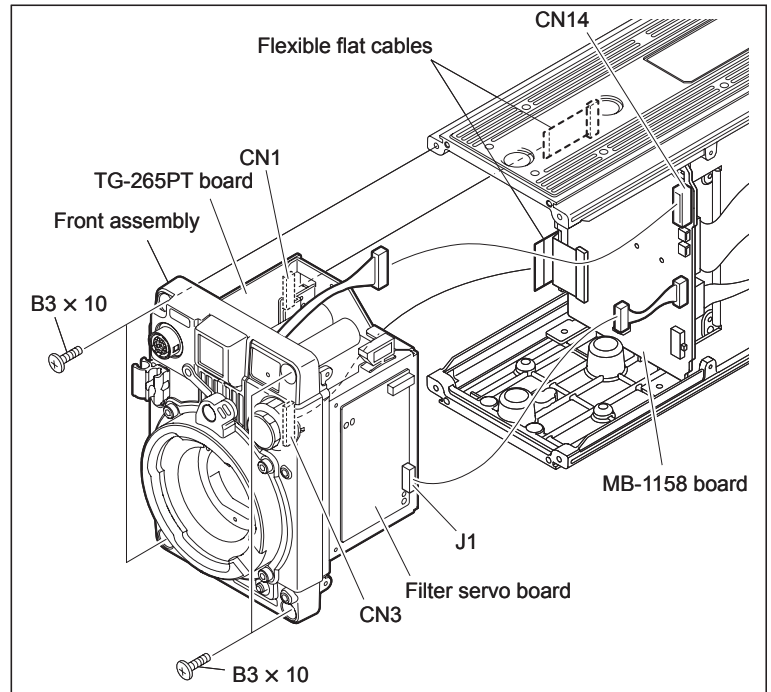
Before replacing the CCD unit, be sure to turn off the power switch and disconnect the cable connected to the DC IN connector.

1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Disconnect the harness from the connector (J1) on the filter servo board.
3. Disconnect the two flexible flat cable from the connectors (CN1, CN3) on the TG-265PT board.

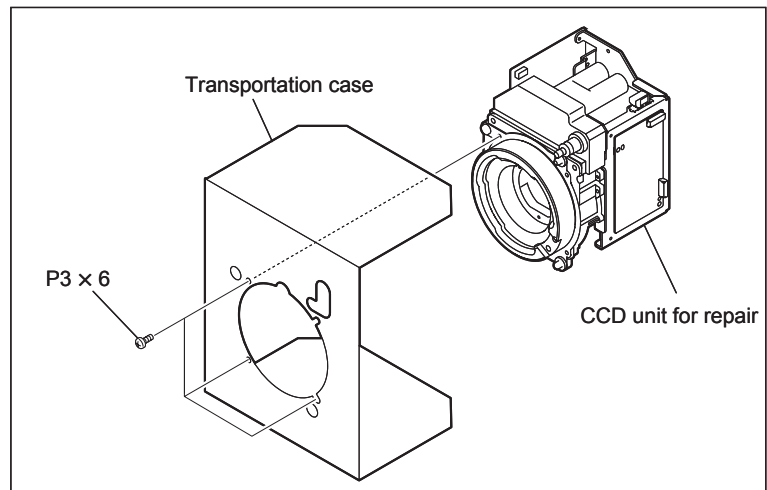
Note

Be careful not to bend the flexible card wire. This shortens the wire life.

4. Disconnect the harness from the connector (CN14) on the MB-1158 board.
5. Remove the four screws to remove the front assembly.
6. Remove the lens mount holder.
7. Remove the two screws to detach the mount lever.
8. Loosen the two setscrews to detach the filter knob (ND).
9. Loosen the two setscrews to detach the filter knob (CC).
10. Remove the four hexagon cap screws and four spring washers to detach the front panel assembly.



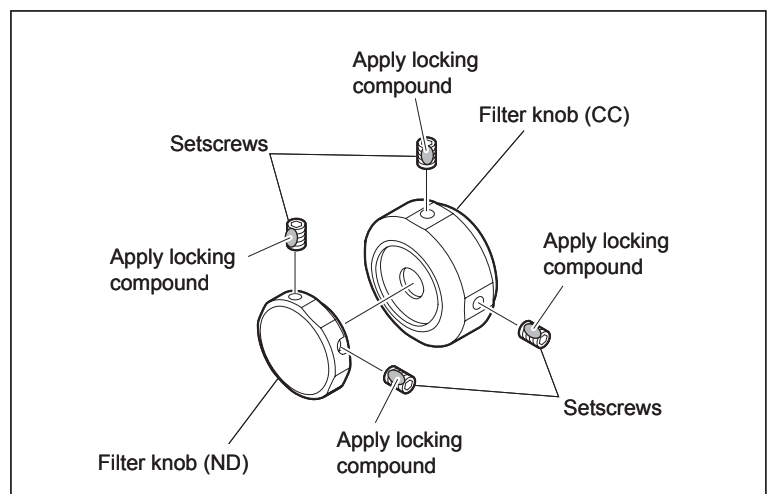
11. Remove the three screws and remove the transportation case from the CCD unit for repair (option).



12. Install the CCD unit for repair by reversing the steps above.

Note

When attaching the filter knob (ND) and the filter knob (CC), apply locking compound to the threads of the four setscrews.



Work after replacement

Perform the following after the CCD unit is replaced.

- “3-9. TEST SAW Level Adjustment”

2-2. Replacing CCD Unit Boards

2-2-1. DR-632P Board

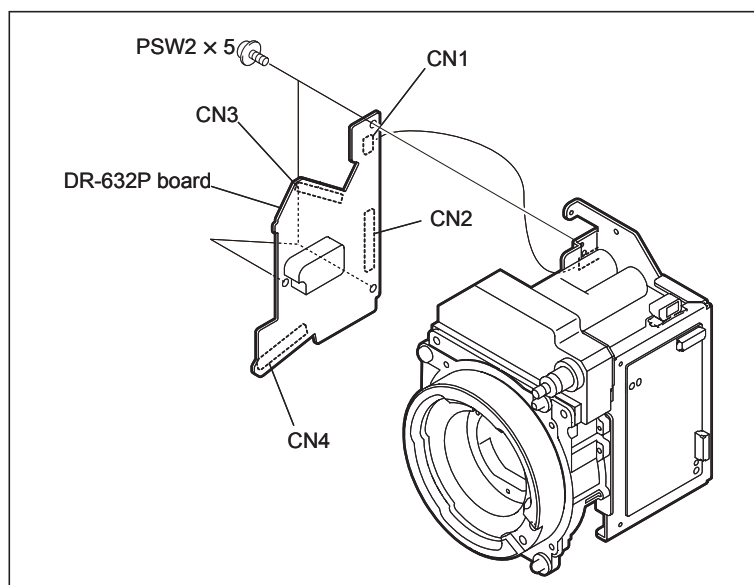
1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Remove the CCD unit. (Refer to Section 2-1.)
3. Remove the TG-265PT board.
(Refer to Section 2-2-4.)

4. Disconnect the flexible card wires from the connectors (CN1, CN2, CN3, CN4) on the DR-632P board.

Note

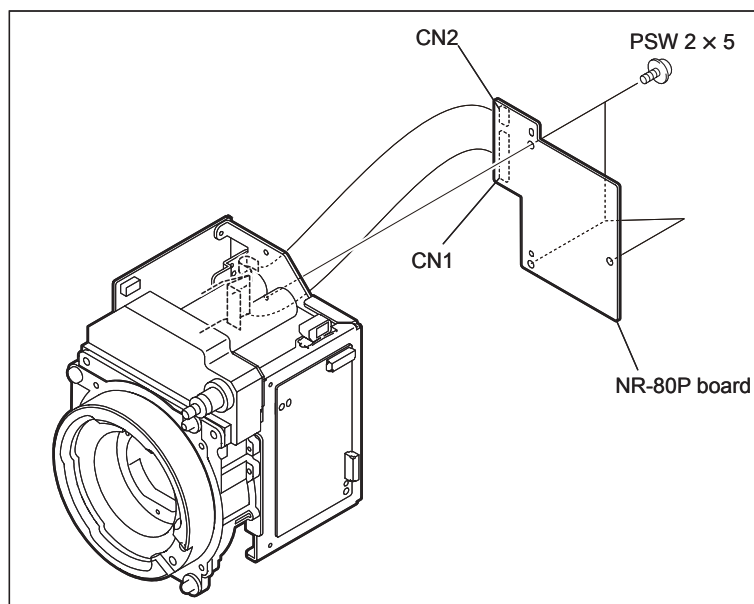
Be careful not to bend the flexible card wire. This shortens the wire life.

5. Remove the three screws to remove the DR-632P board.
6. Install a new DR-632P board by reversing the steps above.



2-2-2. NR-80P Board

1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Remove the CCD unit. (Refer to Section 2-1.)
3. Disconnect the flexible card wires from the connectors (CN1, CN2) on the NR-80P board.
4. Remove the three screws to remove the NR-80P board.
5. Install a new NR-80P board by reversing the steps above.



2-2-3. PA-353P Board

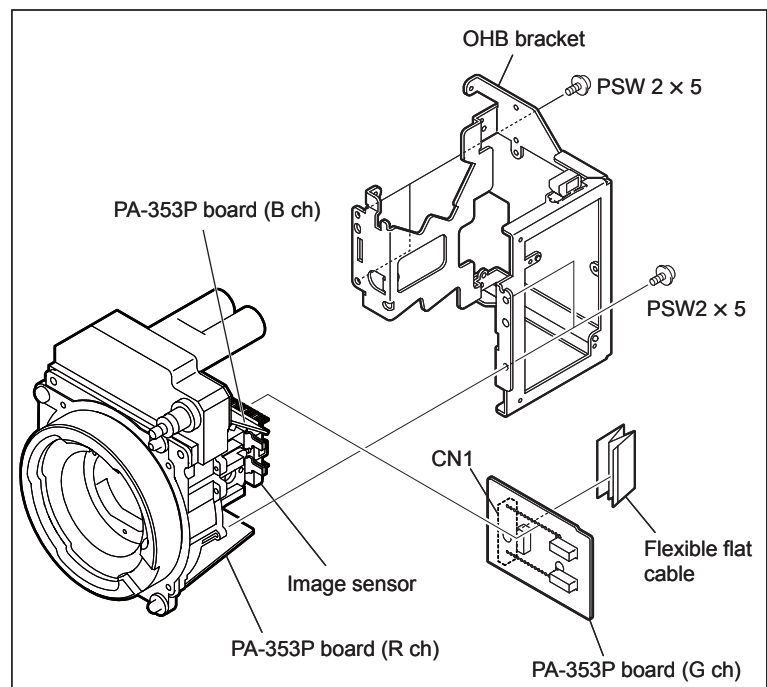
Replacement

The PA-353P board is not a spare part.
When replacing the PA-353P board, replace the CCD unit with the PA-353P board contained.

Removal

This unit uses three PA-353P boards (for channels R, G, and B). The following describes the procedure of removing the PA-353P board of channel G as an example.

1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Remove the CCD unit. (Refer to Section 2-1.)
3. Remove the DR-632P board.
(Refer to Section 2-2-1.)
4. Remove the TG-265PT board.
(Refer to Section 2-2-4.)
5. Remove the filter servo board.
(Refer to Section 2-2-5.)
6. Disconnect the flexible flat cable from the connector (CN1) on the PA-353P board (channel G).
7. Remove the four screws to detach the OHB bracket.
8. Unsolder the pins of the image sensor to remove the PA-353P board (channel G)

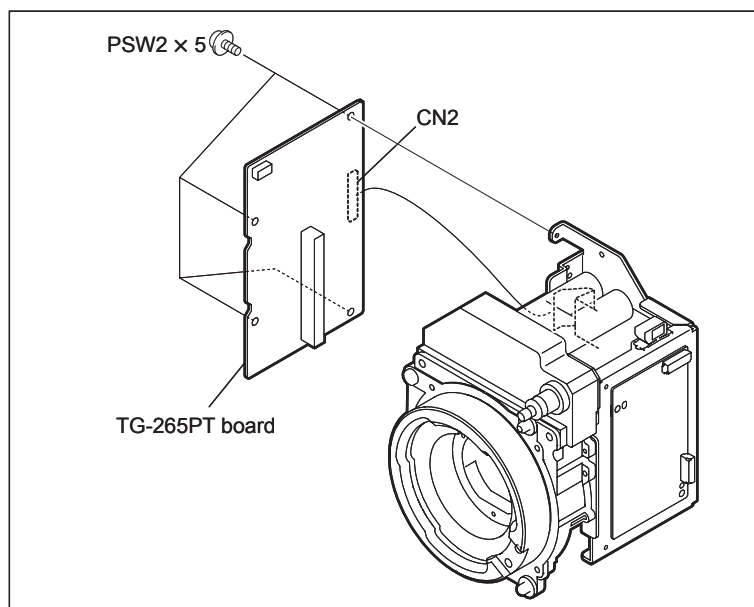


Installation

1. Install a new PA-353P board (channel G) by reversing the steps of removal.

2-2-4. TG-265PT Board

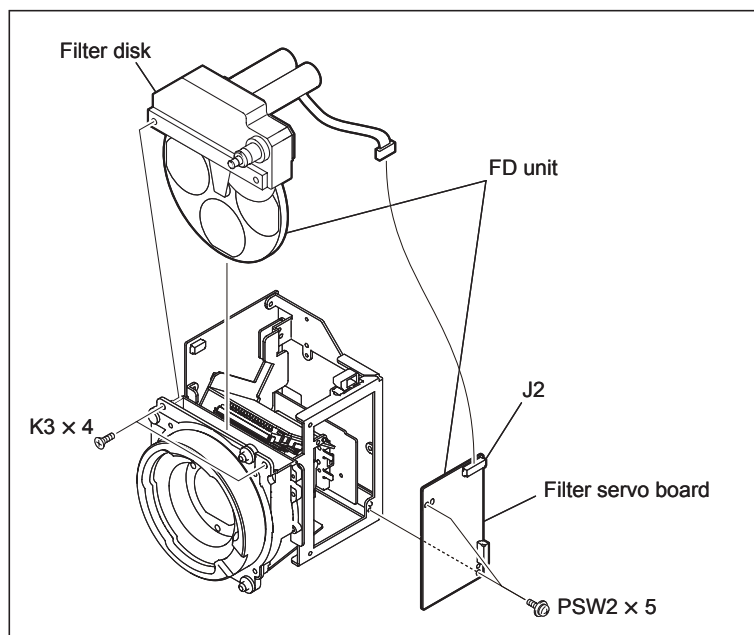
1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Remove the CCD unit. (Refer to Section 2-1.)
3. Disconnect the flexible card wire from the connector (CN2) on the TG-265PT board.
4. Remove the four screws to remove the TG-265PT board.
5. Install a new TG-265PT board by reversing the steps above.



2-2-5. Filter Servo Board (FD Unit)

When replacing the filter servo board, replace the FD (filter disk) unit with the filter servo board contained.

1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Remove the CCD unit. (Refer to Section 2-1.)
3. Disconnect the harness from the connector (J2) on the filter servo board.
4. Remove the two screws (K3 x 4) to remove the filter disk.
5. Remove the two screws (PSW2 x 5) to remove the filter servo board.
6. Install a new filter servo board by reversing the steps above.

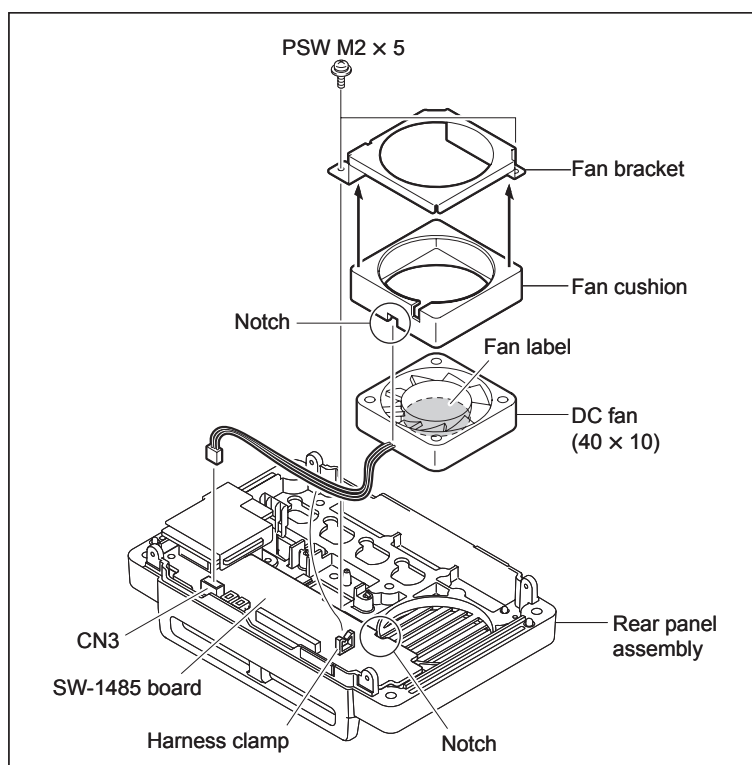


2-3. Replacement of DC Fan

1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Remove the rear panel assembly.
(Refer to Section 2-6.)
3. Disconnect the harness from the connector (CN3) on the SW-1485 board and release the harness from the harness clamp.
4. Remove the two screws to detach the DC fan, DC fan cushion, and fan bracket.
5. Remove the DC fan from the fan bracket and detach the fan cushion.
6. Install the new DC fan by reversing the steps of removal.

Notes

- When installing the DC fan, pay attention to the fan label orientation and the harness lead-out direction.
- When installing the DC fan, pass the harness through the notch on the SW-1485 board so that the harness is not caught.



2-4. Replacing Operation Parts

Remove relevant boards and replace operation parts according to the table below.

	Parts Name	Board	Reference Section
Rear panel	POWER switch MENU switch Menu control knob (Rotary encoder)	SW-1485	2-7-2

2-5. Replacing Connectors

Remove relevant boards and replace connectors according to the table below.

	Parts Name	Board	Reference Section
Front panel	LENS connector	CN-3282	2-7-9
Rear panel	D-sub connector REMOTE connector	SW-1485	2-7-2
	LAN connector Memory Stick PRO Duo slot	IF-1129	2-7-5
	GENLOCK connector SDI1 connector SDI2 connector VBS connector	DPR-316	2-7-4
	DC IN connector	CN-3283	2-7-1

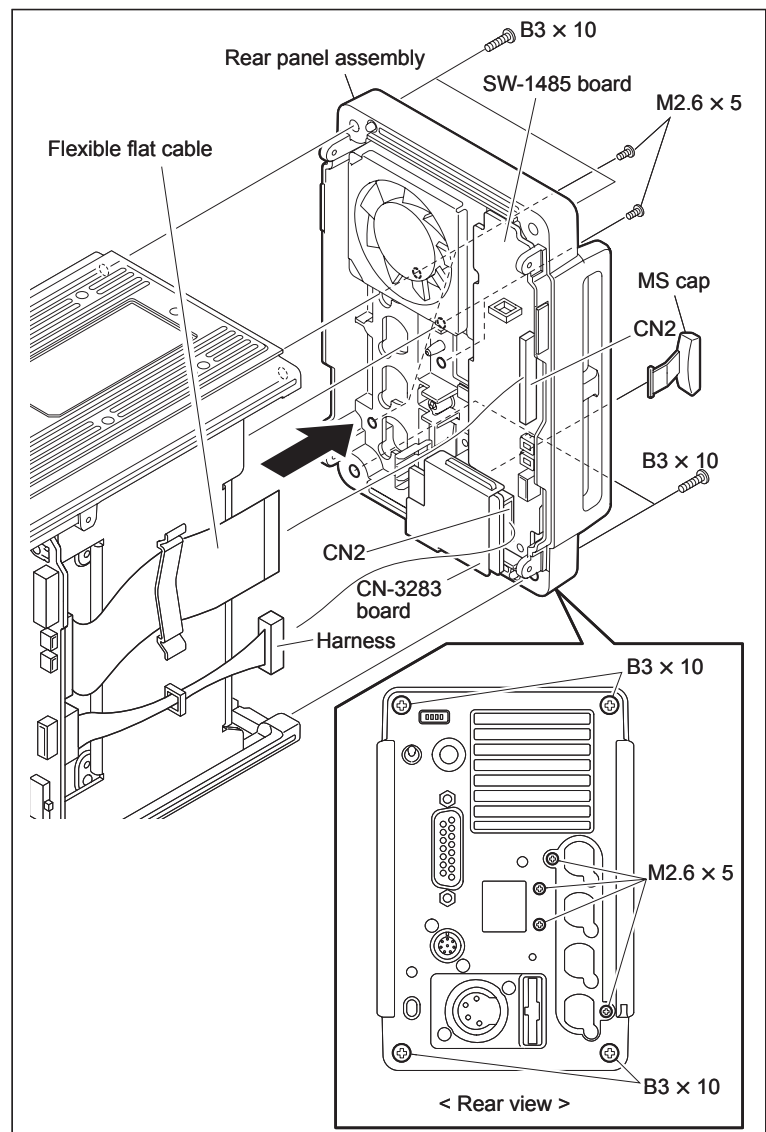
2-6. Removal and Installation of Rear Panel Assembly

Removal

1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Disconnect the flexible flat cable from the connector (CN2) on the SW-1485 board and the harness from the connector (CN2) on the CN-3283 board.
3. Remove the four screws (B3 × 10) and the four screws (M2.6 × 5) shown in the figure to detach the rear panel assembly.

Note

Detach and keep the MS cap not to lose it.



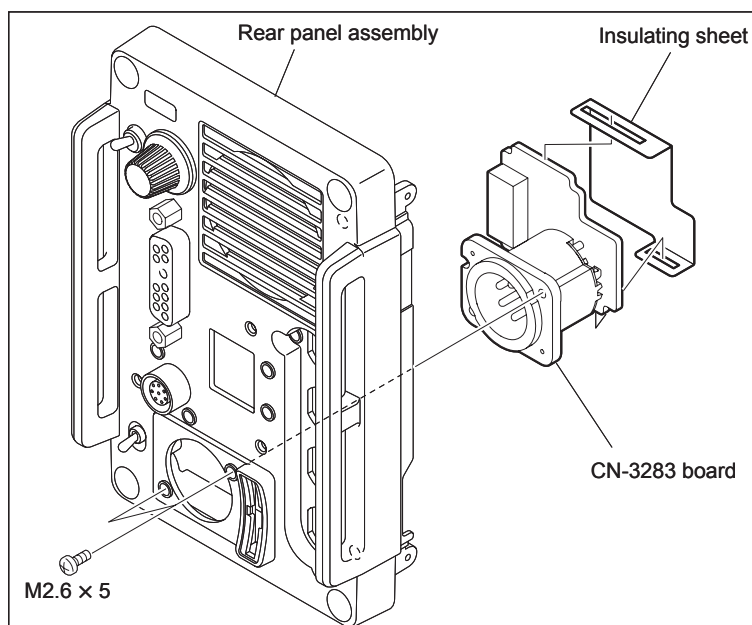
Installation

1. Install the rear panel assembly by reversing the steps of removal.

2-7. Replacement of Boards

2-7-1. CN-3283 Board

1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Remove the rear panel assembly.
(Refer to Section 2-6.)
3. Remove the two screws and remove the CN-3283 board.
4. Detach the insulating sheet from the CN-3283 board.
5. Install the new CN-3283 board by reversing the steps of removal.

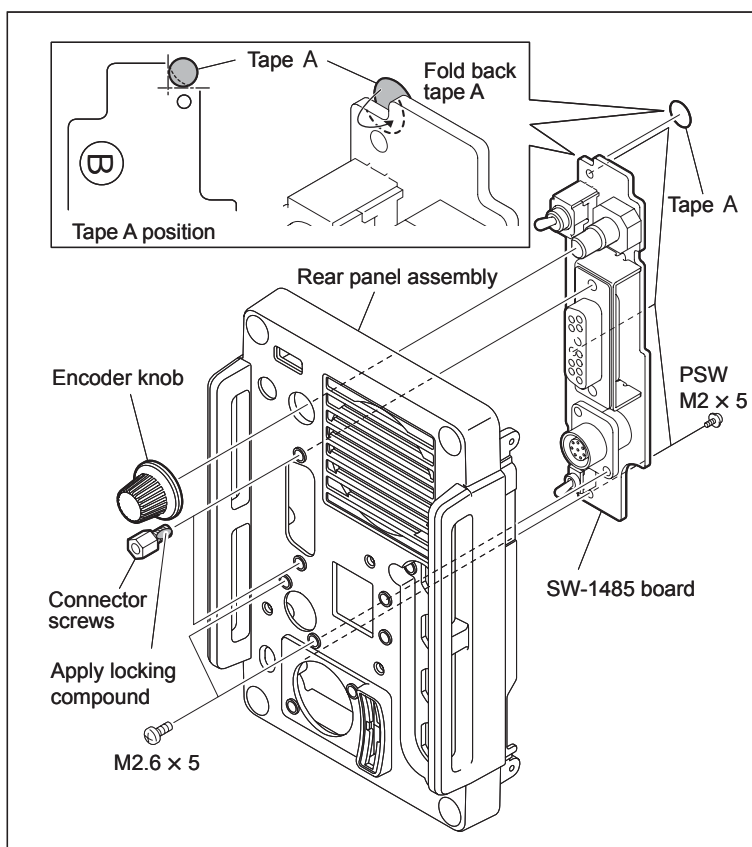


2-7-2. SW-1485 Board

1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Remove the rear panel assembly.
(Refer to Section 2-6.)
3. Disconnect the harness from the DC fan.
(Refer to Section 2-3 step 3.)
4. Remove the CN-3283 board.
(Refer to Section 2-7-1.)
5. Remove the five screws, two connector screws, and the encoder knob to detach the SW-1485 board.
6. Install the new SW-1485 board by reversing the steps of removal.

Notes

- When installing the SW-1485 board, attach tape A at the location shown in the figure.
- Apply locking compound to the threads of the connector screws when screwing them.

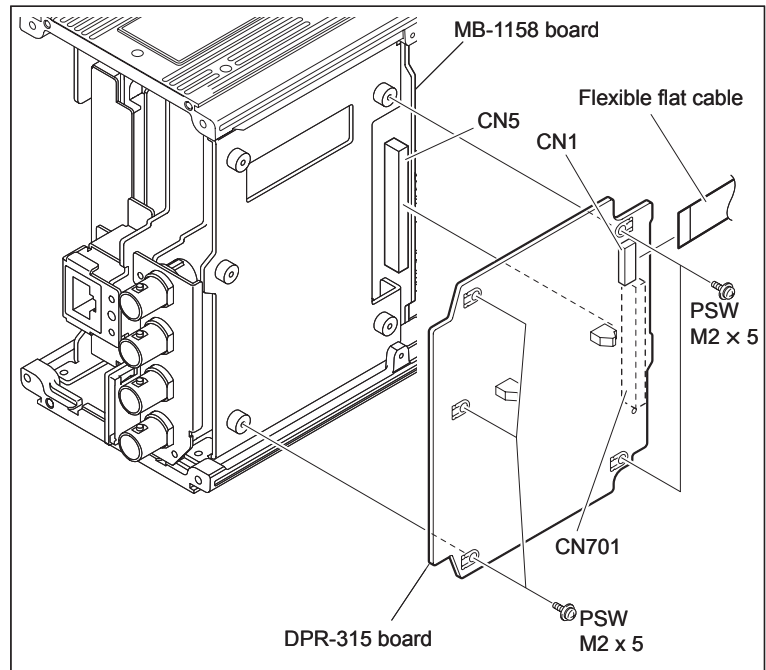


2-7-3. DPR-315 Board

1. Remove the side panel (L) assembly.
(Refer to Section 1-5.)
2. Disconnect the flexible flat cable from the connector (CN1) on the DPR-315 board.
3. Remove the five screws and remove the DPR-315 board.
4. Install the new DPR-315 board by reversing the steps of removal.

Note

When installing the DPR-315 board, connect the connector (CN701) on the DPR-315 board firmly to the connector (CN5) on the MB-1158 board.

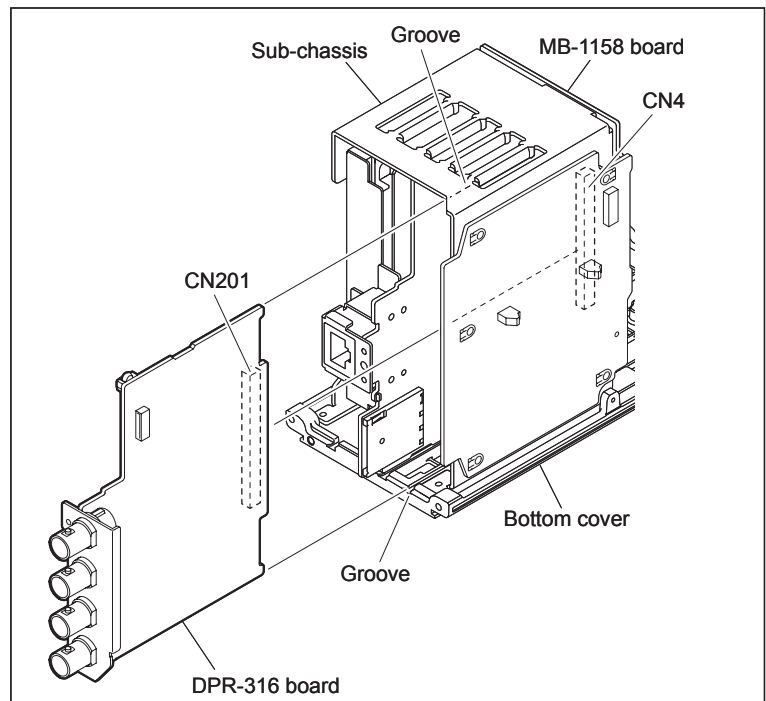


2-7-4. DPR-316 Board

1. Remove the side panel (L) assembly and the side panel (R) assembly.
(Refer to Section 1-5.)
2. Remove the rear panel assembly.
(Refer to Section 2-6.)
3. Pull out the DPR-316 board.
4. Install the new DPR-316 board by reversing the steps of removal.

Notes

- Insert the DPR-316 board into the groove between the bottom cover and the sub-chassis.
- Connect the connector (CN201) on the DPR-316 board firmly to the connector (CN4) on the MB-1158 board.
- There are two types of repair parts for the DPR-316 board. Note that repair part numbers vary with serial numbers of HDC-P1. For details, refer to “1-9-4. Notes on Replacing the DPR-316 Board.”

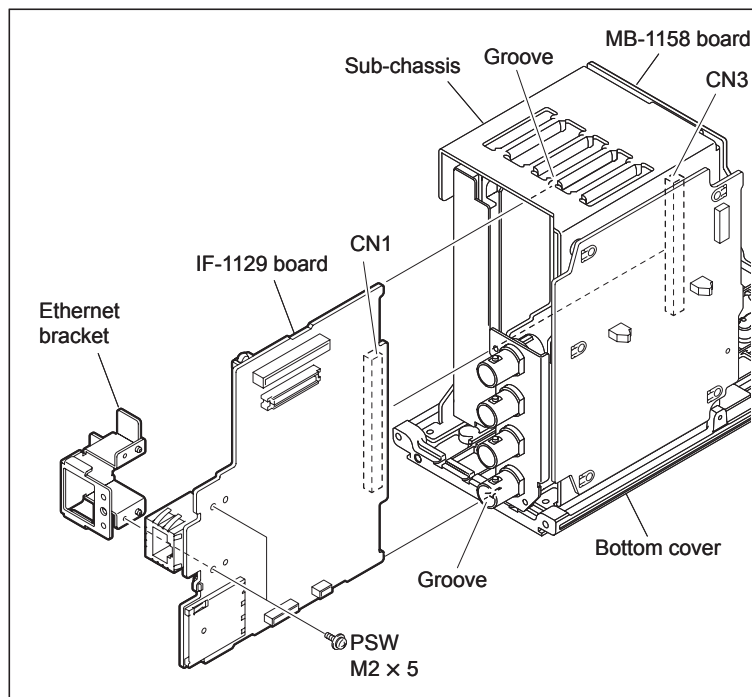


2-7-5. IF-1129 Board

1. Remove the side panel (L) assembly and the side panel (R) assembly. (Refer to Section 1-5.)
2. Remove the rear panel assembly. (Refer to Section 2-6.)
3. Pull out the IF-1129 board.
4. Remove the two screws to detach the Ethernet bracket from the IF-1129 board.
5. Install the new IF-1129 board by reversing the steps of removal.

Notes

- Insert the IF-1129 board into the groove between the bottom cover and the sub-chassis.
- Connect the connector (CN1) on the IF-1129 board firmly to the connector (CN3) on the MB-1158 board.



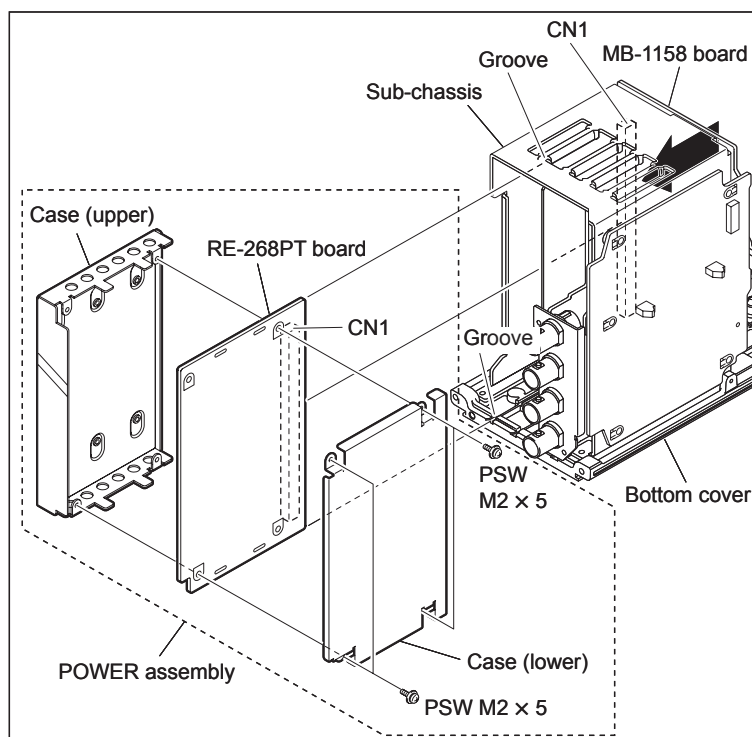
2-7-6. RE-268PT Board

1. Remove the side panel (L) assembly and the side panel (R) assembly. (Refer to Section 1-5.)
2. Remove the rear panel assembly. (Refer to Section 2-6.)
3. Remove the IF-1129 board. (Refer to Section 2-7-5.)
4. Pull out the POWER assembly.
5. Remove the four screws to detach the case (upper) and the case (lower) from the RE-268PT board.
6. Attach the case (upper) and the case (lower) to the RE-268PT board with four screws.
7. Connect the POWER assembly to the connector (CN1) on the MB-1158 board while pressing the MB-1158 board from the arrow direction.

Notes

- Insert the POWER assembly into the groove between the bottom cover and the sub-chassis.
- Connect the connector (CN1) on the RE-268PT board firmly to the connector (CN1) on the MB-1158 board.

8. Install the removed parts by reversing steps 1 to 3 of removal.



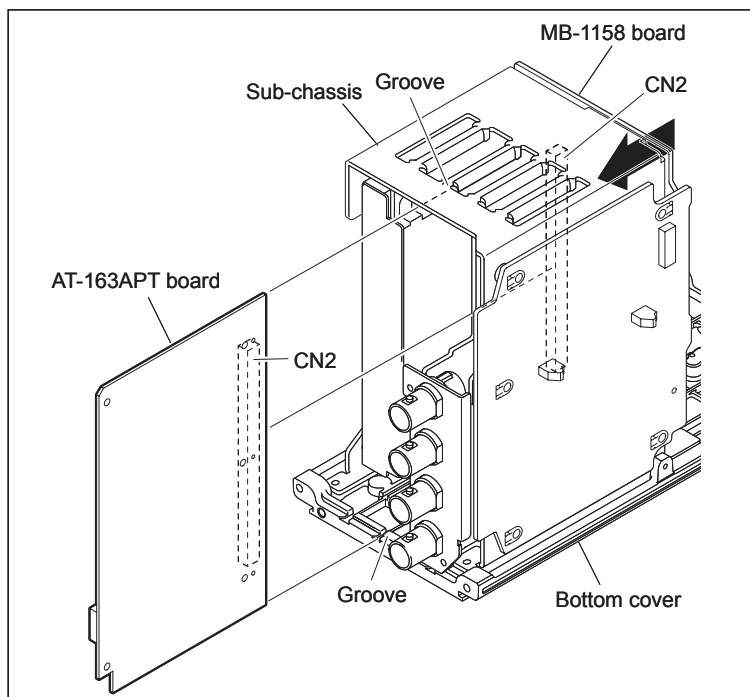
2-7-7. AT-163APT Board

1. Remove the side panel (L) assembly and the side panel (R) assembly. (Refer to Section 1-5.)
2. Remove the rear panel assembly. (Refer to Section 2-6.)
3. Remove the IF-1129 board. (Refer to Section 2-7-5.)
4. Pull out the AT-163APT board.

5. Connect the AT-163APT board to the connector (CN2) on the MB-1158 board while pressing the MB-1158 board from the arrow direction.

Notes

- Insert the AT-163APT board into the groove between the bottom cover and the sub-chassis.
 - Connect the connector (CN2) on the AT-163APT board firmly to the connector (CN2) on the MB-1158 board.
6. Install the removed parts by reversing steps 1 to 3 of removal.



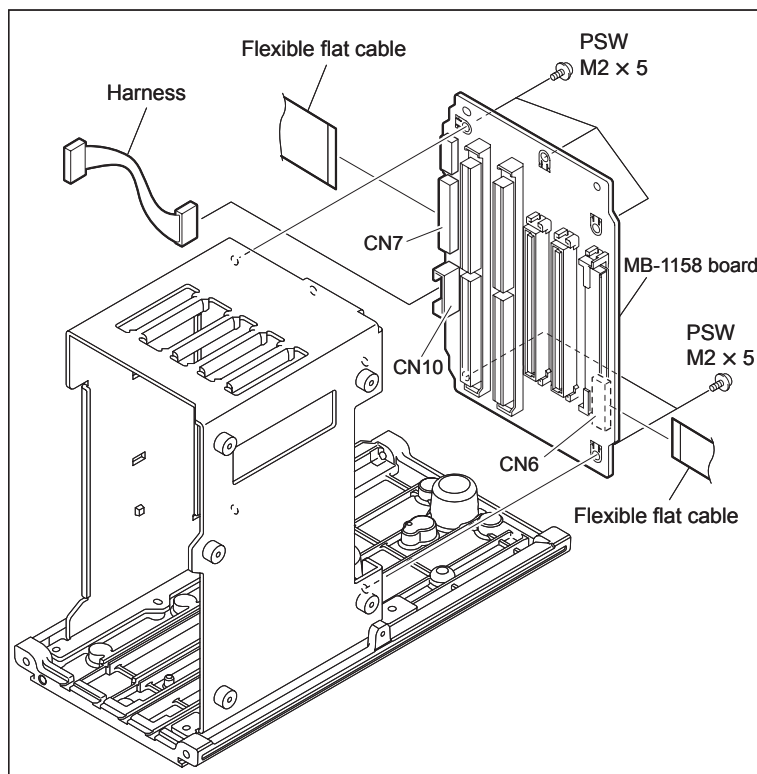
2-7-8. MB-1158 Board

1. Remove the side panel (L) assembly and the side panel (R) assembly. (Refer to Section 1-5.)
2. Remove the front assembly. (Refer to Section 2-1.)
3. Remove the rear panel assembly. (Refer to Section 2-6.)
4. Remove the DPR-315 board. (Refer to Section 2-7-3.)
5. Remove the DPR-316 board. (Refer to Section 2-7-4.)
6. Remove the IF-1129 board. (Refer to Section 2-7-5.)
7. Remove the RE-268PT board. (Refer to Section 2-7-6.)
8. Remove the AT-163APT board. (Refer to Section 2-7-7.)
9. Disconnect the two flexible flat cables and the harness from the connectors (CN6, CN7, CN10) on the MB-1158 board.

Note

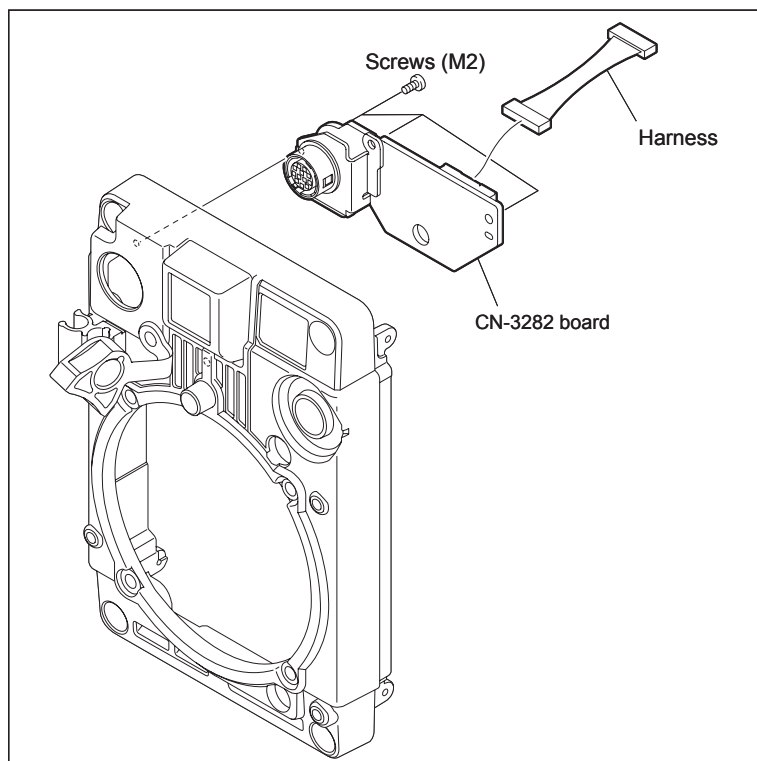
Life of flexible flat cable will be significantly shortened if it is folded. Be very careful not to fold the flexible flat cable.

10. Remove the five screws and remove the MB-1158 board.
11. Install the new MB-1158 board by reversing the steps of removal.



2-7-9. CN-3282 Board

1. Remove the side panel (L) assembly and the side panel (R) assembly. (Refer to Section 1-5.)
2. Remove the CCD unit. (Refer to Section 2-1.)
3. Remove the three screws and remove the CN-3282 board.
4. Disconnect the harness from the connector on the CN-3282 board.
5. Install the new CN-3282 board by reversing the steps of removal.



Section 3

Electrical Alignment

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

Notes

- Perform the video system level adjustment (Section 3-4) according to customer needs.
- Master setup unit MSU-900 and other equipment/tools are used for electrical adjustments of the unit. Refer to Section 3-1-8 when using the camera setup menu for electrical adjustments without using MSU-900.

3-1. Preparations

3-1-1. Equipment Required

Measuring equipment

- HDTV serial digital waveform monitor: Leader Electronics LV5150DA
Leader Electronics LV5152DA (multi format)
or equivalent
- HD color monitor: Sony BVM-D20F1/BVM-D14H5, or equivalent
- Oscilloscope: Tektronix TDS460A, or equivalent
- FM signal generator: ROHDE&SCHWARS SMHU58, or equivalent

Related equipment

- Master setup unit: MSU-900/950
- Lens: Canon HJ18, or equivalent

Tools

- 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 (4 : 3 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 should be calibrated.
- Periodic maintenance should be conducted for the pattern box.
- “Section 3-1-7 Initial Settings” should be completed.

3-1-3. File Data at Adjustment

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



- 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 Memory Stick PRO Duo. Therefore, store this data in the Memory Stick PRO Duo first before starting adjustment, and restore this data from the Memory Stick PRO Duo 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 use for a long time under direct 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.

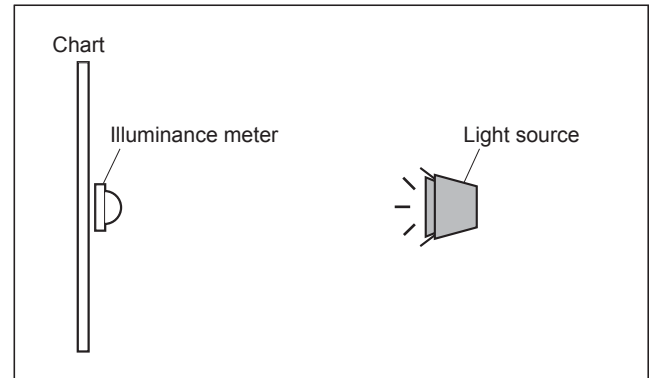
Setting illumination (when the reflective chart is used)

Measuring equipment: Illuminance meter (Calibrated)

1. Turn on the light source and warm up for about 30 minutes.
2. 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.



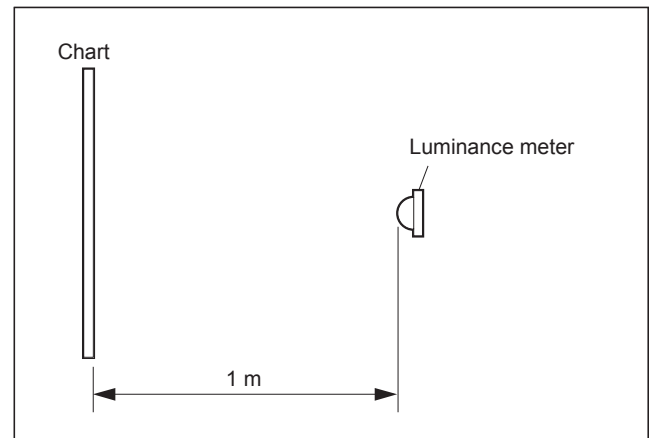
Setting luminous intensity (when the transparent chart is used)

Measuring equipment: Luminance meter (Minolta LS-110 or equivalent. Calibrated.)

1. Light the pattern box and warm up for about 30 minutes.
2. 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.)
3. Place the luminance meter facing straight to the chart at a distance of 1 m from it.
4. Adjust the luminance control of the pattern box so that the white portion in the center of the chart is 573 ± 6 cd/m².

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

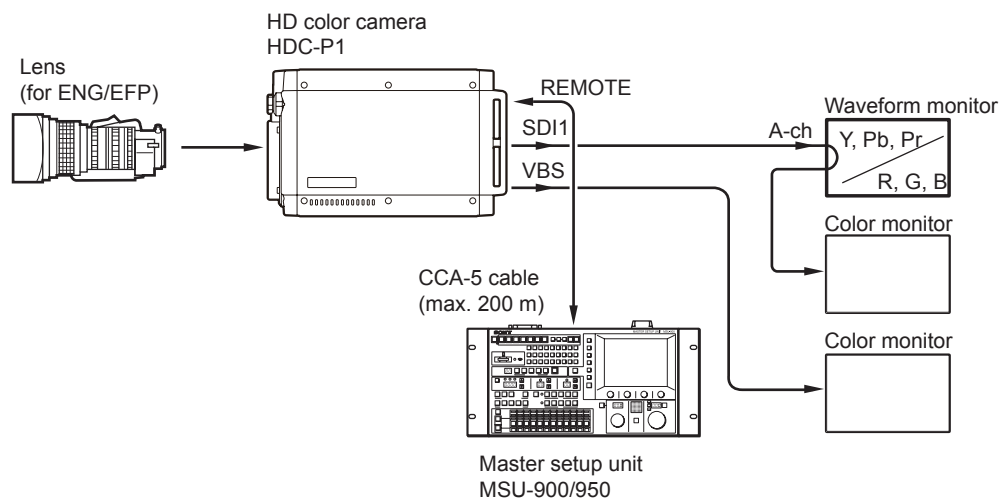
How to display the SERVICE menu

1. Turn the DISPLAY/MENU switch to the MENU side while pressing the menu control knob.
“TOP” appears at the upper right of the screen.
2. Set the cursor at TOP and press the menu control knob.
The TOP menu screen opens.
3. Set the cursor at AUTO SETUP of the MAINTENANCE menu and press the menu control knob for at least 10 seconds.
The AUTO SETUP screen opens.
4. Set the cursor at AUTO BLACK and turn off the DISPLAY/MENU switch, and then turn the switch to the MENU side again.

How to change the setting values

For items whose values can be modified by turning the menu control knob, set values can be fixed by pressing the knob.

3-1-6. Connection of Equipment



3-1-7. Initial Settings

Note

This section describes the adjustment procedures using MSU-900.

MSU control panel

When MSU-900 is used

- 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)
 - LVL DEP 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)
 - ECS/SHUTTER ON button → OFF (dark)

When MSU-950 is used

- 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* → OFF (lit in reverse)
 - Detail Off* → OFF (lit in reverse)
 - Level Dep Off* → OFF (lit in reverse)
 - Matrix Off* → OFF (lit in reverse)
 - AUTO KNEE button → OFF (dark)
 - SKIN DETAIL button → OFF (dark)
- Others
 - Gamma Off* → ON (lit normally)
 - Master Gain* → 0 (0 dB)
 - ND (1/2/3/4)* → 1 (CLEAR)
 - CC (A/B/C/D)* → B (3200 K)
 - ECS/Shutter* → OFF (lit normally)

※: Push the FUNCTION button, then select on the function menu screen.

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

- 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-900. These tables list camera menu items corresponding to adjustment items of MSU-900.

Maintenance menu (MAINTENANCE button/ MSU-900 → ON (lit))

Menu item of MSU-900				Menu item of camera		
Menu	Secondary menu	Sub menu	Adjustment item	MENU	PAGE	ITEM
Adjusting 1/2	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
Auto Setup	Auto Level			MAINTENANCE	AUTO SETUP	AUTO LEVEL
Lens Adjusting	V Mod Saw		R/G/B	PAINT	VIDEO LEVEL	V MOD R/G/B
	Auto Iris		Level	MAINTENANCE	AUTO IRIS	IRIS LEVEL
			APL Ratio			APL RATIO

File control menu (FILE button/MSU-900 → ON (lit))

Menu item of MSU-900		Menu item of camera		
Menu	Sub menu	MENU	PAGE	ITEM
Reference	Ref Store	FILE	REFERENCE	STORE FILE
Lens File	Lens Store		LENS FILE	STORE FILE
OHB File	OHB Store		OHB FILE	STORE FILE

Paint menu page 1/4 (PAINT button/MSU-900 → ON (lit))

Menu item of MSU-900			Menu item of camera		
Menu	Sub menu	Adjustment item	MENU	PAGE	ITEM
Black		R/G/B/Master	PAINT	VIDEO LEVEL	BLACK R/G/B/M
Flare		R/G/B			FLARE R/G/B
Detail	Detail 1	Level		DETAIL 1	LEVEL
		Limiter			LIMITER [M]
		Crispning			CLISP
		Level Dep			LVL DEP
	Detail 2	H/V Ratio		DETAIL 2	HV RATIO
	Detail 3	W.Limiter		DETAIL 1	LIMITER WHT
		B.Limiter			LIMITER BLK

Paint menu page 2/4 (PAINT button/MSU-900 → ON (lit))

Menu item of MSU-900		Menu item of camera		
Menu	Adjustment item	MENU	PAGE	ITEM
Gamma	R/G/B/Master	PAINT	GAMMA	LEVEL R/G/B/M
Knee Point	R/G/B/Master		KNEE	K POINT R/G/B/M
Knee Slope	R/G/B/Master			K SLOPE R/G/B/M
White Clip	R/G/B/Master		WHT CLP	(Master)

3-2. Automatic Adjustment

To execute the automatic adjustment

1. **MSU menu operation:**

- MAINTENANCE button→ ON (lit)
- Touch panel operation

Auto Setup → Auto Level

Note

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. BLACK SET Adjustment

Preparation

- Setting for MSU-900
CLOSE button → ON (lit)
MASTER GAIN → 12

Adjustment Procedure

1. **Adjustment Item:**

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 -3 to $+12$ dB.
3. Execute STORE FILE.
MENU: SERVICE
PAGE: BLACK SHADING
ITEM: STORE FILE
4. Set the value to the value adjusted in step 2 and execute STORE FILE for each format.
(For the format change procedure, refer to the Operation Manual.)

3-3-2. Sensitivity Adjustment

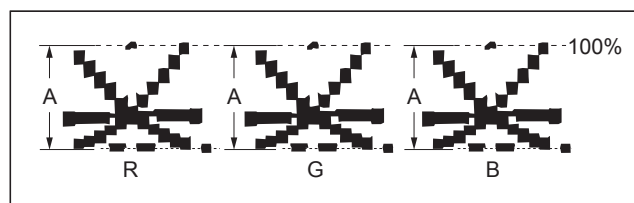
Preparations

- MSU-900 settings
CLOSE button → OFF (dark)
GAMMA OFF button → OFF (lit)
MASTER GAIN → 0
DETAIL OFF button → OFF (lit)
- Lens iris
1080/59.94i: F10
1080/50i: F11 (only 50i region)

* Use a lens that has a transmittance equivalent to Canon HJ18.

Adjustment

1. Set the format to “1080/59.94i”.
(For the format change procedure, refer to the Operation Manual.)
2. Set the TEST1 button of MSU-900 to ON (lighting) to display the TEST SAW waveform and check that the amplitude is 700 mV on the waveform monitor.
3. If the amplitude is not 700 mV, make settings by the following menu.
MENU: SERVICE
PAGE: WHITE SHADING
ITEM: Adjust by WHITE [R], [G], [B].
4. Execute STORE FILE.
MENU: SERVICE
PAGE: WHITE SHADING
ITEM: STORE FILE
5. Set the TEST1 button of MSU-900 to OFF (light off).
6. Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
7. Adjust sensitivity by the following menu.
MENU: SERVICE
PAGE: OHB_ADJ1
ITEM: GAIN_CONT [R1], [G1], [B1]
Specification: A = 700 mV
8. Execute STORE FILE.
MENU: SERVICE
PAGE: OHB_ADJ1
ITEM: STORE FILE
9. Adjust sensitivity using the following procedure for each format.
(For the format change procedure, refer to the Operation Manual.)
(1) Set the value to the value adjusted in steps 2 to 7 and execute STORE FILE.



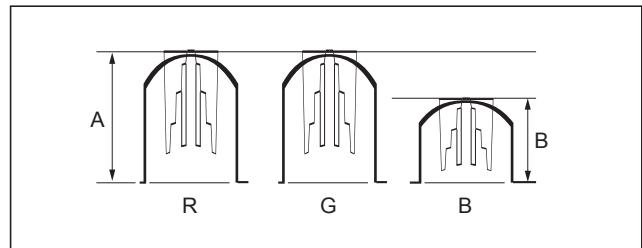
3-3-3. V-SUB Adjustment

Preparation

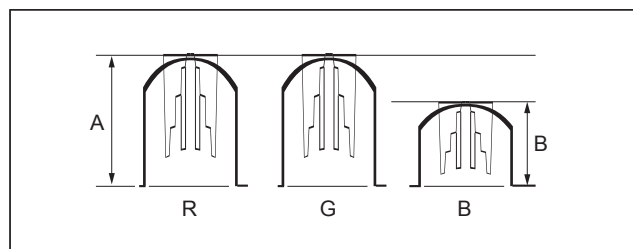
- Setting for MSU-900
DETAIL OFF button → OFF (dark)
AUTO KNEE button → OFF (dark)
FILTER button (ND) → 1 (CLEAR)
MATRIX OFF button → OFF (lit)
GAMMA OFF button → OFF (lit)
MASTER GAIN → 0
SHUTTER button → OFF (dark)
- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
- Iris of the lens: Released

Adjustment Procedure

1. Set the format to “1080/59.94i”.
(For the format change procedure, refer to the Operation Manual.)
2. **Adjustment item:**
MENU: SERVICE
PAGE: OHB_ADJ3
ITEM: V-SUB [R], [G], [B]
TEST MODE: ON
Specification: 1080/59.94i
A = 600 ± 5 mV (R-ch, G-ch)
B = 400 ± 5 mV (B-ch)
3. Execute STORE FILE.
MENU: SERVICE
PAGE: OHB_ADJ3
ITEM: STORE FILE
4. Make the following settings.
 - MSU-900 settings
SHUTTER button → ON (lighting)
SHUTTER SPEED → 1/500
 - or
 - Menu settings
MENU: SERVICE
PAGE: OHB_ADJ3
ITEM: SHUTTER: ON
SHUT_SPEED: 1/500
5. Execute STORE FILE with SHUTTER (1/500) set to ON.
MENU: SERVICE
PAGE: OHB_ADJ3
ITEM: STORE FILE
6. Set SHUTTER to OFF.



7. For formats 1080/50i, 720/59.94P, and 720/50P, set the value to the value adjusted for format 1080/59.94i and perform steps 3 to 6.
(For the format change procedure, refer to the Operation Manual.)
8. Set the format to “1080/29.97PsF”.
9. **Adjustment:**
MENU: SERVICE
PAGE: OHB_ADJ3
ITEM: V-SUB [R], [G], [B]
Specification: 1080/29.97PsF
A = 450 ± 5 mV (R-ch, G-ch)
B = 350 ± 5 mV (B-ch)
10. Perform steps 3 to 6.
11. For formats 1080/25PsF, 1080/24PsF, and 1080/23.98PsF, set the value to the value adjusted for format 1080/29.97PsF and perform steps 3 to 6.
(For the format change procedure, refer to the Operation Manual.)
12. Set TEST MODE to OFF.



3-3-4. Black Shading Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

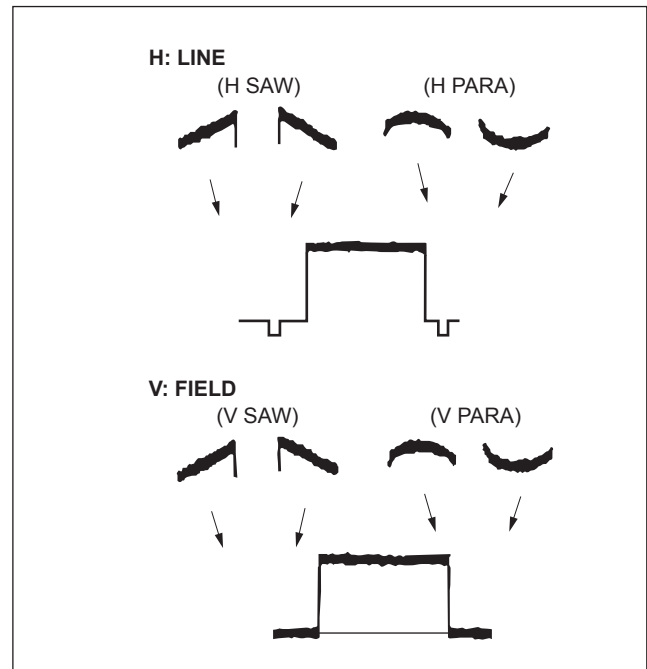
Object: None

Preparation

- Setting for MSU-900
CLOSE button → ON (lit)
GAMMA OFF button → OFF (lit)
MASTER GAIN → 12
MASTER BLACK → 30

Adjustment Procedure

1. **Adjustment Item:**
MENU: SERVICE
PAGE: BLACK SHADING
ITEM: H SAW [R], [G], [B]
H PARA [R], [G], [B]
V SAW [R], [G], [B]
V PARA [R], [G], [B]
2. Adjust this so that each WFM channel becomes as flat as possible.
(Check this in the mode of V: FIELD, H: LINE.)
3. Execute STORE FILE.
MENU: SERVICE
PAGE: BLACK SHADING
ITEM: STORE FILE
4. Set the value to the value adjusted in step 2 and execute STORE FILE for each format.
(For the format change procedure, refer to the Operation Manual.)



3-3-5. White Shading Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

Object: Full-white pattern

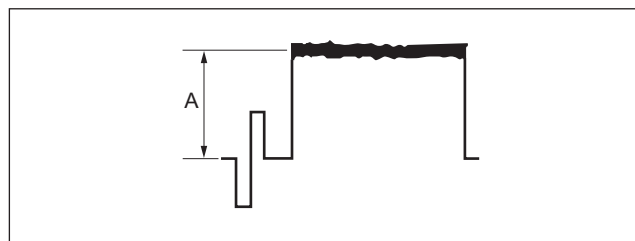
Note

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

- White pattern is not uneven.
- Luminance is correctly adjusted.
- Iris and zoom control of the lens are correctly adjusted.

Preparations

- Setting for MSU-900
KNEE OFF button → OFF (lit)
- Shoot the full-white pattern so that it is aligned with the underscanned monitor frame.
- Iris of the lens: $A = 600 \pm 20$ mV (F4 to F5.6)
(If the lens aperture is greater than F5.6, adjust the light amount with the shutter.)
- Lens focus: ∞
- Lens extender: $\times 2 \rightarrow$ OFF
- Lens shrinker: $\times 0.8 \rightarrow$ OFF
- Selection of lens file
 - (1) Open the following menu.
MENU: OPERATION
PAGE: LENS FILE
ITEM: FILE
 - (2) 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-900.



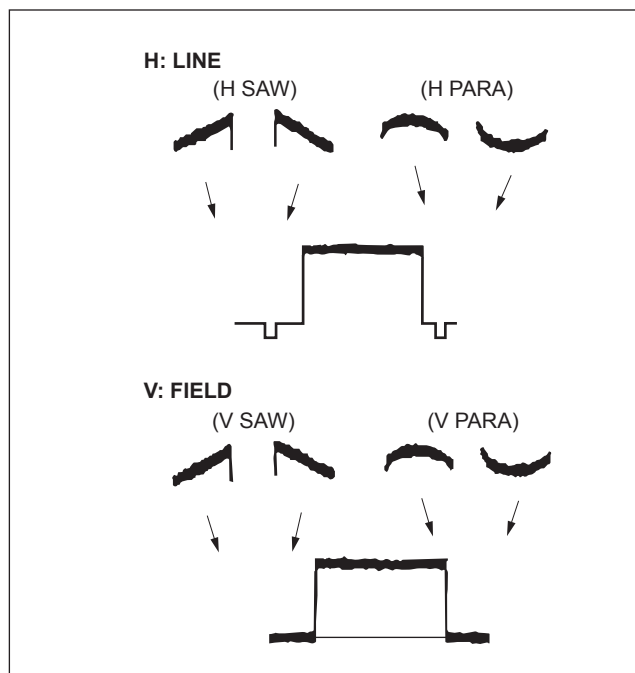
Adjustment Procedure

1. Perform the automatic white balance adjustment.
WHITE button/MSU-900 → ON (lit)
2. If the shading is monitored, adjust it as follows.
MSU menu operation:
 - MAINTENANCE button → ON (lit)
 - Touch panel operation
Adjusting 1/2 → White Shading → [R]**Adjustment items:** H Saw, H Para, V Saw, V Para
3. Adjust for G-ch in the same manner.
4. Adjust for B-ch in the same manner.
5. Perform the automatic white balance adjustment.
WHITE button/MSU-900 → ON (lit)

OHB File Store

MSU menu operation:

- FILE button → ON (lit)
- Touch panel operation
[OHB File] → [OHB Store] → [Store]



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. Perform the automatic white balance adjustment.
WHITE button/MSU-900 → ON (lit)
2. (In the status of lens: ×1) Perform the lens file store.

MSU menu operation:

- FILE button → ON (lit)
- Touch panel operation

Lens File → Lens Store → Store

3. Lens extender: (×2) → ON
or lens shrinker: (×0.8) → ON
4. Perform the automatic white balance adjustment.
WHITE button/MSU-900 → ON (lit)

MSU menu operation:

- MAINTENANCE button → ON (lit)
- Touch panel operation

Lens Adjusting → V Mod Saw

Adjustment item: R, G, B

Specification: Set the V modulation correction value as required.

6. Execute the lens file store.

MSU menu operation:

- FILE button → ON (lit)
- Touch panel operation

Lens File → Lens Store → Store

7. Lens extender: (×2) → OFF
or lens shrinker: (×0.8) → OFF

3-3-6. RPN Adjustment

Preparation

- Adjust the color monitor manually for better display condition.
- Setting for MSU-900
CLOSE button → ON (lit)
DETAIL button → OFF (lit)
MASTER GAIN → 12
- Menu setting
MENU: SERVICE
PAGE: OHB_ADJ2
ITEM: CONC. TEST MODE → ON

Adjustment Procedure

1. **Adjustment Item:**

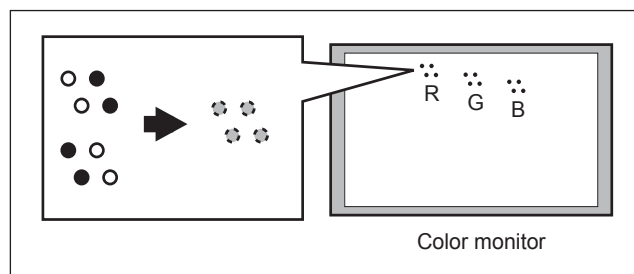
MENU: SERVICE

PAGE: OHB_ADJ1

ITEM: DC_ADJ_B [R1],[G1],[B1]

Specification:

Adjust this so that the dots displayed on the color monitor (R/G/B: four dots each) are of the same brightness.



2. Execute STORE FILE.

MENU: SERVICE

PAGE: OHB_ADJ1

ITEM: STORE FILE

3. **Adjustment item:**

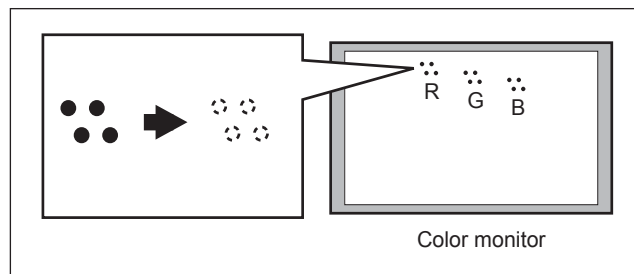
MENU: SERVICE

PAGE: OHB_ADJ2

ITEM: DC_ADJ_C [R1],[G1],[B1]

Specification:

Adjust this so that the dots displayed on the color monitor (R/G/B: four dots each) disappear.



4. Execute STORE FILE.

MENU: SERVICE

PAGE: OHB_ADJ2

ITEM: STORE FILE

5. Setting after adjustment

MASTER GAIN → 0

CONC. TEST MODE → OFF

6. Set the value to the value adjusted in steps 1 and 3 and execute STORE FILE for each format.
(For the format change procedure, refer to the Operation Manual.)

Note

If the residual point noise (RPN) still remains after the RPN adjustment, perform the RPN compensation (Section 3-6).

3-4. Video System Level Adjustment

Notes

- Perform the video system level adjustment according to customer needs.
- When an adjustment in this section is completed, be sure to execute REFERENCE STORE FILE. (Refer to Section 3-4-12.)

3-4-1. H/V Ratio Adjustment

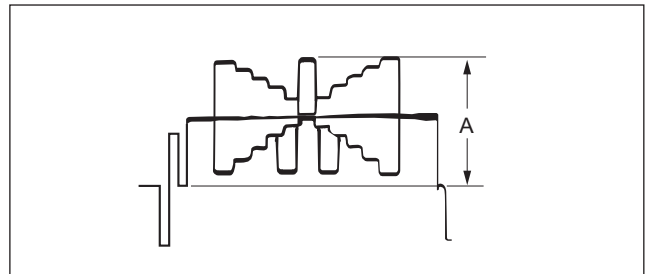
Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

Object: Grayscale chart

Preparations

- Setting for MSU-900
DETAIL OFF button → ON (dark)
KNEE OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
- Iris of the lens: $A = 600 \pm 20 \text{ mV}$ (F4 to F5.6)
(If the lens aperture is greater than F5.6, adjust the light amount with the ND filter or shutter.)



Adjustment Procedure

1. MSU menu operation:

- PAINT button → ON (lit)
- Touch panel operation
(Page 1/4) → **Detail** → **Detail 1**
- Set each item as follows.
Level → 99
Limiter → 0
Crispening → -99
Level Dep → 99

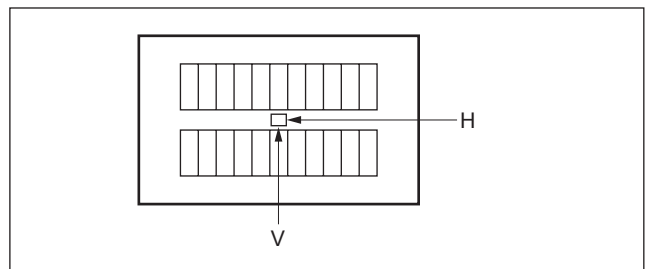
After adjustment is completed, return these setting to customer settings.

2. MSU menu operation:

- Touch panel operation
Detail 2

Adjustment item: H/V Ratio

Specification: A ratio between H and V detail amounts (white) to be added shall be equal.



3-4-2. Detail Level Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

Object: Grayscale chart

Preparations

- Setting for MSU-900
DETAIL OFF button→ ON (dark)
KNEE OFF button→ OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
- Iris of the lens: $A = 600 \pm 20 \text{ mV}$

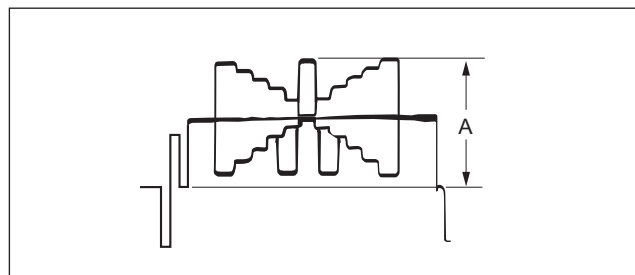
Adjustment Procedure

MSU menu operation:

- PAINT button → ON (lit)
- Touch panel operation
(Page 1/4) → Detail → Detail 1

Adjustment item: Level

Specification: 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 and SDI 2 connectors

Object: Grayscale chart

Preparations

- Setting for MSU-900
DETAIL OFF button → ON (dark)
- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
- Iris of the lens: $A = 600 \pm 20$ mV

Adjustment Procedure

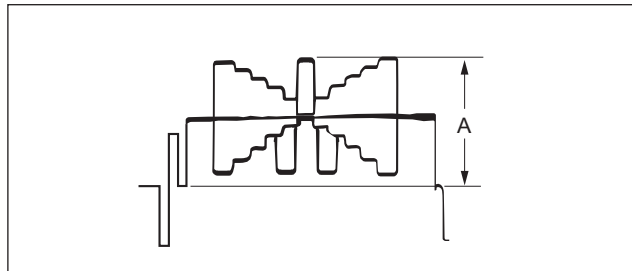
1. Perform the automatic white balance adjustment.
WHITE button/MSU-900 → ON (lit)
2. Adjust the crispening level.

MSU menu operation:

- PAINT button → ON (lit)
- Touch panel operation
(Page 1/4) → **Detail** → **Detail 1**

Adjustment item: Crispening

Specification: Set crispening to -99 once, and then increase it slowly to set it to the point where the noise in the black-level area of the waveform starts decreasing or set to a proper crispening level.



3-4-4. Level Dependent Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

Object: Grayscale chart

Preparations

- Setting for MSU-900
DETAIL OFF button → ON (dark)
LVL DEP OFF button → ON (dark)
- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
- Iris of the lens: $A = 600 \pm 20 \text{ mV}$

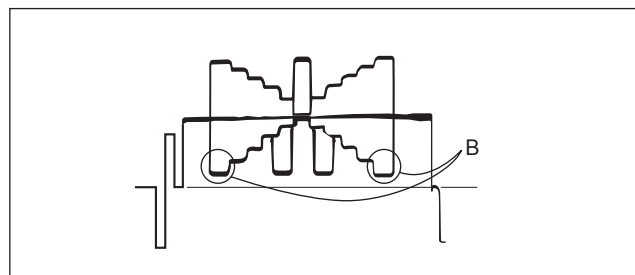
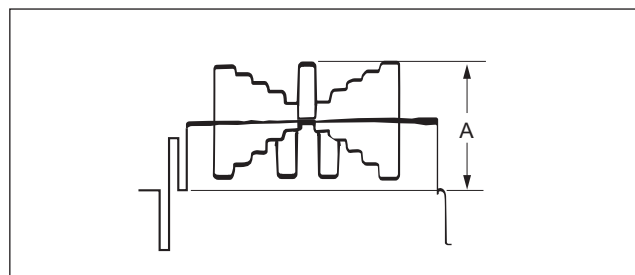
Adjustment Procedure

MSU menu operation:

- PAINT button → ON (lit)
- Touch panel operation
(Page 1/4) → **Detail** → **Detail 1**

Adjustment item: Level Dep

Specification: Set Level Dep to -99 once, and then increase it slowly to set it to the point immediately before the point where the burr at portions B starts decreasing or set to a user-desired level.



Note

After adjustment is completed, be sure to perform “Section 3-4-1 H/V Ratio Adjustment.”

3-4-5. Detail Clip Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

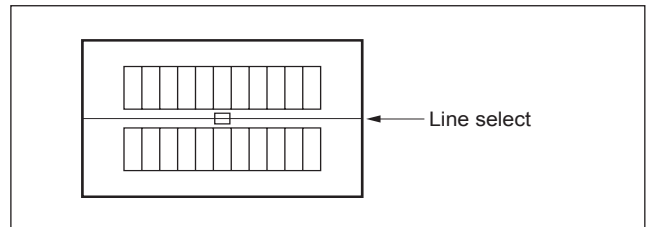
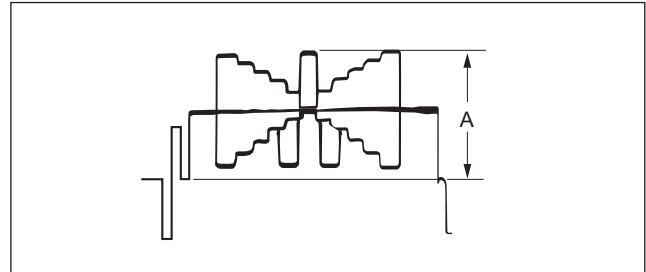
Object: Grayscale chart

Preparations

- Setting for MSU-900
KNEE OFF button→ OFF (lit)
DETAIL OFF button→ ON (dark)
- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
- Iris of the lens: $A = 600 \pm 20 \text{ mV}$

Adjustment Procedure

1. Perform the automatic white balance adjustment.
WHITE button/MSU-900 → ON (lit)
2. Make a line selection at the center white portion of the grayscale chart.



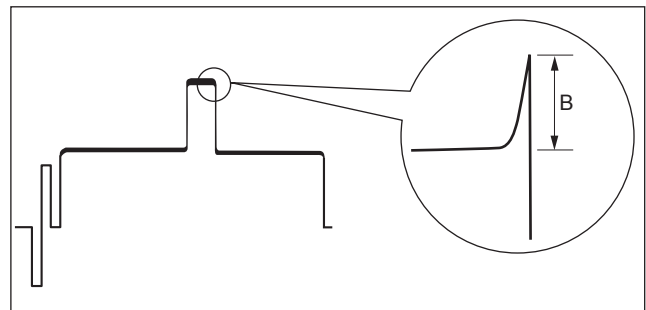
3. Adjust the white limiter.

MSU menu operation:

- PAINT button→ ON (lit)
- Touch panel operation
(Page 1/4) → **Detail** → **Detail 3**

Adjustment item: W.Limiter

Specification: Adjust the edge at portion B to the desired clip level.



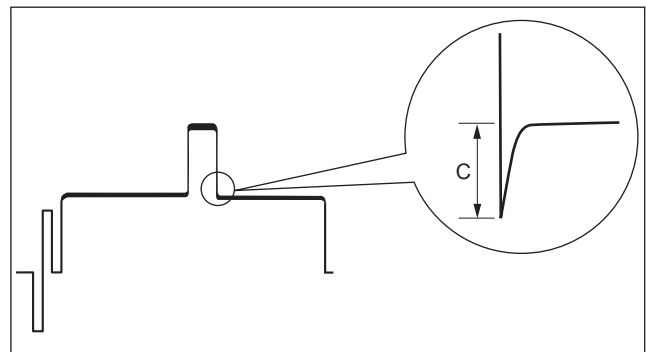
4. Adjust the black limiter.

MSU menu operation:

- PAINT button→ ON (lit)
- Touch panel operation
(Page 1/4) → **Detail** → **Detail 3**

Adjustment item: B.Limiter

Specification: 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 and SDI 2 connectors

Object: Grayscale chart

Preparations

- Setting for MSU-900
AUTO button (Iris control block) → ON (lit)
KNEE OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.

Adjustment Procedure

1. Perform the automatic white balance adjustment.
WHITE button/MSU-900 → ON (lit)

2. Adjust the APL ratio.

MSU menu operation:

- MAINTENANCE button → ON (lit)
- Touch panel operation

Lens Adjusting → Auto Iris

Adjustment item: APL Ratio

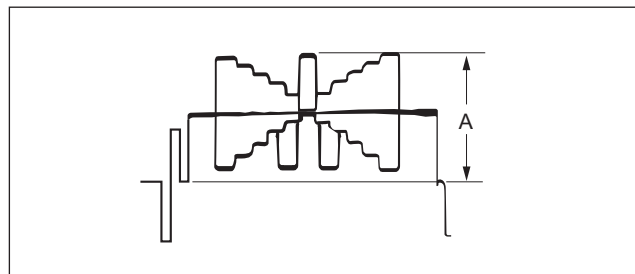
Specification: Set the auto-iris operation mode as required. (It can be set between the average and the peak value of video signal.)
99 → average
-99 → peak value

3. Adjust the auto-iris level.

MSU menu operation:

Adjustment item: Level

Specification: $A = 700 \pm 7 \text{ mV}$



3-4-7. Pedestal Level Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

Preparation

- Setting for MSU-900
CLOSE button → ON (lit)

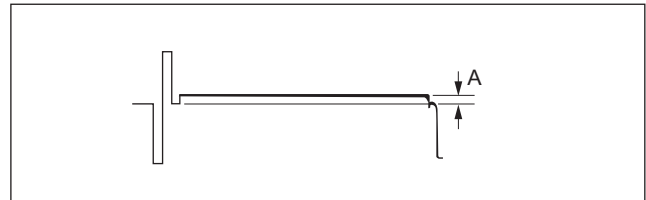
Adjustment Procedure

1. **MSU menu operation:**

- PAINT button → ON (lit)
- Touch panel operation
(Page 1/4) → **Black**

Adjustment item: R, G, B, Master

Specification: 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 mV)



3-4-8. Flare Adjustment

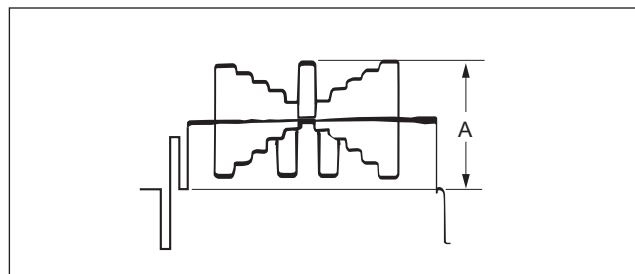
Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

Object: Grayscale chart

Preparations

- Setting for MSU-900
KNEE OFF button → OFF (lit)
DETAIL OFF button → OFF (lit)
MATRIX OFF button → OFF (lit)
- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
- Iris of the lens: $A = 600 \pm 20$ mV



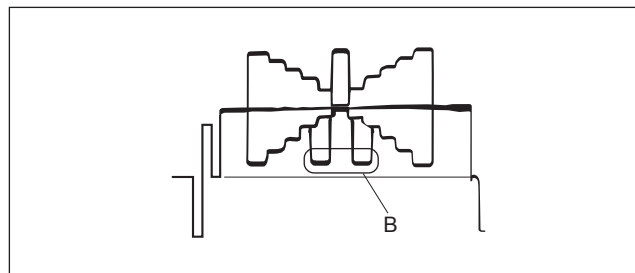
Adjustment Procedure

1. MSU menu operation:

- PAINT button → ON (lit)
- Touch panel operation
(Page 1/4) → **Flare**

Adjustment item: R, G, B

Specification: Set level B shown in the figure to a desired level sequentially for R, G, and B.
Or adjust the levels of other channels to the lowest level B of a channel.



3-4-9. Gamma Correction Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

Object: Grayscale chart

Preparations

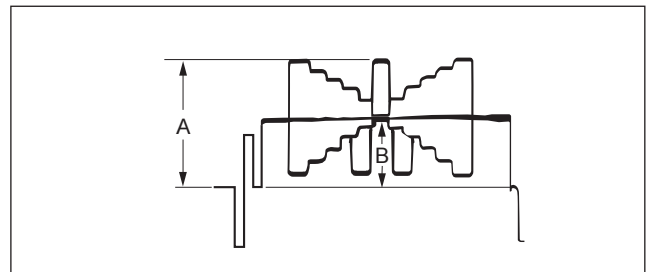
- Setting for MSU-900
KNEE OFF button → OFF (lit)
GAMMA OFF button → ON (dark)
- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
- Iris of the lens: $A = 700 \pm 20 \text{ mV}$

Adjustment Procedure

1. Perform the automatic white balance adjustment.
WHITE button/ MSU-900 → ON (lit)
2. **MSU menu operation:**
 - PAINT button → ON (lit)
 - Touch panel operation
(Page 2/4) → Gamma

Adjustment item: R, G, B, Master

Specification: Adjust the cross points B of the grayscale to desired level for R, G and B respectively.
To adjust all cross points 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 and SDI 2 connectors

Preparation

- Setting for MSU-900
MASTER GAIN → +6 dB
TEST1 button → ON (lit)
KNEE OFF button → ON (dark)

Adjustment Procedure

1. **MSU menu operation:**

- PAINT button → ON (lit)
- Touch panel operation
(Page 2/4) → **Knee Slope**

Setting: Master to +99

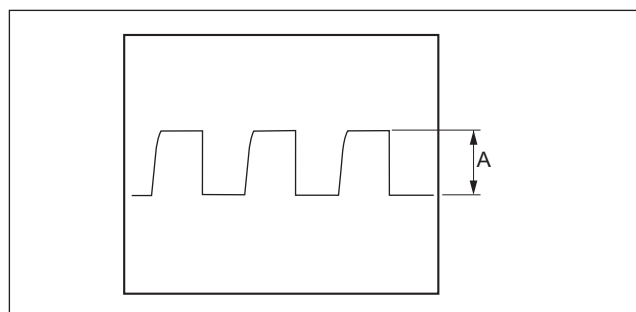
2. **MSU menu operation:**

- Touch panel operation
(Page 2/4) → **Knee Point**

Adjustment item: R, G, B, Master

Specification: Set level A shown in the figure to a desired level sequentially for R, G, and B. To set level A for R, G, and B at the same time, use the Master.

Reference value: A = 686 mV
(98% of factory setting)



3. **MSU menu operation:**

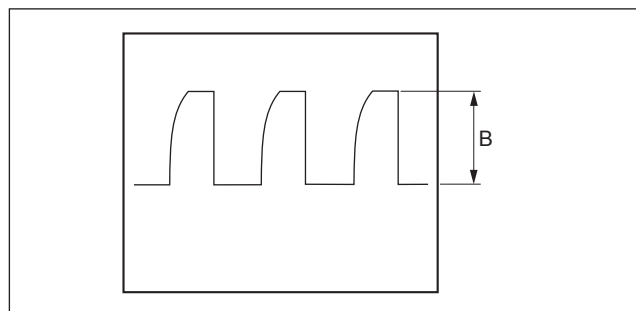
- Touch panel operation
(Page 2/4) → **Knee Slope**

Adjustment item: R, G, B, Master

Specification: Set level B shown in the figure to a desired level sequentially for R, G, and B.

To adjust all levels for R, G and B simultaneously, adjust them using Master.

Reference value: B = 735 mV
(factory setting)



Setting after Adjustment

- MASTER GAIN/MSU-900 → 0 dB
- KNEE OFF button/MSU-900 → OFF (lit)

3-4-11. White Clip Level Adjustment

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

Preparation

- Setting for MSU-900
MASTER GAIN → +12 dB
TEST1 button → ON (lit)

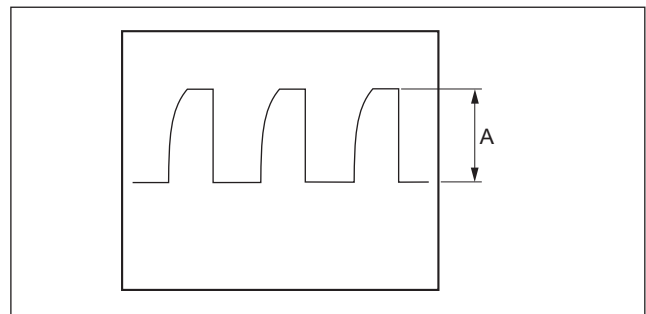
Adjustment Procedure

1. **MSU menu operation:**

- PAINT button → ON (lit)
- Touch panel operation
(Page 2/4) → **White Clip**

Adjustment item: R, G, B, Master

Specification: Set level A shown in the figure to a desired level sequentially for R, G, and B.
To adjust all levels for R, G and B simultaneously, adjust them using Master.
(Reference value: A = 756 mV)



Setting after Adjustment

- MASTER GAIN/MSU-900 → 0 dB
- TEST1 button/MSU-900 → OFF (dark)

3-4-12. File Store

After adjustments described in Section 3-4 are completed, be sure to execute the reference file store.

1. **MSU menu operation:**

- FILE button → ON (lit)
- Touch panel operation
Reference → **Ref Store** → **Start**

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

3-5. ND Offset Adjustment

When the TG-265PT board is replaced, correct the white balance using the following procedure.

Equipment: Waveform monitor (R, G, B)

Test Point: SDI 1 and SDI 2 connectors

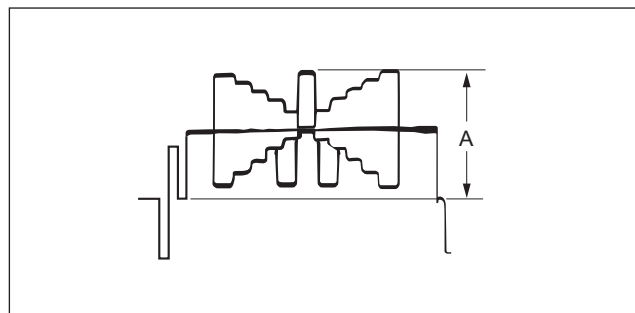
Object: Grayscale chart

Preparations

- Shoot the grayscale chart so that the chart frame is aligned with the underscanned monitor frame.
- Setting for MSU-900
AUTO button (Iris control block) → ON (lit)
- Iris of the lens: $A = 600 \pm 20$ mV

Adjustment Procedure

1. FILTER CTRL button/MSU-900 → ON (lit)
2. Select ND filter 1.
ND1 button/MSU-900 → ON (lit)
3. Perform the automatic white balance adjustment.
WHITE button/MSU-900 → ON (lit)
4. After the white balance adjustment is completed, switch the filter to ND filters 2 to 4, 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/MSU-900
 - ND filter 2: 6 dB
 - ND filter 3: 12 dB
 - ND filter 4: 12 dB



OHB File Store

1. **MSU menu operation:**
 - FILE button → ON (lit)
 - Touch panel operation
OHB File → OHB Store → Store
2. When the store operation is completed, a message "OHB File Stored" appears.

Setting after Adjustment

- MASTER GAIN/MSU-900 → 0 dB

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 display the SERVICE menu, refer to Section 5-1.

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	

Preparation

- Perform the automatic black balance adjustment.

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

Reference

One click of the menu control knob is equivalent to one pixel shift.

On the other hand, the cursor moves by two clicks of the menu control knob because the cursor has a size of two pixels.

3. Press the menu control knob 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 menu control knob.
5. Press the menu control knob. 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 Section 3-6-5.

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

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

Reference

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 menu control knob and then press the menu control knob.

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 menu control knob and then press the menu control knob.

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

Note

When RPNs are adjacent in the vertical direction, record data at a position where one RPN can be compensated.

Then shift the RPN by 1 vertically with 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 other RPN.

When RPNs are adjacent in the horizontal direction, move the cursor to the position where the left RPN can be compensated. Then set RPN WIDTH to [2], record the data, and check whether these RPNs can be successfully compensated. If they were not successfully compensated, delete the data. After that, increase RPN WIDTH to [3] to [4] and choose a value that allows the best compensation. For RPNs that extend in the horizontal direction, increase RPN WIDTH from [1] to [4] and choose a value that allows the best compensation.

3-6-4. Performing Efficient Auto-Detection of RPNs

1. Open the RPN MANAGE[S05] page of the SERVICE menu.
2. Perform only RPN auto-compensation.

Auto-detection for all three channels is made at the same time.

ITEM: AUTO CONCEAL → EXEC

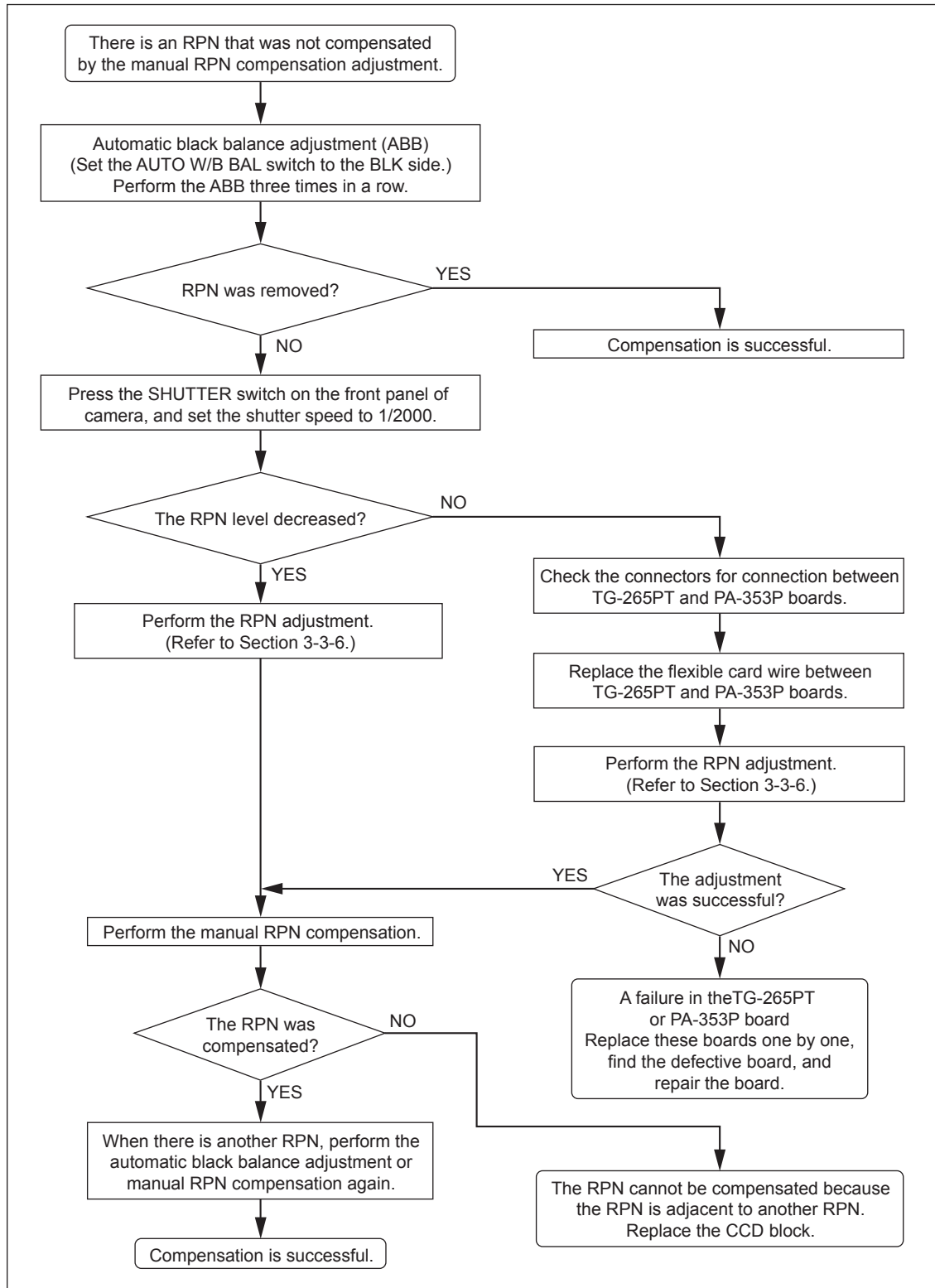
Notes

- Be sure to set IRIS to the close position.
- Be sure to set the BARS switch to OFF.
- Be sure to set the SHUTTER switch to OFF.
- If AUTO CONCEAL is executed with incorrect switch setting, delete all recorded data. Be careful because the RPN compensation data is completely deleted by this operation.

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.



3-7. Vertical Line Compensation

Notes

- Compensate the vertical line fixed-pattern noise of the CCD using the following procedure.
- Such vertical lines cannot be well compensated even with adjustment in some cases. In that case, replace the CCD block.

Use the SERVICE menu for vertical line compensation.

For how to display the SERVICE menu, refer to Section 5-1.

Open the V.LINE [S04] page of the SERVICE menu.

<V. LINE>		S04 TOP
RPN CH SELECT	:	R
RPN CURSOR	:	OFF
CURSOR H POS	:	1008
CURSOR V POS	:	576
CURSOR JUMP	:	CURR
V. LINE LEVEL	:	127
RECORD V. LINE	:	EXEC
DELETE V. LINE	:	EXEC

Preparation

- Perform the automatic black balance adjustment.

Adjustment Procedure

Note

An area of 11 lines right and left from the compensated vertical line cannot be compensated. If you attempt to compensate a vertical line in the area, a message “ADJACENT PIXEL” appears on the screen.

1. Select a channel (R, G, or B) you want to compensate.
ITEM: RPN CH SELECT → R, G, B
2. Adjust the vertical cursor position to move the horizontal axis of the cross cursor to the vertical line position where you want to start compensation.
ITEM: RPN CURSOR → ON
ITEM: CURSOR V POS
3. Then adjust the horizontal cursor position to align the vertical axis of the cross cursor with the vertical line.
ITEM: CURSOR H POS

Reference

One click of the menu control knob is equivalent to one pixel shift.

On the other hand, the cursor moves by two clicks of the menu control knob because the cursor has a size of two pixels.

4. Place the cursor at “RECORD V.LINE” and press the menu control knob to display “RECORD DATA OK? YES → NO.”
ITEM: RECORD V.LINE → EXEC
5. Choose “YES” and press the menu control knob. A message “LEVEL SETTING” appears. Place the cursor at “V.LINE LEVEL” and make fine adjustment while paying attention to avoid overcompensation (black lines) and insufficient compensation (white lines).
ITEM: V.LINE LEVEL → 127 to 0
6. Confirm that the vertical line has already disappeared, and then place the cursor at “RECORD V.LINE” again. Then choose “YES” with the menu control knob.
7. Press the menu control knob. A message “COMPLETE!” appears and the compensation data is stored.
Note
If the data is stored at an incorrect compensation address, delete the V.LINE data.
ITEM: DELETE V.LINE → EXEC
8. To compensate other vertical lines, repeat steps 1 to 7.

Setting after Adjustment

ITEM: RPN CURSOR → OFF

3-8. VBS Output Level Adjustment

When fine adjustment is required for the VBS outputs, perform the following procedure.

Equipment: Waveform monitor or oscilloscope

Test Point: VBS connector

Preparation

Make the following settings on the COLOR BARS page.

MENU: MAINTENANCE

PAGE: COLOR BARS

ITEM: BARS: ON

SD BARS: SMPTE

Adjustment Procedure

1. Open the following menu.
MENU: SERVICE
PAGE: VDA-ADJ
ITEM: VBS-GAIN
2. Adjust VBS-GAIN with the waveform monitor so that 100% White of the color-bar becomes the following level.
NTSC: 714 mV (100 IRE)
PAL: 700 mV

3-9. TEST SAW Level Adjustment

When the CCD block assembly (RP) has been replaced, the TEST SAW level (700 mV) may deviate by ± 30 mV. Adjust the level using the following procedure.

Equipment

HDTV serial digital waveform monitor: Leader Electronics LV5150DA

Leader Electronics LV5152DA (multi format)
or equivalent

Preparation

- MSU-900 settings
GAMMA OFF button → ON (dark)
MASTER GAIN → 0 dB
DETAIL OFF button → ON (dark)
KNEE OFF button → OFF (lit)
MASTER BLACK → 0
MATRIX OFF button → OFF (lit)
- Menu settings
 1. MENU: FILE
PAGE: FILE CLEAR
ITEM: REFERENCE (ALL) 10 SEC CLEAR → ON
 2. MENU: PAINT
PAGE: VIDEO LEVE
ITEM: WHITE [R], [G], [B]

Set the cursor at WHITE [R] and press the menu control knob for at least 10 seconds.
[REF CLEARED] appears after [PRESET DATA] is displayed.
 3. Make settings for WHITE [G] and WHITE [B] in the same way.
 4. Set ITEM in step 1 (REFERENCE (ALL) 10 SEC CLEAR) to OFF.

<FILE CLEAR> F06 TOP

PRESET OPERATOR
REFERENCE (ALL)
10 SEC CLEAR:→ ON
OHB WHITE SHADE (ALL)
OHB BLACK SHADE
OHB ND OFFSET
OHB MATRIX
M.S. FORMAT

<VIDEO LEVEL> P02 TOP

	PRESET	DATA		
	[R]	[G]	[B]	[M]
WHITE : ?	0	0	0	
BLACK :	0	0	0	0
FLARE :	0	0	0	
GAMMA :	0	0	0	0
V MOD :	0	0	0	0

FLARE : ON
V MOD : ON D. SHAD: --
TEST : OFF

<VIDEO LEVEL> P02 TOP

	REF	CLEARED		
	[R]	[G]	[B]	[M]
WHITE : ?	0	0	0	
BLACK :	0	0	0	0
FLARE :	0	0	0	
GAMMA :	0	0	0	0
V MOD :	0	0	0	0

FLARE : ON
V MOD : ON D. SHAD: --
TEST : OFF

Adjustment Procedure

1. Set the format to "1080/59.94i".
(For the format change procedure, refer to the Operation Manual.)
2. Set the TEST1 button of MSU-900 to ON (lighting) to display the TEST SAW waveform and check that the amplitude is 700 mV on the waveform monitor.
3. If the amplitude is not 700 mV, adjust the amplitude by the following menu.

MENU: SERVICE

PAGE: WHITE SHADING

ITEM: WHITE [R], [G], [B]

<WHITE SHADING>				S11	TOP
		[R]	[G]	[B]	
V SAW	:	00	00	00	
V PARA	:	00	00	00	
H SAW	:	00	00	00	
H PARA	:	00	00	00	
WHITE	:	-3→	-24	-14	
STORE FILE:				EXEC	
COLOR_TEMP_SEL:				3200K	

4. Execute STORE FILE.
MENU: SERVICE
PAGE: WHITE SHADING
ITEM: STORE FILE
5. Set the TEST1 button of MSU-900 to OFF (light off).
6. Set the format to "720/59.94P".
7. Make setting to the value adjusted in step 3 and execute STORE FILE.

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 → MS) on the OPERATOR FILE page of the OPERATION menu.

OPERATION → OPERATOR FILE → WRITE (CAM → MS)

As for the details on the setup menu, refer to Section 5.

4-1. File Structure

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

1. Operator File

Stores the items displayed on the viewfinder and switch settings for camera operator. This file can be stored in a Memory Stick PRO Duo, yet video data (paint data) cannot be stored.

2. 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. Scene File

Stores the temporary video setting data according to the scene. This file can be stored in the camera and a Memory Stick PRO Duo.

4. Reference File

Stores the custom paint data adjusted by the video engineer. This file can be stored in the camera and a Memory Stick PRO Duo.

5. 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

Used for adjustment of the CCD block maintenance. This file can be stored in the camera.

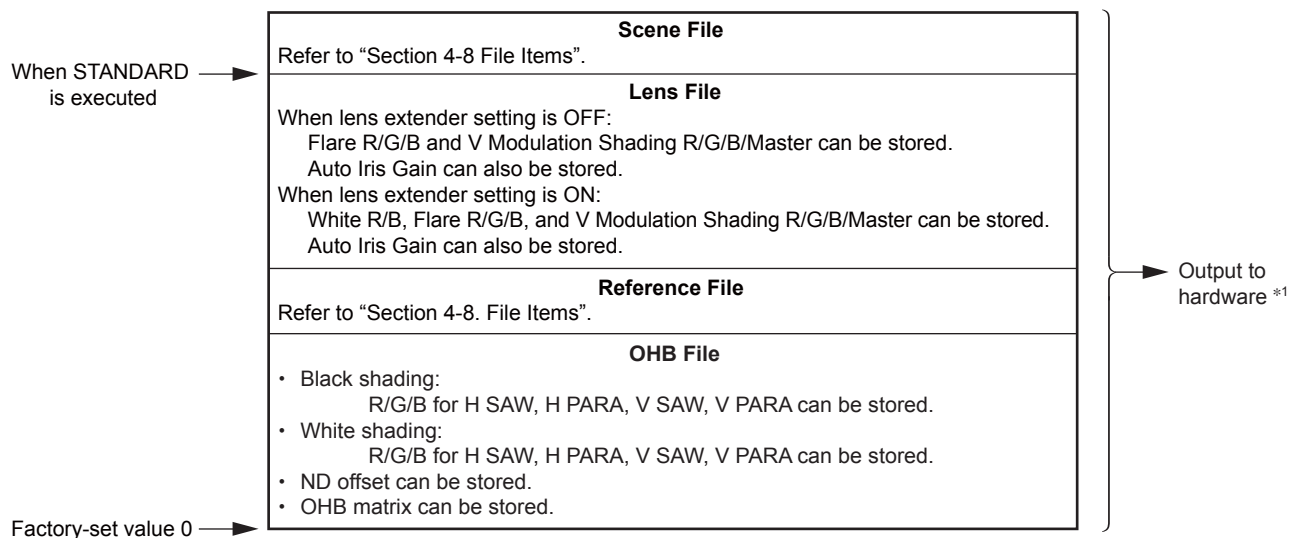


Fig. 4-1. Structure of Paint Related Files

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

4-2. Operator File

Operator file stores data in the Memory Stick PRO Duo.
Data is stored and read using the setup menu.

Notes

- Operator file data stored in the Memory Stick PRO Duo 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.
- Before storing data in the Memory Stick PRO Duo, make sure that the LOCK switch on the Memory Stick PRO Duo is set to OFF.

Storing (Refer to step 1 of Fig. 4-2.)

Using OPERATION Menu of This Unit

Stores the current status in the Memory Stick PRO Duo.

OPERATION → OPERATOR FILE → WRITE (CAM → MS)

Reading (Refer to step 2 of Fig. 4-2.)

Using OPERATION Menu of This Unit

OPERATION → OPERATOR FILE → READ (MS → CAM)

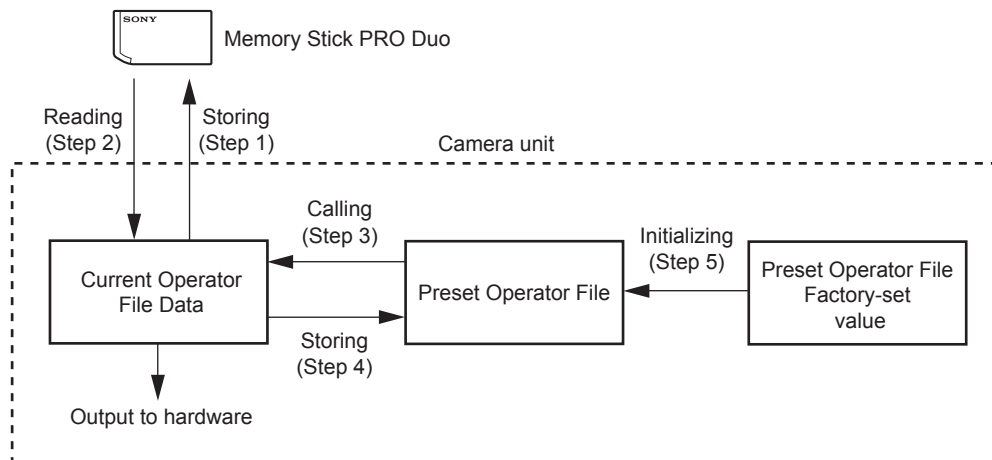


Fig. 4-2. Operator File Operating Procedure

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.

Calling (Refer to step 3 of Fig. 4-2.)

Using OPERATION Menu of This Unit

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

Storing (Refer to step 4 of Fig. 4-2.)

Using FILE Menu of This Unit

Use this menu when you want to store the current settings in the preset operator file as the standard settings of operator file.

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

Initializing (Refer to step 5 of Fig. 4-2.)

Using FILE Menu of This Unit

Use this menu when you want to initialize the modified preset operator file data to the factory-set values.

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

4-4. Scene File

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.

Scene files can be stored in the camera and Memory Stick PRO Duo. Scene files can also be stored in the Memory Stick PRO Duo 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 Memory Stick PRO Duo.

Note

Before storing data in the Memory Stick PRO Duo, make sure that the LOCK switch on the Memory Stick PRO Duo is set to OFF.

Storing (Refer to step 1 of Fig.4-3.)

Using PAINT Menu of This Unit

1. Change the scene file item to the desired value.
2. Select the scene file number to be stored.

PAINT → **SCENE FILE** → **STORE**

With MSU

1. Change the scene file item to the desired value.
2. Press “STORE” of the scene file, and press the STORE number.

Calling and Clearing the Call (Refer to step 2 of Fig.4-3.)

Using PAINT Menu of This Unit

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

When one of the SCENE FILE buttons you want to call is pressed and lit while the STORE button is not lit, the file of the selected number is called. Pressing the button again cancels the call and the button lamp goes out.

Storing the Scene File to the Memory Stick PRO Duo (Refer to step 1 of Fig. 4-3.)

Using PAINT Menu of This Unit

Stores the scene file stored in the camera in the Memory Stick PRO Duo.

PAINT → SCENE FILE → WRITE (CAM → MS)

Reading the Scene File from the Memory Stick PRO Duo (Refer to step 3 of Fig. 4-3.)

Using PAINT Menu of This Unit

Reads the scene file stored in the Memory Stick PRO Duo to the camera.

PAINT → SCENE FILE → READ (MS → CAM)

Note

Scene file data stored in the Memory Stick PRO Duo cannot be read when the power is just turned on.

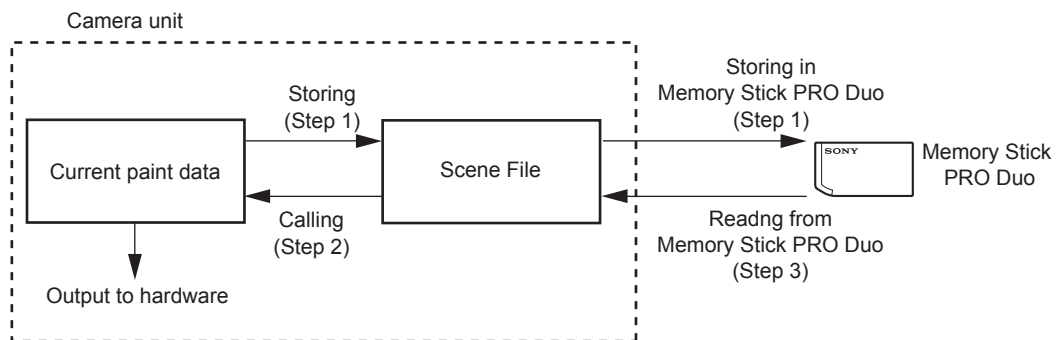


Fig. 4-3. Scene File Operating Procedure

4-5. Reference File

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.

Reference files can be stored in the camera and Memory Stick PRO Duo. Reference files can also be stored in the Memory Stick PRO Duo 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 Memory Stick PRO Duo.

Note

Before storing data in the Memory Stick PRO Duo, make sure that the LOCK switch on the Memory Stick PRO Duo is set to OFF.

Storing (Refer to step 1 of Fig.4-4.)

Using FILE Menu of This Unit

FILE → **REFERENCE** → **STORE FILE**

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

With MSU

Press the FILE button. Then select **Reference** → **Ref Store**. The data is stored in the camera and the numerical data is displayed as 0. (Excluding some items. Refer to “Section 4-8 File Items”.)

Calling (Refer to step 2 of Fig. 4-4, Fig. 4-1.)

Using PAINT Menu of This Unit

PAINT → **SCENE FILE** → **STANDARD**

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

With MSU

Press the STANDARD button to restore the reference file items when they were stored.

Reading the Reference File from the Memory Stick PRO Duo (Refer to step 3 of Fig. 4-4.)

Using FILE/MAINTENANCE Menu of This Unit

1. Reference file data stored in the camera can be changed by reading the reference file data stored in the Memory Stick PRO Duo.

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

2. The reference file data in the Memory Stick PRO Duo cannot be applied to the camera only by reading the data. To apply the data, execute the automatic level adjustment.

[MAINTENANCE] → [AUTO SETUP] → [AUTO LEVEL]

Note

Reference file data stored in the Memory Stick PRO Duo cannot be read when the power is just turned on.

Storing the Reference File in the Memory Stick PRO Duo (Refer to step 1 of Fig. 4-4.)

Using FILE Menu of This Unit

Stores the reference file stored in the camera in the Memory Stick PRO Duo.

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

Initializing All File Items (Refer to step 4 of Fig. 4-4.)

Using FILE Menu of This Unit

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

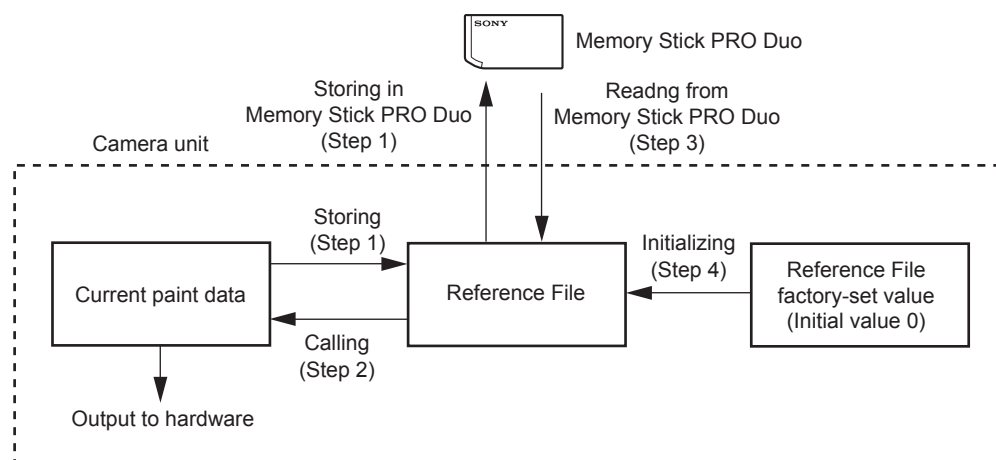


Fig. 4-4. Reference File Operating Procedure

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 16 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.

Adjusting the Lens and Setting the Lens File

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 560 mV (80%) 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 17.
2. Also check the lens name and minimum f-stop value that are set automatically.
3. Turn on the dynamic shading.

Adjust the white shading or V modulation only when the deviation occurs. In this case, the data is not stored in the lens file.

• Automatic white shading adjustment

Shoot the white pattern so that the video level is around 560 mV (80%).

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 560 mV (80%) 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 is not stored by lens file store, but is stored immediately after the adjustment is completed.

Note that the center marker is stored in the lens file when it is changed even in the normal use.

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

Select the lens file that is set by selecting **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.

Note

Store the OHB file after all items have been adjusted. When adjusting and storing only specific items, be sure to execute STANDARD of step 1 below before starting adjustment.

Adjusting and Storing

Using FILE/MAINTENANCE Menu of This Unit

1. **FILE** → **REFERENCE** → **STANDARD**
2. Perform the automatic black shading adjustment.
MAINTENANCE → **BLACK SHADING** → **AUTO BLACK SHADING**
Or adjust the R/G/B/ black shading V SAW, V PARA, H SAW, and H PARA.
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 560 mV (80%).
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**

5. Perform the ND offset adjustment.

Notes

- Perform adjustments for all ND filters (1 to 4).
- If the desired video level cannot be obtained with the lens iris in the ND offset adjustment, set the shutter mode to ECS and make the ND offset adjustment. If the ND offset is adjusted by increasing the gain, an error in the white balance may occur.

- (1) Select 4 with the ND filter knob, and shoot the white pattern so that the video level is 350 mV (50%) or more.
 - (2) Select 1 with the ND filter knob, and adjust the lens iris so that the video level is 560 to 350 mV (80 to 50%), and then perform the automatic white balance adjustment.
MAINTENANCE → **AUTO SETUP** → **AUTO WHITE**
 - (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. Perform the OHB matrix adjustment.

MAINTENANCE → **OHB MATRIX** → **OHB MATRIX : ON**

Note

Perform this adjustment only when it is necessary to adjust a slight difference in color reproduction.

7. Store the OHB file.

FILE → **OHB FILE** → **STORE FILE**

With MSU

1. Turn ON the STANDARD button (lit).
2. Perform the automatic black shading adjustment.

Turn ON the FILE button (lit).

[Touch panel selection]

[OHB File] → [Auto B. Shading]

Or adjust the R/G/B/ black shading V SAW, V PARA, H SAW, and H PARA.

[OHB File] → [Adjusting] → [Black Shading] → [R/G/B] → [V SAW], [V PARA], [H SAW], [H PARA]

3. Perform the automatic black balance adjustment.

Turn ON the BLACK button (lit) or [OHB File] → [Auto Black]

4. Perform the automatic white shading adjustment.

Shoot the white pattern so that the video level is around 560 mV (80%).

[OHB File] → [Auto W. Shading]

Or adjust the R/G/B/ white shading V SAW, V PARA, H SAW, and H PARA.

[OHB File] → [Adjusting] → [White. shading] → [R/G/B] → [V SAW], [V PARA], [H SAW], [H PARA]

5. Perform the ND offset adjustment.

Notes

- Perform adjustments for all ND filters (1 to 4).
- If the desired video level cannot be obtained with the lens iris in the ND offset adjustment, set the shutter mode to ECS and make the ND offset adjustment. If the ND offset is adjusted by increasing the gain, an error in the white balance may occur.

(1) Select 4 with the ND filter knob, and shoot the white pattern so that the video level is 350 mV (50%) or more.

(2) Select 1 with the ND filter knob, and adjust the lens iris so that the video level is 560 to 350 mV (80 to 50%), and then perform the automatic white balance adjustment.

Turn ON the WHITE button (lit) or [OHB File] → [Auto White]

(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. Perform the OHB matrix adjustment.

[OHB File] → [Adjusting] → [Matrix]

Change the adjustment display by pressing the button 1, 2 of sub menu, and adjust the value of the OHB matrix.

Note

Perform this adjustment only when it is necessary to adjust a slight difference in color reproduction.

7. 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 shows a list of setting data and storage files categorized by function.

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.

Others: Shows items in which fixed or offset settings are stored.

Function	Switch item	Analog item	Scene file	Reference file	Lens file	Operator file	OHB file	Note
Gain	Master Gain Select	Master Gain Select	○	○	×	×	×	−3dB to +12dB
Iris		Iris	×	×	×	×	×	
	Auto Iris On		○	○	×	×	×	
		Level	○	○	×	×	×	
		APL Ratio	○	○	×	×	×	
		Iris Gain	○	○	○	×	×	
		Override	×	×	×	×	×	
	Detect Pattern		○	○	○	×	×	
	Close		×	OFF	×	×	×	
Shutter	Shutter On		○	OFF	×	×	×	
	Shutter Select		○	×	×	×	×	
ECS	ECS On		○	OFF	×	×	×	
		ECS Frequency	○	×	×	×	×	
Black		Master Black	○	○	×	×	×	
		Black R	○	×	×	×	×	
		Black G	○	×	×	×	×	
		Black B	○	×	×	×	×	
	Auto Black Balance		×	×	×	×	×	
White		White R	○	○	Extender offset	×	×	
		White G	○	○	×	×	×	
		White B	○	○	Extender offset	×	×	
		Color Temp	○	○	Extender offset	×	×	
		Balance	○	○	Extender offset	×	×	
		Master White Gain	×	×	×	×	×	
	Auto White Balance		×	×	×	×	×	
Flare	Flare Off		○	ON	×	×	×	
		Flare R	○	○	○	×	×	
		Flare G	○	○	○	×	×	
		Flare B	○	○	○	×	×	

(Continued)

Function	Switch item	Analog item	Scene file	Reference file	Lens file	Operator file	OHB file	Note
Gamma	Gamma Off		○	ON	×	×	×	
	Gamma Category Select		○	○	×	×	×	
	STANDARD Gamma Table Select		○	○	×	×	×	
	HYPER Gamma Table Select		○	○	×	×	×	
	Step Gamma (0.90 - 0.35)		○	○	×	×	×	
		R Gamma	○	○	×	×	×	
		G Gamma	○	○	×	×	×	
		B Gamma	○	○	×	×	×	
Black Gamma		M Gamma	○	○	×	×	×	
	Black Gamma On		○	○	×	×	×	
		M Black Gamma	○	○	×	×	×	
	Black Gamma (RGB) Range		○	○	×	×	×	
Knee	Knee Off		○	○	×	×	×	
		R Knee point	○	○	×	×	×	
		G Knee point	○	○	×	×	×	
		B Knee point	○	○	×	×	×	
		M Knee point	○	○	×	×	×	
		R Knee Slope	○	○	×	×	×	
		G Knee Slope	○	○	×	×	×	
		B Knee Slope	○	○	×	×	×	
		M Knee Slope	○	○	×	×	×	
	Knee Max On		×	OFF	×	×	×	
	Knee Saturation On		○	○	×	×	×	
		Knee Saturation	○	○	×	×	×	
	Auto Knee On		○	○	×	×	×	
		Point Limit	○	○	×	×	×	
		Auto Slope	○	○	×	×	×	
V Mod Saw	V Mod Saw Off		×	ON	×	×	×	
		Mod Mod Saw R	×	×	○	×	×	
		Mod Mod Saw G	×	×	○	×	×	
		Mod Mod Saw B	×	×	○	×	×	
		Mod Mod Saw M	×	×	○	×	×	
	Dynamic Shading Compensation ON		×	×	×	×	×	

(Continued)

Function	Switch item	Analog item	Scene file	Reference file	Lens file	Operator file	OHB file	Note
Detail	Detail Off		○	ON	×	×	×	
		Detail Level	○	○	×	×	×	
		Detail Limiter	○	○	×	×	×	
		Detail White Limiter	○	○	×	×	×	
		Detail Black Limiter	○	○	×	×	×	
		Detail Crispening	○	○	×	×	×	
		Detail Frequency	○	○	×	×	×	
		Detail Mix Ratio	○	○	×	×	×	
	V Detail Control Mode		×	○	×	×	×	
		Detail H/V Ratio	○	○	×	×	×	
	Level Depend Off		○	○	×	×	×	
		Detail Level Depend	○	○	×	×	×	
	Knee Aparture On		○	○	×	×	×	
		Knee Aparture	○	○	×	×	×	
Skin Detail	Skin Detail On		○	○	×	×	×	
	Auto Hue		×	×	×	×	×	
	Skin Detail 1 On		ON	ON	×	×	×	
	Skin Detail 1 Gate On		×	×	×	×	×	
		Skin Detail 1 Level	○	○	×	×	×	
		Skin Detail 1 Phase	○	○	×	×	×	
		Skin Detail 1 Width	○	○	×	×	×	
		Skin Detail 1 Saturation	○	○	×	×	×	
Saturation	Saturation On		○	○	×	×	×	
		Saturation	○	○	×	×	×	
White Clip	White Clip Off		○	○	×	×	×	
		White Clip M	○	○	×	×	×	
Matrix	Matrix Off		○	○	×	×	×	
	Preset Matrix On		○	○	×	×	×	
	Preset Matrix Select		×	×	×	×	×	
	User Matrix On		○	○	×	×	×	
		R-G	○	○	×	×	×	
		G-B	○	○	×	×	×	
		B-R	○	○	×	×	×	
		R-B	○	○	×	×	×	
		G-R	○	○	×	×	×	
		B-G	○	○	×	×	×	
	Multi Matrix On		○	○	×	×	×	
		Matrix Gate	×	×	×	×	×	
		Phase Select	×	×	×	×	×	
		Multi Matrix Hue	○	○	×	×	×	
		Multi Matrix Saturation	○	○	×	×	×	
Low Key Saturation	Low Key Saturation On		○	○	×	×	×	
	Low Key Saturation Range		○	○	×	×	×	
		Low Key Saturation Level	○	○	×	×	×	

(Continued)

Function	Switch item	Analog item	Scene file	Reference file	Lens file	Operator file	OHB file	Note
Noise Suppression	Noise Suppression On		○	○	×	×	×	
		Noise Suppression Level	○	○	×	×	×	
SD H Interp	H Interpolation Coeff		×	×	×	×	×	
SD V Interp	V Interpolation Coeff		×	×	×	×	×	
SD Detail	SD Detail Off		○	○	×	×	×	
		SD Detail Level	○	○	×	×	×	
		SD Detail Limiter	○	○	×	×	×	
		SD Detail White Limiter	○	○	×	×	×	
		SD Detail Black Limiter	○	○	×	×	×	
		SD Detail Crispensing	○	○	×	×	×	
		SD Detail Frequency	○	○	×	×	×	
		SD Detail H/V Ratio	○	○	×	×	×	
		SD Detail Level Depend	○	○	×	×	×	
		SD Detail Comb	○	○	×	×	×	
SD Cross Color Reduce	Crs Col Reduce On		○	○	×	×	×	
		Coring	○	○	×	×	×	
		Level	○	○	×	×	×	
SD Aspect	Aspect Control		×	×	×	×	×	
Optical filter	ND Filter		○	×	×	×	×	
	CC Filter		○	×	×	×	×	
5600K	5600K On		○	OFF	×	×	×	
Black Shading		H Saw R	×	×	×	×	○	
		H Saw G	×	×	×	×	○	
		H Saw B	×	×	×	×	○	
		H Para R	×	×	×	×	○	
		H Para G	×	×	×	×	○	
		H Para B	×	×	×	×	○	
		V Saw R	×	×	×	×	○	
		V Saw G	×	×	×	×	○	
		V Saw B	×	×	×	×	○	
		V Para R	×	×	×	×	○	
		V Para G	×	×	×	×	○	
		V Para B	×	×	×	×	○	
	Auto Black Shading		×	×	×	×	×	

(Continued)

Function	Switch item	Analog item	Scene file	Reference file	Lens file	Operator file	OHB file	Note
White Shading		H Saw R	x	x	x	x	○	
		H Saw G	x	x	x	x	○	
		H Saw B	x	x	x	x	○	
		H Para R	x	x	x	x	○	
		H Para G	x	x	x	x	○	
		H Para B	x	x	x	x	○	
		V Saw R	x	x	x	x	○	
		V Saw G	x	x	x	x	○	
		V Saw B	x	x	x	x	○	
		V Para R	x	x	x	x	○	
		V Para G	x	x	x	x	○	
		V Para B	x	x	x	x	○	
	Auto White Shading		x	x	x	x	x	
Black Set		Black Set-R	x	x	x	x	○	
		Black Set-G	x	x	x	x	○	
		Black Set-B	x	x	x	x	○	
OHB matrix	OHB Matrix On		x	○	x	x	x	
		Phase Select	x	x	x	x	x	
		Hue	x	x	x	x	○	
		Saturation	x	x	x	x	○	
Phase		H Coarse	x	x	x	x	x	
Camera Fan Mode	Camera Fan Mode		x	x	x	x	x	
Auto Level Setup	Auto Level Setup		x	x	x	x	x	
	White Setup Mode		x	x	x	x	x	
Test	Test1 On (TEST SAW)		x	x	x	x	x	
	Test2 On		x	x	x	x	x	
	Test2 Mode (3step/10step)		x	x	x	x	x	
Multi Format	Multi Format		x	x	x	x	x	
USER MENU CUSTOMIZE	User Menu Customize		x	x	x	○	x	
VF DISPLAY	EX		x	x	x	○	x	
	ZOOM		x	x	x	○	x	
	DISP		x	x	x	○	x	
	FOCUS		x	x	x	○	x	
	ND		x	x	x	○	x	
	CC		x	x	x	○	x	
	5600K		x	x	x	○	x	
	IRIS		x	x	x	○	x	
	WHITE		x	x	x	○	x	
	GAIN		x	x	x	○	x	
	SHUTT		x	x	x	○	x	
	BATT		x	x	x	○	x	
	MESSAG		x	x	x	○	x	

(Continued)

Function	Switch item	Analog item	Scene file	Reference file	Lens file	Operator file	OHB file	Note
VF MARKER	MARKER		x	x	x	○	x	
	CENTER		x	x	x	○	x	
	SAFETY ZONE		x	x	x	○	x	
	EFFECT		x	x	x	○	x	
	ASPECT		x	x	x	○	x	
	MASK		x	x	x	○	x	
	SAFETY		x	x	x	○	x	
VF DETAIL	VF DETAIL		x	x	x	○	x	
	LEVEL		x	x	x	○	x	
	CRISP		x	x	x	○	x	
	FREQUENCY		x	x	x	○	x	
	FLICKER		x	x	x	○	x	
	AREA		x	x	x	○	x	
	ZOOM LINK		x	x	x	○	x	
	COLOR DETAIL		x	x	x	○	x	
	PEAK COLOR		x	x	x	○	x	
FOCUS ASSIST	CHROMA LEVEL		x	x	x	○	x	
	INDICATOR		x	x	x	○	x	
	MODE		x	x	x	○	x	
	LEVEL		x	x	x	○	x	
	GAIN		x	x	x	○	x	
	OFFSET		x	x	x	○	x	
	AREA MARKER		x	x	x	○	x	
	SIZE		x	x	x	○	x	
	POSITION		x	x	x	○	x	
	POSITION H		x	x	x	○	x	
ZEBRA	POSITION V		x	x	x	○	x	
	ZEBRA		x	x	x	○	x	
	ZEBRA1 LEVEL		x	x	x	○	x	
	ZEBRA1 WIDTH		x	x	x	○	x	
CURSOR	ZEBRA2 LEVEL		x	x	x	○	x	
	CURSOR		x	x	x	○	x	
	BOX/CROSS		x	x	x	○	x	
	H POSITION		x	x	x	○	x	
	V POSITION		x	x	x	○	x	
	WIDTH		x	x	x	○	x	
	HEIGHT		x	x	x	○	x	

Section 5

Setup Menu

5-1. Entering the SERVICE 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

This section describes the setup menu operation as follows.

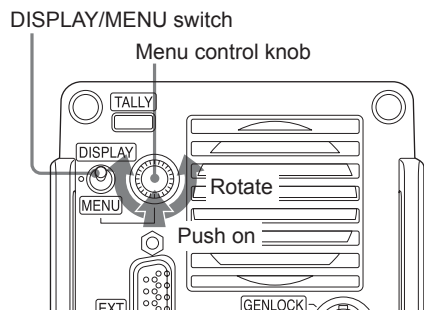
For example: When AUTO SETUP in the MAINTENANCE menu is selected from the TOP menu and
AUTO LEVEL is executed:
MENU: MAINTENANCE
PAGE: AUTO SETUP
ITEM: AUTO LEVEL

How to display the SERVICE menu

1. Turn the DISPLAY/MENU switch to the MENU side while pressing the menu control knob.
“TOP” appears at the upper right of the screen.
2. Set the cursor at TOP and press the menu control knob.
The TOP menu screen opens.
3. Set the cursor at AUTO SETUP of the MAINTENANCE menu and press the menu control knob for at least 10 seconds.
The AUTO SETUP screen opens.
4. Set the cursor at AUTO BLACK and turn off the DISPLAY/MENU switch, and then turn the switch to the MENU side again.

How to change the setting values

For items whose values can be modified by turning the menu control knob, set values can be fixed by pressing the knob.



5-2. Settable Special Functions

The following functions are made available by settings in the SERVICE menu. Note that they are limited functions.

- Setting of the number of scene files (Refer to “SETUP” in Section 5-3.)
- Setting for supporting auto-focus lens (Refer to “SETUP” in Section 5-3.)

5-3. Description on SERVICE Menu

SETUP

<SET UP>	S01 TOP
SCENE FILE TYPE :	5
AF DISPLAY :	OFF
LENS IF MODE :	AUTO

ITEM	Description	Factory setting
SCENE FILE TYPE	Setting of the number of scene files that a camera can have. 5: Five scene files can be set 32: 32 scene files can be set Note When the number of scene files is changed from 32 to 5, the data of the sixth and the following scene files are lost.	5
AF DISPLAY	When an autofocus lens (Fujinon or Canon) is used, a focal area marker and a focusing indicator can be displayed on the viewfinder. OFF: Focal area marker and focusing indicator are not displayed ON: Focal area marker and focusing indicator are displayed The focal area marker appears according to the area marker display switch on the lens. The area marker detects autofocus within the square frame. An item AF is added in VF DISPLAY from the OPERATION menu. Set AF to ON to display the focusing indicator. Focusing indicator ▲ Front focus ■ Focused ▼ Rear focus However, if AF DISPLAY is set to ON, effective area cannot be displayed.	OFF
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: An interface is set automatically. PARA: The parallel interface is selected forcibly.	AUTO

CC FILTER

<CC FILTER>		S02 TOP
A :	3200K	
B :	3200K	
C :	4300K	
D :	6300K	

ITEM	Description	Factory setting
CC FILTER	When the CC filter is replaced with a nonstandard filter, change this setting. Select 3200K when replaced with a cross filter or the like that does not require color temperature conversion. This setting is used as reference for color temperature display and the color temperature control function.	A: 3200K B: 3200K C: 4300K D: 6300K

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

The MANUAL RPN menu is used for manual RPN compensation. (Refer to Section 3-6-2.)

V LINE

<V. LINE>		S04 TOP
RPN CH SELECT	:	R
RPN CURSOR	:	OFF
CURSOR H POS.	:	1008
CURSOR V POS.	:	576
CURSOR JUMP	:	CURR
V. LINE LEVEL	:	127
RECORD V. LINE	:	EXEC
DELETE V. LINE	:	EXEC

The V LINE menu is used for vertical line compensation. (Refer to Section 3-7.)

RPN MANAGE

<RPN MANAGE>		S05 TOP
CONC. (APR) RESET	:	EXEC
RPN ALL PRESET	:	EXEC
AUTO CONCEAL	:	EXEC
APR AT ABB	:	ON

The RPN MANAGE menu is used for RPN compensation setting and management.

- Execute the RPN automatic detection efficiently. (Refer to Section 3-6-4.)

VDA-ADJ

<VDA-ADJ>		S06 TOP
VBS-GAIN	:	80
REF-SEL	:	HD-60 i

The VDA-ADJ menu is used for adjustment of the VBS output level. (Refer to Section 3-8.)

OHB-ADJ1

```
<OHB-ADJ1>          S07 TOP
FORMAT :→1080-59.94i
          [R1] [G1] [B1]
DC_ADJ_A :    80    80    80
DC_ADJ_B :    80    80    80
GAIN_CONT :    80    80    80
          [R2] [G2] [B2]
DC_ADJ_A :    80    80    80
GAIN_CONT :    80    80    80
FILTER   :    ON
STORE FILE : EXEC
```

The OHB-ADJ1 menu is used for adjustment of the CCD unit.

- Sensitivity Adjustment (Refer to Section 3-3-2.)
- RPN Adjustment (Refer to Section 3-3-6.)

OHB-ADJ2

```
<OHB-ADJ2>          S08 TOP
FORMAT :→1080-59.94i
          [R1] [G1] [B1]
SH_ADJ_A :    80    80    80
DC_ADJ_C :    80    80    80
          [R2] [G2] [B2]
SH_ADJ_A :    80    80    80
CONC. TEST MODE : OFF
STORE FILE : EXEC
```

The OHB-ADJ2 menu is used for adjustment of the CCD unit.

- RPN Adjustment (Refer to Section 3-3-6.)

OHB-ADJ3

```
<OHB-ADJ3>          S09 TOP
FORMAT :→1080-59.94i
          [R] [G] [B]
V-SUB   :    80    80    80
TEST_MODE : OFF
STORE FILE : EXEC

SHUTTER  : OFF
SHUT_SPEED : 1/500
```

The OHB-ADJ3 menu is used for adjustment of the CCD unit.

- V-SUB Adjustment (Refer to Section 3-3-3.)

BLACK SHADING

```
<BLACK SHADING> →S10 TOP
FORMAT : 1080-59.94i
          [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 : EE    00    00
OFFSET  : 00    00    00
GAIN : 12dB    TEST : ---
STORE FILE : EXEC
```

The BLACK SHADING menu is used for adjustment of the black shading.

- BLACK SET Adjustment (Refer to Section 3-3-1.)
- Black Shading Adjustment (Refer to Section 3-3-4.)

WHITE SHADING

```
<WHITE SHADING>    S11 TOP
          [R] [G] [B]
V SAW   : →00    00    00
V PARA  : 00    00    00
H SAW   : 01    00    00
H PARA  : 00    FF    00
WHITE   : 0     0     0

STORE FILE : EXEC
COLOR_TEMP_SEL : 3200K
```

The WHITE SHADING menu is used for adjustment of the white shading.

- Sensitivity Adjustment, Preparation (Refer to Section 3-3-2.)

SERIAL NO.

```
<SERIAL NO. >      S12 TOP
MODEL : HDC-P1
NO.   : 10001
```

The SERIAL NO. menu is used to set the model name and serial number.

OPTION

<OPTION>	S13 TOP
GAIN EXTEND :	OFF
ZOOM SKINDTL :	DISABLE
CHROMA FILTER :	FULL

ITEM	Description	Factory setting
GAIN EXTEND	Master gain setting OFF: +12 dB ON: Extended up to +36 dB	OFF
ZOOM SKINDTL	Setting of the function to interlock the Skin Tone Detail level with the lens zoom position DISABLE: Interlock with the lens zoom position is disabled ENABLE: Interlock with the lens zoom position is enabled	DISABLE
CHROMA FILTER	Setting for the color difference signal band FULL, SEMI WIDE, MEDIUM, SEMI NARROW, NARROW	FULL

BOOT VERUP

<BOOT VERSION>	S14 TOP
AT:	
BOOT: V1.00	
MAIN: V1.00	
IF:	
BOOT: V1.00	
MAIN: V1.00	

The BOOT VERUP menu is used to check the software upgrade.

Section 6

Spare Parts

6-1. Notes 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.

6-1. 補修部品注意事項

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。

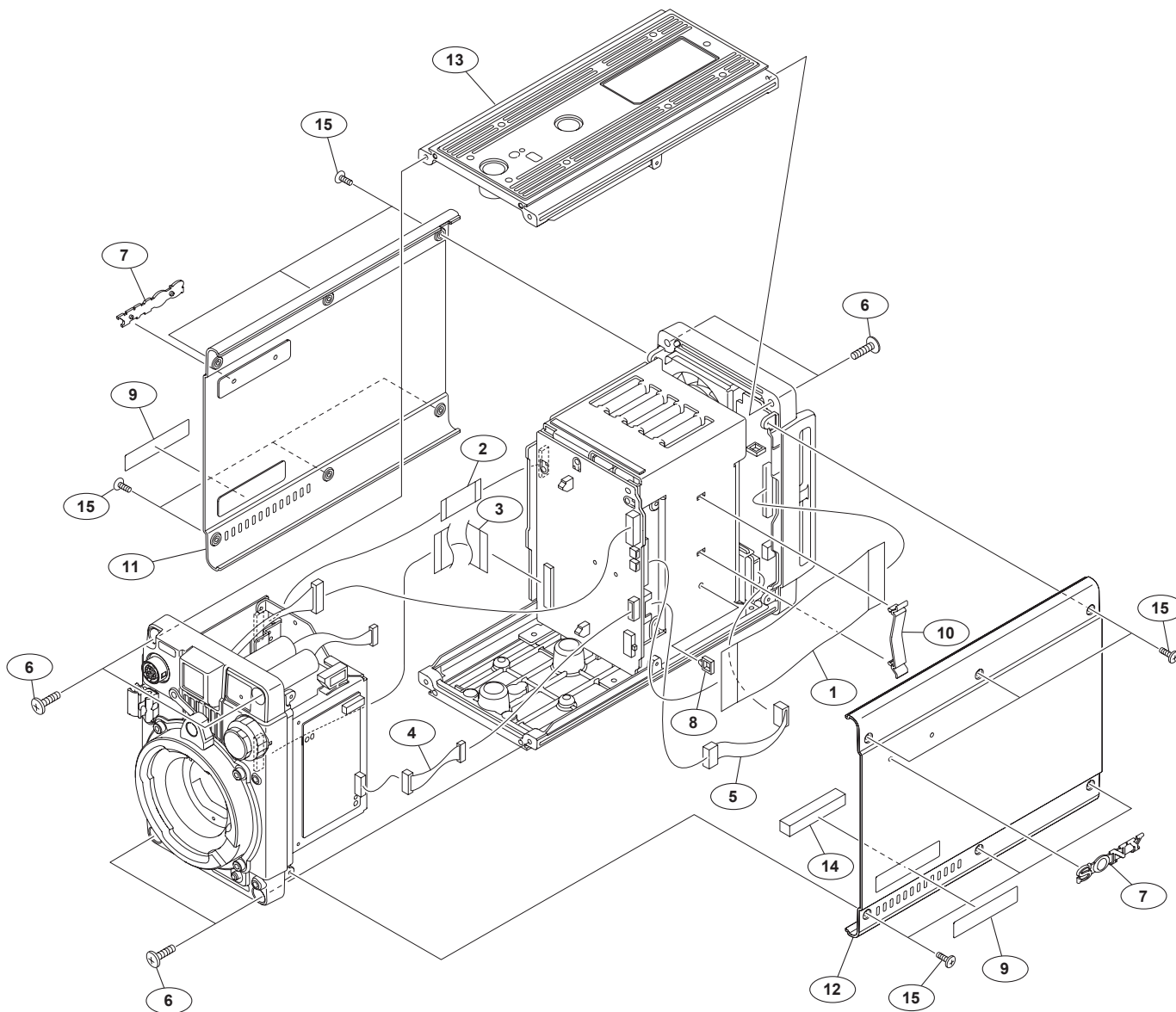
3. 部品の在庫

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、納期が長くなることがあります。

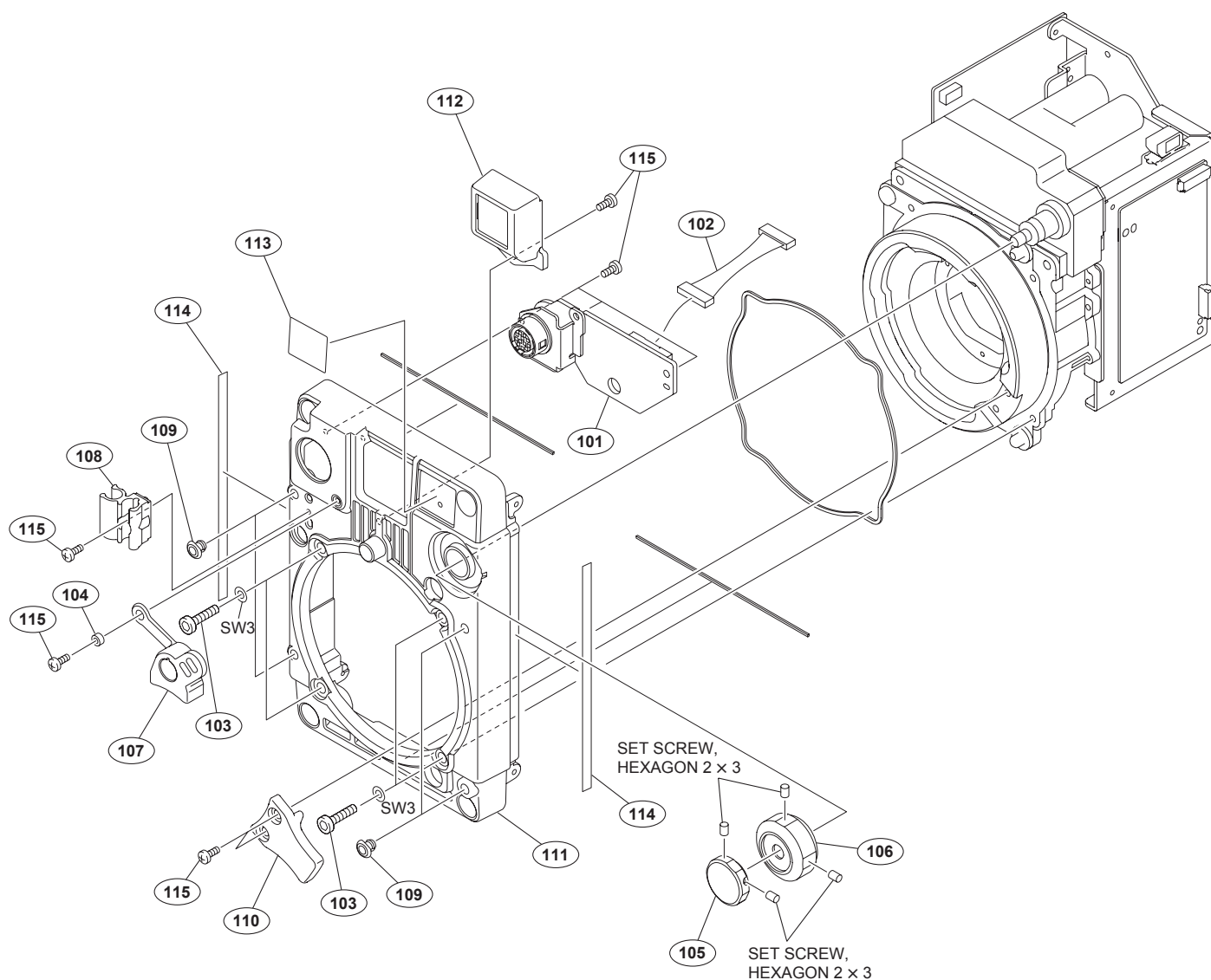
4. ハーネス

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



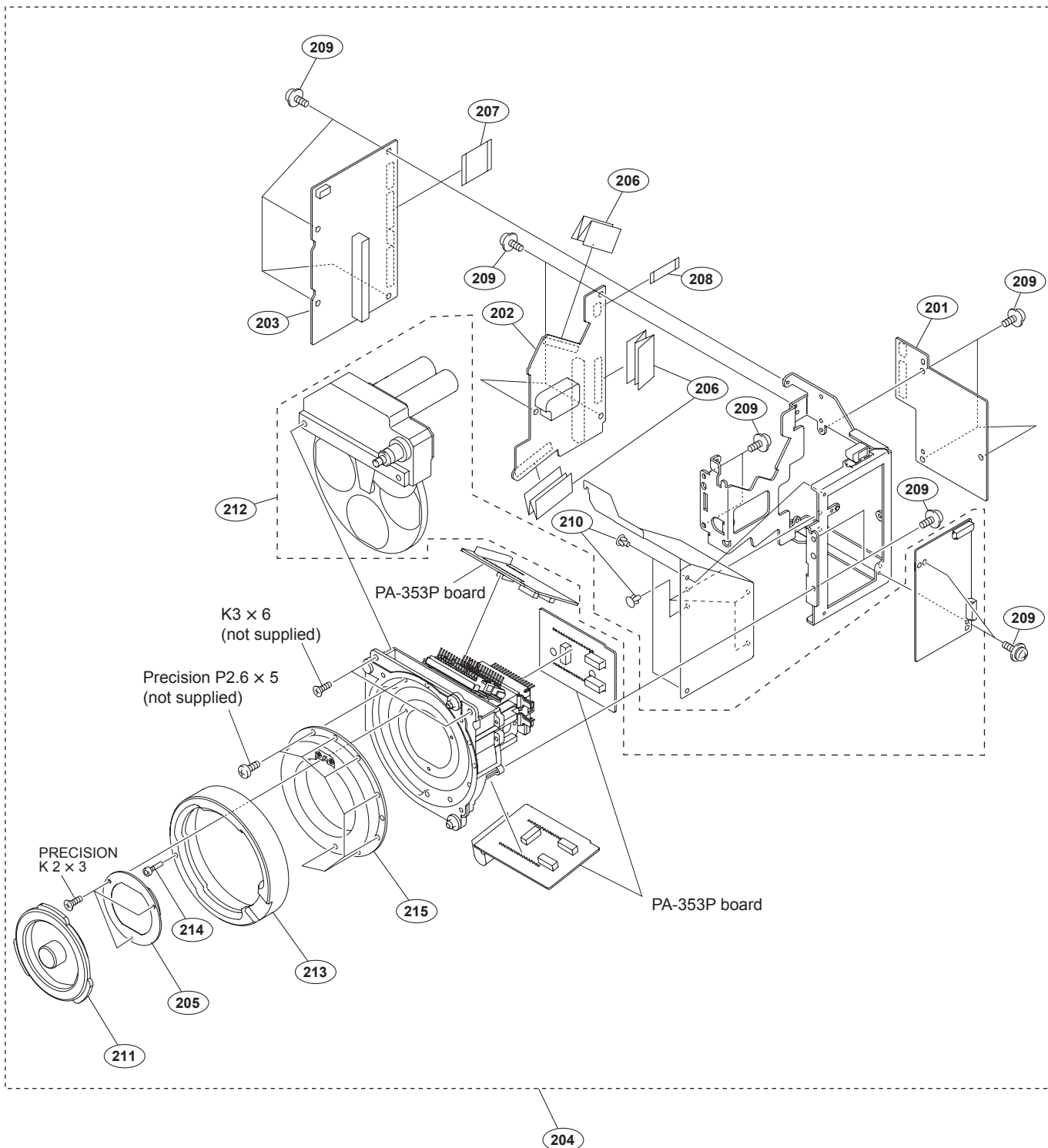
No.	Part No.	SP Description
1	1-831-087-11 s	CABLE, FLEXIBLE FLAT (50 CORE)
2	1-831-104-11 s	CABLE, FLEXIBLE FLAT (24 CORE)
3	1-831-131-11 s	CABLE, FLEXIBLE FLAT (45 CORE)
4	1-966-588-11 s	HARNESS, SUB (FILTER-DISC)
5	1-967-127-11 s	HARNESS, SUB (DC IN)
6	3-603-679-02 s	STAINLESS SCREW +B3X10
7	3-704-177-11 s	EMBLEM (NO.7), SONY
8	3-742-419-01 o	CLAMP, HARNESS
9	3-870-150-01 s	EMBLEM (FX), CCD
10	4-077-459-01 s	CLAMP, FLAT (30)
11	4-170-400-01 s	PANEL(L), SIDE
12	4-170-401-01 s	PANEL(R), SIDE
13	4-170-402-01 s	COVER, BOTTOM
14	4-174-331-01 s	CUSHION, AIR FLOW
15	4-654-273-02 s	ACE (M2), LOCK



No.	Part No.	SP Description
101	A-1756-582-A	s MOUNTED CIRCUIT BOARD, CN-3282
102	1-967-126-12	s HARNESS, SUB (LENS)
103	2-623-773-11	s BOLT (M3X8), STAINLESS
104	3-657-841-61	o SPACER (2X1.6)
105	3-679-670-03	s KNOB, FILTER (ND)
106	3-692-196-11	s KNOB, FILTER (CC)
107	3-796-982-03	s HOLDER LENS MOUNT
108	4-138-678-01	s CLAMP, CABLE
109	4-138-679-01	s SCREW, BLIND
110	4-138-685-01	s LEVER, MOUNT
111	4-170-397-01	s PANEL, FRONT
112	4-170-403-01	s COVER, TALLY
113	4-170-404-01	s LABEL, FILTER
114	4-171-753-01	s SHIELD FOAM(08X4X83)
115	4-654-273-02	s ACE (M2), LOCK

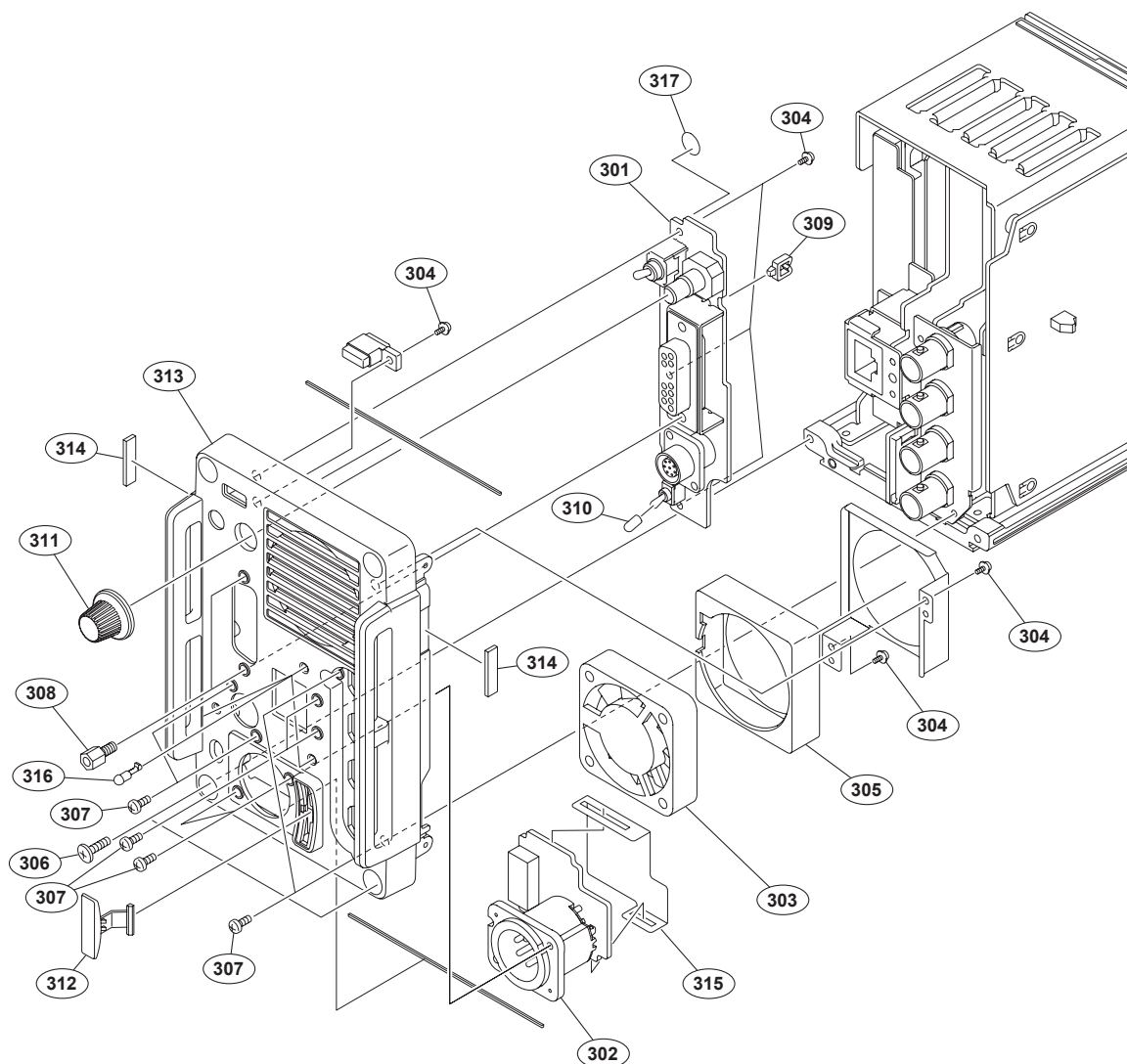
7-621-732-09 s SET-SCT HEX. 2X3 WP
 7-623-208-22 s SW 3, TYPE 2

CCD Unit



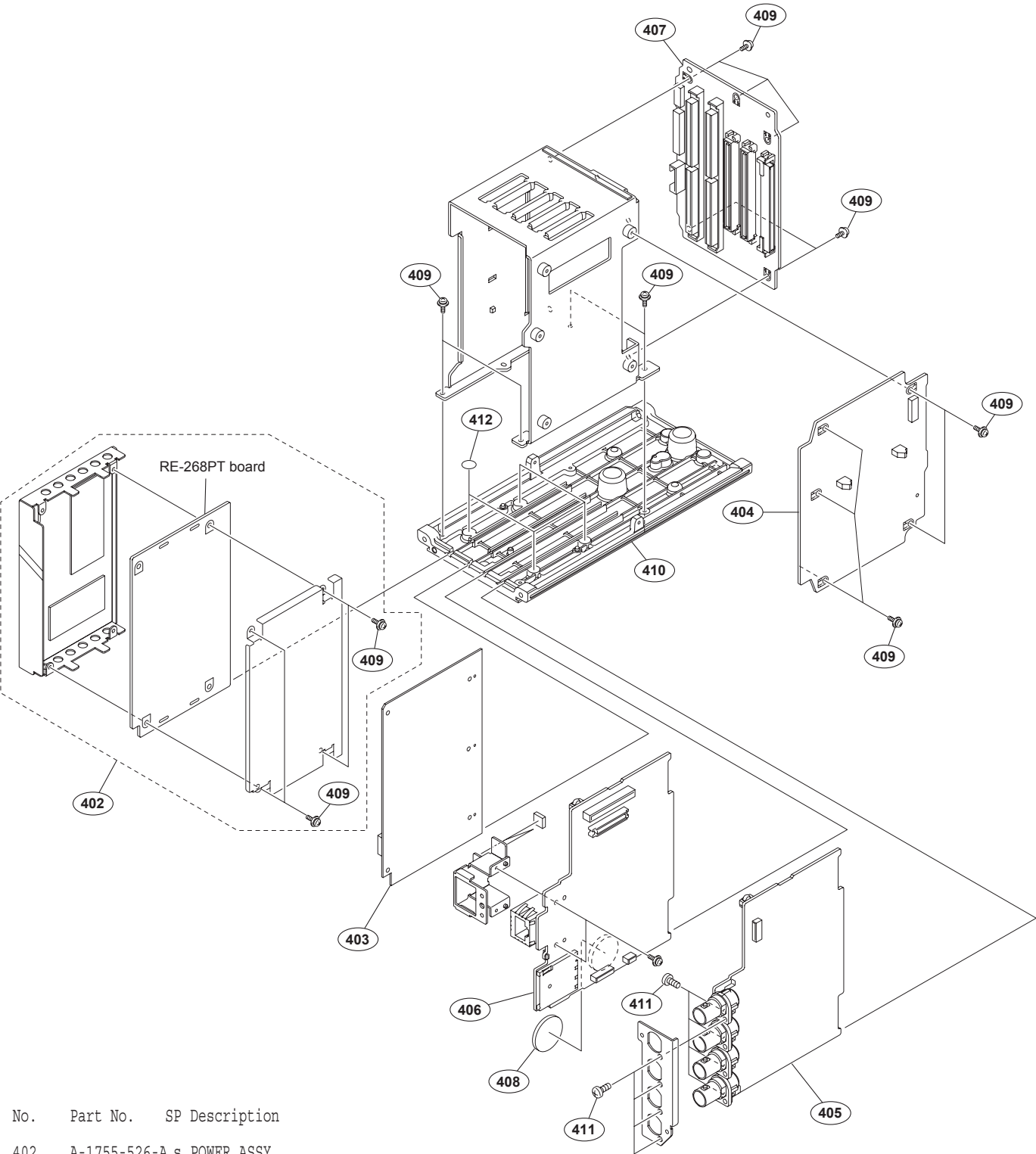
No.	Part No.	SP Description
201	A-1708-086-A s	MOUNTED CIRCUIT BOARD, NR-80P
202	A-1708-273-A s	MOUNTED CIRCUIT BOARD, DR-632P
203	A-1756-696-A s	MOUNTED CIRCUIT BOARD, TG-265PT
204	A-1760-159-A s	CCD BLOCK ASSY (RP)
205	1-788-764-21 s	FILTER UNIT, OPTICAL
206	1-832-133-11 s	CABLE, FLEXIBLE FLAT (50 CORE)
207	1-836-688-11 s	CABLE, FLEXIBLE FLAT (36 CORE)
208	1-836-689-11 s	CABLE, FLEXIBLE FLAT (10 CORE)
209	2-640-315-02 s	SCREW (M2X5), SMALL, +P, SW
210	2-279-715-11 s	RIVET, NYLON

No.	Part No.	SP Description
211	3-699-048-01 s	CAP, MOUNT
212	9-885-131-66 s	FD UNIT/CPJ-MS-42
213	9-885-131-67 s	BAYONET RING/CPJ-MS-42
214	9-885-131-68 s	DRIVING PIN/CPJ-MS-42
215	9-885-131-69 s	SLEEP BACK MOUNT/CPJ-MS-42
	7-627-452-18 s	SCREW,PRECISION +K 2X3



No.	Part No.	SP Description
301	A-1756-583-A s	MOUNTED CIRCUIT BOARD, SW-1485
302	A-1756-584-A s	MOUNTED CIRCUIT BOARD, CN-3283
303	△ 1-787-899-11 s	FAN, DC (40 SQUARE)
304	2-640-315-02 o	SCREW (M2X5), SMALL, +P, SW
305	3-097-054-02 s	CUSHION, FAN (40X10)
306	3-603-679-02 s	STAINLESS SCREW +B3X10
307	3-637-901-11 s	SCREW M2.6X5
308	3-673-910-32 s	SCREW, CONNECTOR
309	3-742-419-01 o	CLAMP, HARNESS
310	3-869-842-01 s	CAP, SW
311	4-138-683-01 s	KNOB, ENCODER
312	4-169-755-22 s	MS-CAP
313	△ 4-170-398-02 s	PANEL, REAR
314	4-170-408-02 s	SHIELD FOAM(08X3X15)
315	4-170-410-02 s	SHEET, INSULATING
316	4-170-412-02 s	GUIDE, LIGHT
317	3-796-946-02 s	TAPE (A)

Board Block



No.	Part No.	SP Description
402	A-1755-526-A	s POWER ASSY
403	A-1755-691-A	s MOUNTED CIRCUIT BOARD, AT-163APT
404	A-1755-693-A	s MOUNTED CIRCUIT BOARD, DPR-315
405	A-1755-694-A	s MOUNTED CIRCUIT BOARD, DPR-316 (Serial No. 100001 to 109999)
	A-1755-694-B	s MOUNTED CIRCUIT BOARD, DPR-316 (Serial No. 110001 and Higher)
406	A-1755-695-A	s MOUNTED CIRCUIT BOARD, IF-1129
407	A-1756-588-A	s MOUNTED CIRCUIT BOARD, MB-1158
408	△ 1-528-174-31	s BATTERY, LITHIUM (CR2032 TYPE)
409	2-640-315-02	s SCREW (M2X5), SMALL, +P, SW
410	4-170-402-01	s COVER, BOTTOM
411	3-637-901-11	s SCREW M2.6X5
412	3-796-946-02	s TAPE(A)

6-3. Electrical Parts List

AT-163APT BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1755-691-A	s MOUNTED CIRCUIT BOARD, AT-163APT
3pcs	3-729-061-02	s SCREW (M2) (TYPE 1)
C1	1-127-692-91	s CAP, CHIP CERAMIC 10MF B 3225
C2	1-127-692-91	s CAP, CHIP CERAMIC 10MF B 3225
C3	1-127-692-91	s CAP, CHIP CERAMIC 10MF B 3225
C4	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C6	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C7	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C10	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C12	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C29	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C31	1-112-916-11	s CAP, NIOBIUM ELECT 47MF 105
C32	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C33	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C35	1-112-916-11	s CAP, NIOBIUM ELECT 47MF 105
C36	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C50	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C51	1-112-015-91	s CAP, CHIP CERAMIC 47MF B 3225
C52	1-100-505-91	s CAP, CERAMIC 0.1MF C (1005)
C54	1-100-505-91	s CAP, CERAMIC 0.1MF C (1005)
C56	1-112-015-91	s CAP, CHIP CERAMIC 47MF B 3225
C57	1-100-505-91	s CAP, CERAMIC 0.1MF C (1005)
C58	1-112-015-91	s CAP, CHIP CERAMIC 47MF B 3225
C102	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C103	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C104	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C105	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C107	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C108	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C109	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C110	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C111	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C112	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C113	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C114	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C115	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C116	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C117	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C119	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C120	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
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
C124	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C127	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C128	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C129	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C130	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C131	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C132	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C133	1-164-935-81	s CAP, CHIP CERAMIC 470PF B 1005
C134	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C135	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C136	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
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
C140	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C141	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C142	1-119-923-81	s CAP, CERAMIC 0.047MF B 1005

(AT-163APT BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C145	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C146	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C147	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C148	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C150	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C151	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C152	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C153	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C154	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C155	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C156	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C159	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C165	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C166	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C167	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C168	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C169	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C170	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C171	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C172	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C173	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C174	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C175	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C176	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C177	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C178	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C179	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C180	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C183	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C184	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C186	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C301	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C302	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C303	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C304	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C305	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C306	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C307	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C308	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C309	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C310	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C311	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C312	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C313	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C314	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C315	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C316	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C317	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C318	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C319	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C320	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
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
C401	1-119-923-81	s CAP, CERAMIC 0.047MF B 1005
C404	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C406	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C407	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C408	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C410	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005

(AT-163APT BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C411	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C412	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C413	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C415	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C417	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C419	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C420	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C423	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C425	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C426	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C427	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C428	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C429	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C430	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C431	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C432	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C433	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C434	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C435	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C436	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C437	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C601	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C602	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C603	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C604	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C605	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C606	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C607	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C608	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C609	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C610	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C611	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C612	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C613	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C614	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C615	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C616	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C617	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C618	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C619	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C620	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C621	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C622	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C623	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C624	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C625	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C626	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C627	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C628	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C629	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C630	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C631	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C632	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C634	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C636	1-164-937-81 s	CAP, CHIP CERAMIC 1000PF B 1005
C637	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C638	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C639	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C640	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C641	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C642	1-164-937-81 s	CAP, CHIP CERAMIC 1000PF B 1005
C643	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C644	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C645	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C646	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C647	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C648	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
CN401	1-764-093-21 o	PIN, CONNECTOR (PC BOARD) 8P
D1	8-719-083-60 s	DI UDZSUSTE-174.7B
D2	8-719-083-60 s	DI UDZSUSTE-174.7B
D3	8-719-083-60 s	DI UDZSUSTE-174.7B
D102	8-719-024-71 s	DIODE 1SS362-TE85L
D103	8-719-024-71 s	DIODE 1SS362-TE85L
D104	8-719-024-71 s	DIODE 1SS362-TE85L
D105	8-719-024-71 s	DIODE 1SS362-TE85L
D106	6-502-197-01 s	DI SML-D12M8WT86SM
D401	8-719-024-71 s	DIODE 1SS362-TE85L
D402	8-719-024-71 s	DIODE 1SS362-TE85L
D403	8-719-024-71 s	DIODE 1SS362-TE85L
D404	8-719-024-71 s	DIODE 1SS362-TE85L
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
D606	8-719-024-71 s	DIODE 1SS362-TE85L
D607	8-719-024-71 s	DIODE 1SS362-TE85L
D608	8-719-024-71 s	DIODE 1SS362-TE85L
E1	1-535-877-22 s	CHIP, CHECKER
FB50	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB51	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)
FB103	1-469-094-21 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)
FB301	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB302	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB401	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB402	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB403	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB404	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB405	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB406	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB407	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
IC2	6-704-976-01 s	IC ADR381ARTZ-REEL7
IC3	8-759-327-01 s	IC NJM062V (TE2)
IC50	6-706-220-01 s	IC LTC3411EMS#TR
IC101	8-759-656-54 s	IC TC7WH14FK
IC103	8-759-675-54 s	IC TC7W53FK (TE85R)
IC104	8-759-675-54 s	IC TC7W53FK (TE85R)
IC105	8-759-680-48 s	IC TC7WH157FK
IC106	8-759-675-54 s	IC TC7W53FK (TE85R)
IC107	8-759-675-54 s	IC TC7W53FK (TE85R)
IC108	6-707-845-01 s	IC TC74LCX138FT (EKJ)

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Ref. No. or Q'ty	Part No.	SP	Description
IC109	6-703-421-01	s	IC HD64F7145F50
IC110	6-707-845-01	s	IC TC74LCX138FT (EKJ)
IC112	6-707-850-01	s	IC TC74LCX245FT (EKJ)
IC114	8-759-680-48	s	IC TC7WH157FK
IC115	8-759-680-48	s	IC TC7WH157FK
IC116	8-759-598-44	s	IC TC7WH08FK
IC117	6-702-879-01	s	IC R3112N281A-TR-FE
IC118	6-714-366-01	s	IC M29W160ET70N6E
IC120	8-759-598-44	s	IC TC7WH08FK
IC121	8-759-327-01	s	IC NJM062V (TE2)
IC122	6-714-366-01	s	IC M29W160ET70N6E
IC123	6-707-850-01	s	IC TC74LCX245FT (EKJ)
IC125	6-707-845-01	s	IC TC74LCX138FT (EKJ)
IC126	6-704-099-01	s	IC TC7WZ08FK
IC127	6-713-689-01	s	IC R1LV0416DSB-5SI
IC128	6-713-689-01	s	IC R1LV0416DSB-5SI
IC129	8-759-598-43	s	IC TC7WH04FK
IC130	8-759-598-43	s	IC TC7WH04FK
IC131	6-706-489-01	s	IC TC7SH32FU
IC133	6-718-054-01	s	IC MB85R1002ANC-GE1
IC134	8-759-675-53	s	IC TC7WH32FK
IC135	8-759-675-53	s	IC TC7WH32FK
IC136	8-759-598-44	s	IC TC7WH08FK
IC137	8-759-598-44	s	IC TC7WH08FK
IC143	8-759-584-32	s	IC MB86189PMC-G-BND-ER-E1
IC144	8-759-656-54	s	IC TC7WH14FK
IC146	8-759-598-43	s	IC TC7WH04FK
IC147	6-706-476-01	s	IC TC7SET04FU
IC148	6-706-481-01	s	IC TC7SET32FU
IC150	8-759-598-44	s	IC TC7WH08FK
IC152	8-759-656-54	s	IC TC7WH14FK
IC153	8-759-698-31	s	IC TC7WH74FK
IC154	8-759-598-44	s	IC TC7WH08FK
IC155	8-759-598-44	s	IC TC7WH08FK
IC301	6-717-397-01	s	IC CXD9093AR
IC302	6-706-487-01	s	IC TC7SH08FU
IC303	6-706-489-01	s	IC TC7SH32FU
IC305	8-759-598-43	s	IC TC7WH04FK
IC306	8-759-092-83	s	IC SN75158PSR
IC307	6-706-487-01	s	IC TC7SH08FU
IC308	6-706-478-01	s	IC TC7SET08FU
IC401	6-702-879-01	s	IC R3112N281A-TR-FE
IC402	6-706-487-01	s	IC TC7SH08FU
IC403	6-700-387-01	s	IC EPC2LC20N-TP
IC406	6-707-886-01	s	IC TC74VHCT125AFT (EKJ)
IC407	8-759-598-44	s	IC TC7WH08FK
IC408	6-707-890-01	s	IC TC74VHCT244AFT (EKJ)
IC409	6-706-476-01	s	IC TC7SET04FU
IC410	6-706-476-01	s	IC TC7SET04FU
IC411	8-759-680-48	s	IC TC7WH157FK
IC601	6-706-476-01	s	IC TC7SET04FU
IC602	8-759-523-01	s	IC TC74HC4052AFT (EL)
IC603	8-759-523-01	s	IC TC74HC4052AFT (EL)
IC604	8-759-327-01	s	IC NJM062V (TE2)
IC605	8-759-327-01	s	IC NJM062V (TE2)
IC606	8-759-327-01	s	IC NJM062V (TE2)
IC607	8-759-327-01	s	IC NJM062V (TE2)
IC608	8-759-669-66	s	IC TLC272CPWR-12
IC609	8-759-327-01	s	IC NJM062V (TE2)

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Ref. No. or Q'ty	Part No.	SP	Description
IC610	8-759-327-01	s	IC NJM062V (TE2)
IC611	6-708-346-01	s	IC DAC7512N
IC613	8-759-672-76	s	IC AK9813BF-E2
JC50	1-218-990-81	s	CONDUCTOR, CHIP (1005)
L1	1-414-398-41	s	INDUCTOR (SMD) 10.0UH
L3	1-414-398-41	s	INDUCTOR (SMD) 10.0UH
L5	1-414-398-41	s	INDUCTOR (SMD) 10.0UH
L50	1-419-630-21	s	COIL, CHOKE 4.7UH
L101	1-414-398-41	s	INDUCTOR (SMD) 10.0UH
L104	1-414-398-41	s	INDUCTOR (SMD) 10.0UH
L105	1-414-398-41	s	INDUCTOR (SMD) 10.0UH
L106	1-412-971-41	s	INDUCTOR, SMALL TYPE 0.22UH
L301	1-414-398-41	s	INDUCTOR (SMD) 10.0UH
L401	1-414-392-41	s	INDUCTOR (SMD) 1.0UH
L402	1-414-392-41	s	INDUCTOR (SMD) 1.0UH
L403	1-414-392-41	s	INDUCTOR (SMD) 1.0UH
L601	1-414-392-41	s	INDUCTOR (SMD) 1.0UH
L602	1-414-392-41	s	INDUCTOR (SMD) 1.0UH
L603	1-414-392-41	s	INDUCTOR (SMD) 1.0UH
PH301	8-749-014-35	s	IC HCPL-0630-500
Q1	6-550-632-01	s	TRANSISTOR 2SC4672-T100-Q
Q2	6-550-631-01	s	TRANSISTOR 2SA1797-T100-Q
Q3	6-550-631-01	s	TRANSISTOR 2SA1797-T100-Q
Q101	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q104	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q105	6-550-631-01	s	TRANSISTOR 2SA1797-T100-Q
Q106	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q401	8-729-928-25	s	TRANSISTOR 2SA1774TL-QR
Q402	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q404	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q405	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q406	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q407	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q408	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q409	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q410	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q411	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q414	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q415	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q416	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q417	8-729-928-82	s	TRANSISTOR DTC144EE-TL
R1	1-208-919-81	s	RES, CHIP 22K (1005)
R2	1-208-903-81	s	RES, CHIP 4.7K (1005)
R3	1-208-927-81	s	RES, CHIP 47K (1005)
R4	1-208-911-81	s	RES, CHIP 10K (1005)
R5	1-220-221-91	s	RES, SQUARE TYPE CHIP 100 (4532)
R6	1-220-221-91	s	RES, SQUARE TYPE CHIP 100 (4532)
R7	1-208-911-81	s	RES, CHIP 10K (1005)
R8	1-208-903-81	s	RES, CHIP 4.7K (1005)
R9	1-220-221-91	s	RES, SQUARE TYPE CHIP 100 (4532)
R11	1-208-871-81	s	RES, CHIP 220 (1005)
R14	1-208-871-81	s	RES, CHIP 220 (1005)
R17	1-208-923-81	s	RES, CHIP 33K (1005)
R18	1-208-923-81	s	RES, CHIP 33K (1005)
R19	1-208-923-81	s	RES, CHIP 33K (1005)
R20	1-208-923-81	s	RES, CHIP 33K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R23	1-208-919-81 s	RES, CHIP 22K (1005)
R24	1-208-907-81 s	RES, CHIP 6.8K (1005)
R25	1-208-923-81 s	RES, CHIP 33K (1005)
R26	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R27	1-208-927-81 s	RES, CHIP 47K (1005)
R50	1-208-927-81 s	RES, CHIP 47K (1005)
R51	1-208-923-81 s	RES, CHIP 33K (1005)
R52	1-208-887-81 s	RES, CHIP 1.0K (1005)
R53	1-208-911-81 s	RES, CHIP 10K (1005)
R55	1-208-935-81 s	RES, CHIP 100K (1005)
R56	1-208-943-81 s	RES, CHIP 220K (1005)
R58	1-208-943-81 s	RES, CHIP 220K (1005)
R59	1-208-907-81 s	RES, CHIP 6.8K (1005)
R60	1-208-935-81 s	RES, CHIP 100K (1005)
R61	1-208-935-81 s	RES, CHIP 100K (1005)
R101	1-208-871-81 s	RES, CHIP 220 (1005)
R102	1-208-935-81 s	RES, CHIP 100K (1005)
R103	1-208-887-81 s	RES, CHIP 1.0K (1005)
R104	1-208-911-81 s	RES, CHIP 10K (1005)
R105	1-208-887-81 s	RES, CHIP 1.0K (1005)
R106	1-208-871-81 s	RES, CHIP 220 (1005)
R107	1-208-871-81 s	RES, CHIP 220 (1005)
R108	1-208-863-81 s	RES, CHIP 100 (1005)
R109	1-208-863-81 s	RES, CHIP 100 (1005)
R110	1-208-863-81 s	RES, CHIP 100 (1005)
R111	1-208-863-81 s	RES, CHIP 100 (1005)
R112	1-208-863-81 s	RES, CHIP 100 (1005)
R113	1-208-863-81 s	RES, CHIP 100 (1005)
R114	1-208-863-81 s	RES, CHIP 100 (1005)
R115	1-208-863-81 s	RES, CHIP 100 (1005)
R116	1-208-863-81 s	RES, CHIP 100 (1005)
R117	1-208-863-81 s	RES, CHIP 100 (1005)
R118	1-208-935-81 s	RES, CHIP 100K (1005)
R119	1-208-871-81 s	RES, CHIP 220 (1005)
R120	1-208-935-81 s	RES, CHIP 100K (1005)
R121	1-208-935-81 s	RES, CHIP 100K (1005)
R122	1-208-935-81 s	RES, CHIP 100K (1005)
R123	1-208-935-81 s	RES, CHIP 100K (1005)
R124	1-208-935-81 s	RES, CHIP 100K (1005)
R125	1-208-935-81 s	RES, CHIP 100K (1005)
R126	1-208-935-81 s	RES, CHIP 100K (1005)
R127	1-208-935-81 s	RES, CHIP 100K (1005)
R128	1-208-935-81 s	RES, CHIP 100K (1005)
R129	1-208-935-81 s	RES, CHIP 100K (1005)
R130	1-208-935-81 s	RES, CHIP 100K (1005)
R131	1-208-863-81 s	RES, CHIP 100 (1005)
R132	1-208-863-81 s	RES, CHIP 100 (1005)
R133	1-208-879-81 s	RES, CHIP 470 (1005)
R134	1-208-903-81 s	RES, CHIP 4.7K (1005)
R135	1-208-863-81 s	RES, CHIP 100 (1005)
R136	1-208-863-81 s	RES, CHIP 100 (1005)
R137	1-208-863-81 s	RES, CHIP 100 (1005)
R138	1-208-863-81 s	RES, CHIP 100 (1005)
R139	1-208-863-81 s	RES, CHIP 100 (1005)
R140	1-208-863-81 s	RES, CHIP 100 (1005)
R141	1-208-863-81 s	RES, CHIP 100 (1005)
R142	1-208-911-81 s	RES, CHIP 10K (1005)
R143	1-208-911-81 s	RES, CHIP 10K (1005)
R144	1-208-935-81 s	RES, CHIP 100K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R145	1-208-935-81 s	RES, CHIP 100K (1005)
R146	1-208-911-81 s	RES, CHIP 10K (1005)
R147	1-208-911-81 s	RES, CHIP 10K (1005)
R148	1-208-935-81 s	RES, CHIP 100K (1005)
R149	1-208-863-81 s	RES, CHIP 100 (1005)
R150	1-208-863-81 s	RES, CHIP 100 (1005)
R151	1-208-863-81 s	RES, CHIP 100 (1005)
R152	1-208-911-81 s	RES, CHIP 10K (1005)
R153	1-208-911-81 s	RES, CHIP 10K (1005)
R154	1-208-911-81 s	RES, CHIP 10K (1005)
R155	1-208-863-81 s	RES, CHIP 100 (1005)
R156	1-208-891-81 s	RES, CHIP 1.5K (1005)
R157	1-208-935-81 s	RES, CHIP 100K (1005)
R158	1-208-855-81 s	RES, CHIP 47 (1005)
R159	1-208-855-81 s	RES, CHIP 47 (1005)
R160	1-208-887-81 s	RES, CHIP 1.0K (1005)
R161	1-208-935-81 s	RES, CHIP 100K (1005)
R162	1-208-911-81 s	RES, CHIP 10K (1005)
R163	1-208-911-81 s	RES, CHIP 10K (1005)
R164	1-220-870-81 s	RES, CHIP 10 (1005)
R165	1-208-863-81 s	RES, CHIP 100 (1005)
R167	1-208-863-81 s	RES, CHIP 100 (1005)
R168	1-208-935-81 s	RES, CHIP 100K (1005)
R171	1-208-911-81 s	RES, CHIP 10K (1005)
R174	1-208-887-81 s	RES, CHIP 1.0K (1005)
R176	1-208-863-81 s	RES, CHIP 100 (1005)
R177	1-208-863-81 s	RES, CHIP 100 (1005)
R178	1-208-899-81 s	RES, CHIP 3.3K (1005)
R179	1-208-871-81 s	RES, CHIP 220 (1005)
R180	1-208-935-81 s	RES, CHIP 100K (1005)
R181	1-208-855-81 s	RES, CHIP 47 (1005)
R182	1-208-887-81 s	RES, CHIP 1.0K (1005)
R183	1-208-911-81 s	RES, CHIP 10K (1005)
R186	1-208-911-81 s	RES, CHIP 10K (1005)
R187	1-208-911-81 s	RES, CHIP 10K (1005)
R191	1-208-911-81 s	RES, CHIP 10K (1005)
R192	1-208-911-81 s	RES, CHIP 10K (1005)
R193	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R194	1-208-887-81 s	RES, CHIP 1.0K (1005)
R196	1-208-935-81 s	RES, CHIP 100K (1005)
R197	1-208-935-81 s	RES, CHIP 100K (1005)
R198	1-208-911-81 s	RES, CHIP 10K (1005)
R200	1-208-911-81 s	RES, CHIP 10K (1005)
R206	1-208-911-81 s	RES, CHIP 10K (1005)
R207	1-208-879-81 s	RES, CHIP 470 (1005)
R215	1-208-935-81 s	RES, CHIP 100K (1005)
R216	1-208-935-81 s	RES, CHIP 100K (1005)
R217	1-220-870-81 s	RES, CHIP 10 (1005)
R218	1-208-911-81 s	RES, CHIP 10K (1005)
R219	1-208-935-81 s	RES, CHIP 100K (1005)
R220	1-208-935-81 s	RES, CHIP 100K (1005)
R221	1-208-935-81 s	RES, CHIP 100K (1005)
R225	1-208-911-81 s	RES, CHIP 10K (1005)
R226	1-208-887-81 s	RES, CHIP 1.0K (1005)
R227	1-208-935-81 s	RES, CHIP 100K (1005)
R228	1-208-919-81 s	RES, CHIP 22K (1005)
R231	1-208-935-81 s	RES, CHIP 100K (1005)
R232	1-208-895-81 s	RES, CHIP 2.2K (1005)
R234	1-208-935-81 s	RES, CHIP 100K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R236	1-220-878-81	s RES, CHIP 22 (1005)
R237	1-220-878-81	s RES, CHIP 22 (1005)
R238	1-220-878-81	s RES, CHIP 22 (1005)
R240	1-220-878-81	s RES, CHIP 22 (1005)
R241	1-220-878-81	s RES, CHIP 22 (1005)
R242	1-208-935-81	s RES, CHIP 100K (1005)
R243	1-208-935-81	s RES, CHIP 100K (1005)
R244	1-208-863-81	s RES, CHIP 100 (1005)
R245	1-208-927-81	s RES, CHIP 47K (1005)
R254	1-208-855-81	s RES, CHIP 47 (1005)
R255	1-208-935-81	s RES, CHIP 100K (1005)
R301	1-218-990-81	s CONDUCTOR, CHIP (1005)
R302	1-218-990-81	s CONDUCTOR, CHIP (1005)
R303	1-208-935-81	s RES, CHIP 100K (1005)
R304	1-208-887-81	s RES, CHIP 1.0K (1005)
R305	1-220-878-81	s RES, CHIP 22 (1005)
R306	1-208-863-81	s RES, CHIP 100 (1005)
R307	1-208-887-81	s RES, CHIP 1.0K (1005)
R308	1-208-935-81	s RES, CHIP 100K (1005)
R309	1-208-863-81	s RES, CHIP 100 (1005)
R310	1-208-863-81	s RES, CHIP 100 (1005)
R311	1-208-935-81	s RES, CHIP 100K (1005)
R312	1-208-935-81	s RES, CHIP 100K (1005)
R313	1-208-907-81	s RES, CHIP 6.8K (1005)
R314	1-208-863-81	s RES, CHIP 100 (1005)
R315	1-208-907-81	s RES, CHIP 6.8K (1005)
R316	1-208-911-81	s RES, CHIP 10K (1005)
R317	1-208-871-81	s RES, CHIP 220 (1005)
R318	1-208-927-81	s RES, CHIP 47K (1005)
R319	1-208-875-81	s RES, CHIP 330 (1005)
R320	1-208-863-81	s RES, CHIP 100 (1005)
R321	1-208-863-81	s RES, CHIP 100 (1005)
R322	1-220-870-81	s RES, CHIP 10 (1005)
R323	1-220-870-81	s RES, CHIP 10 (1005)
R401	1-218-990-81	s CONDUCTOR, CHIP (1005)
R402	1-208-927-81	s RES, CHIP 47K (1005)
R403	1-208-927-81	s RES, CHIP 47K (1005)
R404	1-208-911-81	s RES, CHIP 10K (1005)
R405	1-208-927-81	s RES, CHIP 47K (1005)
R406	1-208-911-81	s RES, CHIP 10K (1005)
R407	1-208-911-81	s RES, CHIP 10K (1005)
R408	1-208-911-81	s RES, CHIP 10K (1005)
R410	1-208-911-81	s RES, CHIP 10K (1005)
R412	1-208-911-81	s RES, CHIP 10K (1005)
R413	1-208-911-81	s RES, CHIP 10K (1005)
R415	1-208-911-81	s RES, CHIP 10K (1005)
R416	1-208-919-81	s RES, CHIP 22K (1005)
R417	1-208-911-81	s RES, CHIP 10K (1005)
R419	1-208-911-81	s RES, CHIP 10K (1005)
R420	1-208-903-81	s RES, CHIP 4.7K (1005)
R421	1-208-935-81	s RES, CHIP 100K (1005)
R422	1-208-863-81	s RES, CHIP 100 (1005)
R423	1-208-863-81	s RES, CHIP 100 (1005)
R424	1-208-927-81	s RES, CHIP 47K (1005)
R426	1-208-911-81	s RES, CHIP 10K (1005)
R428	1-208-863-81	s RES, CHIP 100 (1005)
R429	1-208-863-81	s RES, CHIP 100 (1005)
R430	1-208-863-81	s RES, CHIP 100 (1005)
R431	1-208-887-81	s RES, CHIP 1.0K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R432	1-208-887-81	s RES, CHIP 1.0K (1005)
R433	1-208-927-81	s RES, CHIP 47K (1005)
R434	1-208-927-81	s RES, CHIP 47K (1005)
R435	1-208-863-81	s RES, CHIP 100 (1005)
R437	1-208-863-81	s RES, CHIP 100 (1005)
R438	1-208-863-81	s RES, CHIP 100 (1005)
R439	1-208-863-81	s RES, CHIP 100 (1005)
R442	1-218-990-81	s CONDUCTOR, CHIP (1005)
R443	1-218-990-81	s CONDUCTOR, CHIP (1005)
R448	1-218-990-81	s CONDUCTOR, CHIP (1005)
R450	1-208-863-81	s RES, CHIP 100 (1005)
R451	1-208-863-81	s RES, CHIP 100 (1005)
R452	1-208-863-81	s RES, CHIP 100 (1005)
R461	1-218-990-81	s CONDUCTOR, CHIP (1005)
R462	1-218-990-81	s CONDUCTOR, CHIP (1005)
R468	1-208-863-81	s RES, CHIP 100 (1005)
R469	1-208-863-81	s RES, CHIP 100 (1005)
R479	1-218-990-81	s CONDUCTOR, CHIP (1005)
R483	1-208-863-81	s RES, CHIP 100 (1005)
R485	1-220-870-81	s RES, CHIP 10 (1005)
R486	1-208-927-81	s RES, CHIP 47K (1005)
R487	1-208-927-81	s RES, CHIP 47K (1005)
R497	1-218-990-81	s CONDUCTOR, CHIP (1005)
R498	1-208-911-81	s RES, CHIP 10K (1005)
R509	1-208-863-81	s RES, CHIP 100 (1005)
R518	1-208-863-81	s RES, CHIP 100 (1005)
R520	1-208-863-81	s RES, CHIP 100 (1005)
R532	1-208-863-81	s RES, CHIP 100 (1005)
R533	1-208-891-81	s RES, CHIP 1.5K (1005)
R534	1-208-891-81	s RES, CHIP 1.5K (1005)
R537	1-208-911-81	s RES, CHIP 10K (1005)
R601	1-208-863-81	s RES, CHIP 100 (1005)
R602	1-208-863-81	s RES, CHIP 100 (1005)
R603	1-208-915-81	s RES, CHIP 15K (1005)
R604	1-218-990-81	s CONDUCTOR, CHIP (1005)
R605	1-208-895-81	s RES, CHIP 2.2K (1005)
R606	1-208-863-81	s RES, CHIP 100 (1005)
R607	1-208-907-81	s RES, CHIP 6.8K (1005)
R608	1-208-863-81	s RES, CHIP 100 (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	1-208-887-81	s RES, CHIP 1.0K (1005)
R613	1-208-923-81	s RES, CHIP 33K (1005)
R614	1-208-883-81	s RES, CHIP 680 (1005)
R615	1-208-871-81	s RES, CHIP 220 (1005)
R616	1-208-887-81	s RES, CHIP 1.0K (1005)
R617	1-208-871-81	s RES, CHIP 220 (1005)
R618	1-208-927-81	s RES, CHIP 47K (1005)
R619	1-208-935-81	s RES, CHIP 100K (1005)
R620	1-208-927-81	s RES, CHIP 47K (1005)
R621	1-208-919-81	s RES, CHIP 22K (1005)
R622	1-208-935-81	s RES, CHIP 100K (1005)
R623	1-208-923-81	s RES, CHIP 33K (1005)
R624	1-208-899-81	s RES, CHIP 3.3K (1005)
R625	1-208-887-81	s RES, CHIP 1.0K (1005)
R626	1-208-871-81	s RES, CHIP 220 (1005)
R627	1-208-927-81	s RES, CHIP 47K (1005)
R628	1-208-915-81	s RES, CHIP 15K (1005)

(AT-163APT BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R630	1-208-931-81	s RES, CHIP 68K (1005)
R631	1-208-911-81	s RES, CHIP 10K (1005)
R632	1-208-923-81	s RES, CHIP 33K (1005)
R633	1-208-923-81	s RES, CHIP 33K (1005)
R634	1-208-915-81	s RES, CHIP 15K (1005)
R635	1-208-887-81	s RES, CHIP 1.0K (1005)
R636	1-208-871-81	s RES, CHIP 220 (1005)
R637	1-208-887-81	s RES, CHIP 1.0K (1005)
R638	1-208-915-81	s RES, CHIP 15K (1005)
R639	1-208-903-81	s RES, CHIP 4.7K (1005)
R640	1-208-911-81	s RES, CHIP 10K (1005)
R641	1-218-990-81	s CONDUCTOR, CHIP (1005)
R645	1-208-935-81	s RES, CHIP 100K (1005)
R646	1-218-990-81	s CONDUCTOR, CHIP (1005)
R647	1-208-927-81	s RES, CHIP 47K (1005)
R648	1-208-871-81	s RES, CHIP 220 (1005)
R649	1-208-927-81	s RES, CHIP 47K (1005)
R650	1-208-887-81	s RES, CHIP 1.0K (1005)
R651	1-208-927-81	s RES, CHIP 47K (1005)
R652	1-208-919-81	s RES, CHIP 22K (1005)
R653	1-208-923-81	s RES, CHIP 33K (1005)
R654	1-208-927-81	s RES, CHIP 47K (1005)
R655	1-208-919-81	s RES, CHIP 22K (1005)
R656	1-208-915-81	s RES, CHIP 15K (1005)
R657	1-208-923-81	s RES, CHIP 33K (1005)
R658	1-208-899-81	s RES, CHIP 3.3K (1005)
R659	1-208-887-81	s RES, CHIP 1.0K (1005)
R660	1-208-887-81	s RES, CHIP 1.0K (1005)
R661	1-208-887-81	s RES, CHIP 1.0K (1005)
R662	1-208-863-81	s RES, CHIP 100 (1005)
R665	1-208-915-81	s RES, CHIP 15K (1005)
R666	1-208-935-81	s RES, CHIP 100K (1005)
R667	1-208-915-81	s RES, CHIP 15K (1005)
R668	1-208-899-81	s RES, CHIP 3.3K (1005)
R669	1-208-923-81	s RES, CHIP 33K (1005)
R670	1-208-871-81	s RES, CHIP 220 (1005)
R671	1-218-990-81	s CONDUCTOR, CHIP (1005)
R672	1-208-935-81	s RES, CHIP 100K (1005)
R673	1-218-990-81	s CONDUCTOR, CHIP (1005)
RB103	1-234-380-21	s RES, NETWORK 47K (1005X4)
RB104	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB105	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB106	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB107	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB108	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB109	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB110	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB111	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB112	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB113	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB114	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB115	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB116	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB117	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB118	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB119	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB120	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB121	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB122	1-234-381-21	s RES, NETWORK 100K (1005X4)

(AT-163APT BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RB123	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB124	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB125	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB401	1-234-378-21	s RES, NETWORK 10K (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	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB417	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB601	1-234-380-21	s RES, NETWORK 47K (1005X4)
RB602	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB603	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB604	1-234-372-21	s RES, NETWORK 100 (1005X4)
S1	1-692-270-41	s SWITCH, SLIDE
THP1	Δ 1-804-458-21	s THERMISTOR, POSITIVE
THP2	Δ 1-804-458-21	s THERMISTOR, POSITIVE
THP3	Δ 1-804-616-21	s THERMISTOR, POSITIVE
THP101	Δ 1-804-458-21	s THERMISTOR, POSITIVE
TP1	1-535-877-22	s CHIP, CHECKER
X101	1-814-386-11	s OSCILLATOR, CRYSTAL 16.934MHZ
X301	1-795-984-11	s OSCILLATOR, CRYSTAL

CN-3282 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1756-582-A	s MOUNTED CIRCUIT BOARD, CN-3282
C1	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
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	1-164-882-81	s CAP,CHIP CERAMIC 220PF CH 1005
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	1-793-358-21	s PIN (PWB) (30P), CONNECTOR
CN2	1-562-221-31	s CONNECTOR (ROUND TYPE) (R-F) 12P
D3	6-502-598-01	s DI SML-D12U8WT86
D4	6-502-598-01	s DI SML-D12U8WT86
D5	6-502-598-01	s DI SML-D12U8WT86
D6	6-501-638-01	s DIODE CL-271HR-C-TSL
D7	6-501-638-01	s DIODE CL-271HR-C-TSL
D11	6-502-598-01	s DI SML-D12U8WT86
E1	1-780-431-11	o ON-BOARD CONTACT
E2	1-780-431-11	o ON-BOARD CONTACT
FB1	1-400-832-21	s SMD EMI FERRITE
FB2	1-400-832-21	s SMD EMI FERRITE
FB3	1-414-772-21	s FERRITE. EMI (SMD) (2012)
FB4	1-414-772-21	s FERRITE. EMI (SMD) (2012)
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
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
R1	1-208-875-81	s RES, CHIP 330 (1005)
R2	1-208-875-81	s RES, CHIP 330 (1005)
R3	1-208-875-81	s RES, CHIP 330 (1005)
R4	1-208-875-81	s RES, CHIP 330 (1005)
R5	1-208-875-81	s RES, CHIP 330 (1005)
R6	1-208-875-81	s RES, CHIP 330 (1005)
R7	1-208-875-81	s RES, CHIP 330 (1005)
R8	1-208-875-81	s RES, CHIP 330 (1005)
R9	1-208-875-81	s RES, CHIP 330 (1005)
R10	1-208-875-81	s RES, CHIP 330 (1005)
R13	1-208-871-81	s RES, CHIP 220 (1005)
R14	1-208-871-81	s RES, CHIP 220 (1005)
R15	1-208-875-81	s RES, CHIP 330 (1005)
R16	1-208-875-81	s RES, CHIP 330 (1005)
R17	1-208-875-81	s RES, CHIP 330 (1005)
R18	1-208-875-81	s RES, CHIP 330 (1005)
R19	1-208-875-81	s RES, CHIP 330 (1005)
R20	1-208-875-81	s RES, CHIP 330 (1005)

(CN-3282 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R21	1-208-875-81	s RES, CHIP 330 (1005)
R22	1-208-875-81	s RES, CHIP 330 (1005)
THP1	Δ 1-802-063-21	s THERMISTOR, POSITIVE
THP2	Δ 1-802-063-21	s THERMISTOR, POSITIVE

CN-3283 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1756-584-A	s MOUNTED CIRCUIT BOARD, CN-3283
C1	1-114-236-21	s CAP, CERAMIC 22MF B (3225)
C2	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C3	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C4	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
CN1	1-820-882-11	s CONNECTOR (RECEPTACLE), XLR
CN2	1-770-161-21	s PIN, CONNECTOR (PC BOARD) 6P
D1	8-719-083-83	s DI UDZSUSTE-1715B
D2	8-719-989-04	s DIODE DAN222-TL
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)
IC1	6-711-947-01	s IC MM1431CURE
IC2	8-759-338-95	s IC NJM2903V(Te2)
Q1	6-552-041-01	s TR SI4420BDY-T1
Q2	6-552-545-01	s TR SI4425DDY-T1-GE3
Q4	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q5	6-552-545-01	s TR SI4425DDY-T1-GE3
R1	1-208-911-81	s RES, CHIP 10K (1005)
R2	1-208-931-81	s RES, CHIP 68K (1005)
R3	1-208-911-81	s RES, CHIP 10K (1005)
R4	1-208-911-81	s RES, CHIP 10K (1005)
R5	1-208-911-81	s RES, CHIP 10K (1005)
R6	1-208-911-81	s RES, CHIP 10K (1005)
R7	1-208-915-81	s RES, CHIP 15K (1005)
R8	1-208-915-81	s RES, CHIP 15K (1005)
R9	1-218-990-81	s CONDUCTOR, CHIP (1005)
R10	1-208-903-81	s RES, CHIP 4.7K (1005)
R11	1-208-919-81	s RES, CHIP 22K (1005)
R12	1-208-919-81	s RES, CHIP 22K (1005)
R13	1-208-919-81	s RES, CHIP 22K (1005)
R14	1-208-911-81	s RES, CHIP 10K (1005)
R15	1-208-919-81	s RES, CHIP 22K (1005)
R16	1-208-915-81	s RES, CHIP 15K (1005)
R17	1-208-927-81	s RES, CHIP 47K (1005)
R19	1-208-919-81	s RES, CHIP 22K (1005)
R20	1-208-927-81	s RES, CHIP 47K (1005)
THP1	Δ 1-802-108-11	s THERMISTOR, POSITIVE
THP2	Δ 1-802-108-11	s THERMISTOR, POSITIVE

DPR-315 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1755-693-A	s MOUNTED CIRCUIT BOARD, DPR-315
C1	1-164-842-81	s CAP,CHIP CERAMIC 2.0PF CK 1005
C2	1-164-842-81	s CAP,CHIP CERAMIC 2.0PF CK 1005
C3	1-164-842-81	s CAP,CHIP CERAMIC 2.0PF CK 1005
C4	1-164-842-81	s CAP,CHIP CERAMIC 2.0PF CK 1005
C5	1-164-842-81	s CAP,CHIP CERAMIC 2.0PF CK 1005
C6	1-164-842-81	s CAP,CHIP CERAMIC 2.0PF CK 1005
C7	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C8	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C9	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C101	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C102	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C103	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C104	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C105	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C106	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C107	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C108	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C109	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C110	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C111	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C112	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C113	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C114	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C115	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C116	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C117	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C118	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C119	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C120	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C121	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C122	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C123	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C124	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C125	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C126	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C127	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C128	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C129	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C130	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C131	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C132	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C133	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C134	1-112-916-11	s CAP, NIOBIUM ELECT 47MF 105
C135	1-112-916-11	s CAP, NIOBIUM ELECT 47MF 105
C136	1-114-582-91	s CAP, CERAMIC 0.1MF B 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	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C140	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C141	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C143	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C144	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C145	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C146	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C148	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C149	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C150	1-112-717-91	s CAP, CERAMIC 1UF B (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
C151	1-100-055-21	s	CAP, CHIP CERAMIC 22MF B 3225
C152	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C153	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C154	1-100-055-21	s	CAP, CHIP CERAMIC 22MF B 3225
C155	1-114-548-11	s	CAP, NIOBIUM ELECT 22UF
C157	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C159	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C160	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C161	1-114-548-11	s	CAP, NIOBIUM ELECT 22UF
C162	1-114-548-11	s	CAP, NIOBIUM ELECT 22UF
C163	1-115-419-91	s	CAP,CHIP CERAMIC3300PF CH 2012
C165	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C167	1-164-936-81	s	CAP, CHIP CERAMIC 680PF B 1005
C168	1-164-882-81	s	CAP,CHIP CERAMIC 220PF CH 1005
C169	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C173	1-164-936-81	s	CAP, CHIP CERAMIC 680PF B 1005
C174	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C178	1-114-548-11	s	CAP, NIOBIUM ELECT 22UF
C180	1-100-055-21	s	CAP, CHIP CERAMIC 22MF B 3225
C181	1-164-936-81	s	CAP, CHIP CERAMIC 680PF B 1005
C182	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C183	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C184	1-164-936-81	s	CAP, CHIP CERAMIC 680PF B 1005
C185	1-114-548-11	s	CAP, NIOBIUM ELECT 22UF
C186	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C187	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C188	1-114-548-11	s	CAP, NIOBIUM ELECT 22UF
C194	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C195	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C196	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C197	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C198	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C199	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	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C208	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C209	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C210	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C211	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C212	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C213	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C214	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C215	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C216	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C217	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C218	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C219	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C220	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C221	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C222	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C223	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C224	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C225	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C226	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
C227	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C228	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C229	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C230	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF 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	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C235	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C236	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF 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	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C241	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C242	1-114-582-91	s	CAP, CERAMIC 0.1MF 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	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C247	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C248	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C249	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C250	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C251	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C252	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C253	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C254	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C255	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C256	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C257	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C258	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005
C259	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005
C260	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005
C261	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005
C262	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005
C263	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005
C264	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C265	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C266	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C267	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C268	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C269	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C270	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C271	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C272	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C273	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C274	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C275	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C276	1-165-884-91	s	CAP, CERAMIC 2.2MF (1608)
C277	1-165-884-91	s	CAP, CERAMIC 2.2MF (1608)
C278	1-165-884-91	s	CAP, CERAMIC 2.2MF (1608)
C279	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C280	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C281	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C282	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C283	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C284	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C285	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216

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Ref. No. or Q'ty	Part No.	SP	Description
C518	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C519	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	1-114-582-91	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	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C602	1-114-582-91	s	CAP, CERAMIC 0.1MF 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	1-114-582-91	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
C612	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C613	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C614	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C615	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C616	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C617	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C618	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C620	1-165-884-91	s	CAP, CERAMIC 2.2MF (1608)
C621	1-165-884-91	s	CAP, CERAMIC 2.2MF (1608)
C622	1-114-582-91	s	CAP, CERAMIC 0.1MF 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	1-114-582-91	s	CAP, CERAMIC 0.1MF 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
C633	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C634	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C635	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C636	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C637	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C640	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C642	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C643	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C644	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C645	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C646	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C647	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C648	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C649	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C650	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C651	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C652	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C653	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C654	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C655	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C656	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP	Description
C657	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C659	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C660	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C661	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C662	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C663	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C664	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C666	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C668	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C670	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C671	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C672	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C673	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C674	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C675	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C676	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C677	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C678	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C679	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C680	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C681	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C683	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C684	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C685	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C686	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C687	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C688	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C689	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C690	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C691	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C692	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C694	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C695	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C696	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C697	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C699	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C751	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C752	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C753	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C754	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C755	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C756	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C757	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C758	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C759	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C760	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C761	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C762	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
CN1	1-774-261-31	s	CONNECTOR, FFC/FPC(ZIF) AN 24P
CN601	1-784-254-21	s	CONNECTOR 10P
D100	8-719-083-60	s	DI UDZSUSTE-174.7B
D101	8-719-083-60	s	DI UDZSUSTE-174.7B
D102	8-719-989-01	s	DIODE DA221-TL
D103	8-719-074-31	s	DIODE CL-196YG-CD-T
D401	8-719-074-31	s	DIODE CL-196YG-CD-T
E1	1-535-877-22	s	CHIP, CHECKER
E100	1-535-877-22	s	CHIP, CHECKER
E101	1-535-877-22	s	CHIP, CHECKER

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Ref. No. or Q'ty	Part No.	SP	Description
E102	1-535-877-22	s	CHIP, CHECKER
E110	1-535-877-22	s	CHIP, CHECKER
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
ET6	1-780-627-11	s	TERMINAL, LUG
ET7	1-780-627-11	s	TERMINAL, LUG
ET8	1-780-627-11	s	TERMINAL, LUG
ET9	1-780-627-11	s	TERMINAL, LUG
ET10	1-780-627-11	s	TERMINAL, LUG
ET11	1-780-050-21	s	CONTACT, ON BOARD
ET12	1-780-050-21	s	CONTACT, ON BOARD
FB101	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB102	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB103	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB105	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB301	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB401	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB402	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB403	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB404	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB501	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB502	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB601	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB602	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB603	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB605	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB606	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB607	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB610	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB701	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB702	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FL201	1-813-542-11	s	FILTER, LOW PASS
FL202	1-813-542-11	s	FILTER, LOW PASS
FL203	1-813-542-11	s	FILTER, LOW PASS
IC100	6-712-135-01	o	IC R1173H001D-T1-FE
IC101	8-759-327-01	s	IC NJM062V(TE2)
IC102	6-712-135-01	o	IC R1173H001D-T1-FE
IC103	6-704-976-01	s	IC ADR381ARTZ-REEL7
IC104	6-712-135-01	o	IC R1173H001D-T1-FE
IC105	6-712-135-01	o	IC R1173H001D-T1-FE
IC106	6-701-572-01	s	IC TPS54610PWPR
IC107	6-712-135-01	o	IC R1173H001D-T1-FE
IC180	6-712-135-01	o	IC R1173H001D-T1-FE
IC201	6-706-863-01	s	IC LMH6732MPX/NOPB
IC202	6-706-863-01	s	IC LMH6732MPX/NOPB
IC203	6-706-863-01	s	IC LMH6732MPX/NOPB
IC204	6-713-965-01	s	IC LTC6406CUD#TR
IC205	6-713-965-01	s	IC LTC6406CUD#TR
IC206	6-713-965-01	s	IC LTC6406CUD#TR
IC207	6-714-228-01	s	IC LTC2259IUJ-14#TR-610
IC208	6-714-228-01	s	IC LTC2259IUJ-14#TR-610
IC209	6-714-228-01	s	IC LTC2259IUJ-14#TR-610
IC210	8-759-675-54	s	IC TC7W53FK(TE85R)
IC211	8-759-675-54	s	IC TC7W53FK(TE85R)

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Ref. No. or Q'ty	Part No.	SP Description
IC212	8-759-675-54	s IC TC7W53FK(TE85R)
IC213	8-759-327-01	s IC NJM062V(TE2)
IC214	8-759-327-01	s IC NJM062V(TE2)
IC215	6-707-884-01	s IC TC74VHCT04AFT(EKJ)
IC304	6-700-804-01	s IC SN74LVC574APWR
IC503	6-700-804-01	s IC SN74LVC574APWR
IC504	6-700-804-01	s IC SN74LVC574APWR
IC505	6-700-804-01	s IC SN74LVC574APWR
IC506	6-700-804-01	s IC SN74LVC574APWR
IC507	6-700-804-01	s IC SN74LVC574APWR
IC508	6-700-804-01	s IC SN74LVC574APWR
IC603	6-706-487-01	s IC TC7SH08FU
IC604	8-759-669-41	s IC SN74LVC125APWR-12
IC605	6-706-487-01	s IC TC7SH08FU
IC701	8-759-392-77	s IC SN74LVC245APWR
IC702	8-759-392-77	s IC SN74LVC245APWR
IC703	8-759-392-77	s IC SN74LVC245APWR
IC704	6-706-487-01	s IC TC7SH08FU
IC705	6-706-487-01	s IC TC7SH08FU
IC706	6-708-538-01	s IC CDCVF2510APWR
IC708	8-759-346-27	s IC LM45BIM3X
L100	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L102	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L106	1-416-344-21	s COIL, CHOKe 10UH
L107	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L108	1-416-344-21	s COIL, CHOKe 10UH
L110	1-414-392-41	s INDUCTOR (SMD) 1.0UH
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
L501	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L503	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L601	1-414-398-41	s INDUCTOR (SMD) 10.0UH
Q100	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q101	6-550-632-01	s TRANSISTOR 2SC4672-T100-Q
Q102	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q103	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q104	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q105	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q106	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q401	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
R104	1-208-919-81	s RES, CHIP 22K (1005)
R105	1-208-919-81	s RES, CHIP 22K (1005)
R106	1-218-941-81	s RES, CHIP 100 (1005)
R107	1-218-941-81	s RES, CHIP 100 (1005)
R108	1-242-967-81	s RES, CHIP 1.0 (1005)
R109	1-242-967-81	s RES, CHIP 1.0 (1005)
R110	1-242-967-81	s RES, CHIP 1.0 (1005)
R111	1-242-967-81	s RES, CHIP 1.0 (1005)
R112	1-242-967-81	s RES, CHIP 1.0 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R113	1-242-967-81	s RES, CHIP 1.0 (1005)
R114	1-242-967-81	s RES, CHIP 1.0 (1005)
R115	1-242-967-81	s RES, CHIP 1.0 (1005)
R116	1-218-990-81	s CONDUCTOR, CHIP (1005)
R117	1-208-871-81	s RES, CHIP 220 (1005)
R118	1-208-871-81	s RES, CHIP 220 (1005)
R119	1-208-919-81	s RES, CHIP 22K (1005)
R120	1-208-911-81	s RES, CHIP 10K (1005)
R121	1-208-919-81	s RES, CHIP 22K (1005)
R122	1-208-911-81	s RES, CHIP 10K (1005)
R123	1-208-927-81	s RES, CHIP 47K (1005)
R124	1-208-927-81	s RES, CHIP 47K (1005)
R125	1-208-927-81	s RES, CHIP 47K (1005)
R126	1-208-927-81	s RES, CHIP 47K (1005)
R127	1-208-927-81	s RES, CHIP 47K (1005)
R128	1-208-919-81	s RES, CHIP 22K (1005)
R132	1-208-911-81	s RES, CHIP 10K (1005)
R133	1-208-919-81	s RES, CHIP 22K (1005)
R134	1-208-911-81	s RES, CHIP 10K (1005)
R135	1-208-919-81	s RES, CHIP 22K (1005)
R138	1-208-911-81	s RES, CHIP 10K (1005)
R139	1-208-911-81	s RES, CHIP 10K (1005)
R140	1-208-911-81	s RES, CHIP 10K (1005)
R141	1-208-895-81	s RES, CHIP 2.2K (1005)
R142	1-208-895-81	s RES, CHIP 2.2K (1005)
R143	1-208-911-81	s RES, CHIP 10K (1005)
R144	1-218-977-81	s RES, CHIP 100K (1005)
R145	1-208-911-81	s RES, CHIP 10K (1005)
R146	1-218-990-81	s CONDUCTOR, CHIP (1005)
R147	1-208-919-81	s RES, CHIP 22K (1005)
R148	1-208-871-81	s RES, CHIP 220 (1005)
R149	1-208-895-81	s RES, CHIP 2.2K (1005)
R150	1-208-871-81	s RES, CHIP 220 (1005)
R152	1-220-230-91	s RES, SQUARE TYPE CHIP 2.2(3225)
R154	1-208-887-81	s RES, CHIP 1.0K (1005)
R155	1-208-911-81	s RES, CHIP 10K (1005)
R156	1-208-911-81	s RES, CHIP 10K (1005)
R158	1-208-901-81	s RES, CHIP 3.9K (1005)
R160	1-208-911-81	s RES, CHIP 10K (1005)
R162	1-208-911-81	s RES, CHIP 10K (1005)
R164	1-218-990-81	s CONDUCTOR, CHIP (1005)
R166	1-208-919-81	s RES, CHIP 22K (1005)
R167	1-208-927-81	s RES, CHIP 47K (1005)
R168	1-208-911-81	s RES, CHIP 10K (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	1-218-941-81	s RES, CHIP 100 (1005)
R175	1-208-895-81	s RES, CHIP 2.2K (1005)
R176	1-208-901-81	s RES, CHIP 3.9K (1005)
R177	1-218-941-81	s RES, CHIP 100 (1005)
R180	1-208-911-81	s RES, CHIP 10K (1005)
R181	1-208-895-81	s RES, CHIP 2.2K (1005)
R182	1-208-895-81	s RES, CHIP 2.2K (1005)
R183	1-208-887-81	s RES, CHIP 1.0K (1005)
R192	1-218-941-81	s RES, CHIP 100 (1005)
R193	1-218-941-81	s RES, CHIP 100 (1005)
R194	1-218-941-81	s RES, CHIP 100 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R195	1-218-941-81	s RES, CHIP 100 (1005)
R196	1-218-941-81	s RES, CHIP 100 (1005)
R197	1-218-941-81	s RES, CHIP 100 (1005)
R198	1-245-242-81	s RES, CHIP 1.5M (1005)
R200	1-245-242-81	s RES, CHIP 1.5M (1005)
R204	1-208-883-81	s RES, CHIP 680 (1005)
R205	1-208-883-81	s RES, CHIP 680 (1005)
R206	1-208-883-81	s RES, CHIP 680 (1005)
R207	1-208-911-81	s RES, CHIP 10K (1005)
R208	1-208-919-81	s RES, CHIP 22K (1005)
R209	1-208-911-81	s RES, CHIP 10K (1005)
R210	1-208-919-81	s RES, CHIP 22K (1005)
R211	1-208-911-81	s RES, CHIP 10K (1005)
R212	1-208-919-81	s RES, CHIP 22K (1005)
R213	1-208-883-81	s RES, CHIP 680 (1005)
R214	1-208-883-81	s RES, CHIP 680 (1005)
R215	1-208-883-81	s RES, CHIP 680 (1005)
R216	1-208-927-81	s RES, CHIP 47K (1005)
R217	1-208-905-81	s RES, CHIP 5.6K (1005)
R218	1-208-927-81	s RES, CHIP 47K (1005)
R219	1-208-905-81	s RES, CHIP 5.6K (1005)
R220	1-208-927-81	s RES, CHIP 47K (1005)
R221	1-208-905-81	s RES, CHIP 5.6K (1005)
R222	1-218-937-81	s RES, CHIP 47 (1005)
R223	1-218-937-81	s RES, CHIP 47 (1005)
R224	1-218-937-81	s RES, CHIP 47 (1005)
R225	1-208-895-81	s RES, CHIP 2.2K (1005)
R226	1-208-895-81	s RES, CHIP 2.2K (1005)
R227	1-208-895-81	s RES, CHIP 2.2K (1005)
R228	1-208-885-81	s RES, CHIP 820 (1005)
R229	1-218-977-81	s RES, CHIP 100K (1005)
R230	1-208-885-81	s RES, CHIP 820 (1005)
R231	1-218-977-81	s RES, CHIP 100K (1005)
R232	1-208-885-81	s RES, CHIP 820 (1005)
R233	1-218-977-81	s RES, CHIP 100K (1005)
R234	1-208-875-81	s RES, CHIP 330 (1005)
R235	1-208-875-81	s RES, CHIP 330 (1005)
R236	1-208-875-81	s RES, CHIP 330 (1005)
R237	1-208-903-81	s RES, CHIP 4.7K (1005)
R238	1-208-903-81	s RES, CHIP 4.7K (1005)
R239	1-208-903-81	s RES, CHIP 4.7K (1005)
R240	1-208-883-81	s RES, CHIP 680 (1005)
R241	1-245-242-81	s RES, CHIP 1.5M (1005)
R242	1-208-883-81	s RES, CHIP 680 (1005)
R243	1-245-242-81	s RES, CHIP 1.5M (1005)
R244	1-208-883-81	s RES, CHIP 680 (1005)
R245	1-245-242-81	s RES, CHIP 1.5M (1005)
R246	1-208-887-81	s RES, CHIP 1.0K (1005)
R247	1-208-887-81	s RES, CHIP 1.0K (1005)
R248	1-208-887-81	s RES, CHIP 1.0K (1005)
R249	1-208-879-81	s RES, CHIP 470 (1005)
R250	1-208-879-81	s RES, CHIP 470 (1005)
R251	1-208-879-81	s RES, CHIP 470 (1005)
R252	1-208-879-81	s RES, CHIP 470 (1005)
R253	1-208-879-81	s RES, CHIP 470 (1005)
R254	1-208-879-81	s RES, CHIP 470 (1005)
R255	1-208-875-81	s RES, CHIP 330 (1005)
R256	1-208-875-81	s RES, CHIP 330 (1005)
R257	1-208-875-81	s RES, CHIP 330 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R258	1-208-875-81	s RES, CHIP 330 (1005)
R259	1-208-875-81	s RES, CHIP 330 (1005)
R260	1-208-875-81	s RES, CHIP 330 (1005)
R261	1-220-882-81	s RES, CHIP 33 (1005)
R262	1-220-882-81	s RES, CHIP 33 (1005)
R263	1-220-882-81	s RES, CHIP 33 (1005)
R264	1-220-882-81	s RES, CHIP 33 (1005)
R265	1-220-882-81	s RES, CHIP 33 (1005)
R266	1-220-882-81	s RES, CHIP 33 (1005)
R267	1-218-941-81	s RES, CHIP 100 (1005)
R268	1-218-941-81	s RES, CHIP 100 (1005)
R269	1-218-941-81	s RES, CHIP 100 (1005)
R270	1-218-941-81	s RES, CHIP 100 (1005)
R271	1-218-941-81	s RES, CHIP 100 (1005)
R272	1-218-941-81	s RES, CHIP 100 (1005)
R273	1-218-941-81	s RES, CHIP 100 (1005)
R274	1-218-941-81	s RES, CHIP 100 (1005)
R275	1-218-941-81	s RES, CHIP 100 (1005)
R276	1-218-941-81	s RES, CHIP 100 (1005)
R277	1-218-941-81	s RES, CHIP 100 (1005)
R278	1-218-941-81	s RES, CHIP 100 (1005)
R279	1-218-941-81	s RES, CHIP 100 (1005)
R280	1-218-941-81	s RES, CHIP 100 (1005)
R281	1-218-941-81	s RES, CHIP 100 (1005)
R282	1-218-990-81	s CONDUCTOR, CHIP (1005)
R283	1-218-990-81	s CONDUCTOR, CHIP (1005)
R284	1-218-990-81	s CONDUCTOR, CHIP (1005)
R285	1-208-911-81	s RES, CHIP 10K (1005)
R286	1-208-911-81	s RES, CHIP 10K (1005)
R287	1-208-911-81	s RES, CHIP 10K (1005)
R288	1-208-911-81	s RES, CHIP 10K (1005)
R289	1-208-911-81	s RES, CHIP 10K (1005)
R290	1-208-911-81	s RES, CHIP 10K (1005)
R291	1-208-911-81	s RES, CHIP 10K (1005)
R292	1-208-911-81	s RES, CHIP 10K (1005)
R293	1-208-911-81	s RES, CHIP 10K (1005)
R294	1-218-941-81	s RES, CHIP 100 (1005)
R295	1-218-941-81	s RES, CHIP 100 (1005)
R296	1-218-941-81	s RES, CHIP 100 (1005)
R297	1-218-941-81	s RES, CHIP 100 (1005)
R298	1-218-941-81	s RES, CHIP 100 (1005)
R299	1-218-941-81	s RES, CHIP 100 (1005)
R300	1-245-242-81	s RES, CHIP 1.5M (1005)
R301	1-218-941-81	s RES, CHIP 100 (1005)
R302	1-218-941-81	s RES, CHIP 100 (1005)
R303	1-218-941-81	s RES, CHIP 100 (1005)
R304	1-218-941-81	s RES, CHIP 100 (1005)
R305	1-218-941-81	s RES, CHIP 100 (1005)
R306	1-218-941-81	s RES, CHIP 100 (1005)
R307	1-218-941-81	s RES, CHIP 100 (1005)
R308	1-218-941-81	s RES, CHIP 100 (1005)
R309	1-218-941-81	s RES, CHIP 100 (1005)
R310	1-218-937-81	s RES, CHIP 47 (1005)
R311	1-218-941-81	s RES, CHIP 100 (1005)
R312	1-218-937-81	s RES, CHIP 47 (1005)
R313	1-218-937-81	s RES, CHIP 47 (1005)
R314	1-218-937-81	s RES, CHIP 47 (1005)
R315	1-218-937-81	s RES, CHIP 47 (1005)
R316	1-218-941-81	s RES, CHIP 100 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R317	1-218-937-81 s	RES, CHIP 47 (1005)
R318	1-218-937-81 s	RES, CHIP 47 (1005)
R319	1-218-937-81 s	RES, CHIP 47 (1005)
R320	1-218-937-81 s	RES, CHIP 47 (1005)
R321	1-218-937-81 s	RES, CHIP 47 (1005)
R322	1-218-937-81 s	RES, CHIP 47 (1005)
R323	1-218-941-81 s	RES, CHIP 100 (1005)
R324	1-218-937-81 s	RES, CHIP 47 (1005)
R325	1-218-937-81 s	RES, CHIP 47 (1005)
R326	1-218-941-81 s	RES, CHIP 100 (1005)
R327	1-220-878-81 s	RES, CHIP 22 (1005)
R328	1-220-878-81 s	RES, CHIP 22 (1005)
R329	1-218-941-81 s	RES, CHIP 100 (1005)
R330	1-218-941-81 s	RES, CHIP 100 (1005)
R331	1-220-878-81 s	RES, CHIP 22 (1005)
R332	1-220-878-81 s	RES, CHIP 22 (1005)
R333	1-220-878-81 s	RES, CHIP 22 (1005)
R334	1-220-878-81 s	RES, CHIP 22 (1005)
R335	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R336	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R337	1-220-878-81 s	RES, CHIP 22 (1005)
R338	1-220-878-81 s	RES, CHIP 22 (1005)
R342	1-218-937-81 s	RES, CHIP 47 (1005)
R343	1-218-937-81 s	RES, CHIP 47 (1005)
R344	1-218-937-81 s	RES, CHIP 47 (1005)
R345	1-218-937-81 s	RES, CHIP 47 (1005)
R401	1-218-941-81 s	RES, CHIP 100 (1005)
R402	1-218-941-81 s	RES, CHIP 100 (1005)
R403	1-218-941-81 s	RES, CHIP 100 (1005)
R404	1-218-941-81 s	RES, CHIP 100 (1005)
R405	1-218-941-81 s	RES, CHIP 100 (1005)
R406	1-218-941-81 s	RES, CHIP 100 (1005)
R407	1-218-937-81 s	RES, CHIP 47 (1005)
R408	1-218-941-81 s	RES, CHIP 100 (1005)
R409	1-218-941-81 s	RES, CHIP 100 (1005)
R410	1-218-941-81 s	RES, CHIP 100 (1005)
R411	1-218-941-81 s	RES, CHIP 100 (1005)
R413	1-208-871-81 s	RES, CHIP 220 (1005)
R414	1-218-941-81 s	RES, CHIP 100 (1005)
R415	1-218-941-81 s	RES, CHIP 100 (1005)
R416	1-218-941-81 s	RES, CHIP 100 (1005)
R417	1-208-911-81 s	RES, CHIP 10K (1005)
R418	1-208-911-81 s	RES, CHIP 10K (1005)
R419	1-208-911-81 s	RES, CHIP 10K (1005)
R420	1-208-911-81 s	RES, CHIP 10K (1005)
R421	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R422	1-218-937-81 s	RES, CHIP 47 (1005)
R423	1-208-927-81 s	RES, CHIP 47K (1005)
R425	1-208-927-81 s	RES, CHIP 47K (1005)
R426	1-218-941-81 s	RES, CHIP 100 (1005)
R427	1-208-911-81 s	RES, CHIP 10K (1005)
R428	1-208-911-81 s	RES, CHIP 10K (1005)
R429	1-208-887-81 s	RES, CHIP 1.0K (1005)
R431	1-208-911-81 s	RES, CHIP 10K (1005)
R433	1-208-911-81 s	RES, CHIP 10K (1005)
R434	1-218-941-81 s	RES, CHIP 100 (1005)
R440	1-218-941-81 s	RES, CHIP 100 (1005)
R501	1-220-878-81 s	RES, CHIP 22 (1005)
R502	1-220-878-81 s	RES, CHIP 22 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R503	1-220-878-81 s	RES, CHIP 22 (1005)
R504	1-220-878-81 s	RES, CHIP 22 (1005)
R505	1-220-878-81 s	RES, CHIP 22 (1005)
R506	1-220-878-81 s	RES, CHIP 22 (1005)
R507	1-220-878-81 s	RES, CHIP 22 (1005)
R508	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R509	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R512	1-220-878-81 s	RES, CHIP 22 (1005)
R513	1-220-878-81 s	RES, CHIP 22 (1005)
R514	1-220-878-81 s	RES, CHIP 22 (1005)
R515	1-220-878-81 s	RES, CHIP 22 (1005)
R601	1-208-911-81 s	RES, CHIP 10K (1005)
R602	1-208-911-81 s	RES, CHIP 10K (1005)
R603	1-208-911-81 s	RES, CHIP 10K (1005)
R604	1-208-911-81 s	RES, CHIP 10K (1005)
R605	1-208-911-81 s	RES, CHIP 10K (1005)
R606	1-220-878-81 s	RES, CHIP 22 (1005)
R607	1-220-878-81 s	RES, CHIP 22 (1005)
R608	1-220-878-81 s	RES, CHIP 22 (1005)
R609	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R611	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R614	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R616	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R617	1-208-911-81 s	RES, CHIP 10K (1005)
R618	1-220-878-81 s	RES, CHIP 22 (1005)
R619	1-220-878-81 s	RES, CHIP 22 (1005)
R620	1-220-878-81 s	RES, CHIP 22 (1005)
R621	1-220-878-81 s	RES, CHIP 22 (1005)
R622	1-218-941-81 s	RES, CHIP 100 (1005)
R623	1-218-941-81 s	RES, CHIP 100 (1005)
R624	1-208-927-81 s	RES, CHIP 47K (1005)
R625	1-218-941-81 s	RES, CHIP 100 (1005)
R626	1-220-878-81 s	RES, CHIP 22 (1005)
R627	1-218-941-81 s	RES, CHIP 100 (1005)
R628	1-218-941-81 s	RES, CHIP 100 (1005)
R629	1-220-878-81 s	RES, CHIP 22 (1005)
R630	1-220-878-81 s	RES, CHIP 22 (1005)
R631	1-220-878-81 s	RES, CHIP 22 (1005)
R632	1-220-878-81 s	RES, CHIP 22 (1005)
R701	1-208-895-81 s	RES, CHIP 2.2K (1005)
R702	1-220-878-81 s	RES, CHIP 22 (1005)
R703	1-218-937-81 s	RES, CHIP 47 (1005)
R704	1-208-871-81 s	RES, CHIP 220 (1005)
R706	1-208-927-81 s	RES, CHIP 47K (1005)
R707	1-208-927-81 s	RES, CHIP 47K (1005)
R708	1-218-941-81 s	RES, CHIP 100 (1005)
R709	1-220-878-81 s	RES, CHIP 22 (1005)
R710	1-220-878-81 s	RES, CHIP 22 (1005)
R711	1-220-878-81 s	RES, CHIP 22 (1005)
R712	1-218-937-81 s	RES, CHIP 47 (1005)
R713	1-218-937-81 s	RES, CHIP 47 (1005)
R714	1-218-937-81 s	RES, CHIP 47 (1005)
R715	1-220-878-81 s	RES, CHIP 22 (1005)
R716	1-220-878-81 s	RES, CHIP 22 (1005)
R717	1-218-937-81 s	RES, CHIP 47 (1005)
R718	1-218-937-81 s	RES, CHIP 47 (1005)
R719	1-218-937-81 s	RES, CHIP 47 (1005)
R720	1-208-887-81 s	RES, CHIP 1.0K (1005)
R721	1-208-887-81 s	RES, CHIP 1.0K (1005)

(DPR-315 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description		
RB433	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB434	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB435	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB436	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB437	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB438	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB439	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB440	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB441	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB501	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB502	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB503	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB504	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB505	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB506	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB507	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB508	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB509	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB510	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB511	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB512	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB513	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB514	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB515	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB516	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB517	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB518	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB519	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB520	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB521	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB522	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB523	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB524	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB525	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB526	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB527	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB528	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB529	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB530	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB531	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB532	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB533	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB534	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB535	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB536	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB537	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB538	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB539	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB540	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB541	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB542	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB543	1-234-371-21	s	RES, NETWORK	47	(1005X4)
RB544	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB545	1-234-371-21	s	RES, NETWORK	47	(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	1-234-372-21	s	RES, NETWORK	100	(1005X4)
RB705	1-234-380-21	s	RES, NETWORK	47K	(1005X4)

(DPR-315 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RB706	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB707	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB708	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB709	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB710	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB711	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB712	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB714	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB715	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB716	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB717	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB718	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB719	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB720	1-234-371-21	s RES, NETWORK 47 (1005X4)
THP100	Δ 1-804-616-21	s THERMISTOR, POSITIVE
THP101	Δ 1-804-616-21	s THERMISTOR, POSITIVE
THP102	Δ 1-804-616-21	s THERMISTOR, POSITIVE
THP103	Δ 1-804-458-21	s THERMISTOR, POSITIVE
THP104	Δ 1-804-616-21	s THERMISTOR, POSITIVE
THP105	Δ 1-804-616-21	s THERMISTOR, POSITIVE
TP701	1-535-877-22	s CHIP, CHECKER
TP702	1-535-877-22	s CHIP, CHECKER
TP703	1-535-877-22	s CHIP, CHECKER

DPR-316 BOARD (suffix 11)

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1755-694-A	s MOUNTED CIRCUIT BOARD, DPR-316
8pcs	3-637-901-11	s SCREW M2.6X5
C101	1-112-298-91	o CAP, CERAMIC 1MF B (1608)
C104	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C105	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C107	1-112-298-91	o CAP, CERAMIC 1MF B (1608)
C108	1-112-298-91	o CAP, CERAMIC 1MF B (1608)
C109	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C110	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C111	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C112	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C113	1-112-298-91	o CAP, CERAMIC 1MF B (1608)
C114	1-112-298-91	o CAP, CERAMIC 1MF B (1608)
C115	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C116	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C117	1-112-298-91	o CAP, CERAMIC 1MF B (1608)
C118	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C119	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C120	1-112-298-91	o CAP, CERAMIC 1MF B (1608)
C121	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C122	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C123	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C124	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C125	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C126	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C127	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C131	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C134	1-112-916-11	s CAP, NIOBIUM ELECT 47MF 105
C135	1-112-916-11	s CAP, NIOBIUM ELECT 47MF 105
C139	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C140	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C141	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C144	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C146	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C147	1-119-923-81	s CAP, CERAMIC 0.047MF B 1005
C148	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C151	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C153	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C154	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C157	1-119-923-81	s CAP, CERAMIC 0.047MF B 1005
C160	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C162	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C163	1-115-419-91	s CAP,CHIP CERAMIC3300PF CH 2012
C165	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C167	1-164-936-81	s CAP, CHIP CERAMIC 680PF B 1005
C168	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C169	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C173	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C174	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C178	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C180	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C183	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C185	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C186	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C187	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C188	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C202	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C209	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005

(DPR-316 BOARD (suffix 11))

Ref. No. or Q'ty	Part No.	SP Description
C210	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C211	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C212	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C213	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C300	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C301	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C302	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C303	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C304	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C305	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C306	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C307	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 1005
C308	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C309	1-164-860-81	s CAP, CHIP CERAMIC 27PF CH 1005
C310	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C311	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 1005
C312	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C313	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C314	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C316	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C317	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C318	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C319	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C320	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C321	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C322	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C323	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C324	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C325	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C326	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C327	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C328	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C329	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C330	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C331	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C332	1-164-860-81	s CAP, CHIP CERAMIC 27PF CH 1005
C333	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C334	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C335	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C336	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C337	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C338	1-164-936-81	s CAP, CHIP CERAMIC 680PF B 1005
C339	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C345	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C346	1-164-936-81	s CAP, CHIP CERAMIC 680PF B 1005
C401	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C402	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C403	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C404	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C405	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C406	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C407	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C408	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C409	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C410	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C411	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C412	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C413	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C414	1-112-815-91	s CAP, CERAMIC 10MF C (1608)

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Ref. No. or Q'ty	Part No.	SP Description
C501	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C502	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C503	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C504	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C505	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C506	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C507	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C508	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C509	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C510	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C511	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C512	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C513	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C514	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C515	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C516	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C517	1-114-172-91	s CAP, CERAMIC 2.2MF C (1005)
C518	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C519	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C520	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C521	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C522	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C523	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C524	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C525	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C526	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C527	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C601	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C602	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C603	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C604	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C605	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C615	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C616	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C617	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C618	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C619	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C620	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C621	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C622	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C623	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C624	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C625	1-114-549-11	s CAP, NIOBIUM ELECT 47UF
C626	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C627	1-114-549-11	s CAP, NIOBIUM ELECT 47UF
C628	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C629	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C630	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C631	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C632	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C633	1-127-950-21	s CAP, CHIP FILM 0.01MF (2012)
C634	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C635	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C636	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C637	1-127-950-21	s CAP, CHIP FILM 0.01MF (2012)
C638	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C639	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C640	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C643	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C648	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C650	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C653	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C664	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C670	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C671	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C701	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C702	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C703	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C704	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C705	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C706	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C707	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C708	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C709	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C710	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C711	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C712	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C713	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C714	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C715	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C716	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C717	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C718	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C719	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C720	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C721	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C722	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C723	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C724	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C725	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C726	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C727	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C728	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C729	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C730	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C731	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C732	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C733	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C734	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C735	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C736	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C737	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C738	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C739	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C740	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C741	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C802	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C804	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C806	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C807	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C808	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C809	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C810	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C811	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C812	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C813	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C814	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C815	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C816	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C817	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C818	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C819	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C820	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C821	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C822	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C824	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C825	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C828	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C829	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C831	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C833	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C835	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C836	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C837	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C838	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C839	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C840	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C841	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C842	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C843	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C844	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C845	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C846	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C847	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C848	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C849	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C850	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C851	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C853	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C854	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C857	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C858	1-112-746-91	s CAP, CERAMIC 4.7MF B (1608)
C859	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C860	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C901	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C902	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C903	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C904	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C905	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C907	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C908	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C909	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C910	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C911	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C912	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C913	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C914	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C915	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C916	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C917	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C918	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C919	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C920	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C921	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C922	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C923	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C924	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C925	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C926	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C927	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C928	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C929	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C930	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 1005
C931	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C932	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C934	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C935	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C936	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C938	1-114-582-91	o CAP, CERAMIC 0.1MF B 1005
C940	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 1005
C941	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C942	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C943	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C944	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C945	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C946	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
CN301	1-793-324-11	o CONNECTOR, COAXIAL (BNC TYPE)
CN701	1-770-627-21	s PIN, CONNECTOR 10P
CN801	1-793-324-11	o CONNECTOR, COAXIAL (BNC TYPE)
CN802	1-793-324-11	o CONNECTOR, COAXIAL (BNC TYPE)
CN901	1-793-324-11	o CONNECTOR, COAXIAL (BNC TYPE)
D100	8-719-083-60	s DI UDZSUSTE-174.7B
D101	8-719-083-60	s DI UDZSUSTE-174.7B
D102	8-719-989-01	s DIODE DA221-TL
D103	8-719-074-31	s DIODE CL-196YG-CD-T
D601	8-719-989-01	s DIODE DA221-TL
D602	8-719-989-01	s DIODE DA221-TL
D605	8-719-989-01	s DIODE DA221-TL
D606	8-719-989-01	s DIODE DA221-TL
E100	1-535-877-22	s CHIP, CHECKER
E101	1-535-877-22	s CHIP, CHECKER
E102	1-535-877-22	s CHIP, CHECKER
FB101	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB102	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB103	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB105	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB401	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB501	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB503	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB701	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)
FB801	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB802	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB803	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB804	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB805	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB806	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB807	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB808	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB809	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB810	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB811	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB812	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB813	1-469-094-21	s FERRITE, EMI (SMD) (1608)

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Ref. No. or Q'ty	Part No.	SP Description
FB814	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB815	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB816	1-469-094-21	s FERRITE, EMI (SMD) (1608)
IC101	8-759-327-01	s IC NJM062V (TE2)
IC102	6-712-135-01	o IC R1173H001D-T1-F
IC103	6-704-976-01	s IC ADR381ARTZ-REEL7
IC105	6-712-135-01	o IC R1173H001D-T1-F
IC106	6-701-572-01	s IC TPS54610PWR
IC180	6-712-135-01	o IC R1173H001D-T1-F
IC202	8-759-346-27	s IC LM45BM3X
IC203	6-707-850-01	s IC TC74LCX245FT (EKJ)
IC204	6-707-850-01	s IC TC74LCX245FT (EKJ)
IC205	6-707-850-01	s IC TC74LCX245FT (EKJ)
IC206	6-706-487-01	s IC TC7SH08FU (T5RSOYJF)
IC301	8-759-561-46	s IC AD8014ARTZ-REEL7
IC302	8-759-184-65	s IC TC4W66FU (TE12R)
IC303	6-700-186-01	s IC GS4981ITA
IC304	8-759-327-14	s IC TL712CPSR
IC305	8-759-327-14	s IC TL712CPSR
IC306	8-759-561-46	s IC AD8014ARTZ-REEL7
IC307	6-706-484-01	s IC TC7SH04FU (T5RSOYJF)
IC308	8-759-549-01	s IC SN74LV125APWR
IC324	8-759-663-35	s IC 74VHC4053MTCX
IC325	8-759-669-66	s IC TLC272CPWR-12
IC326	8-759-669-66	s IC TLC272CPWR-12
IC401	6-701-499-01	s IC SN74LVC821APWR
IC402	6-701-499-01	s IC SN74LVC821APWR
IC601	8-759-831-52	s IC TC7WH125FK (TE85R)
IC605	8-759-831-52	s IC TC7WH125FK (TE85R)
IC606	8-759-831-52	s IC TC7WH125FK (TE85R)
IC608	8-759-276-25	s IC TLC272CPSR
IC609	6-706-478-01	s IC TC7SET08FU (T5RSOJF)
IC610	6-706-478-01	s IC TC7SET08FU (T5RSOJF)
IC611	6-706-478-01	s IC TC7SET08FU (T5RSOJF)
IC612	6-706-478-01	s IC TC7SET08FU (T5RSOJF)
IC617	8-759-485-24	s IC MC74HC4046ADTR2
IC618	8-759-485-24	s IC MC74HC4046ADTR2
IC619	8-759-675-54	s IC TC7W53FK (TE85R)
IC620	8-759-675-54	s IC TC7W53FK (TE85R)
IC621	8-759-675-54	s IC TC7W53FK (TE85R)
IC622	6-702-787-01	s IC UPD6467GR-525-E2
IC623	6-702-787-01	s IC UPD6467GR-525-E2
IC624	8-759-680-48	s IC TC7WH157FK (TE85R)
IC625	8-759-675-47	s IC SN74LVC04APWR
IC627	8-759-831-52	s IC TC7WH125FK (TE85R)
IC628	6-706-484-01	s IC TC7SH04FU (T5RSOYJF)
IC674	6-708-277-01	s IC CDCVF25081PWR
IC704	6-706-487-01	s IC TC7SH08FU (T5RSOYJF)
IC705	6-706-487-01	s IC TC7SH08FU (T5RSOYJF)
IC706	6-706-487-01	s IC TC7SH08FU (T5RSOYJF)
IC707	6-706-487-01	s IC TC7SH08FU (T5RSOYJF)
IC801	6-712-905-01	o IC GS1572-IBE3
IC802	6-712-905-01	o IC GS1572-IBE3
IC803	8-759-592-42	s IC TC7SZ00FU (TE85R)
IC804	8-759-592-42	s IC TC7SZ00FU (TE85R)
IC901	6-707-997-01	s IC ADV7320KSTZ
IC903	8-759-561-46	s IC AD8014ARTZ-REEL7
IC904	6-704-350-01	s IC SN74LVC1G66DCKR

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Ref. No. or Q'ty	Part No.	SP Description
IC905	6-704-350-01	s IC SN74LVC1G66DCKR
IC907	8-759-561-46	s IC AD8014ARTZ-REEL7
IC908	8-759-592-42	s IC TC7SZ00FU(TE85R)
IC909	6-706-478-01	s IC TC7SET08FU(T5RSQJF)
L101	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L102	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L103	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L104	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L106	1-416-344-21	s COIL, CHOKE 10UH
L107	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L108	1-416-344-21	s COIL, CHOKE 10UH
L300	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L301	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L302	1-412-947-21	s INDUCTOR 4.7UH (2520)
L303	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L304	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L305	1-412-947-21	s INDUCTOR 4.7UH (2520)
L306	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L307	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L308	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L501	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L503	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L601	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L608	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L609	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L610	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L611	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L612	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L613	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L614	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L615	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L618	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L701	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L801	1-414-837-21	s INDUCTOR, CHIP 5.6NH (1005)
L802	1-414-837-21	s INDUCTOR, CHIP 5.6NH (1005)
L851	1-414-837-21	s INDUCTOR, CHIP 5.6NH (1005)
L852	1-414-837-21	s INDUCTOR, CHIP 5.6NH (1005)
L901	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L902	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L904	1-412-947-21	s INDUCTOR 4.7UH (2520)
L905	1-412-947-21	s INDUCTOR 4.7UH (2520)
L906	1-412-947-21	s INDUCTOR 4.7UH (2520)
L907	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L908	1-412-939-21	s INDUCTOR 1.0UH (2520)
Q100	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q101	6-550-632-01	s TRANSISTOR 2SC4672-T100-Q
Q102	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q103	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q104	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q105	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q106	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q300	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q301	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q303	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q310	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q601	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q602	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q603	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q604	8-729-928-25	s TRANSISTOR 2SA1774TL-QR

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Ref. No. or Q'ty	Part No.	SP Description
Q605	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q606	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q607	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q608	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q901	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q902	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q904	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q905	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
R101	1-208-911-81	s RES, CHIP 10K (1005)
R102	1-208-935-81	s RES, CHIP 100K (1005)
R104	1-208-919-81	s RES, CHIP 22K (1005)
R107	1-208-863-81	s RES, CHIP 100 (1005)
R109	1-242-967-81	s RES, CHIP 1.0 (1005)
R111	1-242-967-81	s RES, CHIP 1.0 (1005)
R112	1-242-967-81	s RES, CHIP 1.0 (1005)
R113	1-242-967-81	s RES, CHIP 1.0 (1005)
R114	1-242-967-81	s RES, CHIP 1.0 (1005)
R115	1-242-967-81	s RES, CHIP 1.0 (1005)
R116	1-218-990-81	s CONDUCTOR, CHIP (1005)
R117	1-208-871-81	s RES, CHIP 220 (1005)
R118	1-208-871-81	s RES, CHIP 220 (1005)
R121	1-208-919-81	s RES, CHIP 22K (1005)
R122	1-208-911-81	s RES, CHIP 10K (1005)
R123	1-208-927-81	s RES, CHIP 47K (1005)
R124	1-208-927-81	s RES, CHIP 47K (1005)
R125	1-208-927-81	s RES, CHIP 47K (1005)
R126	1-208-927-81	s RES, CHIP 47K (1005)
R127	1-208-927-81	s RES, CHIP 47K (1005)
R128	1-208-919-81	s RES, CHIP 22K (1005)
R132	1-208-911-81	s RES, CHIP 10K (1005)
R133	1-208-919-81	s RES, CHIP 22K (1005)
R134	1-208-911-81	s RES, CHIP 10K (1005)
R135	1-208-919-81	s RES, CHIP 22K (1005)
R136	1-208-933-81	s RES, CHIP 82K (1005)
R140	1-208-911-81	s RES, CHIP 10K (1005)
R148	1-208-895-81	s RES, CHIP 2.2K (1005)
R149	1-208-895-81	s RES, CHIP 2.2K (1005)
R150	1-208-911-81	s RES, CHIP 10K (1005)
R152	1-220-230-91	s RES,SQUARE TYPE CHIP 2.2(3225)
R154	1-208-887-81	s RES, CHIP 1.0K (1005)
R155	1-208-911-81	s RES, CHIP 10K (1005)
R156	1-208-891-81	s RES, CHIP 1.5K (1005)
R158	1-208-863-81	s RES, CHIP 100 (1005)
R160	1-208-911-81	s RES, CHIP 10K (1005)
R162	1-208-919-81	s RES, CHIP 22K (1005)
R164	1-208-905-81	s RES, CHIP 5.6K (1005)
R166	1-208-919-81	s RES, CHIP 22K (1005)
R167	1-208-927-81	s RES, CHIP 47K (1005)
R168	1-208-911-81	s RES, CHIP 10K (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	1-208-863-81	s RES, CHIP 100 (1005)
R175	1-208-899-81	s RES, CHIP 3.3K (1005)
R177	1-208-863-81	s RES, CHIP 100 (1005)
R180	1-208-911-81	s RES, CHIP 10K (1005)
R181	1-208-895-81	s RES, CHIP 2.2K (1005)

(DPR-316 BOARD (suffix 11))

Ref. No. or Q'ty	Part No.	SP Description
R201	1-208-855-81 s	RES, CHIP 47 (1005)
R202	1-208-855-81 s	RES, CHIP 47 (1005)
R203	1-208-863-81 s	RES, CHIP 100 (1005)
R204	1-208-855-81 s	RES, CHIP 47 (1005)
R205	1-208-863-81 s	RES, CHIP 100 (1005)
R206	1-208-863-81 s	RES, CHIP 100 (1005)
R207	1-208-927-81 s	RES, CHIP 47K (1005)
R208	1-208-927-81 s	RES, CHIP 47K (1005)
R209	1-208-863-81 s	RES, CHIP 100 (1005)
R210	1-208-855-81 s	RES, CHIP 47 (1005)
R211	1-208-855-81 s	RES, CHIP 47 (1005)
R212	1-208-927-81 s	RES, CHIP 47K (1005)
R219	1-208-855-81 s	RES, CHIP 47 (1005)
R220	1-208-855-81 s	RES, CHIP 47 (1005)
R221	1-208-887-81 s	RES, CHIP 1.0K (1005)
R222	1-208-887-81 s	RES, CHIP 1.0K (1005)
R301	1-208-860-81 s	RES, CHIP 75 (1005)
R302	1-208-863-81 s	RES, CHIP 100 (1005)
R303	1-208-863-81 s	RES, CHIP 100 (1005)
R304	1-208-903-81 s	RES, CHIP 4.7K (1005)
R305	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	1-208-899-81 s	RES, CHIP 3.3K (1005)
R310	1-208-863-81 s	RES, CHIP 100 (1005)
R311	1-208-903-81 s	RES, CHIP 4.7K (1005)
R312	1-208-879-81 s	RES, CHIP 470 (1005)
R313	1-208-887-81 s	RES, CHIP 1.0K (1005)
R317	1-208-879-81 s	RES, CHIP 470 (1005)
R318	1-208-863-81 s	RES, CHIP 100 (1005)
R319	1-208-891-81 s	RES, CHIP 1.5K (1005)
R321	1-208-903-81 s	RES, CHIP 4.7K (1005)
R323	1-208-863-81 s	RES, CHIP 100 (1005)
R324	1-208-863-81 s	RES, CHIP 100 (1005)
R326	1-208-899-81 s	RES, CHIP 3.3K (1005)
R327	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)
R330	1-208-863-81 s	RES, CHIP 100 (1005)
R331	1-208-955-81 s	RES, CHIP 680K (1005)
R332	1-208-863-81 s	RES, CHIP 100 (1005)
R333	1-208-855-81 s	RES, CHIP 47 (1005)
R334	1-208-863-81 s	RES, CHIP 100 (1005)
R335	1-208-863-81 s	RES, CHIP 100 (1005)
R336	1-208-955-81 s	RES, CHIP 680K (1005)
R337	1-208-947-81 s	RES, CHIP 330K (1005)
R339	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R340	1-208-927-81 s	RES, CHIP 47K (1005)
R341	1-208-875-81 s	RES, CHIP 330 (1005)
R342	1-208-871-81 s	RES, CHIP 220 (1005)
R343	1-208-855-81 s	RES, CHIP 47 (1005)
R344	1-208-887-81 s	RES, CHIP 1.0K (1005)
R345	1-220-878-81 s	RES, CHIP 22 (1005)
R346	1-208-903-81 s	RES, CHIP 4.7K (1005)
R347	1-208-863-81 s	RES, CHIP 100 (1005)
R349	1-208-855-81 s	RES, CHIP 47 (1005)
R350	1-208-911-81 s	RES, CHIP 10K (1005)
R352	1-208-911-81 s	RES, CHIP 10K (1005)
R360	1-208-863-81 s	RES, CHIP 100 (1005)

(DPR-316 BOARD (suffix 11))

Ref. No. or Q'ty	Part No.	SP Description
R361	1-208-863-81 s	RES, CHIP 100 (1005)
R362	1-208-863-81 s	RES, CHIP 100 (1005)
R363	1-208-863-81 s	RES, CHIP 100 (1005)
R364	1-208-855-81 s	RES, CHIP 47 (1005)
R365	1-208-855-81 s	RES, CHIP 47 (1005)
R366	1-208-903-81 s	RES, CHIP 4.7K (1005)
R367	1-208-891-81 s	RES, CHIP 1.5K (1005)
R368	1-208-855-81 s	RES, CHIP 47 (1005)
R369	1-208-895-81 s	RES, CHIP 2.2K (1005)
R370	1-208-855-81 s	RES, CHIP 47 (1005)
R401	1-220-878-81 s	RES, CHIP 22 (1005)
R402	1-220-878-81 s	RES, CHIP 22 (1005)
R403	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R404	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R405	1-208-863-81 s	RES, CHIP 100 (1005)
R406	1-220-878-81 s	RES, CHIP 22 (1005)
R407	1-208-855-81 s	RES, CHIP 47 (1005)
R408	1-220-878-81 s	RES, CHIP 22 (1005)
R409	1-208-855-81 s	RES, CHIP 47 (1005)
R410	1-220-878-81 s	RES, CHIP 22 (1005)
R411	1-208-855-81 s	RES, CHIP 47 (1005)
R412	1-208-855-81 s	RES, CHIP 47 (1005)
R413	1-208-863-81 s	RES, CHIP 100 (1005)
R414	1-208-863-81 s	RES, CHIP 100 (1005)
R415	1-208-855-81 s	RES, CHIP 47 (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)
R420	1-220-878-81 s	RES, CHIP 22 (1005)
R421	1-208-855-81 s	RES, CHIP 47 (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	1-208-855-81 s	RES, CHIP 47 (1005)
R426	1-208-855-81 s	RES, CHIP 47 (1005)
R427	1-220-878-81 s	RES, CHIP 22 (1005)
R428	1-208-927-81 s	RES, CHIP 47K (1005)
R430	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R431	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R432	1-208-855-81 s	RES, CHIP 47 (1005)
R433	1-208-855-81 s	RES, CHIP 47 (1005)
R434	1-208-863-81 s	RES, CHIP 100 (1005)
R435	1-208-855-81 s	RES, CHIP 47 (1005)
R436	1-208-855-81 s	RES, CHIP 47 (1005)
R437	1-208-863-81 s	RES, CHIP 100 (1005)
R501	1-220-878-81 s	RES, CHIP 22 (1005)
R502	1-208-855-81 s	RES, CHIP 47 (1005)
R503	1-208-855-81 s	RES, CHIP 47 (1005)
R504	1-208-863-81 s	RES, CHIP 100 (1005)
R505	1-208-863-81 s	RES, CHIP 100 (1005)
R601	1-208-863-81 s	RES, CHIP 100 (1005)
R602	1-208-863-81 s	RES, CHIP 100 (1005)
R603	1-208-863-81 s	RES, CHIP 100 (1005)
R604	1-208-863-81 s	RES, CHIP 100 (1005)
R605	1-208-863-81 s	RES, CHIP 100 (1005)
R606	1-208-863-81 s	RES, CHIP 100 (1005)
R607	1-208-863-81 s	RES, CHIP 100 (1005)
R608	1-208-863-81 s	RES, CHIP 100 (1005)
R609	1-208-863-81 s	RES, CHIP 100 (1005)

(DPR-316 BOARD (suffix 11))

Ref. No. or Q'ty	Part No.	SP Description
R610	1-208-863-81 s	RES, CHIP 100 (1005)
R611	1-220-878-81 s	RES, CHIP 22 (1005)
R612	1-220-878-81 s	RES, CHIP 22 (1005)
R613	1-208-895-81 s	RES, CHIP 2.2K (1005)
R614	1-208-895-81 s	RES, CHIP 2.2K (1005)
R615	1-208-895-81 s	RES, CHIP 2.2K (1005)
R616	1-208-895-81 s	RES, CHIP 2.2K (1005)
R617	1-208-863-81 s	RES, CHIP 100 (1005)
R618	1-208-927-81 s	RES, CHIP 47K (1005)
R619	1-208-927-81 s	RES, CHIP 47K (1005)
R620	1-208-915-81 s	RES, CHIP 15K (1005)
R621	1-208-863-81 s	RES, CHIP 100 (1005)
R622	1-208-911-81 s	RES, CHIP 10K (1005)
R623	1-208-895-81 s	RES, CHIP 2.2K (1005)
R624	1-208-895-81 s	RES, CHIP 2.2K (1005)
R625	1-208-935-81 s	RES, CHIP 100K (1005)
R626	1-208-927-81 s	RES, CHIP 47K (1005)
R627	1-208-895-81 s	RES, CHIP 2.2K (1005)
R628	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R629	1-208-927-81 s	RES, CHIP 47K (1005)
R630	1-208-927-81 s	RES, CHIP 47K (1005)
R631	1-208-911-81 s	RES, CHIP 10K (1005)
R632	1-208-887-81 s	RES, CHIP 1.0K (1005)
R633	1-208-863-81 s	RES, CHIP 100 (1005)
R634	1-208-863-81 s	RES, CHIP 100 (1005)
R635	1-208-927-81 s	RES, CHIP 47K (1005)
R636	1-220-870-81 s	RES, CHIP 10 (1005)
R637	1-220-870-81 s	RES, CHIP 10 (1005)
R638	1-208-895-81 s	RES, CHIP 2.2K (1005)
R639	1-208-863-81 s	RES, CHIP 100 (1005)
R640	1-208-911-81 s	RES, CHIP 10K (1005)
R641	1-208-911-81 s	RES, CHIP 10K (1005)
R642	1-208-927-81 s	RES, CHIP 47K (1005)
R643	1-208-927-81 s	RES, CHIP 47K (1005)
R644	1-208-911-81 s	RES, CHIP 10K (1005)
R645	1-208-911-81 s	RES, CHIP 10K (1005)
R646	1-208-887-81 s	RES, CHIP 1.0K (1005)
R647	1-208-903-81 s	RES, CHIP 4.7K (1005)
R648	1-208-895-81 s	RES, CHIP 2.2K (1005)
R649	1-208-911-81 s	RES, CHIP 10K (1005)
R650	1-208-911-81 s	RES, CHIP 10K (1005)
R652	1-208-863-81 s	RES, CHIP 100 (1005)
R654	1-208-863-81 s	RES, CHIP 100 (1005)
R656	1-208-863-81 s	RES, CHIP 100 (1005)
R657	1-208-863-81 s	RES, CHIP 100 (1005)
R658	1-208-863-81 s	RES, CHIP 100 (1005)
R659	1-208-863-81 s	RES, CHIP 100 (1005)
R660	1-220-878-81 s	RES, CHIP 22 (1005)
R661	1-220-878-81 s	RES, CHIP 22 (1005)
R662	1-208-863-81 s	RES, CHIP 100 (1005)
R663	1-208-911-81 s	RES, CHIP 10K (1005)
R665	1-208-855-81 s	RES, CHIP 47 (1005)
R669	1-208-927-81 s	RES, CHIP 47K (1005)
R671	1-220-878-81 s	RES, CHIP 22 (1005)
R673	1-220-878-81 s	RES, CHIP 22 (1005)
R675	1-220-878-81 s	RES, CHIP 22 (1005)
R676	1-218-989-81 s	RES, CHIP 1M
R677	1-208-887-81 s	RES, CHIP 1.0K (1005)
R680	1-208-863-81 s	RES, CHIP 100 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R682	1-208-927-81 s	RES, CHIP 47K (1005)
R685	1-208-927-81 s	RES, CHIP 47K (1005)
R686	1-208-927-81 s	RES, CHIP 47K (1005)
R687	1-208-863-81 s	RES, CHIP 100 (1005)
R689	1-208-855-81 s	RES, CHIP 47 (1005)
R690	1-220-878-81 s	RES, CHIP 22 (1005)
R691	1-220-878-81 s	RES, CHIP 22 (1005)
R692	1-220-878-81 s	RES, CHIP 22 (1005)
R693	1-220-878-81 s	RES, CHIP 22 (1005)
R694	1-208-863-81 s	RES, CHIP 100 (1005)
R695	1-208-863-81 s	RES, CHIP 100 (1005)
R697	1-208-871-81 s	RES, CHIP 220 (1005)
R699	1-220-878-81 s	RES, CHIP 22 (1005)
R701	1-208-863-81 s	RES, CHIP 100 (1005)
R702	1-208-863-81 s	RES, CHIP 100 (1005)
R703	1-208-927-81 s	RES, CHIP 47K (1005)
R704	1-208-863-81 s	RES, CHIP 100 (1005)
R705	1-208-911-81 s	RES, CHIP 10K (1005)
R706	1-220-878-81 s	RES, CHIP 22 (1005)
R707	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R709	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R711	1-208-911-81 s	RES, CHIP 10K (1005)
R712	1-208-911-81 s	RES, CHIP 10K (1005)
R714	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R715	1-208-911-81 s	RES, CHIP 10K (1005)
R716	1-208-855-81 s	RES, CHIP 47 (1005)
R717	1-208-855-81 s	RES, CHIP 47 (1005)
R718	1-208-855-81 s	RES, CHIP 47 (1005)
R719	1-208-855-81 s	RES, CHIP 47 (1005)
R720	1-220-878-81 s	RES, CHIP 22 (1005)
R722	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R723	1-208-911-81 s	RES, CHIP 10K (1005)
R724	1-208-887-81 s	RES, CHIP 1.0K (1005)
R725	1-208-863-81 s	RES, CHIP 100 (1005)
R726	1-208-863-81 s	RES, CHIP 100 (1005)
R727	1-220-878-81 s	RES, CHIP 22 (1005)
R728	1-220-878-81 s	RES, CHIP 22 (1005)
R729	1-220-878-81 s	RES, CHIP 22 (1005)
R791	1-220-878-81 s	RES, CHIP 22 (1005)
R797	1-208-855-81 s	RES, CHIP 47 (1005)
R798	1-208-855-81 s	RES, CHIP 47 (1005)
R799	1-220-878-81 s	RES, CHIP 22 (1005)
R801	1-220-870-81 s	RES, CHIP 10 (1005)
R802	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R803	1-208-863-81 s	RES, CHIP 100 (1005)
R805	1-208-911-81 s	RES, CHIP 10K (1005)
R806	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R807	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R808	1-208-887-81 s	RES, CHIP 1.0K (1005)
R809	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R810	1-208-887-81 s	RES, CHIP 1.0K (1005)
R812	1-220-878-81 s	RES, CHIP 22 (1005)
R813	1-208-887-81 s	RES, CHIP 1.0K (1005)
R814	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R815	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R816	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R817	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R818	1-208-887-81 s	RES, CHIP 1.0K (1005)
R819	1-218-990-81 s	CONDUCTOR, CHIP (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R820	1-208-887-81	s RES, CHIP 1.0K (1005)
R821	1-208-883-81	s RES, CHIP 680 (1005)
R822	1-208-863-81	s RES, CHIP 100 (1005)
R823	1-208-860-81	s RES, CHIP 75 (1005)
R824	1-208-860-81	s RES, CHIP 75 (1005)
R825	1-208-860-81	s RES, CHIP 75 (1005)
R826	1-208-860-81	s RES, CHIP 75 (1005)
R827	1-208-860-81	s RES, CHIP 75 (1005)
R828	1-220-870-81	s RES, CHIP 10 (1005)
R829	1-218-990-81	s CONDUCTOR, CHIP (1005)
R830	1-208-863-81	s RES, CHIP 100 (1005)
R832	1-208-911-81	s RES, CHIP 10K (1005)
R833	1-218-990-81	s CONDUCTOR, CHIP (1005)
R834	1-218-990-81	s CONDUCTOR, CHIP (1005)
R835	1-208-887-81	s RES, CHIP 1.0K (1005)
R836	1-218-990-81	s CONDUCTOR, CHIP (1005)
R837	1-208-887-81	s RES, CHIP 1.0K (1005)
R839	1-220-878-81	s RES, CHIP 22 (1005)
R840	1-208-887-81	s RES, CHIP 1.0K (1005)
R841	1-218-990-81	s CONDUCTOR, CHIP (1005)
R842	1-218-990-81	s CONDUCTOR, CHIP (1005)
R843	1-218-990-81	s CONDUCTOR, CHIP (1005)
R844	1-218-990-81	s CONDUCTOR, CHIP (1005)
R845	1-208-887-81	s RES, CHIP 1.0K (1005)
R846	1-218-990-81	s CONDUCTOR, CHIP (1005)
R847	1-208-887-81	s RES, CHIP 1.0K (1005)
R848	1-208-883-81	s RES, CHIP 680 (1005)
R849	1-208-863-81	s RES, CHIP 100 (1005)
R850	1-208-860-81	s RES, CHIP 75 (1005)
R851	1-208-860-81	s RES, CHIP 75 (1005)
R852	1-208-860-81	s RES, CHIP 75 (1005)
R853	1-208-860-81	s RES, CHIP 75 (1005)
R854	1-208-860-81	s RES, CHIP 75 (1005)
R855	1-208-863-81	s RES, CHIP 100 (1005)
R856	1-208-863-81	s RES, CHIP 100 (1005)
R857	1-208-863-81	s RES, CHIP 100 (1005)
R858	1-208-863-81	s RES, CHIP 100 (1005)
R859	1-208-863-81	s RES, CHIP 100 (1005)
R860	1-208-863-81	s RES, CHIP 100 (1005)
R901	1-208-855-81	s RES, CHIP 47 (1005)
R902	1-208-935-81	s RES, CHIP 100K (1005)
R903	1-208-895-81	s RES, CHIP 2.2K (1005)
R904	1-208-895-81	s RES, CHIP 2.2K (1005)
R905	1-208-887-81	s RES, CHIP 1.0K (1005)
R906	1-208-903-81	s RES, CHIP 4.7K (1005)
R907	1-208-887-81	s RES, CHIP 1.0K (1005)
R908	1-208-903-81	s RES, CHIP 4.7K (1005)
R909	1-208-883-81	s RES, CHIP 680 (1005)
R910	1-218-990-81	s CONDUCTOR, CHIP (1005)
R911	1-208-899-81	s RES, CHIP 3.3K (1005)
R912	1-218-990-81	s CONDUCTOR, CHIP (1005)
R913	1-208-875-81	s RES, CHIP 330 (1005)
R914	1-208-903-81	s RES, CHIP 4.7K (1005)
R915	1-208-863-81	s RES, CHIP 100 (1005)
R916	1-208-879-81	s RES, CHIP 470 (1005)
R919	1-208-903-81	s RES, CHIP 4.7K (1005)
R920	1-208-883-81	s RES, CHIP 680 (1005)
R921	1-208-883-81	s RES, CHIP 680 (1005)
R922	1-208-863-81	s RES, CHIP 100 (1005)

(DPR-316 BOARD (suffix 11))

Ref. No. or Q'ty	Part No.	SP Description
R923	1-208-903-81	s RES, CHIP 4.7K (1005)
R924	1-220-878-81	s RES, CHIP 22 (1005)
R925	1-208-903-81	s RES, CHIP 4.7K (1005)
R927	1-208-887-81	s RES, CHIP 1.0K (1005)
R928	1-218-990-81	s CONDUCTOR, CHIP (1005)
R929	1-208-911-81	s RES, CHIP 10K (1005)
R930	1-208-887-81	s RES, CHIP 1.0K (1005)
R931	1-208-911-81	s RES, CHIP 10K (1005)
R932	1-208-879-81	s RES, CHIP 470 (1005)
R933	1-208-860-81	s RES, CHIP 75 (1005)
R934	1-208-855-81	s RES, CHIP 47 (1005)
R935	1-208-855-81	s RES, CHIP 47 (1005)
R936	1-208-855-81	s RES, CHIP 47 (1005)
R937	1-208-855-81	s RES, CHIP 47 (1005)
R938	1-208-903-81	s RES, CHIP 4.7K (1005)
R939	1-220-878-81	s RES, CHIP 22 (1005)
R940	1-220-878-81	s RES, CHIP 22 (1005)
R941	1-208-903-81	s RES, CHIP 4.7K (1005)
R942	1-220-878-81	s RES, CHIP 22 (1005)
R944	1-208-899-81	s RES, CHIP 3.3K (1005)
R945	1-208-887-81	s RES, CHIP 1.0K (1005)
R948	1-218-990-81	s CONDUCTOR, CHIP (1005)
R949	1-208-911-81	s RES, CHIP 10K (1005)
R951	1-208-887-81	s RES, CHIP 1.0K (1005)
R954	1-208-911-81	s RES, CHIP 10K (1005)
R955	1-208-879-81	s RES, CHIP 470 (1005)
R956	1-208-860-81	s RES, CHIP 75 (1005)
R957	1-208-860-81	s RES, CHIP 75 (1005)
R958	1-208-855-81	s RES, CHIP 47 (1005)
R959	1-208-863-81	s RES, CHIP 100 (1005)
R960	1-208-863-81	s RES, CHIP 100 (1005)
R961	1-208-879-81	s RES, CHIP 470 (1005)
R962	1-218-990-81	s CONDUCTOR, CHIP (1005)
R963	1-208-875-81	s RES, CHIP 330 (1005)
RB201	1-234-380-21	s RES, NETWORK 47K (1005X4)
RB202	1-234-380-21	s RES, NETWORK 47K (1005X4)
RB203	1-234-380-21	s RES, NETWORK 47K (1005X4)
RB204	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB205	1-234-380-21	s RES, NETWORK 47K (1005X4)
RB206	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB207	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB208	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB209	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB210	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB212	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB216	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB217	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB218	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB220	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB401	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB402	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB403	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB404	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB405	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB406	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB407	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB408	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB409	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB410	1-234-371-21	s RES, NETWORK 47 (1005X4)

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Ref. No. or Q'ty	Part No.	SP	Description
RB411	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB412	1-234-371-21	s	RES, NETWORK 47 (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	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB419	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB420	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB421	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB422	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB423	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB424	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB425	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB501	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB502	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB503	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB504	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB505	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB506	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB507	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB508	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB509	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB510	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB511	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB512	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB513	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB514	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB515	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB516	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB517	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB518	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB519	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB520	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB521	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB627	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB628	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB629	1-234-380-21	s	RES, NETWORK 47K (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)
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)
RB810	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB811	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB901	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB902	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB903	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB904	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB905	1-234-371-21	s	RES, NETWORK 47 (1005X4)
S601	1-692-881-41	s	SWITCH, SLIDE
THP101	Δ 1-804-616-21	s	THERMISTOR, POSITIVE
THP102	Δ 1-804-616-21	s	THERMISTOR, POSITIVE
THP103	Δ 1-804-458-21	s	THERMISTOR, POSITIVE

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Ref. No. or Q'ty	Part No.	SP	Description
THP104	Δ 1-804-616-21	s	THERMISTOR, POSITIVE
THP105	Δ 1-804-616-21	s	THERMISTOR, POSITIVE
TP201	1-535-877-22	s	CHIP, CHECKER
TP301	1-535-877-22	s	CHIP, CHECKER
TP601	1-535-877-22	s	CHIP, CHECKER
TP602	1-535-877-22	s	CHIP, CHECKER
X601	1-795-670-12	s	OSCILLATOR, CRYSTAL (VCXO) 3.3V
X602	1-795-671-12	s	OSCILLATOR, CRYSTAL (VCXO) 3.3V
X604	1-795-764-12	s	OSCILLATOR, CRYSTAL (VCXO) 5V
X801	1-814-162-11	s	OSCILLATOR (VCO)
X802	1-814-162-11	s	OSCILLATOR (VCO)

DPR-316 BOARD (suffix 12, 13)

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1755-694-B	s MOUNTED CIRCUIT BOARD, DPR-316
8pcs	3-637-901-11	s SCREW M2.6X5
C101	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C104	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C105	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C107	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C108	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C109	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C110	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C111	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C112	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C113	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C114	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C115	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C116	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C117	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C118	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C119	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C120	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C121	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C122	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C123	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C124	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C125	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C126	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C127	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C131	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C134	1-112-916-11	s CAP, NIOBIUM ELECT 47MF 105
C135	1-112-916-11	s CAP, NIOBIUM ELECT 47MF 105
C139	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C140	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C141	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C144	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C146	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C147	1-119-923-81	s CAP, CERAMIC 0.047MF B 1005
C148	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C151	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C153	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C154	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C157	1-119-923-81	s CAP, CERAMIC 0.047MF B 1005
C160	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C162	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C163	1-115-419-91	s CAP,CHIP CERAMIC3300PF CH 2012
C165	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C167	1-164-936-81	s CAP, CHIP CERAMIC 680PF B 1005
C168	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C169	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C173	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C174	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C178	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C180	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C183	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C185	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C186	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C187	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C188	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C202	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C209	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C210	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C211	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C212	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C213	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C300	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C301	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C302	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C303	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C304	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C305	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C306	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C307	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 1005
C308	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C309	1-164-860-81	s CAP, CHIP CERAMIC 27PF CH 1005
C310	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C311	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 1005
C312	1-114-582-91	s CAP, CERAMIC 0.1MF 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
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	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C319	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C320	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C321	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C323	1-118-035-11	o CAP, CERAMIC 0.1MF X5R (1005)
C324	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C326	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C327	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C328	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C329	1-114-214-81	s CAP,CHIP CERAMIC470PF CH1005
C330	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C331	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C332	1-164-860-81	s CAP, CHIP CERAMIC 27PF CH 1005
C333	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C334	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C335	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C336	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C337	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C338	1-164-936-81	s CAP, CHIP CERAMIC 680PF B 1005
C339	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C345	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C346	1-164-936-81	s CAP, CHIP CERAMIC 680PF B 1005
C347	1-116-720-11	o CAP, CERAMIC 10MF X5R 1608
C348	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C349	1-118-035-11	o CAP, CERAMIC 0.1MF X5R (1005)
C350	1-118-035-11	o CAP, CERAMIC 0.1MF X5R (1005)
C401	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C402	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C403	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C404	1-114-582-91	s CAP, CERAMIC 0.1MF 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	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
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	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C413	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C414	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C501	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C502	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C503	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C504	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C505	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C506	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C507	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C508	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C509	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C510	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C511	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C512	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C513	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C514	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C515	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C516	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C517	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C518	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C519	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C520	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C521	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C522	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C523	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C524	1-114-582-91 s	CAP, CERAMIC 0.1MF 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	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C601	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C602	1-114-582-91 s	CAP, CERAMIC 0.1MF 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	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C615	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C616	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C617	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C618	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C619	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C620	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C621	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C622	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C623	1-127-956-21 s	CAP, CHIP FILM 0.1MF (3225)
C624	1-127-956-21 s	CAP, CHIP FILM 0.1MF (3225)
C625	1-114-549-11 s	CAP, NIOBIUM ELECT 47UF
C626	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C627	1-114-549-11 s	CAP, NIOBIUM ELECT 47UF
C628	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C629	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C630	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C631	1-127-956-21 s	CAP, CHIP FILM 0.1MF (3225)
C632	1-127-956-21 s	CAP, CHIP FILM 0.1MF (3225)
C633	1-127-950-21 s	CAP, CHIP FILM 0.01MF (2012)
C634	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C635	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C636	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C637	1-127-950-21 s	CAP, CHIP FILM 0.01MF (2012)
C638	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C639	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)

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Ref. No. or Q'ty	Part No.	SP Description
C640	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C643	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C648	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C650	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C653	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C664	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C670	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C671	1-114-582-91 s	CAP, CERAMIC 0.1MF 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	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C704	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C705	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C706	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C707	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C708	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C709	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C710	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C711	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C712	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C713	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C714	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C715	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C716	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C717	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C718	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C719	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C720	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C721	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C722	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C723	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C724	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C725	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C726	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C727	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
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	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C731	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C732	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C733	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C734	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C735	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C736	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C737	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C738	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C739	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C740	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C741	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C801	1-118-391-11 s	CAP, CERAMIC 0.01MF X7R 1005
C802	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C803	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C804	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C806	1-118-391-11 s	CAP, CERAMIC 0.01MF X7R 1005
C807	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C808	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C809	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C810	1-116-720-11 o	CAP, CERAMIC 10MF X5R 1608
C811	1-118-391-11 s	CAP, CERAMIC 0.01MF X7R 1005

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Ref. No. or Q'ty	Part No.	SP	Description
C812	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C813	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C814	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C815	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C816	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C817	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C818	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C819	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C820	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C821	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C822	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C824	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C825	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C826	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C827	1-116-720-11	o	CAP, CERAMIC 10MF X5R 1608
C828	1-112-746-91	s	CAP, CERAMIC 4.7MF B (1608)
C829	1-112-746-91	s	CAP, CERAMIC 4.7MF B (1608)
C830	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C831	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C832	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C833	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C835	1-116-720-11	o	CAP, CERAMIC 10MF X5R 1608
C836	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C837	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C838	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C839	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C840	1-116-720-11	o	CAP, CERAMIC 10MF X5R 1608
C841	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C842	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C843	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C844	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C845	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C846	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C847	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C848	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C849	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C850	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C851	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C853	1-116-720-11	o	CAP, CERAMIC 10MF X5R 1608
C854	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C855	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C856	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C857	1-112-746-91	s	CAP, CERAMIC 4.7MF B (1608)
C858	1-112-746-91	s	CAP, CERAMIC 4.7MF B (1608)
C859	1-118-391-11	s	CAP, CERAMIC 0.01MF X7R 1005
C860	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C861	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C901	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C902	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C903	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C904	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C905	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
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	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C911	1-100-581-81	s	CAP,CHIP CERAMIC0.0047MF B1005
C912	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C913	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)

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Ref. No. or Q'ty	Part No.	SP	Description
C914	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C915	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C916	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C917	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C918	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C919	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C920	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C921	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C922	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C923	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C924	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C925	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C926	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C927	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C928	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C929	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C930	1-164-862-81	s	CAP, CHIP CERAMIC 33PF CH 1005
C931	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C932	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C934	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C935	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C936	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C938	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C940	1-164-862-81	s	CAP, CHIP CERAMIC 33PF CH 1005
C941	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C942	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C943	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C944	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C945	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C946	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
CN301	1-793-324-21	s	CONNECTOR, COAXIAL (BNC TYPE)
CN701	1-770-627-21	s	PIN, CONNECTOR 10P
CN801	1-793-324-21	s	CONNECTOR, COAXIAL (BNC TYPE)
CN802	1-793-324-21	s	CONNECTOR, COAXIAL (BNC TYPE)
CN901	1-793-324-21	s	CONNECTOR, COAXIAL (BNC TYPE)
D100	8-719-083-60	s	DI UDZSUSTE-174.7B
D101	8-719-083-60	s	DI UDZSUSTE-174.7B
D102	8-719-989-01	s	DIODE DA221-TL
D103	8-719-074-31	s	DIODE CL-196YG-CD-T
D601	8-719-989-01	s	DIODE DA221-TL
D602	8-719-989-01	s	DIODE DA221-TL
D605	8-719-989-01	s	DIODE DA221-TL
D606	8-719-989-01	s	DIODE DA221-TL
E100	1-535-877-22	s	CHIP, CHECKER
E101	1-535-877-22	s	CHIP, CHECKER
E102	1-535-877-22	s	CHIP, CHECKER
FB101	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB102	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB103	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB105	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB401	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB501	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB503	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB701	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)
FB801	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB802	1-469-094-21	s	FERRITE, EMI (SMD) (1608)

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Ref. No. or Q'ty	Part No.	SP Description
FB803	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB804	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB805	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB806	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB807	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB808	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB809	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB810	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB811	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB812	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB813	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB814	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
IC101	8-759-327-01 s	IC NJM062V(TE2)
IC102	6-712-135-01 o	IC R1173H001D-T1-FE
IC103	6-704-976-01 s	IC ADR381ARTZ-REEL7
IC105	6-712-135-01 o	IC R1173H001D-T1-FE
IC106	6-701-572-01 s	IC TPS54610PWR
IC180	6-712-135-01 o	IC R1173H001D-T1-FE
IC202	8-759-346-27 s	IC LM45BIM3X
IC203	6-707-850-01 s	IC TC74LCX245FT(EKJ)
IC204	6-707-850-01 s	IC TC74LCX245FT(EKJ)
IC205	6-707-850-01 s	IC TC74LCX245FT(EKJ)
IC206	6-706-487-01 s	IC TC7SH08FU
IC301	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC303	6-712-902-01 s	IC LMH1980MM
IC304	8-759-327-14 s	IC TL712CPSR
IC305	8-759-327-14 s	IC TL712CPSR
IC306	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC307	6-706-484-01 s	IC TC7SH04FU
IC308	8-759-549-01 s	IC SN74LV125APWR
IC324	8-759-523-02 s	IC TC74HC4053AFT(EL)
IC325	8-759-669-66 s	IC TLC272CPWR-12
IC326	8-759-669-66 s	IC TLC272CPWR-12
IC327	6-706-487-01 s	IC TC7SH08FU
IC328	6-706-487-01 s	IC TC7SH08FU
IC401	6-701-499-01 s	IC SN74LVC821APWR
IC402	6-701-499-01 s	IC SN74LVC821APWR
IC601	8-759-831-52 s	IC TC7WH125FK
IC605	8-759-831-52 s	IC TC7WH125FK
IC606	8-759-831-52 s	IC TC7WH125FK
IC608	8-759-276-25 s	IC TLC272CPSR
IC609	6-706-478-01 s	IC TC7SET08FU
IC610	6-706-478-01 s	IC TC7SET08FU
IC611	6-706-478-01 s	IC TC7SET08FU
IC612	6-706-478-01 s	IC TC7SET08FU
IC617	8-759-485-24 s	IC MC74HC4046ADTR2
IC618	8-759-485-24 s	IC MC74HC4046ADTR2
IC619	8-759-675-54 s	IC TC7W53FK(TB85R)
IC620	8-759-675-54 s	IC TC7W53FK(TB85R)
IC621	8-759-675-54 s	IC TC7W53FK(TB85R)
IC622	6-702-787-01 s	IC UPD6467GR-525-E2
IC623	6-702-787-01 s	IC UPD6467GR-525-E2
IC624	8-759-680-48 s	IC TC7WH157FK
IC625	8-759-675-47 s	IC SN74LVC04APWR
IC627	8-759-831-52 s	IC TC7WH125FK
IC628	6-706-484-01 s	IC TC7SH04FU
IC674	6-708-277-01 s	IC CDCVF25081PWR
IC704	6-706-487-01 s	IC TC7SH08FU

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Ref. No. or Q'ty	Part No.	SP Description
IC705	6-706-487-01 s	IC TC7SH08FU
IC706	6-706-487-01 s	IC TC7SH08FU
IC707	6-706-487-01 s	IC TC7SH08FU
IC801	6-718-685-01 s	IC GS2972-IBE3
IC802	6-718-685-01 s	IC GS2972-IBE3
IC804	6-706-482-01 s	IC TC7SH00FU
IC901	6-707-997-01 s	IC ADV7320KSTZ
IC903	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC904	6-704-350-01 s	IC SN74LVC1G66DCKR
IC905	6-704-350-01 s	IC SN74LVC1G66DCKR
IC907	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC908	6-706-482-01 s	IC TC7SH00FU
IC909	6-706-478-01 s	IC TC7SET08FU
L101	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L102	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L103	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L104	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L106	1-416-344-21 s	COIL, CHOKE 10UH
L107	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L108	1-416-344-21 s	COIL, CHOKE 10UH
L300	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L301	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L302	1-412-947-21 s	INDUCTOR 4.7UH (2520)
L303	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L304	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L305	1-412-947-21 s	INDUCTOR 4.7UH (2520)
L306	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L307	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L308	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L501	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L503	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L601	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L608	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L609	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L610	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L611	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L612	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L613	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L614	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L615	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L618	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L701	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L801	1-414-838-21 s	INDUCTOR, CHIP 6.8NH (1005)
L802	1-414-838-21 s	INDUCTOR, CHIP 6.8NH (1005)
L851	1-414-838-21 s	INDUCTOR, CHIP 6.8NH (1005)
L852	1-414-838-21 s	INDUCTOR, CHIP 6.8NH (1005)
L901	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L902	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L904	1-412-947-21 s	INDUCTOR 4.7UH (2520)
L905	1-412-947-21 s	INDUCTOR 4.7UH (2520)
L906	1-412-947-21 s	INDUCTOR 4.7UH (2520)
L907	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L908	1-412-939-21 s	INDUCTOR 1.0UH (2520)
Q100	6-550-631-01 s	TRANSISTOR 2SA1797-T100-Q
Q101	6-550-632-01 s	TRANSISTOR 2SC4672-T100-Q
Q102	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q103	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q104	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR

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Ref. No. or Q'ty	Part No.	SP	Description
Q105	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q106	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q300	8-729-928-25	s	TRANSISTOR 2SA1774TL-QR
Q301	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q303	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q310	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q311	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q601	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q602	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q603	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q604	8-729-928-25	s	TRANSISTOR 2SA1774TL-QR
Q605	8-729-928-25	s	TRANSISTOR 2SA1774TL-QR
Q606	8-729-928-25	s	TRANSISTOR 2SA1774TL-QR
Q607	8-729-928-25	s	TRANSISTOR 2SA1774TL-QR
Q608	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q901	8-729-928-25	s	TRANSISTOR 2SA1774TL-QR
Q902	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q904	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q905	8-729-928-25	s	TRANSISTOR 2SA1774TL-QR
R101	1-208-911-81	s	RES, CHIP 10K (1005)
R104	1-208-919-81	s	RES, CHIP 22K (1005)
R107	1-208-863-81	s	RES, CHIP 100 (1005)
R109	1-242-967-81	s	RES, CHIP 1.0 (1005)
R111	1-242-967-81	s	RES, CHIP 1.0 (1005)
R112	1-242-967-81	s	RES, CHIP 1.0 (1005)
R113	1-242-967-81	s	RES, CHIP 1.0 (1005)
R114	1-242-967-81	s	RES, CHIP 1.0 (1005)
R115	1-242-967-81	s	RES, CHIP 1.0 (1005)
R116	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R117	1-208-871-81	s	RES, CHIP 220 (1005)
R118	1-208-871-81	s	RES, CHIP 220 (1005)
R121	1-208-919-81	s	RES, CHIP 22K (1005)
R122	1-208-911-81	s	RES, CHIP 10K (1005)
R123	1-208-927-81	s	RES, CHIP 47K (1005)
R124	1-208-927-81	s	RES, CHIP 47K (1005)
R125	1-208-927-81	s	RES, CHIP 47K (1005)
R126	1-208-927-81	s	RES, CHIP 47K (1005)
R127	1-208-927-81	s	RES, CHIP 47K (1005)
R128	1-208-919-81	s	RES, CHIP 22K (1005)
R132	1-208-911-81	s	RES, CHIP 10K (1005)
R133	1-208-919-81	s	RES, CHIP 22K (1005)
R134	1-208-911-81	s	RES, CHIP 10K (1005)
R135	1-208-919-81	s	RES, CHIP 22K (1005)
R136	1-208-933-81	s	RES, CHIP 82K (1005)
R140	1-208-911-81	s	RES, CHIP 10K (1005)
R148	1-208-895-81	s	RES, CHIP 2.2K (1005)
R149	1-208-911-81	s	RES, CHIP 10K (1005)
R150	1-208-919-81	s	RES, CHIP 22K (1005)
R152	1-220-230-91	s	RES, SQUARE TYPE CHIP 2.2(3225)
R154	1-208-887-81	s	RES, CHIP 1.0K (1005)
R155	1-208-911-81	s	RES, CHIP 10K (1005)
R156	1-208-891-81	s	RES, CHIP 1.5K (1005)
R158	1-208-863-81	s	RES, CHIP 100 (1005)
R160	1-208-911-81	s	RES, CHIP 10K (1005)
R162	1-208-919-81	s	RES, CHIP 22K (1005)
R164	1-208-905-81	s	RES, CHIP 5.6K (1005)
R166	1-208-919-81	s	RES, CHIP 22K (1005)
R167	1-208-927-81	s	RES, CHIP 47K (1005)
R168	1-208-911-81	s	RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
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	1-208-863-81	s	RES, CHIP 100 (1005)
R175	1-208-899-81	s	RES, CHIP 3.3K (1005)
R177	1-208-863-81	s	RES, CHIP 100 (1005)
R180	1-208-911-81	s	RES, CHIP 10K (1005)
R181	1-208-895-81	s	RES, CHIP 2.2K (1005)
R201	1-208-855-81	s	RES, CHIP 47 (1005)
R202	1-208-855-81	s	RES, CHIP 47 (1005)
R203	1-208-863-81	s	RES, CHIP 100 (1005)
R204	1-208-855-81	s	RES, CHIP 47 (1005)
R205	1-208-863-81	s	RES, CHIP 100 (1005)
R206	1-208-863-81	s	RES, CHIP 100 (1005)
R207	1-208-927-81	s	RES, CHIP 47K (1005)
R208	1-208-927-81	s	RES, CHIP 47K (1005)
R209	1-208-863-81	s	RES, CHIP 100 (1005)
R210	1-208-855-81	s	RES, CHIP 47 (1005)
R211	1-208-855-81	s	RES, CHIP 47 (1005)
R212	1-208-927-81	s	RES, CHIP 47K (1005)
R219	1-208-855-81	s	RES, CHIP 47 (1005)
R220	1-208-855-81	s	RES, CHIP 47 (1005)
R221	1-208-887-81	s	RES, CHIP 1.0K (1005)
R222	1-208-887-81	s	RES, CHIP 1.0K (1005)
R301	1-208-860-81	s	RES, CHIP 75 (1005)
R302	1-208-863-81	s	RES, CHIP 100 (1005)
R303	1-208-863-81	s	RES, CHIP 100 (1005)
R304	1-208-903-81	s	RES, CHIP 4.7K (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	1-208-899-81	s	RES, CHIP 3.3K (1005)
R310	1-208-863-81	s	RES, CHIP 100 (1005)
R311	1-208-903-81	s	RES, CHIP 4.7K (1005)
R312	1-208-879-81	s	RES, CHIP 470 (1005)
R313	1-208-887-81	s	RES, CHIP 1.0K (1005)
R317	1-208-879-81	s	RES, CHIP 470 (1005)
R318	1-208-863-81	s	RES, CHIP 100 (1005)
R319	1-208-891-81	s	RES, CHIP 1.5K (1005)
R321	1-208-903-81	s	RES, CHIP 4.7K (1005)
R323	1-208-863-81	s	RES, CHIP 100 (1005)
R324	1-208-863-81	s	RES, CHIP 100 (1005)
R326	1-208-899-81	s	RES, CHIP 3.3K (1005)
R327	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R328	1-208-863-81	s	RES, CHIP 100 (1005)
R330	1-208-863-81	s	RES, CHIP 100 (1005)
R332	1-208-863-81	s	RES, CHIP 100 (1005)
R333	1-208-871-81	s	RES, CHIP 220 (1005)
R341	1-208-875-81	s	RES, CHIP 330 (1005)
R342	1-208-871-81	s	RES, CHIP 220 (1005)
R343	1-208-855-81	s	RES, CHIP 47 (1005)
R344	1-208-887-81	s	RES, CHIP 1.0K (1005)
R345	1-220-878-81	s	RES, CHIP 22 (1005)
R346	1-208-903-81	s	RES, CHIP 4.7K (1005)
R347	1-208-863-81	s	RES, CHIP 100 (1005)
R349	1-208-863-81	s	RES, CHIP 100 (1005)
R350	1-208-911-81	s	RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R352	1-208-911-81 s	RES, CHIP 10K (1005)
R360	1-208-863-81 s	RES, CHIP 100 (1005)
R361	1-208-863-81 s	RES, CHIP 100 (1005)
R362	1-208-863-81 s	RES, CHIP 100 (1005)
R363	1-208-863-81 s	RES, CHIP 100 (1005)
R364	1-208-855-81 s	RES, CHIP 47 (1005)
R365	1-208-855-81 s	RES, CHIP 47 (1005)
R366	1-208-903-81 s	RES, CHIP 4.7K (1005)
R367	1-208-891-81 s	RES, CHIP 1.5K (1005)
R368	1-208-863-81 s	RES, CHIP 100 (1005)
R369	1-208-895-81 s	RES, CHIP 2.2K (1005)
R370	1-208-855-81 s	RES, CHIP 47 (1005)
R371	1-208-911-81 s	RES, CHIP 10K (1005)
R372	1-208-911-81 s	RES, CHIP 10K (1005)
R373	1-208-863-81 s	RES, CHIP 100 (1005)
R374	1-208-863-81 s	RES, CHIP 100 (1005)
R375	1-208-863-81 s	RES, CHIP 100 (1005)
R401	1-220-878-81 s	RES, CHIP 22 (1005)
R402	1-220-878-81 s	RES, CHIP 22 (1005)
R403	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R404	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R405	1-208-863-81 s	RES, CHIP 100 (1005)
R406	1-220-878-81 s	RES, CHIP 22 (1005)
R407	1-208-855-81 s	RES, CHIP 47 (1005)
R408	1-220-878-81 s	RES, CHIP 22 (1005)
R409	1-208-855-81 s	RES, CHIP 47 (1005)
R410	1-220-878-81 s	RES, CHIP 22 (1005)
R411	1-208-855-81 s	RES, CHIP 47 (1005)
R412	1-208-855-81 s	RES, CHIP 47 (1005)
R415	1-208-855-81 s	RES, CHIP 47 (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)
R420	1-220-878-81 s	RES, CHIP 22 (1005)
R421	1-208-855-81 s	RES, CHIP 47 (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	1-208-855-81 s	RES, CHIP 47 (1005)
R426	1-208-855-81 s	RES, CHIP 47 (1005)
R427	1-220-878-81 s	RES, CHIP 22 (1005)
R428	1-208-927-81 s	RES, CHIP 47K (1005)
R430	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R431	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R432	1-208-855-81 s	RES, CHIP 47 (1005)
R433	1-208-855-81 s	RES, CHIP 47 (1005)
R435	1-208-855-81 s	RES, CHIP 47 (1005)
R436	1-208-855-81 s	RES, CHIP 47 (1005)
R501	1-220-878-81 s	RES, CHIP 22 (1005)
R502	1-208-855-81 s	RES, CHIP 47 (1005)
R503	1-208-855-81 s	RES, CHIP 47 (1005)
R504	1-208-863-81 s	RES, CHIP 100 (1005)
R505	1-208-863-81 s	RES, CHIP 100 (1005)
R601	1-208-863-81 s	RES, CHIP 100 (1005)
R602	1-208-863-81 s	RES, CHIP 100 (1005)
R603	1-208-863-81 s	RES, CHIP 100 (1005)
R604	1-208-863-81 s	RES, CHIP 100 (1005)
R605	1-208-863-81 s	RES, CHIP 100 (1005)
R606	1-208-863-81 s	RES, CHIP 100 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R607	1-208-863-81 s	RES, CHIP 100 (1005)
R608	1-208-863-81 s	RES, CHIP 100 (1005)
R609	1-208-863-81 s	RES, CHIP 100 (1005)
R610	1-208-863-81 s	RES, CHIP 100 (1005)
R611	1-220-878-81 s	RES, CHIP 22 (1005)
R612	1-220-878-81 s	RES, CHIP 22 (1005)
R613	1-208-895-81 s	RES, CHIP 2.2K (1005)
R614	1-208-895-81 s	RES, CHIP 2.2K (1005)
R615	1-208-895-81 s	RES, CHIP 2.2K (1005)
R616	1-208-895-81 s	RES, CHIP 2.2K (1005)
R617	1-208-863-81 s	RES, CHIP 100 (1005)
R618	1-208-927-81 s	RES, CHIP 47K (1005)
R619	1-208-927-81 s	RES, CHIP 47K (1005)
R620	1-208-915-81 s	RES, CHIP 15K (1005)
R621	1-208-863-81 s	RES, CHIP 100 (1005)
R622	1-208-911-81 s	RES, CHIP 10K (1005)
R623	1-208-895-81 s	RES, CHIP 2.2K (1005)
R624	1-208-895-81 s	RES, CHIP 2.2K (1005)
R625	1-208-935-81 s	RES, CHIP 100K (1005)
R626	1-208-927-81 s	RES, CHIP 47K (1005)
R627	1-208-895-81 s	RES, CHIP 2.2K (1005)
R628	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R629	1-208-927-81 s	RES, CHIP 47K (1005)
R630	1-208-927-81 s	RES, CHIP 47K (1005)
R631	1-208-911-81 s	RES, CHIP 10K (1005)
R632	1-208-887-81 s	RES, CHIP 1.0K (1005)
R633	1-208-863-81 s	RES, CHIP 100 (1005)
R634	1-208-863-81 s	RES, CHIP 100 (1005)
R635	1-208-927-81 s	RES, CHIP 47K (1005)
R636	1-220-870-81 s	RES, CHIP 10 (1005)
R637	1-220-870-81 s	RES, CHIP 10 (1005)
R638	1-208-895-81 s	RES, CHIP 2.2K (1005)
R639	1-208-863-81 s	RES, CHIP 100 (1005)
R640	1-208-911-81 s	RES, CHIP 10K (1005)
R641	1-208-911-81 s	RES, CHIP 10K (1005)
R642	1-208-927-81 s	RES, CHIP 47K (1005)
R643	1-208-927-81 s	RES, CHIP 47K (1005)
R644	1-208-911-81 s	RES, CHIP 10K (1005)
R645	1-208-911-81 s	RES, CHIP 10K (1005)
R646	1-208-887-81 s	RES, CHIP 1.0K (1005)
R647	1-208-903-81 s	RES, CHIP 4.7K (1005)
R648	1-208-895-81 s	RES, CHIP 2.2K (1005)
R649	1-208-911-81 s	RES, CHIP 10K (1005)
R650	1-208-911-81 s	RES, CHIP 10K (1005)
R652	1-208-863-81 s	RES, CHIP 100 (1005)
R654	1-208-863-81 s	RES, CHIP 100 (1005)
R656	1-208-863-81 s	RES, CHIP 100 (1005)
R657	1-208-863-81 s	RES, CHIP 100 (1005)
R658	1-208-863-81 s	RES, CHIP 100 (1005)
R659	1-208-863-81 s	RES, CHIP 100 (1005)
R660	1-220-878-81 s	RES, CHIP 22 (1005)
R661	1-220-878-81 s	RES, CHIP 22 (1005)
R662	1-208-863-81 s	RES, CHIP 100 (1005)
R663	1-208-911-81 s	RES, CHIP 10K (1005)
R665	1-208-855-81 s	RES, CHIP 47 (1005)
R669	1-208-927-81 s	RES, CHIP 47K (1005)
R671	1-220-878-81 s	RES, CHIP 22 (1005)
R673	1-220-878-81 s	RES, CHIP 22 (1005)
R675	1-220-878-81 s	RES, CHIP 22 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R676	1-218-989-81	s RES, CHIP 1M (1005)
R677	1-208-887-81	s RES, CHIP 1.0K (1005)
R680	1-208-863-81	s RES, CHIP 100 (1005)
R682	1-208-927-81	s RES, CHIP 47K (1005)
R685	1-208-927-81	s RES, CHIP 47K (1005)
R686	1-208-927-81	s RES, CHIP 47K (1005)
R687	1-208-863-81	s RES, CHIP 100 (1005)
R689	1-208-855-81	s RES, CHIP 47 (1005)
R690	1-220-878-81	s RES, CHIP 22 (1005)
R691	1-220-878-81	s RES, CHIP 22 (1005)
R692	1-220-878-81	s RES, CHIP 22 (1005)
R693	1-220-878-81	s RES, CHIP 22 (1005)
R694	1-208-863-81	s RES, CHIP 100 (1005)
R695	1-208-863-81	s RES, CHIP 100 (1005)
R697	1-208-871-81	s RES, CHIP 220 (1005)
R699	1-220-878-81	s RES, CHIP 22 (1005)
R701	1-208-863-81	s RES, CHIP 100 (1005)
R702	1-208-863-81	s RES, CHIP 100 (1005)
R703	1-208-927-81	s RES, CHIP 47K (1005)
R704	1-208-863-81	s RES, CHIP 100 (1005)
R705	1-208-911-81	s RES, CHIP 10K (1005)
R706	1-220-878-81	s RES, CHIP 22 (1005)
R707	1-218-990-81	s CONDUCTOR, CHIP (1005)
R709	1-218-990-81	s CONDUCTOR, CHIP (1005)
R711	1-208-911-81	s RES, CHIP 10K (1005)
R712	1-208-911-81	s RES, CHIP 10K (1005)
R714	1-218-990-81	s CONDUCTOR, CHIP (1005)
R715	1-208-911-81	s RES, CHIP 10K (1005)
R716	1-208-855-81	s RES, CHIP 47 (1005)
R717	1-208-855-81	s RES, CHIP 47 (1005)
R718	1-208-855-81	s RES, CHIP 47 (1005)
R719	1-208-855-81	s RES, CHIP 47 (1005)
R720	1-220-878-81	s RES, CHIP 22 (1005)
R722	1-218-990-81	s CONDUCTOR, CHIP (1005)
R723	1-208-911-81	s RES, CHIP 10K (1005)
R724	1-208-887-81	s RES, CHIP 1.0K (1005)
R725	1-208-863-81	s RES, CHIP 100 (1005)
R726	1-208-863-81	s RES, CHIP 100 (1005)
R727	1-220-878-81	s RES, CHIP 22 (1005)
R728	1-220-878-81	s RES, CHIP 22 (1005)
R729	1-220-878-81	s RES, CHIP 22 (1005)
R730	1-208-911-81	s RES, CHIP 10K (1005)
R731	1-208-911-81	s RES, CHIP 10K (1005)
R791	1-220-878-81	s RES, CHIP 22 (1005)
R797	1-208-855-81	s RES, CHIP 47 (1005)
R798	1-208-855-81	s RES, CHIP 47 (1005)
R799	1-220-878-81	s RES, CHIP 22 (1005)
R801	1-208-855-81	s RES, CHIP 47 (1005)
R802	1-218-990-81	s CONDUCTOR, CHIP (1005)
R803	1-220-870-81	s RES, CHIP 10 (1005)
R805	1-208-875-81	s RES, CHIP 330 (1005)
R806	1-218-990-81	s CONDUCTOR, CHIP (1005)
R807	1-218-990-81	s CONDUCTOR, CHIP (1005)
R809	1-218-990-81	s CONDUCTOR, CHIP (1005)
R810	1-208-863-81	s RES, CHIP 100 (1005)
R812	1-220-878-81	s RES, CHIP 22 (1005)
R814	1-208-887-81	s RES, CHIP 1.0K (1005)
R815	1-218-990-81	s CONDUCTOR, CHIP (1005)
R816	1-218-990-81	s CONDUCTOR, CHIP (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R817	1-208-887-81	s RES, CHIP 1.0K (1005)
R818	1-208-887-81	s RES, CHIP 1.0K (1005)
R819	1-208-863-81	s RES, CHIP 100 (1005)
R820	1-208-887-81	s RES, CHIP 1.0K (1005)
R821	1-208-883-81	s RES, CHIP 680 (1005)
R822	1-208-863-81	s RES, CHIP 100 (1005)
R823	1-208-860-81	s RES, CHIP 75 (1005)
R824	1-208-860-81	s RES, CHIP 75 (1005)
R825	1-208-860-81	s RES, CHIP 75 (1005)
R826	1-208-860-81	s RES, CHIP 75 (1005)
R827	1-208-860-81	s RES, CHIP 75 (1005)
R829	1-218-990-81	s CONDUCTOR, CHIP (1005)
R830	1-208-863-81	s RES, CHIP 100 (1005)
R832	1-208-887-81	s RES, CHIP 1.0K (1005)
R833	1-218-990-81	s CONDUCTOR, CHIP (1005)
R834	1-218-990-81	s CONDUCTOR, CHIP (1005)
R836	1-218-990-81	s CONDUCTOR, CHIP (1005)
R837	1-208-887-81	s RES, CHIP 1.0K (1005)
R839	1-220-878-81	s RES, CHIP 22 (1005)
R841	1-208-887-81	s RES, CHIP 1.0K (1005)
R842	1-218-990-81	s CONDUCTOR, CHIP (1005)
R843	1-218-990-81	s CONDUCTOR, CHIP (1005)
R844	1-208-887-81	s RES, CHIP 1.0K (1005)
R845	1-208-887-81	s RES, CHIP 1.0K (1005)
R846	1-218-990-81	s CONDUCTOR, CHIP (1005)
R847	1-208-887-81	s RES, CHIP 1.0K (1005)
R848	1-208-883-81	s RES, CHIP 680 (1005)
R849	1-208-863-81	s RES, CHIP 100 (1005)
R850	1-208-860-81	s RES, CHIP 75 (1005)
R851	1-208-860-81	s RES, CHIP 75 (1005)
R852	1-208-860-81	s RES, CHIP 75 (1005)
R853	1-208-860-81	s RES, CHIP 75 (1005)
R854	1-208-860-81	s RES, CHIP 75 (1005)
R855	1-208-863-81	s RES, CHIP 100 (1005)
R856	1-208-887-81	s RES, CHIP 1.0K (1005)
R858	1-208-863-81	s RES, CHIP 100 (1005)
R859	1-208-863-81	s RES, CHIP 100 (1005)
R860	1-208-863-81	s RES, CHIP 100 (1005)
R861	1-208-887-81	s RES, CHIP 1.0K (1005)
R863	1-208-863-81	s RES, CHIP 100 (1005)
R864	1-218-990-81	s CONDUCTOR, CHIP (1005)
R866	1-218-990-81	s CONDUCTOR, CHIP (1005)
R867	1-218-990-81	s CONDUCTOR, CHIP (1005)
R868	1-208-863-81	s RES, CHIP 100 (1005)
R869	1-208-863-81	s RES, CHIP 100 (1005)
R870	1-218-990-81	s CONDUCTOR, CHIP (1005)
R871	1-208-863-81	s RES, CHIP 100 (1005)
R872	1-218-990-81	s CONDUCTOR, CHIP (1005)
R873	1-208-875-81	s RES, CHIP 330 (1005)
R874	1-208-863-81	s RES, CHIP 100 (1005)
R875	1-208-887-81	s RES, CHIP 1.0K (1005)
R876	1-208-887-81	s RES, CHIP 1.0K (1005)
R877	1-208-863-81	s RES, CHIP 100 (1005)
R878	1-208-863-81	s RES, CHIP 100 (1005)
R879	1-218-990-81	s CONDUCTOR, CHIP (1005)
R880	1-208-863-81	s RES, CHIP 100 (1005)
R883	1-208-855-81	s RES, CHIP 47 (1005)
R884	1-208-863-81	s RES, CHIP 100 (1005)
R885	1-208-863-81	s RES, CHIP 100 (1005)

(DPR-316 BOARD (suffix 12, 13))

Ref. No. or Q'ty	Part No.	SP Description
R886	1-208-863-81 s	RES, CHIP 100 (1005)
R901	1-208-855-81 s	RES, CHIP 47 (1005)
R902	1-208-935-81 s	RES, CHIP 100K (1005)
R903	1-208-895-81 s	RES, CHIP 2.2K (1005)
R904	1-208-895-81 s	RES, CHIP 2.2K (1005)
R905	1-208-887-81 s	RES, CHIP 1.0K (1005)
R906	1-208-903-81 s	RES, CHIP 4.7K (1005)
R907	1-208-887-81 s	RES, CHIP 1.0K (1005)
R908	1-208-903-81 s	RES, CHIP 4.7K (1005)
R909	1-208-883-81 s	RES, CHIP 680 (1005)
R910	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R911	1-208-899-81 s	RES, CHIP 3.3K (1005)
R912	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R913	1-208-875-81 s	RES, CHIP 330 (1005)
R914	1-208-903-81 s	RES, CHIP 4.7K (1005)
R915	1-208-863-81 s	RES, CHIP 100 (1005)
R916	1-208-879-81 s	RES, CHIP 470 (1005)
R919	1-208-903-81 s	RES, CHIP 4.7K (1005)
R920	1-208-883-81 s	RES, CHIP 680 (1005)
R921	1-208-883-81 s	RES, CHIP 680 (1005)
R922	1-208-863-81 s	RES, CHIP 100 (1005)
R923	1-208-903-81 s	RES, CHIP 4.7K (1005)
R924	1-220-878-81 s	RES, CHIP 22 (1005)
R925	1-208-903-81 s	RES, CHIP 4.7K (1005)
R927	1-208-887-81 s	RES, CHIP 1.0K (1005)
R928	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R929	1-208-911-81 s	RES, CHIP 10K (1005)
R930	1-208-887-81 s	RES, CHIP 1.0K (1005)
R931	1-208-911-81 s	RES, CHIP 10K (1005)
R932	1-208-879-81 s	RES, CHIP 470 (1005)
R933	1-208-860-81 s	RES, CHIP 75 (1005)
R934	1-208-855-81 s	RES, CHIP 47 (1005)
R935	1-208-855-81 s	RES, CHIP 47 (1005)
R936	1-208-855-81 s	RES, CHIP 47 (1005)
R937	1-208-855-81 s	RES, CHIP 47 (1005)
R938	1-208-903-81 s	RES, CHIP 4.7K (1005)
R939	1-220-878-81 s	RES, CHIP 22 (1005)
R940	1-220-878-81 s	RES, CHIP 22 (1005)
R941	1-208-903-81 s	RES, CHIP 4.7K (1005)
R942	1-220-878-81 s	RES, CHIP 22 (1005)
R944	1-208-899-81 s	RES, CHIP 3.3K (1005)
R945	1-208-887-81 s	RES, CHIP 1.0K (1005)
R948	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R949	1-208-911-81 s	RES, CHIP 10K (1005)
R951	1-208-887-81 s	RES, CHIP 1.0K (1005)
R954	1-208-911-81 s	RES, CHIP 10K (1005)
R955	1-208-879-81 s	RES, CHIP 470 (1005)
R956	1-208-860-81 s	RES, CHIP 75 (1005)
R957	1-208-860-81 s	RES, CHIP 75 (1005)
R958	1-208-855-81 s	RES, CHIP 47 (1005)
R959	1-208-863-81 s	RES, CHIP 100 (1005)
R960	1-208-863-81 s	RES, CHIP 100 (1005)
R961	1-208-879-81 s	RES, CHIP 470 (1005)
R962	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R963	1-208-875-81 s	RES, CHIP 330 (1005)
RB201	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB202	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB203	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB204	1-234-372-21 s	RES, NETWORK 100 (1005X4)

(DPR-316 BOARD (suffix 12, 13))

Ref. No. or Q'ty	Part No.	SP Description
RB205	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB206	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB207	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB208	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB209	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB210	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB212	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB216	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB217	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB218	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB220	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB401	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB402	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB403	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB404	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB405	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB406	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB407	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB408	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB409	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB410	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB411	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB412	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB413	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB414	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB415	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB416	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB417	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB422	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB423	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB424	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB425	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB501	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB502	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB503	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB504	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB505	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB506	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB507	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB508	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB509	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB510	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB511	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB512	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB513	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB514	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB515	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB516	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB517	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB518	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB519	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB520	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB521	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB627	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB628	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB629	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB801	1-234-400-21 s	CONDUCTOR, NETWORK (1005X4)
RB802	1-234-400-21 s	CONDUCTOR, NETWORK (1005X4)
RB803	1-234-400-21 s	CONDUCTOR, NETWORK (1005X4)

(DPR-316 BOARD (suffix 12, 13))

Ref. No. or Q'ty	Part No.	SP Description
RB804	1-234-400-21	s CONDUCTOR, NETWORK (1005X4)
RB805	1-234-400-21	s CONDUCTOR, NETWORK (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)
RB810	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB811	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB812	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB813	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB814	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB815	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB901	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB902	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB903	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB904	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB905	1-234-371-21	s RES, NETWORK 47 (1005X4)
S601	1-692-881-41	s SWITCH, SLIDE
THP101 Δ	1-804-616-21	s THERMISTOR, POSITIVE
THP102 Δ	1-804-616-21	s THERMISTOR, POSITIVE
THP103 Δ	1-804-458-21	s THERMISTOR, POSITIVE
THP104 Δ	1-804-616-21	s THERMISTOR, POSITIVE
THP105 Δ	1-804-616-21	s THERMISTOR, POSITIVE
TP201	1-535-877-22	s CHIP, CHECKER
TP301	1-535-877-22	s CHIP, CHECKER
TP601	1-535-877-22	s CHIP, CHECKER
TP602	1-535-877-22	s CHIP, CHECKER
X601	1-795-670-12	s OSCILLATOR, CRYSTAL (VCXO) 3.3V
X602	1-795-671-12	s OSCILLATOR, CRYSTAL (VCXO) 3.3V
X604	1-795-764-12	s OSCILLATOR, CRYSTAL (VCXO) 5V

DR-632P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1728-609-A	s MOUNTED CIRCUIT BOARD, DR-632P
C1	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C2	1-135-960-91	s CAP, CHIP CERAMIC 10MF B (3225)
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	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C8	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C9	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C10	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF 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
C13	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C14	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C15	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C16	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C17	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C18	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C19	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C20	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C21	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C22	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C23	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C24	1-165-884-91	s CAP, CERAMIC 2.2MF (1608)
C25	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C30	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C31	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C32	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C33	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C34	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C35	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C36	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C37	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C38	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C39	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C44	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C45	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C46	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C47	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 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
C52	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C53	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C54	1-100-827-21	s CAP, ELECT 150MF (8X7)
C55	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C56	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C57	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C58	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C59	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C60	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C61	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C66	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C67	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C68	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C69	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005

(DR-632P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
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	1-114-549-11	s CAP, NIOBIUM ELECT 47UF
C73	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C74	1-135-342-21	s CAP, ELECT 56MF (6.3X6)
C75	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C76	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C77	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C78	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C79	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C80	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C82	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C83	1-100-816-21	s CAP, ELECT 33MF (5.6X6.5)
C84	1-100-816-21	s CAP, ELECT 33MF (5.6X6.5)
C85	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C86	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C88	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
CN1	1-778-645-31	s CONNECTOR, FFC/FPC(ZIF) AN 10P
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
CN5	1-782-954-11	o CONNECTOR, BOARD TO BOARD 100P
D1	6-503-183-01	s DI MA6Z1210G1S0
D2	6-503-183-01	s DI MA6Z1210G1S0
D3	6-503-183-01	s DI MA6Z1210G1S0
D4	6-503-183-01	s DI MA6Z1210G1S0
D5	6-503-183-01	s DI MA6Z1210G1S0
D6	6-503-183-01	s DI MA6Z1210G1S0
D7	8-719-083-60	s DI UDZSUSTE-174.7B
D8	8-719-083-60	s DI UDZSUSTE-174.7B
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
ET6	1-780-627-11	s TERMINAL, LUG
FB1	1-469-100-21	s FERRITE, EMI (SMD) (1608)
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)
FB11	1-469-100-21	s FERRITE, EMI (SMD) (1608)
FB12	1-469-100-21	s FERRITE, EMI (SMD) (1608)
FB13	1-469-100-21	s FERRITE, EMI (SMD) (1608)
FB14	1-469-100-21	s FERRITE, EMI (SMD) (1608)
FB15	1-469-100-21	s FERRITE, EMI (SMD) (1608)
FB16	1-469-100-21	s FERRITE, EMI (SMD) (1608)
FB17	1-469-100-21	s FERRITE, EMI (SMD) (1608)
FB18	1-469-100-21	s FERRITE, EMI (SMD) (1608)
FB19	1-469-100-21	s FERRITE, EMI (SMD) (1608)
FB20	1-469-100-21	s FERRITE, EMI (SMD) (1608)
IC1	8-759-573-97	s IC SN74LVC541APWR

(DR-632P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC2	8-759-573-97	s IC SN74LVC541APWR
IC3	6-708-326-01	s IC TC74HCT4053AFT (EL)
IC4	8-759-672-76	s IC AK9813BF-E2
IC5	6-700-439-01	s IC SN74ALVC00PWR
IC6	6-700-439-01	s IC SN74ALVC00PWR
IC7	6-700-439-01	s IC SN74ALVC00PWR
IC8	6-711-375-01	s IC LT1964ES5-BYP#TR
IC9	6-711-375-01	s IC LT1964ES5-BYP#TR
IC10	8-759-327-01	s IC NJM062V (TE2)
IC11	6-700-439-01	s IC SN74ALVC00PWR
IC12	6-700-439-01	s IC SN74ALVC00PWR
IC13	6-700-439-01	s IC SN74ALVC00PWR
IC14	6-711-852-01	s IC LTC1844ES5-BYP
IC15	6-700-439-01	s IC SN74ALVC00PWR
IC16	6-700-439-01	s IC SN74ALVC00PWR
IC17	6-704-976-01	s IC ADR381ARTZ-REEL7
IC18	6-715-039-01	s IC TC7SZ08FU,RSOBYJ
Q1	8-729-144-81	s TRANSISTOR 2SC4176T1B33B34B35
Q2	8-729-144-81	s TRANSISTOR 2SC4176T1B33B34B35
Q3	8-729-140-86	s TRANSISTOR 2SA1610-T1Y34
Q4	8-729-053-11	s TRANSISTOR FDC6561AN
Q5	8-729-053-12	s TRANSISTOR FDC6506P
Q6	8-729-053-11	s TRANSISTOR FDC6561AN
Q7	8-729-053-12	s TRANSISTOR FDC6506P
Q8	8-729-053-11	s TRANSISTOR FDC6561AN
Q9	8-729-053-12	s TRANSISTOR FDC6506P
Q10	8-729-053-11	s TRANSISTOR FDC6561AN
Q11	8-729-053-12	s TRANSISTOR FDC6506P
Q12	8-729-053-11	s TRANSISTOR FDC6561AN
Q13	8-729-053-12	s TRANSISTOR FDC6506P
Q14	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q15	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
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	1-216-797-91	s RES, CHIP 10 (1608)
R5	1-216-797-91	s RES, CHIP 10 (1608)
R6	1-216-797-91	s RES, CHIP 10 (1608)
R7	1-216-797-91	s RES, CHIP 10 (1608)
R8	1-208-863-81	s RES, CHIP 100 (1005)
R9	1-208-863-81	s RES, CHIP 100 (1005)
R10	1-208-863-81	s RES, CHIP 100 (1005)
R11	1-220-870-81	s RES, CHIP 10 (1005)
R12	1-220-870-81	s RES, CHIP 10 (1005)
R14	1-220-870-81	s RES, CHIP 10 (1005)
R17	1-220-878-81	s RES, CHIP 22 (1005)
R18	1-220-878-81	s RES, CHIP 22 (1005)
R19	1-220-878-81	s RES, CHIP 22 (1005)
R20	1-220-878-81	s RES, CHIP 22 (1005)
R21	1-220-878-81	s RES, CHIP 22 (1005)
R22	1-220-878-81	s RES, CHIP 22 (1005)
R23	1-220-878-81	s RES, CHIP 22 (1005)
R24	1-220-878-81	s RES, CHIP 22 (1005)
R25	1-208-855-81	s RES, CHIP 47 (1005)
R26	1-220-878-81	s RES, CHIP 22 (1005)
R27	1-220-878-81	s RES, CHIP 22 (1005)
R28	1-220-870-81	s RES, CHIP 10 (1005)
R29	1-220-870-81	s RES, CHIP 10 (1005)

(DR-632P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R30	1-220-870-81	s RES, CHIP 10 (1005)
R31	1-220-870-81	s RES, CHIP 10 (1005)
R32	1-220-870-81	s RES, CHIP 10 (1005)
R33	1-220-870-81	s RES, CHIP 10 (1005)
R34	1-220-870-81	s RES, CHIP 10 (1005)
R35	1-220-870-81	s RES, CHIP 10 (1005)
R36	1-220-870-81	s RES, CHIP 10 (1005)
R37	1-220-870-81	s RES, CHIP 10 (1005)
R38	1-220-870-81	s RES, CHIP 10 (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)
R44	1-220-878-81	s RES, CHIP 22 (1005)
R45	1-220-878-81	s RES, CHIP 22 (1005)
R46	1-220-878-81	s RES, CHIP 22 (1005)
R47	1-208-927-81	s RES, CHIP 47K (1005)
R48	1-208-911-81	s RES, CHIP 10K (1005)
R49	1-208-919-81	s RES, CHIP 22K (1005)
R50	1-208-911-81	s RES, CHIP 10K (1005)
R52	1-208-935-81	s RES, CHIP 100K (1005)
R54	1-220-870-81	s RES, CHIP 10 (1005)
R55	1-220-870-81	s RES, CHIP 10 (1005)
R56	1-220-870-81	s RES, CHIP 10 (1005)
R57	1-220-870-81	s RES, CHIP 10 (1005)
R58	1-220-870-81	s RES, CHIP 10 (1005)
R59	1-220-870-81	s RES, CHIP 10 (1005)
R60	1-220-870-81	s RES, CHIP 10 (1005)
R61	1-220-870-81	s RES, CHIP 10 (1005)
R62	1-220-878-81	s RES, CHIP 22 (1005)
R63	1-220-878-81	s RES, CHIP 22 (1005)
R64	1-220-878-81	s RES, CHIP 22 (1005)
R65	1-220-870-81	s RES, CHIP 10 (1005)
R66	1-220-870-81	s RES, CHIP 10 (1005)
R67	1-220-870-81	s RES, CHIP 10 (1005)
R68	1-220-878-81	s RES, CHIP 22 (1005)
R69	1-220-878-81	s RES, CHIP 22 (1005)
R70	1-220-878-81	s RES, CHIP 22 (1005)
R71	1-220-878-81	s RES, CHIP 22 (1005)
R72	1-220-878-81	s RES, CHIP 22 (1005)
R73	1-220-878-81	s RES, CHIP 22 (1005)
R74	1-220-878-81	s RES, CHIP 22 (1005)
R75	1-220-878-81	s RES, CHIP 22 (1005)
R76	1-208-915-81	s RES, CHIP 15K (1005)
R77	1-208-887-81	s RES, CHIP 1.0K (1005)
R78	1-208-911-81	s RES, CHIP 10K (1005)
R79	1-220-870-81	s RES, CHIP 10 (1005)
R80	1-220-870-81	s RES, CHIP 10 (1005)
R81	1-220-870-81	s RES, CHIP 10 (1005)
R82	1-220-870-81	s RES, CHIP 10 (1005)
R83	1-220-870-81	s RES, CHIP 10 (1005)
R84	1-220-870-81	s RES, CHIP 10 (1005)
R85	1-220-870-81	s RES, CHIP 10 (1005)
R86	1-220-870-81	s RES, CHIP 10 (1005)
R87	1-208-911-81	s RES, CHIP 10K (1005)
R88	1-208-911-81	s RES, CHIP 10K (1005)
R89	1-208-923-81	s RES, CHIP 33K (1005)
R90	1-218-990-81	s CONDUCTOR, CHIP (1005)

(DR-632P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R91	1-208-919-81	s RES, CHIP 22K (1005)
R92	1-208-875-81	s RES, CHIP 330 (1005)
R93	1-208-923-81	s RES, CHIP 33K (1005)
R94	1-218-990-81	s CONDUCTOR, CHIP (1005)
R95	1-208-919-81	s RES, CHIP 22K (1005)
R96	1-208-875-81	s RES, CHIP 330 (1005)
R97	1-208-863-81	s RES, CHIP 100 (1005)
R98	1-208-863-81	s RES, CHIP 100 (1005)
R99	1-208-863-81	s RES, CHIP 100 (1005)
R100	1-208-863-81	s RES, CHIP 100 (1005)
R101	1-208-863-81	s RES, CHIP 100 (1005)
R102	1-208-863-81	s RES, CHIP 100 (1005)
R103	1-220-870-81	s RES, CHIP 10 (1005)
RB1	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB2	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB3	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB4	1-234-381-21	s RES, NETWORK 100K (1005X4)

IF-1129 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1755-695-A	s MOUNTED CIRCUIT BOARD, IF-1129
BT200	1-756-076-21	s HOLDER, LITHIUM BATTERY
C1	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C2	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C3	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C4	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C5	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C6	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C7	1-112-015-91	s CAP, CHIP CERAMIC 47MF B 3225
C8	1-112-015-91	s CAP, CHIP CERAMIC 47MF B 3225
C9	1-112-015-91	s CAP, CHIP CERAMIC 47MF B 3225
C10	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C11	1-114-582-91	s CAP, 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
C14	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C16	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C17	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C18	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C19	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C21	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C22	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C23	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C24	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C25	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C26	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C27	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C28	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C29	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C30	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C200	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C201	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C202	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C203	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C204	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C205	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C206	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C207	1-104-905-11	s CAP, DOUBLE LAYERS 0.22F
C208	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C209	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C210	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C211	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C212	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C214	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C215	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C216	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C217	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C218	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C219	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C220	1-164-935-81	s CAP, CHIP CERAMIC 470PF B 1005
C221	1-164-935-81	s CAP, CHIP CERAMIC 470PF B 1005
C222	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C223	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C224	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C225	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C226	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C227	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C228	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C229	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C230	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C231	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C232	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C233	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C234	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C235	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C236	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C237	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C238	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C239	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C240	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C241	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C242	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C243	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C244	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C245	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C246	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C247	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C248	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C249	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C250	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C251	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C252	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C253	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C254	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C255	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C256	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C257	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C258	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C259	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C260	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C261	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C262	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C263	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C264	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C265	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C266	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C267	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C268	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C269	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C270	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C271	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C272	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C273	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C274	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C275	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C276	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C277	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C278	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C279	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C280	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C281	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C282	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C302	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C303	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C304	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C305	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005

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Ref. No. or Q'ty	Part No.	SP	Description
C306	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C312	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C316	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C318	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C319	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 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	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C324	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C325	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C326	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C327	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C328	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C329	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C330	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C332	1-114-386-11	s	CAP, NIOBIUM ELECT 100MF 105
C333	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C334	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C335	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C336	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C337	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C338	1-100-055-21	s	CAP, CHIP CERAMIC 22MF B 3225
C339	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C340	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C341	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C342	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C343	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C344	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C345	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C500	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
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
C506	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C507	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C509	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C510	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C511	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C512	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C513	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C514	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C515	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
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
C519	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	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C523	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C524	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C525	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
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	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C529	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C530	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C531	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP	Description
C532	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C533	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C534	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C535	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
CN204	1-819-611-22	s	MEMORY STICK DUO CONNECTOR 10P
CN300	1-815-921-11	s	JACK, MODULAR
CN500	1-770-627-21	s	PIN, CONNECTOR 10P
D1	8-719-083-60	s	DI UDZSUSTE-174.7B
D2	8-719-083-60	s	DI UDZSUSTE-174.7B
D10	8-719-074-31	s	DIODE CL-196YG-CD-T
D200	8-719-989-01	s	DIODE DA221-TL
D201	8-719-070-20	s	DIODE RB706F-40
D202	8-719-989-01	s	DIODE DA221-TL
D203	8-719-989-01	s	DIODE DA221-TL
D204	6-500-122-01	s	DIODE CL-375HR/YG-D-TS
D300	6-502-633-01	s	DI SML-A12M8TT86N
E1	1-535-877-22	s	CHIP, CHECKER
E2	1-535-877-22	s	CHIP, CHECKER
E3	1-535-877-22	s	CHIP, CHECKER
FB500	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB501	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
IC1	6-704-976-01	s	IC ADR381ARTZ-REEL7
IC2	6-712-135-01	o	IC R1173H001D-T1-FE
IC3	8-759-327-01	s	IC NJM062V(Te2)
IC4	6-712-135-01	o	IC R1173H001D-T1-FE
IC201	8-759-648-04	s	IC RTC-4574JE
IC202	6-702-879-01	s	IC R3112N281A-TR-FE
IC203	6-707-856-01	s	IC TC74LCX74FT(EKJ)
IC204	6-710-628-01	s	IC CY23EP05XSC-1HT
IC205	6-705-527-11	s	IC HD6417616SFV
IC206	6-707-856-01	s	IC TC74LCX74FT(EKJ)
IC207	6-707-845-01	s	IC TC74LCX138FT(EKJ)
IC208	8-759-669-68	s	IC SN74CBT3253PWR-12
IC209	6-714-453-01	s	IC M29W160EB70N6E
IC210	6-714-453-01	s	IC M29W160EB70N6E
IC211	6-716-585-01	s	IC W9812G6JH-75-ER10
IC212	6-716-585-01	s	IC W9812G6JH-75-ER10
IC213	6-707-845-01	s	IC TC74LCX138FT(EKJ)
IC214	8-759-584-32	s	IC MB86189PMC-G-BND-ER-E1
IC215	6-706-484-01	s	IC TC7SH04FU
IC216	6-706-484-01	s	IC TC7SH04FU
IC217	6-706-484-01	s	IC TC7SH04FU
IC218	8-759-549-01	s	IC SN74LV125APWR
IC219	6-706-488-01	s	IC TC7SH14FU
IC220	6-703-238-01	s	IC TC7WZ34FK
IC221	6-706-487-01	s	IC TC7SH08FU
IC222	6-706-488-01	s	IC TC7SH14FU
IC223	6-706-488-01	s	IC TC7SH14FU
IC224	6-706-488-01	s	IC TC7SH14FU
IC225	8-759-592-47	s	IC TC7SZ08FU(Te85R)
IC226	6-706-489-01	s	IC TC7SH32FU
IC227	8-759-592-47	s	IC TC7SZ08FU(Te85R)
IC228	8-759-592-44	?	IC TC7SZ04FU(Te85R)
IC229	8-759-592-44	?	IC TC7SZ04FU(Te85R)
IC230	6-706-488-01	s	IC TC7SH14FU
IC231	6-706-487-01	s	IC TC7SH08FU
IC232	6-706-487-01	s	IC TC7SH08FU

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Ref. No. or Q'ty	Part No.	SP Description
IC233	6-706-488-01	s IC TC7SH14FU
IC234	6-706-487-01	s IC TC7SH08FU
IC235	6-706-487-01	s IC TC7SH08FU
IC236	8-759-592-44	? IC TC7SZ04FU (TE85R)
IC237	6-706-487-01	s IC TC7SH08FU
IC300	6-706-487-01	s IC TC7SH08FU
IC301	6-706-487-01	s IC TC7SH08FU
IC303	6-702-691-01	s IC BCM5221A4KPTG
IC304	6-707-850-01	s IC TC74LCX245FT (EKJ)
IC305	6-707-842-01	s IC TC74LCX08FT (EKJ)
IC306	8-759-675-54	s IC TC7W53FK (TE85R)
IC307	6-707-850-01	s IC TC74LCX245FT (EKJ)
IC311	6-706-484-01	s IC TC7SH04FU
IC312	6-706-484-01	s IC TC7SH04FU
IC313	6-706-487-01	s IC TC7SH08FU
IC314	6-706-484-01	s IC TC7SH04FU
IC315	6-706-487-01	s IC TC7SH08FU
IC316	8-759-092-83	s IC SN75158PSR
IC500	8-759-549-01	s IC SN74LV125APWR
IC501	6-702-879-01	s IC R3112N281A-TR-FE
IC504	6-707-850-01	s IC TC74LCX245FT (EKJ)
IC505	6-704-099-01	s IC TC7WZ08FK
IC508	8-759-592-49	s IC TC7SZ125FU (TE85R)
IC509	8-759-592-49	s IC TC7SZ125FU (TE85R)
IC510	6-706-484-01	s IC TC7SH04FU
L200	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
L301	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L302	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L500	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L501	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L502	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L503	1-414-392-41	s INDUCTOR (SMD) 1.0UH
PH300	8-749-014-35	s IC HCPL-0630-500
Q1	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q2	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q4	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q5	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q200	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q201	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q203	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q204	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q300	8-729-928-82	s TRANSISTOR DTC144EE-TL
R4	1-208-871-81	s RES, CHIP 220 (1005)
R5	1-208-903-81	s RES, CHIP 4.7K (1005)
R6	1-208-871-81	s RES, CHIP 220 (1005)
R7	1-208-927-81	s RES, CHIP 47K (1005)
R8	1-208-931-81	s RES, CHIP 68K (1005)
R9	1-218-990-81	s CONDUCTOR, CHIP (1005)
R10	1-208-911-81	s RES, CHIP 10K (1005)
R11	1-208-911-81	s RES, CHIP 10K (1005)
R12	1-208-923-81	s RES, CHIP 33K (1005)
R13	1-208-923-81	s RES, CHIP 33K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R14	1-208-927-81	s RES, CHIP 47K (1005)
R15	1-208-911-81	s RES, CHIP 10K (1005)
R16	1-208-927-81	s RES, CHIP 47K (1005)
R17	1-208-903-81	s RES, CHIP 4.7K (1005)
R18	1-208-891-81	s RES, CHIP 1.5K (1005)
R19	1-208-919-81	s RES, CHIP 22K (1005)
R21	1-208-863-81	s RES, CHIP 100 (1005)
R22	1-208-911-81	s RES, CHIP 10K (1005)
R23	1-208-903-81	s RES, CHIP 4.7K (1005)
R24	1-208-903-81	s RES, CHIP 4.7K (1005)
R25	1-208-903-81	s RES, CHIP 4.7K (1005)
R26	1-208-911-81	s RES, CHIP 10K (1005)
R27	1-208-899-81	s RES, CHIP 3.3K (1005)
R28	1-208-895-81	s RES, CHIP 2.2K (1005)
R35	1-220-878-81	s RES, CHIP 22 (1005)
R36	1-208-863-81	s RES, CHIP 100 (1005)
R37	1-208-863-81	s RES, CHIP 100 (1005)
R38	1-208-855-81	s RES, CHIP 47 (1005)
R39	1-208-855-81	s RES, CHIP 47 (1005)
R40	1-208-855-81	s RES, CHIP 47 (1005)
R41	1-220-878-81	s RES, CHIP 22 (1005)
R43	1-208-863-81	s RES, CHIP 100 (1005)
R44	1-208-863-81	s RES, CHIP 100 (1005)
R45	1-208-863-81	s RES, CHIP 100 (1005)
R46	1-208-863-81	s RES, CHIP 100 (1005)
R47	1-208-911-81	s RES, CHIP 10K (1005)
R48	1-208-887-81	s RES, CHIP 1.0K (1005)
R49	1-208-855-81	s RES, CHIP 47 (1005)
R50	1-208-855-81	s RES, CHIP 47 (1005)
R200	1-220-870-81	s RES, CHIP 10 (1005)
R201	1-208-911-81	s RES, CHIP 10K (1005)
R202	1-208-887-81	s RES, CHIP 1.0K (1005)
R203	1-208-887-81	s RES, CHIP 1.0K (1005)
R204	1-208-887-81	s RES, CHIP 1.0K (1005)
R205	1-208-935-81	s RES, CHIP 100K (1005)
R206	1-208-935-81	s RES, CHIP 100K (1005)
R207	1-208-863-81	s RES, CHIP 100 (1005)
R208	1-208-863-81	s RES, CHIP 100 (1005)
R209	1-208-911-81	s RES, CHIP 10K (1005)
R210	1-208-911-81	s RES, CHIP 10K (1005)
R211	1-208-911-81	s RES, CHIP 10K (1005)
R213	1-208-863-81	s RES, CHIP 100 (1005)
R214	1-208-863-81	s RES, CHIP 100 (1005)
R215	1-208-863-81	s RES, CHIP 100 (1005)
R216	1-208-935-81	s RES, CHIP 100K (1005)
R217	1-208-911-81	s RES, CHIP 10K (1005)
R218	1-208-911-81	s RES, CHIP 10K (1005)
R219	1-208-911-81	s RES, CHIP 10K (1005)
R220	1-220-870-81	s RES, CHIP 10 (1005)
R221	1-220-870-81	s RES, CHIP 10 (1005)
R222	1-208-855-81	s RES, CHIP 47 (1005)
R223	1-208-855-81	s RES, CHIP 47 (1005)
R224	1-208-855-81	s RES, CHIP 47 (1005)
R225	1-208-855-81	s RES, CHIP 47 (1005)
R226	1-208-855-81	s RES, CHIP 47 (1005)
R227	1-208-855-81	s RES, CHIP 47 (1005)
R228	1-208-855-81	s RES, CHIP 47 (1005)
R229	1-220-878-81	s RES, CHIP 22 (1005)
R230	1-208-911-81	s RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R231	1-208-911-81 s	RES, CHIP 10K (1005)
R232	1-208-911-81 s	RES, CHIP 10K (1005)
R233	1-208-911-81 s	RES, CHIP 10K (1005)
R234	1-208-855-81 s	RES, CHIP 47 (1005)
R235	1-208-911-81 s	RES, CHIP 10K (1005)
R236	1-208-911-81 s	RES, CHIP 10K (1005)
R237	1-208-935-81 s	RES, CHIP 100K (1005)
R238	1-208-935-81 s	RES, CHIP 100K (1005)
R239	1-208-935-81 s	RES, CHIP 100K (1005)
R240	1-208-863-81 s	RES, CHIP 100 (1005)
R241	1-208-855-81 s	RES, CHIP 47 (1005)
R242	1-220-878-81 s	RES, CHIP 22 (1005)
R243	1-208-855-81 s	RES, CHIP 47 (1005)
R244	1-208-911-81 s	RES, CHIP 10K (1005)
R245	1-220-870-81 s	RES, CHIP 10 (1005)
R246	1-208-911-81 s	RES, CHIP 10K (1005)
R247	1-208-911-81 s	RES, CHIP 10K (1005)
R248	1-208-911-81 s	RES, CHIP 10K (1005)
R249	1-208-911-81 s	RES, CHIP 10K (1005)
R250	1-208-911-81 s	RES, CHIP 10K (1005)
R251	1-208-911-81 s	RES, CHIP 10K (1005)
R252	1-208-935-81 s	RES, CHIP 100K (1005)
R254	1-208-911-81 s	RES, CHIP 10K (1005)
R255	1-208-911-81 s	RES, CHIP 10K (1005)
R256	1-208-935-81 s	RES, CHIP 100K (1005)
R257	1-208-927-81 s	RES, CHIP 47K (1005)
R258	1-208-927-81 s	RES, CHIP 47K (1005)
R259	1-208-919-81 s	RES, CHIP 22K (1005)
R260	1-208-899-81 s	RES, CHIP 3.3K (1005)
R261	1-208-911-81 s	RES, CHIP 10K (1005)
R262	1-208-887-81 s	RES, CHIP 1.0K (1005)
R263	1-208-935-81 s	RES, CHIP 100K (1005)
R264	1-208-935-81 s	RES, CHIP 100K (1005)
R265	1-208-935-81 s	RES, CHIP 100K (1005)
R266	1-208-935-81 s	RES, CHIP 100K (1005)
R268	1-208-863-81 s	RES, CHIP 100 (1005)
R269	1-208-855-81 s	RES, CHIP 47 (1005)
R270	1-208-863-81 s	RES, CHIP 100 (1005)
R271	1-208-935-81 s	RES, CHIP 100K (1005)
R272	1-208-871-81 s	RES, CHIP 220 (1005)
R273	1-208-911-81 s	RES, CHIP 10K (1005)
R274	1-208-911-81 s	RES, CHIP 10K (1005)
R275	1-208-911-81 s	RES, CHIP 10K (1005)
R277	1-208-895-81 s	RES, CHIP 2.2K (1005)
R278	1-208-935-81 s	RES, CHIP 100K (1005)
R279	1-220-870-81 s	RES, CHIP 10 (1005)
R280	1-208-887-81 s	RES, CHIP 1.0K (1005)
R281	1-208-863-81 s	RES, CHIP 100 (1005)
R282	1-208-863-81 s	RES, CHIP 100 (1005)
R283	1-208-911-81 s	RES, CHIP 10K (1005)
R287	1-220-870-81 s	RES, CHIP 10 (1005)
R288	1-208-855-81 s	RES, CHIP 47 (1005)
R289	1-208-855-81 s	RES, CHIP 47 (1005)
R290	1-208-935-81 s	RES, CHIP 100K (1005)
R292	1-220-878-81 s	RES, CHIP 22 (1005)
R293	1-208-935-81 s	RES, CHIP 100K (1005)
R294	1-208-911-81 s	RES, CHIP 10K (1005)
R295	1-208-911-81 s	RES, CHIP 10K (1005)
R296	1-208-855-81 s	RES, CHIP 47 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R297	1-220-870-81 s	RES, CHIP 10 (1005)
R298	1-208-887-81 s	RES, CHIP 1.0K (1005)
R299	1-208-887-81 s	RES, CHIP 1.0K (1005)
R302	1-208-903-81 s	RES, CHIP 4.7K (1005)
R303	1-208-903-81 s	RES, CHIP 4.7K (1005)
R304	1-208-927-81 s	RES, CHIP 47K (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	1-220-870-81 s	RES, CHIP 10 (1005)
R309	1-220-870-81 s	RES, CHIP 10 (1005)
R310	1-208-871-81 s	RES, CHIP 220 (1005)
R311	1-208-875-81 s	RES, CHIP 330 (1005)
R312	1-208-927-81 s	RES, CHIP 47K (1005)
R316	1-208-887-81 s	RES, CHIP 1.0K (1005)
R317	1-208-887-81 s	RES, CHIP 1.0K (1005)
R318	1-208-887-81 s	RES, CHIP 1.0K (1005)
R319	1-208-887-81 s	RES, CHIP 1.0K (1005)
R322	1-208-911-81 s	RES, CHIP 10K (1005)
R324	1-208-887-81 s	RES, CHIP 1.0K (1005)
R325	1-220-878-81 s	RES, CHIP 22 (1005)
R326	1-208-903-81 s	RES, CHIP 4.7K (1005)
R327	1-208-887-81 s	RES, CHIP 1.0K (1005)
R328	1-208-871-81 s	RES, CHIP 220 (1005)
R330	1-220-882-81 s	RES, CHIP 33 (1005)
R331	1-220-882-81 s	RES, CHIP 33 (1005)
R332	1-208-863-81 s	RES, CHIP 100 (1005)
R333	1-208-891-81 s	RES, CHIP 1.5K (1005)
R334	1-208-863-81 s	RES, CHIP 100 (1005)
R335	1-208-903-81 s	RES, CHIP 4.7K (1005)
R336	1-208-863-81 s	RES, CHIP 100 (1005)
R337	1-208-863-81 s	RES, CHIP 100 (1005)
R338	1-208-863-81 s	RES, CHIP 100 (1005)
R339	1-208-863-81 s	RES, CHIP 100 (1005)
R340	1-208-863-81 s	RES, CHIP 100 (1005)
R341	1-208-863-81 s	RES, CHIP 100 (1005)
R344	1-208-935-81 s	RES, CHIP 100K (1005)
R345	1-208-871-81 s	RES, CHIP 220 (1005)
R346	1-220-878-81 s	RES, CHIP 22 (1005)
R347	1-208-863-81 s	RES, CHIP 100 (1005)
R348	1-208-927-81 s	RES, CHIP 47K (1005)
R349	1-208-935-81 s	RES, CHIP 100K (1005)
R357	1-208-863-81 s	RES, CHIP 100 (1005)
R358	1-208-863-81 s	RES, CHIP 100 (1005)
R359	1-208-863-81 s	RES, CHIP 100 (1005)
R360	1-208-927-81 s	RES, CHIP 47K (1005)
R361	1-208-863-81 s	RES, CHIP 100 (1005)
R362	1-208-927-81 s	RES, CHIP 47K (1005)
R363	1-208-863-81 s	RES, CHIP 100 (1005)
R364	1-208-927-81 s	RES, CHIP 47K (1005)
R365	1-208-863-81 s	RES, CHIP 100 (1005)
R366	1-208-863-81 s	RES, CHIP 100 (1005)
R367	1-208-863-81 s	RES, CHIP 100 (1005)
R368	1-208-863-81 s	RES, CHIP 100 (1005)
R369	1-208-855-81 s	RES, CHIP 47 (1005)
R370	1-208-863-81 s	RES, CHIP 100 (1005)
R371	1-208-855-81 s	RES, CHIP 47 (1005)
R372	1-208-863-81 s	RES, CHIP 100 (1005)
R374	1-218-990-81 s	CONDUCTOR, CHIP (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R375	1-218-990-81	s CONDUCTOR, CHIP (1005)
R376	1-218-990-81	s CONDUCTOR, CHIP (1005)
R377	1-218-990-81	s CONDUCTOR, CHIP (1005)
R378	1-218-990-81	s CONDUCTOR, CHIP (1005)
R379	1-218-990-81	s CONDUCTOR, CHIP (1005)
R380	1-218-990-81	s CONDUCTOR, CHIP (1005)
R381	1-208-911-81	s RES, CHIP 10K (1005)
R382	1-208-911-81	s RES, CHIP 10K (1005)
R385	1-208-927-81	s RES, CHIP 47K (1005)
R386	1-208-927-81	s RES, CHIP 47K (1005)
R387	1-208-927-81	s RES, CHIP 47K (1005)
R388	1-208-927-81	s RES, CHIP 47K (1005)
R401	1-218-990-81	s CONDUCTOR, CHIP (1005)
R403	1-218-990-81	s CONDUCTOR, CHIP (1005)
R404	1-208-935-81	s RES, CHIP 100K (1005)
R407	1-218-990-81	s CONDUCTOR, CHIP (1005)
R408	1-208-855-81	s RES, CHIP 47 (1005)
R409	1-208-855-81	s RES, CHIP 47 (1005)
R410	1-208-863-81	s RES, CHIP 100 (1005)
R411	1-208-863-81	s RES, CHIP 100 (1005)
R412	1-208-863-81	s RES, CHIP 100 (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	1-208-863-81	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	1-208-935-81	s RES, CHIP 100K (1005)
R422	1-208-935-81	s RES, CHIP 100K (1005)
R423	1-208-863-81	s RES, CHIP 100 (1005)
R424	1-208-863-81	s RES, CHIP 100 (1005)
R425	1-208-863-81	s RES, CHIP 100 (1005)
R426	1-208-887-81	s RES, CHIP 1.0K (1005)
R427	1-208-863-81	s RES, CHIP 100 (1005)
R428	1-208-863-81	s RES, CHIP 100 (1005)
R429	1-208-863-81	s RES, CHIP 100 (1005)
R430	1-208-935-81	s RES, CHIP 100K (1005)
R431	1-208-863-81	s RES, CHIP 100 (1005)
R501	1-208-927-81	s RES, CHIP 47K (1005)
R502	1-208-887-81	s RES, CHIP 1.0K (1005)
R503	1-208-863-81	s RES, CHIP 100 (1005)
R504	1-208-911-81	s RES, CHIP 10K (1005)
R505	1-208-911-81	s RES, CHIP 10K (1005)
R506	1-208-911-81	s RES, CHIP 10K (1005)
R507	1-208-911-81	s RES, CHIP 10K (1005)
R508	1-208-911-81	s RES, CHIP 10K (1005)
R509	1-208-863-81	s RES, CHIP 100 (1005)
R510	1-208-911-81	s RES, CHIP 10K (1005)
R511	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	1-220-878-81	s RES, CHIP 22 (1005)
R516	1-220-878-81	s RES, CHIP 22 (1005)
R517	1-220-878-81	s RES, CHIP 22 (1005)
R518	1-208-863-81	s RES, CHIP 100 (1005)
R519	1-218-990-81	s CONDUCTOR, CHIP (1005)
R520	1-218-990-81	s CONDUCTOR, CHIP (1005)
R521	1-220-878-81	s RES, CHIP 22 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R522	1-220-878-81	s RES, CHIP 22 (1005)
R523	1-208-855-81	s RES, CHIP 47 (1005)
R524	1-208-855-81	s RES, CHIP 47 (1005)
R525	1-208-855-81	s RES, CHIP 47 (1005)
R527	1-208-887-81	s RES, CHIP 1.0K (1005)
R528	1-220-878-81	s RES, CHIP 22 (1005)
R529	1-220-878-81	s RES, CHIP 22 (1005)
R530	1-220-878-81	s RES, CHIP 22 (1005)
R532	1-208-863-81	s RES, CHIP 100 (1005)
R534	1-208-911-81	s RES, CHIP 10K (1005)
RB1	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB2	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB3	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB4	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB5	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB6	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB7	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB8	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB200	1-234-378-21	s RES, NETWORK 10K (1005X4)
RB201	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB202	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB203	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB204	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB205	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB206	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB207	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB208	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB209	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB210	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB211	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB212	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB213	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB214	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB215	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB216	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB217	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB218	1-234-381-21	s RES, NETWORK 100K (1005X4)
RB229	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB230	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB231	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB232	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB233	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB234	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB235	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB236	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB243	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB244	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB245	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB246	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB247	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB248	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB249	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB250	1-234-371-21	s RES, NETWORK 47 (1005X4)
RB300	1-234-378-21	s RES, NETWORK 10K (1005X4)
RB301	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB302	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)

(IF-1129 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RB404	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB501	1-234-378-21	s RES, NETWORK 10K (1005X4)
RB502	1-234-378-21	s RES, NETWORK 10K (1005X4)
RB503	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB504	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB505	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB506	1-234-372-21	s RES, NETWORK 100 (1005X4)
S1	1-692-271-41	s SWITCH, SLIDE
THP1	Δ 1-804-616-21	s THERMISTOR, POSITIVE
THP2	Δ 1-804-616-21	s THERMISTOR, POSITIVE
THP3	Δ 1-804-458-21	s THERMISTOR, POSITIVE
THP4	Δ 1-804-458-21	s THERMISTOR, POSITIVE
THP5	Δ 1-804-458-21	s THERMISTOR, POSITIVE
THP200	Δ 1-804-616-21	s THERMISTOR, POSITIVE
X200	1-813-480-11	s OSCILLATOR, CRYSTAL
X300	1-795-983-11	s OSCILLATOR, CRYSTAL

MB-1158 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1756-588-A	s MOUNTED CIRCUIT BOARD, MB-1158
6pcs	3-729-061-02	s SCREW (M2) (TYPE 1)
C1	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C2	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C3	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C4	1-112-796-11	s CAP, ELECT 47MF
C5	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C6	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C7	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C8	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C10	1-165-884-91	s CAP, CERAMIC 2.2MF (1608)
C11	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C12	1-100-611-91	s CAP, CERAMIC 22MF C (2012)
C13	1-100-611-91	s CAP, CERAMIC 22MF C (2012)
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	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C18	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
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	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C22	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C23	1-165-884-91	s CAP, CERAMIC 2.2MF (1608)
C24	1-165-884-91	s CAP, CERAMIC 2.2MF (1608)
C25	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C27	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C28	1-165-884-91	s CAP, CERAMIC 2.2MF (1608)
C29	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
CN6	1-778-535-31	s CONNECTOR, FFC/FPC(ZIF) AN 45P
CN7	1-778-652-31	s CONNECTOR, FFC (ZIF) 50P
CN8	1-770-620-21	s PIN, CONNECTOR 3P
CN9	1-817-068-21	s CONNECTOR 9P
CN10	1-770-470-21	s PIN, CONNECTOR (PC BOARD) 6P
CN11	1-770-620-21	s PIN, CONNECTOR 3P
CN14	1-793-358-21	s PIN (PWB) (30P), CONNECTOR
CN15	1-770-627-21	s PIN, CONNECTOR 10P
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	1-780-050-21	s CONTACT, ON BOARD
E6	1-780-050-21	s CONTACT, ON BOARD
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	1-414-772-21	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

(MB-1158 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
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
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
FB27	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	1-400-832-21	s SMD EMI FERRITE
FB43	1-400-832-21	s SMD EMI FERRITE
FB44	1-400-832-21	s SMD EMI FERRITE
FB45	1-400-832-21	s SMD EMI FERRITE
FB46	1-400-832-21	s SMD EMI FERRITE
FB47	1-400-832-21	s SMD EMI FERRITE
FB48	1-400-832-21	s SMD EMI FERRITE
FB49	1-400-832-21	s SMD EMI FERRITE
FB50	1-400-832-21	s SMD EMI FERRITE
FB51	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	1-400-832-21	s SMD EMI FERRITE
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	1-400-832-21	s SMD EMI FERRITE
FB73	1-400-832-21	s SMD EMI FERRITE
FB74	1-400-832-21	s SMD EMI FERRITE
FB75	1-400-832-21	s SMD EMI FERRITE
FB77	1-400-832-21	s SMD EMI FERRITE

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Ref. No. or Q'ty	Part No.	SP Description
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
IC1	8-759-669-71	s IC PCF8591T/2
IC2	8-759-672-76	s IC AK9813BF-E2
IC3	8-759-675-54	s IC TC7W53FK(TE85R)
IC5	6-714-067-01	s IC PCA9555DB-T
IC6	6-705-160-01	s IC S-812C33AMC-C2NT2G
IC8	6-706-487-01	s IC TC7SH08FU
IC9	6-706-487-01	s IC TC7SH08FU
IC10	6-705-337-01	s IC TK11150CSCL-G
JC1	1-218-990-81	s CONDUCTOR, CHIP (1005)
JC2	1-218-990-81	s CONDUCTOR, CHIP (1005)
JC3	1-218-990-81	s CONDUCTOR, CHIP (1005)
JC4	1-218-990-81	s CONDUCTOR, CHIP (1005)
JC5	1-216-864-91	s CONDUCTOR, CHIP (1608)
JC6	1-216-864-91	s CONDUCTOR, CHIP (1608)
JC9	1-218-990-81	s CONDUCTOR, CHIP (1005)
L1	1-416-344-21	s COIL, CHOKO 10UH
L2	1-469-549-21	s INDUCTOR, CHIP 1.0UH (LB2016)
L3	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L4	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L5	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L6	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L7	1-457-372-21	s COIL, CHOKO 1UH
L8	1-457-372-21	s COIL, CHOKO 1UH
L9	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L10	1-414-392-41	s INDUCTOR (SMD) 1.0UH
Q1	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q2	8-729-922-11	s TRANSISTOR 2SA1577-T106-QR
Q3	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q4	8-729-922-11	s TRANSISTOR 2SA1577-T106-QR
Q5	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q6	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q7	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q8	6-551-416-01	s TRANSISTOR HAT1139H-EL-E
Q9	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q10	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q11	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q12	8-729-928-82	s TRANSISTOR DTC144EE-TL
R1	1-208-855-81	s RES, CHIP 47 (1005)
R2	1-208-855-81	s RES, CHIP 47 (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	1-208-911-81	s RES, CHIP 10K (1005)
R7	1-208-887-81	s RES, CHIP 1.0K (1005)
R8	1-208-863-81	s RES, CHIP 100 (1005)
R9	1-208-863-81	s RES, CHIP 100 (1005)
R10	1-208-863-81	s RES, CHIP 100 (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	1-208-943-81	s RES, CHIP 220K (1005)
R17	1-208-943-81	s RES, CHIP 220K (1005)

(MB-1158 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R18	1-208-935-81	s RES, CHIP 100K (1005)
R19	1-208-911-81	s RES, CHIP 10K (1005)
R20	1-208-923-81	s RES, CHIP 33K (1005)
R22	1-208-923-81	s RES, CHIP 33K (1005)
R24	1-245-736-11	s RES, METAL FILM(SMD) 47 (1608)
R25	1-245-736-11	s RES, METAL FILM(SMD) 47 (1608)
R27	1-208-865-81	s RES, CHIP 120 (1005)
R28	1-220-878-81	s RES, CHIP 22 (1005)
R29	1-220-878-81	s RES, CHIP 22 (1005)
R30	1-220-878-81	s RES, CHIP 22 (1005)
R31	1-220-878-81	s RES, CHIP 22 (1005)
R32	1-208-911-81	s RES, CHIP 10K (1005)
R33	1-208-923-81	s RES, CHIP 33K (1005)
R34	1-208-859-81	s RES, CHIP 68 (1005)
R35	1-218-965-81	s RES, CHIP 10K (1005)
R36	1-220-878-81	s RES, CHIP 22 (1005)
R37	1-220-878-81	s RES, CHIP 22 (1005)
R38	1-208-887-81	s RES, CHIP 1.0K (1005)
R39	1-208-927-81	s RES, CHIP 47K (1005)
R40	1-208-927-81	s RES, CHIP 47K (1005)
R41	1-208-927-81	s RES, CHIP 47K (1005)
R42	1-208-927-81	s RES, CHIP 47K (1005)
R43	1-208-911-81	s RES, CHIP 10K (1005)
R44	1-208-911-81	s RES, CHIP 10K (1005)
R45	1-218-477-91	s RES, SQUARE TYPE CHIP 220(3225)
R46	1-208-863-81	s RES, CHIP 100 (1005)
R48	1-208-895-81	s RES, CHIP 2.2K (1005)
RB1	1-234-375-21	s RES, NETWORK 1K (1005X4)
RB2	1-234-375-21	s RES, NETWORK 1K (1005X4)
RB3	1-234-375-21	s RES, NETWORK 1K (1005X4)
RB4	1-234-375-21	s RES, NETWORK 1K (1005X4)
RB5	1-234-372-21	s RES, NETWORK 100 (1005X4)
S1	1-786-333-21	s SWITCH, SLIDE (SMD)

NR-80P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1728-606-A	s MOUNTED CIRCUIT BOARD, NR-80P
C4	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C5	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C8	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C9	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C10	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF 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
C13	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C14	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C15	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C16	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C17	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C18	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C19	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C20	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C21	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C22	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF 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	1-100-567-81	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	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C34	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF 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	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C39	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C40	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C41	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C49	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C50	1-165-884-91	s CAP, CERAMIC 2.2MF (1608)
C51	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C52	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C53	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C54	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C55	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C59	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C60	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C61	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C62	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C63	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C64	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C65	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
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
C75	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	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005

(NR-80P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
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	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C85	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C86	1-164-842-81	s CAP,CHIP CERAMIC 2.0PF CK 1005
C87	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C88	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C89	1-125-777-81	s CAP,CHIP CERAMIC 0.1MF B 1005
C90	1-125-777-81	s CAP,CHIP CERAMIC 0.1MF B 1005
C93	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C94	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C95	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C96	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C97	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C98	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C99	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C100	1-125-777-81	s CAP,CHIP CERAMIC 0.1MF B 1005
C101	1-125-777-81	s CAP,CHIP CERAMIC 0.1MF B 1005
C104	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 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
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	1-125-777-81	s CAP,CHIP CERAMIC 0.1MF B 1005
C112	1-125-777-81	s CAP,CHIP CERAMIC 0.1MF B 1005
CN1	1-794-142-31	s CONNECTOR, FFC/FPC(ZIF) AN 36P
CN2	1-778-645-31	s CONNECTOR, FFC/FPC(ZIF) AN 10P
D1	8-719-989-04	s DIODE DAN222-TL
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
ET6	1-780-627-11	s TERMINAL, LUG
FB1	1-469-108-21	s FERRITE, EMI (SMD) (1608)
IC3	6-711-696-01	s IC CY62256VNLL-70ZXCT
IC5	6-712-631-01	s IC CAT24C256XI-T2C
IC6	8-759-669-67	s IC TL074CPWR-12
IC7	8-759-561-46	s IC AD8014ARTZ-REEL7
IC8	8-759-561-46	s IC AD8014ARTZ-REEL7
IC9	6-706-358-02	s IC AD5424YCPZ-REEL7
IC10	6-715-039-01	s IC TC7SZ08FU, RSONYJ
IC11	6-704-099-01	s IC TC7WZ08FK
IC12	8-759-327-01	s IC NJM062V (TE2)
IC13	6-705-673-01	s IC TC7PA53FU (TE85L.F)
IC14	6-705-673-01	s IC TC7PA53FU (TE85L.F)
IC15	8-759-561-46	s IC AD8014ARTZ-REEL7
IC16	8-759-561-46	s IC AD8014ARTZ-REEL7
IC17	8-759-561-46	s IC AD8014ARTZ-REEL7
IC18	6-705-673-01	s IC TC7PA53FU (TE85L.F)
IC19	6-704-099-01	s IC TC7WZ08FK
IC20	6-705-673-01	s IC TC7PA53FU (TE85L.F)
IC21	8-759-561-46	s IC AD8014ARTZ-REEL7
IC22	8-759-561-46	s IC AD8014ARTZ-REEL7

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Ref. No. or Q'ty	Part No.	SP Description
IC23	6-705-673-01	s IC TC7PA53FU (TE85L.F)
IC24	6-704-099-01	s IC TC7WZ08FK
IC25	6-705-673-01	s IC TC7PA53FU (TE85L.F)
IC26	8-759-561-46	s IC AD8014ARTZ-REEL7
IC27	8-759-561-46	s IC AD8014ARTZ-REEL7
L1	1-414-398-41	s INDUCTOR (SMD) 10.0UH
L2	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L3	1-414-392-41	s INDUCTOR (SMD) 1.0UH
R1	1-220-870-81	s RES, CHIP 10 (1005)
R2	1-220-870-81	s RES, CHIP 10 (1005)
R3	1-220-870-81	s RES, CHIP 10 (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)
R10	1-218-990-81	s CONDUCTOR, CHIP (1005)
R11	1-218-990-81	s CONDUCTOR, CHIP (1005)
R17	1-218-990-81	s CONDUCTOR, CHIP (1005)
R18	1-208-863-81	s RES, CHIP 100 (1005)
R20	1-218-990-81	s CONDUCTOR, CHIP (1005)
R21	1-218-990-81	s CONDUCTOR, CHIP (1005)
R22	1-208-911-81	s RES, CHIP 10K (1005)
R23	1-208-911-81	s RES, CHIP 10K (1005)
R24	1-208-863-81	s RES, CHIP 100 (1005)
R25	1-208-863-81	s RES, CHIP 100 (1005)
R27	1-208-919-81	s RES, CHIP 22K (1005)
R28	1-208-895-81	s RES, CHIP 2.2K (1005)
R29	1-208-895-81	s RES, CHIP 2.2K (1005)
R30	1-208-895-81	s RES, CHIP 2.2K (1005)
R31	1-208-879-81	s RES, CHIP 470 (1005)
R32	1-208-879-81	s RES, CHIP 470 (1005)
R33	1-208-879-81	s RES, CHIP 470 (1005)
R34	1-208-863-81	s RES, CHIP 100 (1005)
R35	1-208-863-81	s RES, CHIP 100 (1005)
R36	1-208-863-81	s RES, CHIP 100 (1005)
R37	1-208-927-81	s RES, CHIP 47K (1005)
R38	1-208-911-81	s RES, CHIP 10K (1005)
R39	1-208-899-81	s RES, CHIP 3.3K (1005)
R40	1-220-882-81	s RES, CHIP 33 (1005)
R41	1-220-882-81	s RES, CHIP 33 (1005)
R42	1-220-882-81	s RES, CHIP 33 (1005)
R46	1-208-867-81	s RES, CHIP 150 (1005)
R47	1-208-863-81	s RES, CHIP 100 (1005)
R49	1-218-990-81	s CONDUCTOR, CHIP (1005)
R51	1-218-990-81	s CONDUCTOR, CHIP (1005)
R53	1-218-990-81	s CONDUCTOR, CHIP (1005)
R54	1-208-887-81	s RES, CHIP 1.0K (1005)
R55	1-218-990-81	s CONDUCTOR, CHIP (1005)
R56	1-218-990-81	s CONDUCTOR, CHIP (1005)
R57	1-218-990-81	s CONDUCTOR, CHIP (1005)
R58	1-208-887-81	s RES, CHIP 1.0K (1005)
R59	1-208-899-81	s RES, CHIP 3.3K (1005)
R60	1-208-899-81	s RES, CHIP 3.3K (1005)
R61	1-208-915-81	s RES, CHIP 15K (1005)
R62	1-208-863-81	s RES, CHIP 100 (1005)
R63	1-208-863-81	s RES, CHIP 100 (1005)
R64	1-208-863-81	s RES, CHIP 100 (1005)
R65	1-208-863-81	s RES, CHIP 100 (1005)
R69	1-208-863-81	s RES, CHIP 100 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R72	1-208-915-81	s RES, CHIP 15K (1005)
R73	1-218-990-81	s CONDUCTOR, CHIP (1005)
R74	1-218-990-81	s CONDUCTOR, CHIP (1005)
R75	1-218-990-81	s CONDUCTOR, CHIP (1005)
R76	1-208-911-81	s RES, CHIP 10K (1005)
R77	1-220-878-81	s RES, CHIP 22 (1005)
R78	1-218-990-81	s CONDUCTOR, CHIP (1005)
R79	1-220-878-81	s RES, CHIP 22 (1005)
R80	1-218-990-81	s CONDUCTOR, CHIP (1005)
R81	1-218-990-81	s CONDUCTOR, CHIP (1005)
R82	1-218-990-81	s CONDUCTOR, CHIP (1005)
R83	1-218-990-81	s CONDUCTOR, CHIP (1005)
R87	1-220-870-81	s RES, CHIP 10 (1005)
R88	1-220-870-81	s RES, CHIP 10 (1005)
R89	1-220-870-81	s RES, CHIP 10 (1005)
R90	1-208-895-81	s RES, CHIP 2.2K (1005)
R91	1-208-911-81	s RES, CHIP 10K (1005)
R93	1-208-911-81	s RES, CHIP 10K (1005)
R94	1-218-990-81	s CONDUCTOR, CHIP (1005)
R95	1-218-990-81	s CONDUCTOR, CHIP (1005)
R96	1-218-990-81	s CONDUCTOR, CHIP (1005)
R97	1-220-870-81	s RES, CHIP 10 (1005)
R98	1-220-878-81	s RES, CHIP 22 (1005)
R99	1-208-887-81	s RES, CHIP 1.0K (1005)
R100	1-208-887-81	s RES, CHIP 1.0K (1005)
R104	1-220-870-81	s RES, CHIP 10 (1005)
R105	1-220-870-81	s RES, CHIP 10 (1005)
R106	1-220-870-81	s RES, CHIP 10 (1005)
R107	1-208-863-81	s RES, CHIP 100 (1005)
R108	1-208-887-81	s RES, CHIP 1.0K (1005)
R109	1-208-887-81	s RES, CHIP 1.0K (1005)
R110	1-208-863-81	s RES, CHIP 100 (1005)
R111	1-208-863-81	s RES, CHIP 100 (1005)
R114	1-208-863-81	s RES, CHIP 100 (1005)
R115	1-208-863-81	s RES, CHIP 100 (1005)
R120	1-218-990-81	s CONDUCTOR, CHIP (1005)
R121	1-218-990-81	s CONDUCTOR, CHIP (1005)
R122	1-220-878-81	s RES, CHIP 22 (1005)
R123	1-218-990-81	s CONDUCTOR, CHIP (1005)
R124	1-220-878-81	s RES, CHIP 22 (1005)
R125	1-218-990-81	s CONDUCTOR, CHIP (1005)
R126	1-208-895-81	s RES, CHIP 2.2K (1005)
R127	1-208-911-81	s RES, CHIP 10K (1005)
R129	1-208-911-81	s RES, CHIP 10K (1005)
R130	1-208-887-81	s RES, CHIP 1.0K (1005)
R131	1-208-887-81	s RES, CHIP 1.0K (1005)
R132	1-208-887-81	s RES, CHIP 1.0K (1005)
R133	1-208-887-81	s RES, CHIP 1.0K (1005)
R134	1-208-863-81	s RES, CHIP 100 (1005)
R135	1-208-863-81	s RES, CHIP 100 (1005)
R138	1-208-863-81	s RES, CHIP 100 (1005)
R139	1-208-863-81	s RES, CHIP 100 (1005)
R144	1-218-990-81	s CONDUCTOR, CHIP (1005)
R145	1-218-990-81	s CONDUCTOR, CHIP (1005)
R146	1-220-878-81	s RES, CHIP 22 (1005)
R147	1-218-990-81	s CONDUCTOR, CHIP (1005)
R148	1-220-878-81	s RES, CHIP 22 (1005)
R149	1-218-990-81	s CONDUCTOR, CHIP (1005)
R150	1-208-895-81	s RES, CHIP 2.2K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R151	1-208-911-81	s RES, CHIP 10K (1005)
R153	1-208-911-81	s RES, CHIP 10K (1005)
R154	1-208-887-81	s RES, CHIP 1.0K (1005)
R155	1-208-887-81	s RES, CHIP 1.0K (1005)
R156	1-208-887-81	s RES, CHIP 1.0K (1005)
R157	1-208-887-81	s RES, CHIP 1.0K (1005)
R158	1-208-863-81	s RES, CHIP 100 (1005)
R159	1-208-863-81	s RES, CHIP 100 (1005)
R162	1-208-863-81	s RES, CHIP 100 (1005)
R163	1-218-929-81	s RES, CHIP 10 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
C1	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C2	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C3	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C4	1-100-816-21	s CAP, ELECT 33MF (5.6X6.5)
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	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C8	1-100-816-21	s CAP, ELECT 33MF (5.6X6.5)
C9	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C10	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C11	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C12	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
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	1-165-629-91	s CAP, CERAMIC 1000000PF B(3225)
C18	1-165-629-91	s CAP, CERAMIC 1000000PF B(3225)
C19	1-165-629-91	s CAP, CERAMIC 1000000PF B(3225)
C20	1-165-629-91	s CAP, CERAMIC 1000000PF B(3225)
C21	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
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	1-112-300-91	s CAP, CERAMIC 4.7MF B (2012)
C25	1-112-300-91	s CAP, CERAMIC 4.7MF B (2012)
C26	1-112-300-91	s CAP, CERAMIC 4.7MF B (2012)
C27	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C28	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C29	1-112-300-91	s CAP, CERAMIC 4.7MF B (2012)
C30	1-112-300-91	s CAP, CERAMIC 4.7MF B (2012)
C31	1-135-349-21	s CAP, ELECT 22MF (6.3X6)
C32	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C33	1-164-840-81	s CAP, CHIP CERAMIC 1PF CK 1005
C34	1-164-840-81	s CAP, CHIP CERAMIC 1PF CK 1005
C35	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C36	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C37	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C38	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C39	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C40	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C41	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C42	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
C45	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C46	1-112-717-91	s CAP, CERAMIC 1UF 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	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C50	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C51	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C52	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C53	1-165-871-21	s CAP, ELECT 22MF (4.0X5.5)
C54	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C55	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C56	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C57	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C58	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C59	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C60	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C61	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C62	1-165-871-21	s CAP, ELECT 22MF (4.0X5.5)
C63	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C65	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C66	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C67	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
CN1	1-778-652-31	s CONNECTOR, FFC (ZIF) 50P
D1	8-719-056-48	s DI 1SS388
D2	8-719-056-48	s DI 1SS388
D3	8-719-989-04	s DIODE DAN222-TL
D4	8-719-989-04	s DIODE DAN222-TL
D5	8-719-210-46	s DIODE EC10QS-06-TE12L
FB1	1-469-122-21	s FERRITE, EMI (SMD) (1608)
FB2	1-469-122-21	s FERRITE, EMI (SMD) (1608)
FB3	1-400-334-21	s FERRITE, EMI (SMD) (1608)
FB4	1-400-334-21	s FERRITE, EMI (SMD) (1608)
FB5	1-469-122-21	s FERRITE, EMI (SMD) (1608)
IC3	6-706-863-01	s IC LMH6732MFX/NOPB
IC4	6-706-863-01	s IC LMH6732MFX/NOPB
IC5	8-753-240-64	s IC CXA3647CR-T4
IC6	8-759-346-27	s IC LM45BIM3X
Q1	8-729-809-73	s TRANSISTOR 2SK536-TB
R3	1-244-161-81	s RES, CHIP 2.2 (1005)
R4	1-244-161-81	s RES, CHIP 2.2 (1005)
R5	1-208-935-81	s RES, CHIP 100K (1005)
R6	1-218-990-81	s CONDUCTOR, CHIP (1005)
R7	1-218-990-81	s CONDUCTOR, CHIP (1005)
R8	1-208-911-81	s RES, CHIP 10K (1005)
R9	1-208-911-81	s RES, CHIP 10K (1005)
R10	1-208-895-81	s RES, CHIP 2.2K (1005)
R11	1-208-903-81	s RES, CHIP 4.7K (1005)
R12	1-208-919-81	s RES, CHIP 22K (1005)
R13	1-208-911-81	s RES, CHIP 10K (1005)
R14	1-208-895-81	s RES, CHIP 2.2K (1005)
R15	1-208-935-81	s RES, CHIP 100K (1005)
R16	1-208-935-81	s RES, CHIP 100K (1005)
R17	1-208-959-81	s RES, CHIP 1M (1005)
R18	1-208-863-81	s RES, CHIP 100 (1005)
R19	1-218-990-81	s CONDUCTOR, CHIP (1005)
R20	1-208-959-81	s RES, CHIP 1M (1005)
R21	1-208-855-81	s RES, CHIP 47 (1005)
R22	1-218-990-81	s CONDUCTOR, CHIP (1005)
R23	1-218-990-81	s CONDUCTOR, CHIP (1005)
R24	1-208-875-81	s RES, CHIP 330 (1005)
R27	1-208-875-81	s RES, CHIP 330 (1005)
R30	1-208-919-81	s RES, CHIP 22K (1005)
R31	1-208-903-81	s RES, CHIP 4.7K (1005)
R32	1-208-919-81	s RES, CHIP 22K (1005)
R33	1-208-887-81	s RES, CHIP 1.0K (1005)
R34	1-208-919-81	s RES, CHIP 22K (1005)
R35	1-220-878-81	s RES, CHIP 22 (1005)
R36	1-220-878-81	s RES, CHIP 22 (1005)
R37	1-208-931-81	s RES, CHIP 68K (1005)
R38	1-208-931-81	s RES, CHIP 68K (1005)
R39	1-208-863-81	s RES, CHIP 100 (1005)
R40	1-208-863-81	s RES, CHIP 100 (1005)
R41	1-208-887-81	s RES, CHIP 1.0K (1005)
R42	1-208-887-81	s RES, CHIP 1.0K (1005)
R43	1-208-871-81	s RES, CHIP 220 (1005)
R44	1-208-871-81	s RES, CHIP 220 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R45	1-208-935-81	s RES, CHIP 100K (1005)
R46	1-208-935-81	s RES, CHIP 100K (1005)
R47	1-208-879-81	s RES, CHIP 470 (1005)
R48	1-208-879-81	s RES, CHIP 470 (1005)
R49	1-220-870-81	s RES, CHIP 10 (1005)
R50	1-220-870-81	s RES, CHIP 10 (1005)
R51	1-208-895-81	s RES, CHIP 2.2K (1005)
R52	1-208-887-81	s RES, CHIP 1.0K (1005)
R53	1-208-911-81	s RES, CHIP 10K (1005)
R56	1-218-990-81	s CONDUCTOR, CHIP (1005)
R57	1-208-879-81	s RES, CHIP 470 (1005)
R58	1-208-911-81	s RES, CHIP 10K (1005)
R59	1-218-990-81	s CONDUCTOR, CHIP (1005)
R60	1-208-855-81	s RES, CHIP 47 (1005)
R61	1-208-855-81	s RES, CHIP 47 (1005)
R62	1-208-855-81	s RES, CHIP 47 (1005)
R63	1-218-990-81	s CONDUCTOR, CHIP (1005)
R64	1-208-855-81	s RES, CHIP 47 (1005)
R65	1-208-855-81	s RES, CHIP 47 (1005)
R66	1-208-855-81	s RES, CHIP 47 (1005)
R67	1-208-855-81	s RES, CHIP 47 (1005)
R68	1-208-855-81	s RES, CHIP 47 (1005)
R70	1-218-929-81	s RES, CHIP 10 (1005)
R71	1-208-887-81	s RES, CHIP 1.0K (1005)
R72	1-208-887-81	s RES, CHIP 1.0K (1005)
R75	1-208-907-81	s RES, CHIP 6.8K (1005)
R76	1-208-895-81	s RES, CHIP 2.2K (1005)
R80	1-208-871-81	s RES, CHIP 220 (1005)
R81	1-208-883-81	s RES, CHIP 680 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
3pcs	3-729-061-02	s SCREW (M2) (TYPE 1)
C101	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C104	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C105	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C107	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C108	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C109	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C110	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C111	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C112	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C114	1-114-236-21	s CAP, CERAMIC 22MF B (3225)
C115	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C116	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C201	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C202	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C203	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C204	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C205	1-114-112-11	s CAP, ELECT 100MF (6.3X7.7)
C206	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C207	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C208	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C209	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C210	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C301	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C302	1-164-866-81	s CAP, CHIP CERAMIC 47PF CH 1005
C303	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C304	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C305	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C306	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C307	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C308	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C309	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C310	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C311	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C312	1-165-875-91	s CAP, CHIP CERAMIC 10MF B 3216
C313	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C314	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C315	1-162-970-91	s CAP, CERAMIC 0.01MF B 1608
C316	1-114-236-21	s CAP, CERAMIC 22MF B (3225)
C317	1-114-236-21	s CAP, CERAMIC 22MF B (3225)
C318	1-114-509-11	s CAP, ELECT 150MF (6.3X7.7)
C319	1-112-784-11	s CAP, ELECT 220MF(6.3X5.8)
C320	1-100-672-91	s CAP, CERAMIC 10MF C (3216)
C321	1-100-672-91	s CAP, CERAMIC 10MF C (3216)
C322	1-100-672-91	s CAP, CERAMIC 10MF C (3216)
C323	1-100-672-91	s CAP, CERAMIC 10MF C (3216)
C324	1-165-947-91	s CAP, CHIP CERAMIC 2.2MF B 3225
C326	1-162-970-91	s CAP, CERAMIC 0.01MF B 1608
C327	1-162-970-91	s CAP, CERAMIC 0.01MF B 1608
C328	1-162-970-91	s CAP, CERAMIC 0.01MF B 1608
C329	1-114-236-21	s CAP, CERAMIC 22MF B (3225)
C330	1-114-236-21	s CAP, CERAMIC 22MF B (3225)
C351	1-100-672-91	s CAP, CERAMIC 10MF C (3216)
C352	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C353	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C355	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C356	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C357	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608

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Ref. No. or Q'ty	Part No.	SP Description
C358	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C359	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C381	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C382	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C383	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C384	1-112-785-11 s	CAP, ELECT(SOLID)
C386	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C387	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C401	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C402	1-165-629-91 s	CAP, CERAMIC 1000000PF B(3225)
C403	1-165-629-91 s	CAP, CERAMIC 1000000PF B(3225)
C404	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C405	1-114-112-11 s	CAP, ELECT 100MF (6.3X7.7)
C406	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C407	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C408	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C451	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C452	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C453	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C454	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C455	1-114-509-11 s	CAP, ELECT 150MF (6.3X7.7)
C456	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C457	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C458	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C501	1-114-983-91 s	CAP, CHIP CERAMIC 2.2MF B 1608
C502	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF(1005)
C503	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C504	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C505	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C506	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C507	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C508	1-165-629-91 s	CAP, CERAMIC 1000000PF B(3225)
C509	1-165-629-91 s	CAP, CERAMIC 1000000PF B(3225)
C510	1-165-629-91 s	CAP, CERAMIC 1000000PF B(3225)
C512	1-165-629-91 s	CAP, CERAMIC 1000000PF B(3225)
C513	1-165-629-91 s	CAP, CERAMIC 1000000PF B(3225)
C601	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C602	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C603	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C604	1-114-112-11 s	CAP, ELECT 100MF (6.3X7.7)
C605	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C606	1-100-672-91 s	CAP, CERAMIC 10MF C (3216)
C664	1-164-937-81 s	CAP, CHIP CERAMIC 1000PF B 1005
D101	8-719-016-75 s	DIODE 1SS352-TPH3
D201	8-719-069-28 s	DI 1SS400FJTE61
D202	8-719-069-28 s	DI 1SS400FJTE61
D203	8-719-072-43 s	DIODE RB050L-40TE25
D204	8-719-938-77 s	DIODE SB05-05C-TB-E
D205	8-719-051-04 s	DIODE EC10QS04-TE12L5
D301	8-719-069-28 s	DI 1SS400FJTE61
D302	8-719-938-77 s	DIODE SB05-05C-TB-E
D303	8-719-938-77 s	DIODE SB05-05C-TB-E
D351	8-719-072-43 s	DIODE RB050L-40TE25
D352	8-719-069-28 s	DI 1SS400FJTE61
D401	8-719-072-43 s	DIODE RB050L-40TE25
D451	8-719-072-43 s	DIODE RB050L-40TE25
D501	6-501-123-01 s	DIODE RB160M-60TR
D502	8-719-069-28 s	DI 1SS400FJTE61

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Ref. No. or Q'ty	Part No.	SP Description
D601	8-719-072-43 s	DIODE RB050L-40TE25
D602	8-719-069-28 s	DI 1SS400FJTE61
D653	8-719-083-60 s	DI UDZSUSTE-174.7B
E101	1-535-877-22 s	CHIP, CHECKER
E102	1-535-877-22 s	CHIP, CHECKER
FB201	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB202	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB351	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB381	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB401	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB402	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB451	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB452	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB601	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB602	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
IC101	8-759-338-95 s	IC NJM2903V(TE2)
IC102	6-711-947-01 s	IC MM1431CURE
IC103	6-704-643-01 s	IC R3112N221A-TR-FE
IC104	6-704-643-01 s	IC R3112N221A-TR-FE
IC105	8-759-346-27 s	IC LM45BM3X
IC106	8-759-337-40 s	IC NJM2904V(TE2)
IC201	6-711-654-01 s	IC TPS5420DRG4
IC202	8-759-337-40 s	IC NJM2904V(TE2)
IC203	8-759-338-95 s	IC NJM2903V(TE2)
IC301	6-702-510-01 s	IC TPS5120DBTRG4
IC351	6-705-480-01 s	IC LT3467ES6#TR
IC381	6-708-889-01 s	IC MP2105DJ-LF-Z
IC401	6-711-654-01 s	IC TPS5420DRG4
IC451	6-711-654-01 s	IC TPS5420DRG4
IC501	6-703-223-01 s	IC MAX668EUB+TG069
IC601	6-711-654-01 s	IC TPS5420DRG4
L201	1-416-511-21 s	COIL, CHOKE 47.0UH
L301	1-481-180-21 s	INDUCTOR 10UH
L302	1-481-180-21 s	INDUCTOR 10UH
L303	1-457-575-21 s	COIL, CHOKE (SMD) 3.3UH (10X10)
L304	1-456-622-21 s	COIL, CHOKE 1UH
L305	1-456-622-21 s	COIL, CHOKE 1UH
L308	1-456-554-21 s	COIL, CHOKE 1.6UH
L351	1-416-344-21 s	COIL, CHOKE 10UH
L352	1-414-392-41 s	INDUCTOR (SMD) 1.0UH
L381	1-416-344-21 s	COIL, CHOKE 10UH
L382	1-414-392-41 s	INDUCTOR (SMD) 1.0UH
L401	1-457-454-11 s	CHOKE COIL 47UH
L451	1-416-758-21 s	COIL, CHOKE (SMD) 22UH
L501	1-414-392-41 s	INDUCTOR (SMD) 1.0UH
L502	1-416-510-21 s	COIL, CHOKE 100UH
L503	1-414-392-41 s	INDUCTOR (SMD) 1.0UH
L601	1-416-606-21 s	COIL, CHOKE (SMD) 47UH
Q101	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q102	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q103	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q104	8-729-929-27 s	TRANSISTOR DTC114TE-TL
Q105	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q106	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q107	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q110	8-729-929-27 s	TRANSISTOR DTC114TE-TL
Q111	8-729-929-27 s	TRANSISTOR DTC114TE-TL

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Ref. No. or Q'ty	Part No.	SP	Description
Q112	8-729-929-27	s	TRANSISTOR DTC114TE-TL
Q113	6-551-416-01	s	TRANSISTOR HAT1139H-EL-E
Q115	8-729-929-27	s	TRANSISTOR DTC114TE-TL
Q301	6-551-736-01	s	TRANSISTOR FDS6690AS
Q302	6-551-736-01	s	TRANSISTOR FDS6690AS
Q303	8-729-929-27	s	TRANSISTOR DTC114TE-TL
Q304	8-729-929-27	s	TRANSISTOR DTC114TE-TL
Q305	8-729-929-27	s	TRANSISTOR DTC114TE-TL
Q306	8-729-929-27	s	TRANSISTOR DTC114TE-TL
Q307	8-729-929-27	s	TRANSISTOR DTC114TE-TL
Q308	8-729-046-04	s	TRANSISTOR FDS6690A
Q309	8-729-046-04	s	TRANSISTOR FDS6690A
Q381	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q382	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q401	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q451	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q501	6-551-384-01	s	TRANSISTOR 2SK2857
Q601	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q602	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
R101	1-208-911-81	s	RES, CHIP 10K (1005)
R102	1-208-899-81	s	RES, CHIP 3.3K (1005)
R103	1-208-863-81	s	RES, CHIP 100 (1005)
R104	1-208-911-81	s	RES, CHIP 10K (1005)
R105	1-208-899-81	s	RES, CHIP 3.3K (1005)
R106	1-208-879-81	s	RES, CHIP 470 (1005)
R107	1-208-911-81	s	RES, CHIP 10K (1005)
R108	1-218-855-91	s	RES, CHIP 2.2K (1608)
R109	1-218-855-91	s	RES, CHIP 2.2K (1608)
R111	1-208-895-81	s	RES, CHIP 2.2K (1005)
R112	1-208-927-81	s	RES, CHIP 47K (1005)
R114	1-208-927-81	s	RES, CHIP 47K (1005)
R115	1-208-927-81	s	RES, CHIP 47K (1005)
R116	1-208-911-81	s	RES, CHIP 10K (1005)
R117	1-208-927-81	s	RES, CHIP 47K (1005)
R118	1-208-927-81	s	RES, CHIP 47K (1005)
R119	1-208-911-81	s	RES, CHIP 10K (1005)
R120	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R121	1-208-923-81	s	RES, CHIP 33K (1005)
R122	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R123	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R125	1-208-911-81	s	RES, CHIP 10K (1005)
R126	1-208-911-81	s	RES, CHIP 10K (1005)
R127	1-208-911-81	s	RES, CHIP 10K (1005)
R128	1-208-907-81	s	RES, CHIP 6.8K (1005)
R129	1-208-927-81	s	RES, CHIP 47K (1005)
R130	1-208-911-81	s	RES, CHIP 10K (1005)
R132	1-208-927-81	s	RES, CHIP 47K (1005)
R133	1-208-911-81	s	RES, CHIP 10K (1005)
R134	1-208-863-81	s	RES, CHIP 100 (1005)
R136	1-208-927-81	s	RES, CHIP 47K (1005)
R138	1-208-911-81	s	RES, CHIP 10K (1005)
R139	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R140	1-208-919-81	s	RES, CHIP 22K (1005)
R141	1-208-935-81	s	RES, CHIP 100K (1005)
R142	1-208-911-81	s	RES, CHIP 10K (1005)
R143	1-208-913-81	s	RES, CHIP 12K (1005)
R144	1-208-931-81	s	RES, CHIP 68K (1005)
R145	1-208-919-81	s	RES, CHIP 22K (1005)
R146	1-216-864-91	s	CONDUCTOR, CHIP (1608)

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Ref. No. or Q'ty	Part No.	SP	Description
R201	1-208-863-81	s	RES, CHIP 100 (1005)
R203	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R204	1-208-911-81	s	RES, CHIP 10K (1005)
R205	1-208-935-81	s	RES, CHIP 100K (1005)
R206	1-208-935-81	s	RES, CHIP 100K (1005)
R207	1-208-935-81	s	RES, CHIP 100K (1005)
R208	1-208-935-81	s	RES, CHIP 100K (1005)
R209	1-208-935-81	s	RES, CHIP 100K (1005)
R210	1-208-923-81	s	RES, CHIP 33K (1005)
R211	1-208-895-81	s	RES, CHIP 2.2K (1005)
R212	1-208-863-81	s	RES, CHIP 100 (1005)
R213	1-208-935-81	s	RES, CHIP 100K (1005)
R214	1-208-883-81	s	RES, CHIP 680 (1005)
R215	1-208-913-81	s	RES, CHIP 12K (1005)
R216	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R217	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R218	1-208-927-81	s	RES, CHIP 47K (1005)
R219	1-208-919-81	s	RES, CHIP 22K (1005)
R220	1-208-913-81	s	RES, CHIP 12K (1005)
R221	1-208-911-81	s	RES, CHIP 10K (1005)
R222	1-208-939-81	s	RES, CHIP 150K (1005)
R301	1-208-935-81	s	RES, CHIP 100K (1005)
R302	1-208-919-81	s	RES, CHIP 22K (1005)
R304	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R305	1-208-915-81	s	RES, CHIP 15K (1005)
R306	1-208-915-81	s	RES, CHIP 15K (1005)
R307	1-208-863-81	s	RES, CHIP 100 (1005)
R308	1-208-863-81	s	RES, CHIP 100 (1005)
R309	1-208-887-81	s	RES, CHIP 1.0K (1005)
R310	1-208-879-81	s	RES, CHIP 470 (1005)
R311	1-208-903-81	s	RES, CHIP 4.7K (1005)
R312	1-208-903-81	s	RES, CHIP 4.7K (1005)
R313	1-208-935-81	s	RES, CHIP 100K (1005)
R314	1-208-903-81	s	RES, CHIP 4.7K (1005)
R315	1-208-903-81	s	RES, CHIP 4.7K (1005)
R316	1-208-927-81	s	RES, CHIP 47K (1005)
R317	1-208-879-81	s	RES, CHIP 470 (1005)
R318	1-208-907-81	s	RES, CHIP 6.8K (1005)
R319	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R320	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R321	1-220-870-81	s	RES, CHIP 10 (1005)
R322	1-208-915-81	s	RES, CHIP 15K (1005)
R323	1-208-923-81	s	RES, CHIP 33K (1005)
R324	1-220-870-81	s	RES, CHIP 10 (1005)
R325	1-208-915-81	s	RES, CHIP 15K (1005)
R326	1-208-887-81	s	RES, CHIP 1.0K (1005)
R327	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R328	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R351	1-208-935-81	s	RES, CHIP 100K (1005)
R352	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R353	1-208-863-81	s	RES, CHIP 100 (1005)
R354	1-208-943-81	s	RES, CHIP 220K (1005)
R355	1-208-915-81	s	RES, CHIP 15K (1005)
R356	1-208-899-81	s	RES, CHIP 3.3K (1005)
R357	1-208-927-81	s	RES, CHIP 47K (1005)
R358	1-208-927-81	s	RES, CHIP 47K (1005)
R381	1-208-947-81	s	RES, CHIP 330K (1005)
R382	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R383	1-208-863-81	s	RES, CHIP 100 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R384	1-208-951-81	s RES, CHIP 470K (1005)
R385	1-208-943-81	s RES, CHIP 220K (1005)
R386	1-208-891-81	s RES, CHIP 1.5K (1005)
R387	1-208-911-81	s RES, CHIP 10K (1005)
R388	1-208-927-81	s RES, CHIP 47K (1005)
R401	1-208-863-81	s RES, CHIP 100 (1005)
R402	1-208-903-81	s RES, CHIP 4.7K (1005)
R403	1-208-927-81	s RES, CHIP 47K (1005)
R404	1-208-907-81	s RES, CHIP 6.8K (1005)
R405	1-208-895-81	s RES, CHIP 2.2K (1005)
R406	1-208-927-81	s RES, CHIP 47K (1005)
R407	1-208-927-81	s RES, CHIP 47K (1005)
R451	1-208-863-81	s RES, CHIP 100 (1005)
R452	1-208-871-81	s RES, CHIP 220 (1005)
R453	1-208-927-81	s RES, CHIP 47K (1005)
R454	1-208-911-81	s RES, CHIP 10K (1005)
R455	1-208-899-81	s RES, CHIP 3.3K (1005)
R456	1-208-931-81	s RES, CHIP 68K (1005)
R457	1-208-927-81	s RES, CHIP 47K (1005)
R459	1-208-951-81	s RES, CHIP 470K (1005)
R460	1-208-951-81	s RES, CHIP 470K (1005)
R501	1-208-935-81	s RES, CHIP 100K (1005)
R502	1-208-935-81	s RES, CHIP 100K (1005)
R503	1-220-870-81	s RES, CHIP 10 (1005)
R504	1-218-990-81	s CONDUCTOR, CHIP (1005)
R505	1-211-737-91	s RES,SQUARE TYPE CHIP 0.47 3225
R506	1-208-863-81	s RES, CHIP 100 (1005)
R507	1-208-927-81	s RES, CHIP 47K (1005)
R508	1-208-939-81	s RES, CHIP 150K (1005)
R509	1-208-911-81	s RES, CHIP 10K (1005)
R510	1-208-879-81	s RES, CHIP 470 (1005)
R511	1-208-935-81	s RES, CHIP 100K (1005)
R512	1-208-919-81	s RES, CHIP 22K (1005)
R513	1-208-899-81	s RES, CHIP 3.3K (1005)
R601	1-208-935-81	s RES, CHIP 100K (1005)
R602	1-208-863-81	s RES, CHIP 100 (1005)
R603	1-208-895-81	s RES, CHIP 2.2K (1005)
R604	1-208-927-81	s RES, CHIP 47K (1005)
R605	1-208-911-81	s RES, CHIP 10K (1005)
R606	1-218-990-81	s CONDUCTOR, CHIP (1005)
R607	1-208-919-81	s RES, CHIP 22K (1005)
R608	1-208-931-81	s RES, CHIP 68K (1005)
R609	1-208-927-81	s RES, CHIP 47K (1005)
R610	1-208-887-81	s RES, CHIP 1.0K (1005)
R611	1-208-927-81	s RES, CHIP 47K (1005)
R612	1-208-911-81	s RES, CHIP 10K (1005)

SW-1485 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1756-583-A	s MOUNTED CIRCUIT BOARD, SW-1485
C1	1-100-055-21	s CAP, CHIP CERAMIC 22MF B 3225
C2	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C5	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C6	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C9	1-164-882-81	s CAP,CHIP CERAMIC 220PF CH 1005
C11	1-164-882-81	s CAP,CHIP CERAMIC 220PF CH 1005
C12	1-164-882-81	s CAP,CHIP CERAMIC 220PF CH 1005
C13	1-164-882-81	s CAP,CHIP CERAMIC 220PF CH 1005
C14	1-100-671-91	s CAP, CERAMIC 4.7MF C (3216)
C15	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C16	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C17	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C18	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C20	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C21	1-100-671-91	s CAP, CERAMIC 4.7MF C (3216)
C23	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C24	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C25	1-114-582-91	s CAP, CERAMIC 0.1MF 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	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C29	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C30	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C31	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C32	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C33	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C34	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C35	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
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	1-119-869-91	s CAP, CHIP CERAMIC 10MF 3225
C39	1-119-869-91	s CAP, CHIP CERAMIC 10MF 3225
C40	1-119-869-91	s CAP, CHIP CERAMIC 10MF 3225
C41	1-164-939-81	s CAP, CHIP CERAMIC 2200PF B 1005
C42	1-164-939-81	s CAP, CHIP CERAMIC 2200PF B 1005
C43	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C44	1-164-939-81	s CAP, CHIP CERAMIC 2200PF B 1005
C45	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C46	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C47	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C48	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C49	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C50	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C51	1-164-940-81	s CAP,CHIP CERAMIC 3300PF B 1005
C52	1-164-940-81	s CAP,CHIP CERAMIC 3300PF B 1005
C53	1-164-940-81	s CAP,CHIP CERAMIC 3300PF B 1005
C54	1-164-940-81	s CAP,CHIP CERAMIC 3300PF B 1005
C55	1-114-236-21	s CAP, CERAMIC 22MF B (3225)
C56	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C57	1-100-672-91	s CAP, CERAMIC 10MF C (3216)
C58	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C59	1-100-611-91	s CAP, CERAMIC 22MF C (2012)
C60	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C61	1-112-298-91	s CAP, CERAMIC 1MF B (1608)
CN1	1-766-696-11	o CONNECTOR, ROUND TYPE 8P
CN2	1-778-652-31	s CONNECTOR, FFC (ZIF) 50P
CN3	1-691-550-21	s PIN, CONNECTOR (1.5MM) (SMD) 3P

(SW-1485 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
CN4	1-784-599-11	o	CONNECTOR, D-SUB 15P
D1	8-719-016-75	s	DIODE 1SS352-TPH3
D2	8-719-991-01	s	DIODE DAP222-TL
D3	8-719-991-01	s	DIODE DAP222-TL
D4	8-719-046-86	s	DIODE F1J6TP
D5	8-719-989-04	s	DIODE DAN222-TL
D6	8-719-989-04	s	DIODE DAN222-TL
D7	8-719-991-01	s	DIODE DAP222-TL
D8	8-719-069-55	s	DI UDZSUSTE-175.6B
D9	8-719-069-55	s	DI UDZSUSTE-175.6B
D10	8-719-069-55	s	DI UDZSUSTE-175.6B
D11	8-719-989-04	s	DIODE DAN222-TL
D12	8-719-989-04	s	DIODE DAN222-TL
D13	8-719-991-01	s	DIODE DAP222-TL
D14	8-719-991-01	s	DIODE DAP222-TL
D15	8-719-991-01	s	DIODE DAP222-TL
D16	8-719-989-04	s	DIODE DAN222-TL
D17	8-719-989-04	s	DIODE DAN222-TL
D18	8-719-991-01	s	DIODE DAP222-TL
D19	8-719-991-01	s	DIODE DAP222-TL
D20	8-719-991-01	s	DIODE DAP222-TL
D21	6-502-598-01	s	DI SML-D12U8WT86
D22	6-502-197-01	s	DI SML-D12M8WT86SM
D23	6-502-598-01	s	DI SML-D12U8WT86
D24	6-501-358-01	s	DIODE CL-197HG5-CD-T
D25	6-501-358-01	s	DIODE CL-197HG5-CD-T
E1	1-535-877-22	s	CHIP, CHECKER
EN1	1-480-630-11	s	ENCODER, ROTARY
ET1	1-780-627-11	s	TERMINAL, LUG
FB1	1-400-832-21	s	SMD EMI FERRITE
FB2	1-400-832-21	s	SMD EMI FERRITE
FB3	1-400-832-21	s	SMD EMI FERRITE
FB4	1-400-832-21	s	SMD EMI FERRITE
FB5	1-400-832-21	s	SMD EMI FERRITE
FB6	1-400-832-21	s	SMD EMI FERRITE
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
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	1-400-382-21	s	EMI FERRITE (SMD) (1608)
FB18	1-400-382-21	s	EMI FERRITE (SMD) (1608)
FB19	1-400-832-21	s	SMD EMI FERRITE
FB20	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
FB21	1-469-094-21	s	FERRITE, EMI (SMD) (1608)
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
FL1	1-239-897-22	s	FILTER, EMI (SMD)
FL2	1-239-897-22	s	FILTER, EMI (SMD)

(SW-1485 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC1	6-712-939-01	s	IC TPS715A01DRBR
JC4	1-218-990-81	s	CONDUCTOR, CHIP (1005)
JC5	1-218-990-81	s	CONDUCTOR, CHIP (1005)
L3	1-469-557-21	s	INDUCTOR, CHIP 22UH (LB2016)
L4	1-414-398-41	s	INDUCTOR (SMD) 10.0UH
L5	1-414-400-41	s	INDUCTOR (SMD) 22.0UH
L6	1-414-400-41	s	INDUCTOR (SMD) 22.0UH
PH1	8-749-011-37	s	PHOTO COUPLER TLP181(BL-TPR)
PH2	8-749-011-37	s	PHOTO COUPLER TLP181(BL-TPR)
PH3	8-749-011-37	s	PHOTO COUPLER TLP181(BL-TPR)
Q1	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q2	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q3	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q4	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q5	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q6	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q7	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q8	8-729-928-05	s	TRANSISTOR 2SC4617TL-QR
Q9	8-729-141-76	s	TRANSISTOR 2SD596T1-DV345
Q10	8-729-141-76	s	TRANSISTOR 2SD596T1-DV345
Q11	8-729-141-76	s	TRANSISTOR 2SD596T1-DV345
Q12	8-729-141-76	s	TRANSISTOR 2SD596T1-DV345
Q13	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q14	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q15	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q16	8-729-928-28	s	TRANSISTOR DTA144EE-TL
R1	1-208-863-81	s	RES, CHIP 100 (1005)
R2	1-208-863-81	s	RES, CHIP 100 (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	1-208-895-81	s	RES, CHIP 2.2K (1005)
R8	1-208-887-81	s	RES, CHIP 1.0K (1005)
R9	1-208-895-81	s	RES, CHIP 2.2K (1005)
R10	1-208-887-81	s	RES, CHIP 1.0K (1005)
R11	1-208-895-81	s	RES, CHIP 2.2K (1005)
R12	1-208-915-81	s	RES, CHIP 15K (1005)
R13	1-208-915-81	s	RES, CHIP 15K (1005)
R14	1-208-915-81	s	RES, CHIP 15K (1005)
R15	1-208-911-81	s	RES, CHIP 10K (1005)
R16	1-208-903-81	s	RES, CHIP 4.7K (1005)
R17	1-208-887-81	s	RES, CHIP 1.0K (1005)
R18	1-208-887-81	s	RES, CHIP 1.0K (1005)
R19	1-208-887-81	s	RES, CHIP 1.0K (1005)
R21	1-208-911-81	s	RES, CHIP 10K (1005)
R22	1-208-903-81	s	RES, CHIP 4.7K (1005)
R25	1-208-927-81	s	RES, CHIP 47K (1005)
R26	1-208-927-81	s	RES, CHIP 47K (1005)
R27	1-208-927-81	s	RES, CHIP 47K (1005)
R28	1-208-911-81	s	RES, CHIP 10K (1005)
R29	1-208-911-81	s	RES, CHIP 10K (1005)
R30	1-208-911-81	s	RES, CHIP 10K (1005)
R31	1-208-871-81	s	RES, CHIP 220 (1005)
R32	1-208-871-81	s	RES, CHIP 220 (1005)
R33	1-208-871-81	s	RES, CHIP 220 (1005)

(SW-1485 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R34	1-208-855-81	s RES, CHIP 47 (1005)
R35	1-208-855-81	s RES, CHIP 47 (1005)
R36	1-208-887-81	s RES, CHIP 1.0K (1005)
R37	1-208-887-81	s RES, CHIP 1.0K (1005)
R38	1-208-923-81	s RES, CHIP 33K (1005)
R39	1-208-887-81	s RES, CHIP 1.0K (1005)
R40	1-208-923-81	s RES, CHIP 33K (1005)
R41	1-208-923-81	s RES, CHIP 33K (1005)
R42	1-208-887-81	s RES, CHIP 1.0K (1005)
R43	1-208-887-81	s RES, CHIP 1.0K (1005)
R44	1-208-923-81	s RES, CHIP 33K (1005)
R45	1-208-887-81	s RES, CHIP 1.0K (1005)
R46	1-208-871-81	s RES, CHIP 220 (1005)
R47	1-208-871-81	s RES, CHIP 220 (1005)
R48	1-208-871-81	s RES, CHIP 220 (1005)
R49	1-208-871-81	s RES, CHIP 220 (1005)
R50	1-208-879-81	s RES, CHIP 470 (1005)
R51	1-208-879-81	s RES, CHIP 470 (1005)
R52	1-208-927-81	s RES, CHIP 47K (1005)
R53	1-208-927-81	s RES, CHIP 47K (1005)
R54	1-208-927-81	s RES, CHIP 47K (1005)
R55	1-208-863-81	s RES, CHIP 100 (1005)
R56	1-208-863-81	s RES, CHIP 100 (1005)
R57	1-208-863-81	s RES, CHIP 100 (1005)
R58	1-208-931-81	s RES, CHIP 68K (1005)
R59	1-208-959-81	s RES, CHIP 1M (1005)
R60	1-208-959-81	s RES, CHIP 1M (1005)
R61	1-208-935-81	s RES, CHIP 100K (1005)
S2	1-570-608-11	s SWITCH, TOGGLE
S3	1-771-796-21	s SWITCH, SLIDE
S4	1-771-796-21	s SWITCH, SLIDE
S5	1-771-316-21	s SWITCH, TOGGLE
T1	1-443-158-11	s TRANSFORMER, DC-DC CONVERTER
T2	1-443-158-11	s TRANSFORMER, DC-DC CONVERTER
THP1	Δ 1-802-063-21	s THERMISTOR, POSITIVE
THP2	Δ 1-802-063-21	s THERMISTOR, POSITIVE

TG-265PT BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1756-696-A	s MOUNTED CIRCUIT BOARD, TG-265PT
C1	1-100-816-21	s CAP, ELECT 33MF (5.6X6.5)
C4	1-112-692-81	s CAP, CHIP CERAMIC1000PF CH 1005
C5	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C7	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C8	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C9	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C10	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C13	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C14	1-114-549-11	s CAP, NIOBIUM ELECT 47UF
C15	1-114-549-11	s CAP, NIOBIUM ELECT 47UF
C17	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C18	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C20	1-164-874-81	s CAP, CHIP CERAMIC 100PF CH 1005
C22	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C23	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C24	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C25	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C27	1-164-874-81	s CAP, CHIP CERAMIC 100PF CH 1005
C28	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C29	1-114-549-11	s CAP, NIOBIUM ELECT 47UF
C30	1-114-549-11	s CAP, NIOBIUM ELECT 47UF
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
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
C38	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C39	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C40	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C41	1-164-874-81	s CAP, CHIP CERAMIC 100PF CH 1005
C42	1-164-874-81	s CAP, CHIP CERAMIC 100PF CH 1005
C45	1-112-692-81	s CAP, CHIP CERAMIC1000PF CH 1005
C46	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C47	1-100-165-21	s CAP, ELECT 47MF (8X7)
C48	1-114-549-11	s CAP, NIOBIUM ELECT 47UF
C50	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C51	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C52	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C53	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C54	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C55	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C58	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C59	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C61	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C62	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C63	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C64	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C66	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C68	1-165-629-91	s CAP, CERAMIC 1000000PF B(3225)
C70	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C71	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C72	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C74	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C75	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF 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

(TG-265PT BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C79	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C80	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C81	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C83	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C86	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C87	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C88	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C89	1-126-398-21	s CAP, CHIP ELECT 4.7MF (4X5.7)
C90	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C92	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C93	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C94	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C95	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C96	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C99	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C100	1-126-398-21	s CAP, CHIP ELECT 4.7MF (4X5.7)
C101	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C102	1-165-884-91	s CAP, CERAMIC 2.2MF (1608)
C104	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C107	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C108	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C109	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C111	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C112	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C113	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C115	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C116	1-165-884-91	s CAP, CERAMIC 2.2MF (1608)
C117	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C201	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C202	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C203	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C205	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C206	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C207	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C208	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C209	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C210	1-114-548-11	s CAP, NIOBIUM ELECT 22UF
C211	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C212	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C213	1-127-956-21	s CAP, CHIP FILM 0.1MF (3225)
C214	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C215	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C216	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C217	1-114-549-11	s CAP, NIOBIUM ELECT 47UF
C218	1-165-872-21	s CAP, ELECT 47MF (5.0X6.5)
C219	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
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	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C224	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C225	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C226	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C228	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C229	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C230	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C231	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C232	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C235	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C236	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C237	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C238	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C241	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C242	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C243	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C244	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C246	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C247	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C248	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C250	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C251	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C252	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C254	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C256	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C257	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C258	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C259	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C260	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C261	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
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	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C265	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
C271	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C274	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C276	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
C277	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C278	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C279	1-112-717-91	s CAP, CERAMIC 1UF B (1005)
C284	1-125-777-81	s CAP, CHIP CERAMIC 0.1MF B 1005
CN1	1-774-261-31	s CONNECTOR, FFC/FPC(ZIF) AN 24P
CN2	1-794-142-31	s CONNECTOR, FFC/FPC(ZIF) AN 36P
CN3	1-778-535-31	s CONNECTOR, FFC/FPC(ZIF) AN 45P
CN201	1-770-622-21	s PIN, CONNECTOR 5P
D1	8-719-083-60	s DI UDZSUSTE-174.7B
D2	8-719-083-60	s DI UDZSUSTE-174.7B
D3	8-719-210-46	s DIODE EC10QS-06-TE12L
D4	8-719-083-83	s DI UDZSUSTE-1715B
D5	8-719-083-60	s DI UDZSUSTE-174.7B
D6	6-502-122-01	s DI MA3J1430GLS0
D7	6-502-122-01	s DI MA3J1430GLS0
D201	8-719-989-01	s DIODE DA221-TL
D202	8-719-989-01	s DIODE DA221-TL
E1	1-535-877-22	s CHIP, CHECKER
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
ET6	1-780-627-11	s TERMINAL, LUG
ET7	1-780-627-11	s TERMINAL, LUG
ET8	1-780-627-11	s TERMINAL, LUG
FB201	1-414-864-21	s FERRITE, EMI (SMD) (1608)
FB202	1-414-864-21	s FERRITE, EMI (SMD) (1608)

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Ref. No. or Q'ty	Part No.	SP Description
FB203	1-414-864-21	s FERRITE, EMI (SMD) (1608)
FB204	1-414-864-21	s FERRITE, EMI (SMD) (1608)
FB205	1-414-864-21	s FERRITE, EMI (SMD) (1608)
FB206	1-414-864-21	s FERRITE, EMI (SMD) (1608)
FB207	1-469-108-21	s FERRITE, EMI (SMD) (1608)
IC1	8-753-261-02	s IC CXA3648AR-T4
IC3	8-759-327-01	s IC NJM062V (TE2)
IC5	6-704-976-01	s IC ADR381ARTZ-REEL7
IC6	8-759-327-01	s IC NJM062V (TE2)
IC7	6-706-863-01	s IC LMH6732MFX/NOPB
IC8	8-753-261-02	s IC CXA3648AR-T4
IC10	8-759-327-01	s IC NJM062V (TE2)
IC12	6-711-852-01	s IC LTC1844ES5-BYP
IC13	8-759-327-01	s IC NJM062V (TE2)
IC14	6-704-099-01	s IC TC7WZ08FK
IC15	6-706-863-01	s IC LMH6732MFX/NOPB
IC16	6-707-879-01	s IC TC74VHC541FT (EKJ)
IC18	8-753-261-02	s IC CXA3648AR-T4
IC20	8-759-672-76	s IC AK9813BF-E2
IC21	6-706-863-01	s IC LMH6732MFX/NOPB
IC22	6-707-853-01	s IC TC74LCX541FT (EKJ)
IC23	8-759-672-76	s IC AK9813BF-E2
IC201	6-713-829-01	s IC EPCS4SI8N(11)
IC205	6-706-482-01	s IC TC7SH00FU
IC206	6-704-976-01	s IC ADR381ARTZ-REEL7
IC207	6-706-482-01	s IC TC7SH00FU
IC208	6-709-647-01	s IC TLC2932AIPWR
IC209	8-759-327-01	s IC NJM062V (TE2)
IC210	8-759-669-66	s IC TLC272CPWR-12
IC211	6-706-487-01	s IC TC7SH08FU
IC213	6-706-482-01	s IC TC7SH00FU
IC214	6-720-241-01	s IC R1EX24008ASAS0A
IC215	6-711-852-01	s IC LTC1844ES5-BYP
IC216	8-759-592-49	s IC TC7SZ125FU (TE85R)
IC217	8-759-592-49	s IC TC7SZ125FU (TE85R)
IC219	6-706-487-01	s IC TC7SH08FU
IC220	6-704-571-01	s IC TLC7703IPWR
L1	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L201	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L202	1-414-392-41	s INDUCTOR (SMD) 1.0UH
L203	1-414-392-41	s INDUCTOR (SMD) 1.0UH
Q1	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q2	6-550-632-01	s TRANSISTOR 2SC4672-T100-Q
Q3	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q4	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q5	8-729-144-81	s TRANSISTOR 2SC4176T1B33B34B35
Q6	8-729-140-86	s TRANSISTOR 2SA1610-T1Y34
Q7	8-729-107-04	s TRANSISTOR 2SB1115-T1YL
Q8	8-729-809-73	s TRANSISTOR 2SK536-TB
Q201	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q202	6-550-631-01	s TRANSISTOR 2SA1797-T100-Q
Q203	6-552-659-01	s TR SI3443CDV-T1-GE3
Q204	6-552-659-01	s TR SI3443CDV-T1-GE3
Q205	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q206	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
R1	1-208-863-81	s RES, CHIP 100 (1005)
R2	1-208-863-81	s RES, CHIP 100 (1005)
R3	1-208-863-81	s RES, CHIP 100 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R4	1-208-863-81	s RES, CHIP 100 (1005)
R5	1-208-943-81	s RES, CHIP 220K (1005)
R6	1-208-879-81	s RES, CHIP 470 (1005)
R7	1-218-990-81	s CONDUCTOR, CHIP (1005)
R15	1-208-927-81	s RES, CHIP 47K (1005)
R16	1-208-927-81	s RES, CHIP 47K (1005)
R17	1-208-911-81	s RES, CHIP 10K (1005)
R19	1-208-927-81	s RES, CHIP 47K (1005)
R20	1-208-927-81	s RES, CHIP 47K (1005)
R22	1-208-887-81	s RES, CHIP 1.0K (1005)
R23	1-208-863-81	s RES, CHIP 100 (1005)
R24	1-208-863-81	s RES, CHIP 100 (1005)
R25	1-208-887-81	s RES, CHIP 1.0K (1005)
R26	1-208-883-81	s RES, CHIP 680 (1005)
R27	1-208-871-81	s RES, CHIP 220 (1005)
R28	1-208-927-81	s RES, CHIP 47K (1005)
R29	1-208-879-81	s RES, CHIP 470 (1005)
R30	1-208-866-81	s RES, CHIP 130 (1005)
R32	1-208-911-81	s RES, CHIP 10K (1005)
R33	1-208-911-81	s RES, CHIP 10K (1005)
R34	1-208-891-81	s RES, CHIP 1.5K (1005)
R35	1-208-919-81	s RES, CHIP 22K (1005)
R36	1-208-903-81	s RES, CHIP 4.7K (1005)
R37	1-208-927-81	s RES, CHIP 47K (1005)
R38	1-208-927-81	s RES, CHIP 47K (1005)
R39	1-208-943-81	s RES, CHIP 220K (1005)
R40	1-208-863-81	s RES, CHIP 100 (1005)
R41	1-208-863-81	s RES, CHIP 100 (1005)
R42	1-208-879-81	s RES, CHIP 470 (1005)
R43	1-218-990-81	s CONDUCTOR, CHIP (1005)
R44	1-208-911-81	s RES, CHIP 10K (1005)
R48	1-208-911-81	s RES, CHIP 10K (1005)
R49	1-208-895-81	s RES, CHIP 2.2K (1005)
R52	1-208-919-81	s RES, CHIP 22K (1005)
R53	1-208-911-81	s RES, CHIP 10K (1005)
R55	1-208-911-81	s RES, CHIP 10K (1005)
R57	1-208-911-81	s RES, CHIP 10K (1005)
R58	1-208-911-81	s RES, CHIP 10K (1005)
R59	1-208-911-81	s RES, CHIP 10K (1005)
R62	1-208-919-81	s RES, CHIP 22K (1005)
R63	1-208-919-81	s RES, CHIP 22K (1005)
R64	1-208-919-81	s RES, CHIP 22K (1005)
R65	1-208-887-81	s RES, CHIP 1.0K (1005)
R66	1-208-887-81	s RES, CHIP 1.0K (1005)
R67	1-208-883-81	s RES, CHIP 680 (1005)
R68	1-208-871-81	s RES, CHIP 220 (1005)
R69	1-208-927-81	s RES, CHIP 47K (1005)
R70	1-208-879-81	s RES, CHIP 470 (1005)
R71	1-208-866-81	s RES, CHIP 130 (1005)
R73	1-208-943-81	s RES, CHIP 220K (1005)
R74	1-208-895-81	s RES, CHIP 2.2K (1005)
R75	1-208-911-81	s RES, CHIP 10K (1005)
R76	1-208-879-81	s RES, CHIP 470 (1005)
R77	1-208-935-81	s RES, CHIP 100K (1005)
R78	1-218-990-81	s CONDUCTOR, CHIP (1005)
R79	1-208-895-81	s RES, CHIP 2.2K (1005)
R80	1-220-878-81	s RES, CHIP 22 (1005)
R81	1-220-870-81	s RES, CHIP 10 (1005)
R82	1-220-874-81	s RES, CHIP 15 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R83	1-220-874-81	s RES, CHIP 15 (1005)
R86	1-220-870-81	s RES, CHIP 10 (1005)
R94	1-208-887-81	s RES, CHIP 1.0K (1005)
R95	1-208-887-81	s RES, CHIP 1.0K (1005)
R96	1-208-883-81	s RES, CHIP 680 (1005)
R97	1-208-871-81	s RES, CHIP 220 (1005)
R98	1-208-927-81	s RES, CHIP 47K (1005)
R99	1-208-879-81	s RES, CHIP 470 (1005)
R100	1-208-866-81	s RES, CHIP 130 (1005)
R102	1-220-878-81	s RES, CHIP 22 (1005)
R103	1-208-911-81	s RES, CHIP 10K (1005)
R104	1-208-873-81	s RES, CHIP 270 (1005)
R105	1-208-873-81	s RES, CHIP 270 (1005)
R106	1-208-873-81	s RES, CHIP 270 (1005)
R107	1-208-883-81	s RES, CHIP 680 (1005)
R108	1-208-883-81	s RES, CHIP 680 (1005)
R109	1-208-883-81	s RES, CHIP 680 (1005)
R110	1-208-899-81	s RES, CHIP 3.3K (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	1-208-871-81	s RES, CHIP 220 (1005)
R210	1-208-911-81	s RES, CHIP 10K (1005)
R212	1-208-919-81	s RES, CHIP 22K (1005)
R213	1-208-911-81	s RES, CHIP 10K (1005)
R215	1-208-919-81	s RES, CHIP 22K (1005)
R216	1-208-863-81	s RES, CHIP 100 (1005)
R217	1-208-863-81	s RES, CHIP 100 (1005)
R218	1-208-935-81	s RES, CHIP 100K (1005)
R219	1-208-935-81	s RES, CHIP 100K (1005)
R221	1-208-903-81	s RES, CHIP 4.7K (1005)
R222	1-208-903-81	s RES, CHIP 4.7K (1005)
R223	1-208-887-81	s RES, CHIP 1.0K (1005)
R224	1-218-990-81	s CONDUCTOR, CHIP (1005)
R225	1-208-891-81	s RES, CHIP 1.5K (1005)
R226	1-218-990-81	s CONDUCTOR, CHIP (1005)
R227	1-244-161-81	s RES, CHIP 2.2 (1005)
R228	1-208-911-81	s RES, CHIP 10K (1005)
R229	1-208-911-81	s RES, CHIP 10K (1005)
R230	1-208-907-81	s RES, CHIP 6.8K (1005)
R231	1-208-895-81	s RES, CHIP 2.2K (1005)
R232	1-208-919-81	s RES, CHIP 22K (1005)
R233	1-208-863-81	s RES, CHIP 100 (1005)
R234	1-208-863-81	s RES, CHIP 100 (1005)
R235	1-208-863-81	s RES, CHIP 100 (1005)
R236	1-243-975-81	s RES, CHIP 4.7M (1005)
R237	1-208-891-81	s RES, CHIP 1.5K (1005)
R238	1-208-863-81	s RES, CHIP 100 (1005)
R239	1-208-907-81	s RES, CHIP 6.8K (1005)
R240	1-208-883-81	s RES, CHIP 680 (1005)
R241	1-208-911-81	s RES, CHIP 10K (1005)
R242	1-208-911-81	s RES, CHIP 10K (1005)
R243	1-208-911-81	s RES, CHIP 10K (1005)
R244	1-208-911-81	s RES, CHIP 10K (1005)
R245	1-208-919-81	s RES, CHIP 22K (1005)
R250	1-208-863-81	s RES, CHIP 100 (1005)
R251	1-208-863-81	s RES, CHIP 100 (1005)
R253	1-208-863-81	s RES, CHIP 100 (1005)
R254	1-208-863-81	s RES, CHIP 100 (1005)

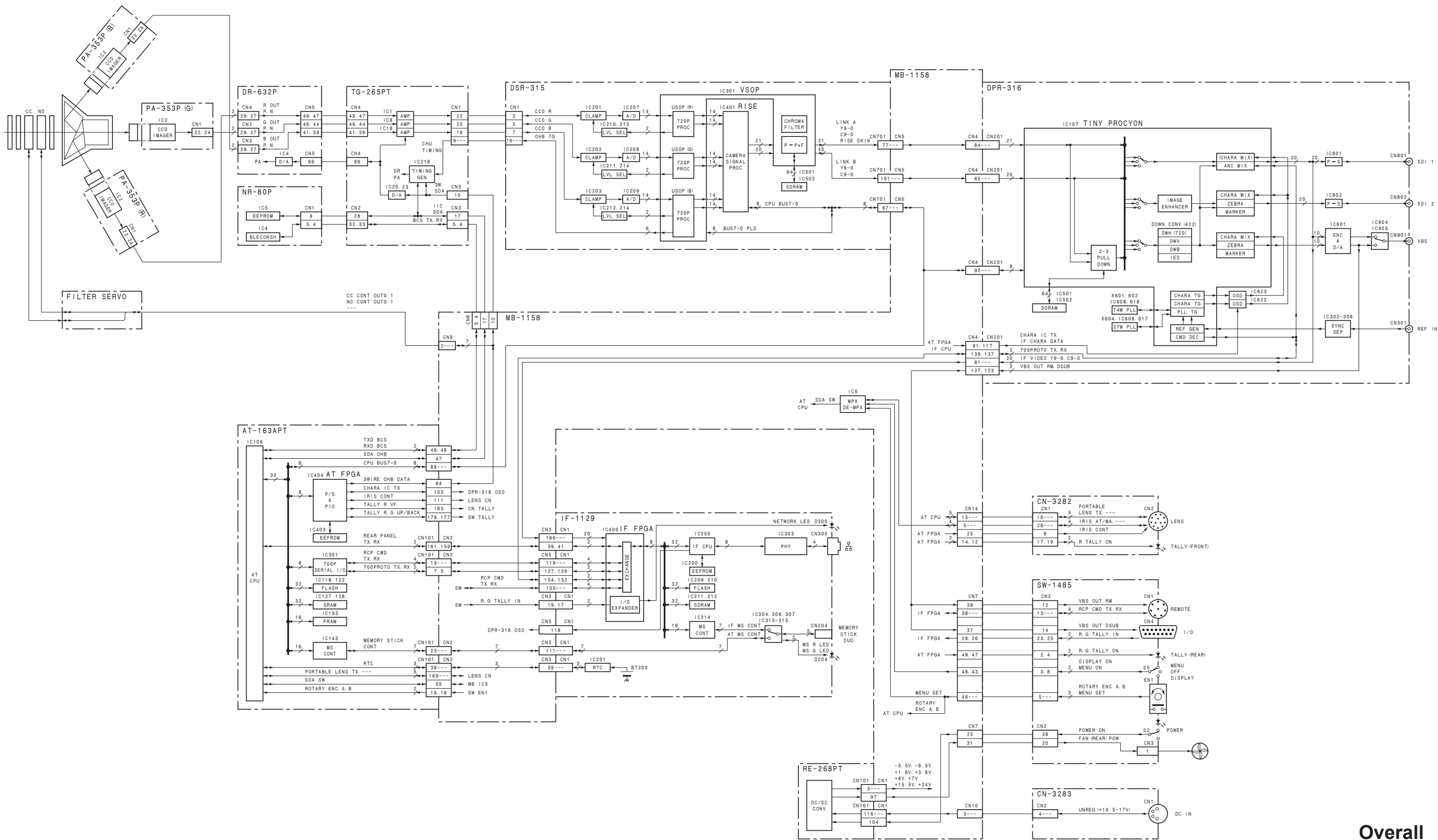
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Ref. No. or Q'ty	Part No.	SP Description
R256	1-208-911-81	s RES, CHIP 10K (1005)
R260	1-208-911-81	s RES, CHIP 10K (1005)
R261	1-208-911-81	s RES, CHIP 10K (1005)
R262	1-208-927-81	s RES, CHIP 47K (1005)
R265	1-208-911-81	s RES, CHIP 10K (1005)
R267	1-208-911-81	s RES, CHIP 10K (1005)
R268	1-220-870-81	s RES, CHIP 10 (1005)
R281	1-208-863-81	s RES, CHIP 100 (1005)
R282	1-208-863-81	s RES, CHIP 100 (1005)
R283	1-218-990-81	s CONDUCTOR, CHIP (1005)
R284	1-208-863-81	s RES, CHIP 100 (1005)
R285	1-208-863-81	s RES, CHIP 100 (1005)
R289	1-218-990-81	s CONDUCTOR, CHIP (1005)
R290	1-218-990-81	s CONDUCTOR, CHIP (1005)
R291	1-218-990-81	s CONDUCTOR, CHIP (1005)
R292	1-218-990-81	s CONDUCTOR, CHIP (1005)
R295	1-208-935-81	s RES, CHIP 100K (1005)
R298	1-218-990-81	s CONDUCTOR, CHIP (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	1-218-990-81	s CONDUCTOR, CHIP (1005)
R308	1-218-929-81	s RES, CHIP 10 (1005)
R309	1-208-863-81	s RES, CHIP 100 (1005)
R310	1-220-870-81	s RES, CHIP 10 (1005)
R311	1-220-870-81	s RES, CHIP 10 (1005)
R312	1-218-990-81	s CONDUCTOR, CHIP (1005)
R313	1-218-990-81	s CONDUCTOR, CHIP (1005)
R314	1-218-990-81	s CONDUCTOR, CHIP (1005)
R315	1-218-990-81	s CONDUCTOR, CHIP (1005)
R316	1-218-990-81	s CONDUCTOR, CHIP (1005)
R317	1-218-990-81	s CONDUCTOR, CHIP (1005)
R318	1-208-863-81	s RES, CHIP 100 (1005)
R319	1-208-863-81	s RES, CHIP 100 (1005)
R320	1-208-911-81	s RES, CHIP 10K (1005)
R321	1-208-935-81	s RES, CHIP 100K (1005)
R322	1-208-935-81	s RES, CHIP 100K (1005)
R323	1-208-919-81	s RES, CHIP 22K (1005)
R324	1-208-911-81	s RES, CHIP 10K (1005)
R325	1-208-863-81	s RES, CHIP 100 (1005)
R326	1-218-990-81	s CONDUCTOR, CHIP (1005)
R327	1-218-929-81	s RES, CHIP 10 (1005)
R328	1-208-863-81	s RES, CHIP 100 (1005)
R330	1-218-990-81	s CONDUCTOR, CHIP (1005)
R331	1-208-863-81	s RES, CHIP 100 (1005)
R332	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	1-234-370-21	s RES, NETWORK 22 (1005X4)
X201	1-795-671-12	s OSCILLATOR, CRYSTAL (VCXO) 3.3V
X202	1-795-670-12	s OSCILLATOR, CRYSTAL (VCXO) 3.3V

6-4. Supplied Accessories

Q'ty	Part No.	SP Description
1pc	△ 4-170-164-01	s OPERATION MANUAL (Japanese)
1pc	△ 4-170-168-01	s OPERATION MANUAL (English)
1pc	4-170-413-01	s PLATE, NUMBER
1pc	△ 4-468-047-01	s OPERATION MANUAL (Simplified chinese)

Section 7
Block Diagram

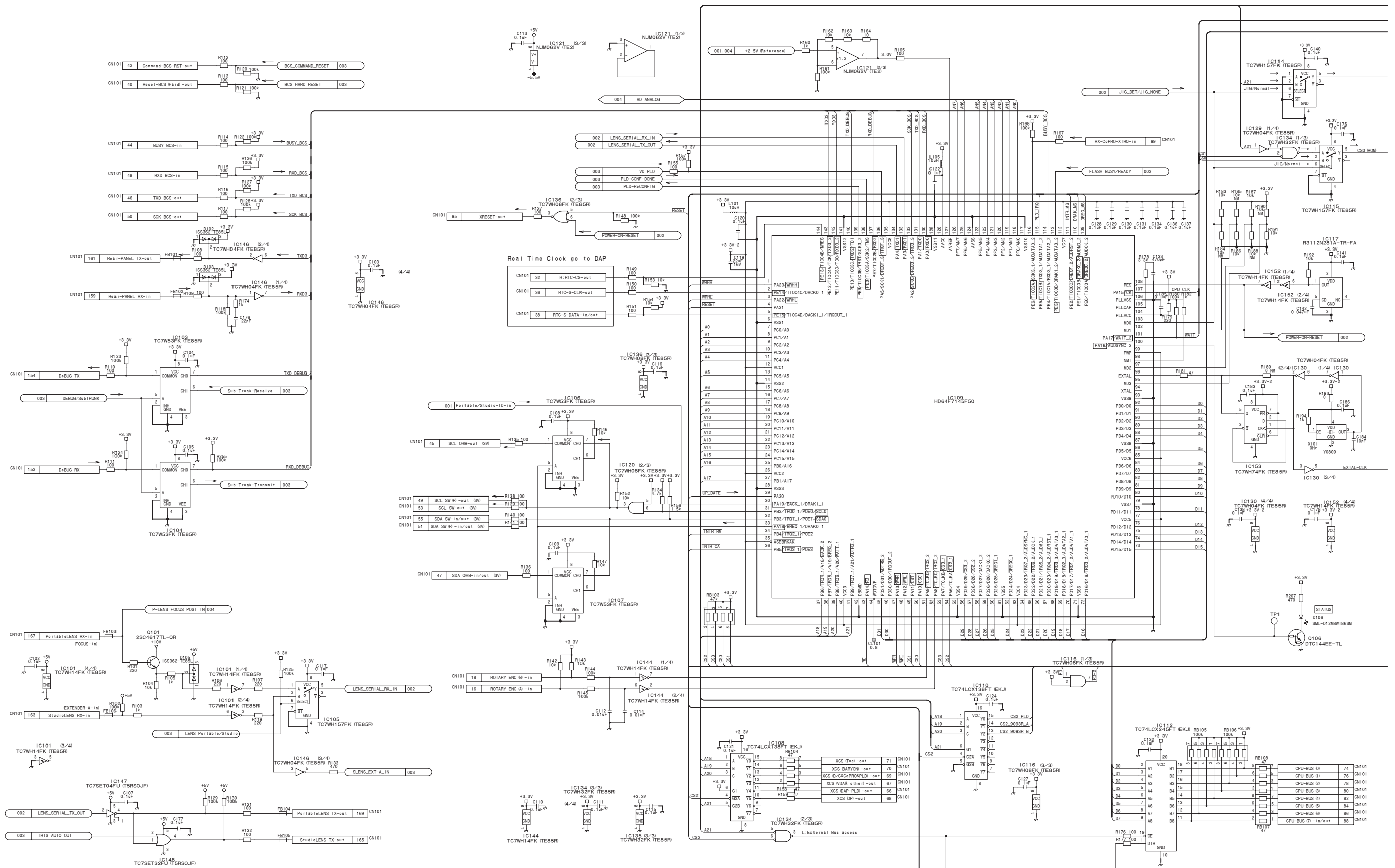


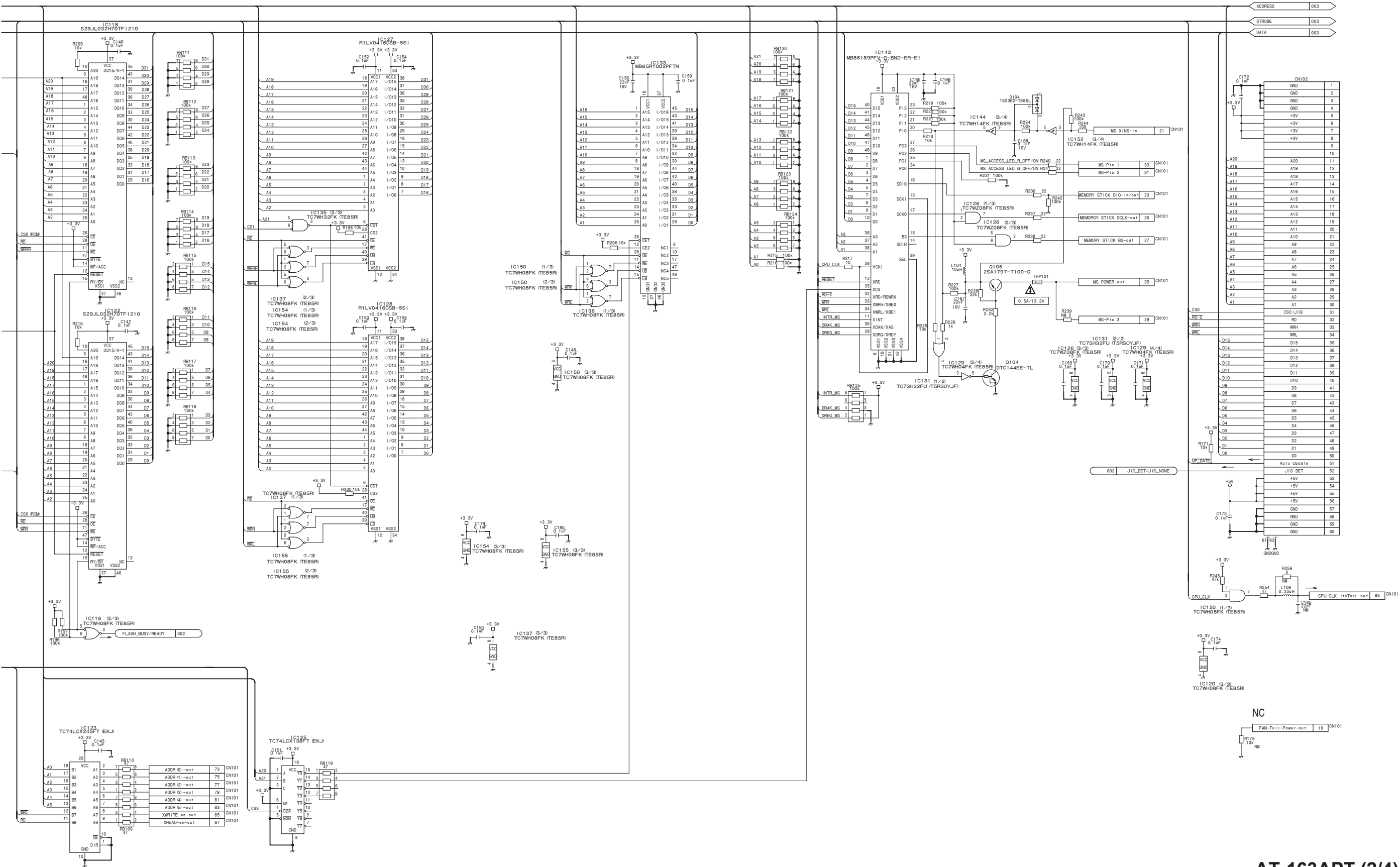
Section 8

Schematic Diagrams

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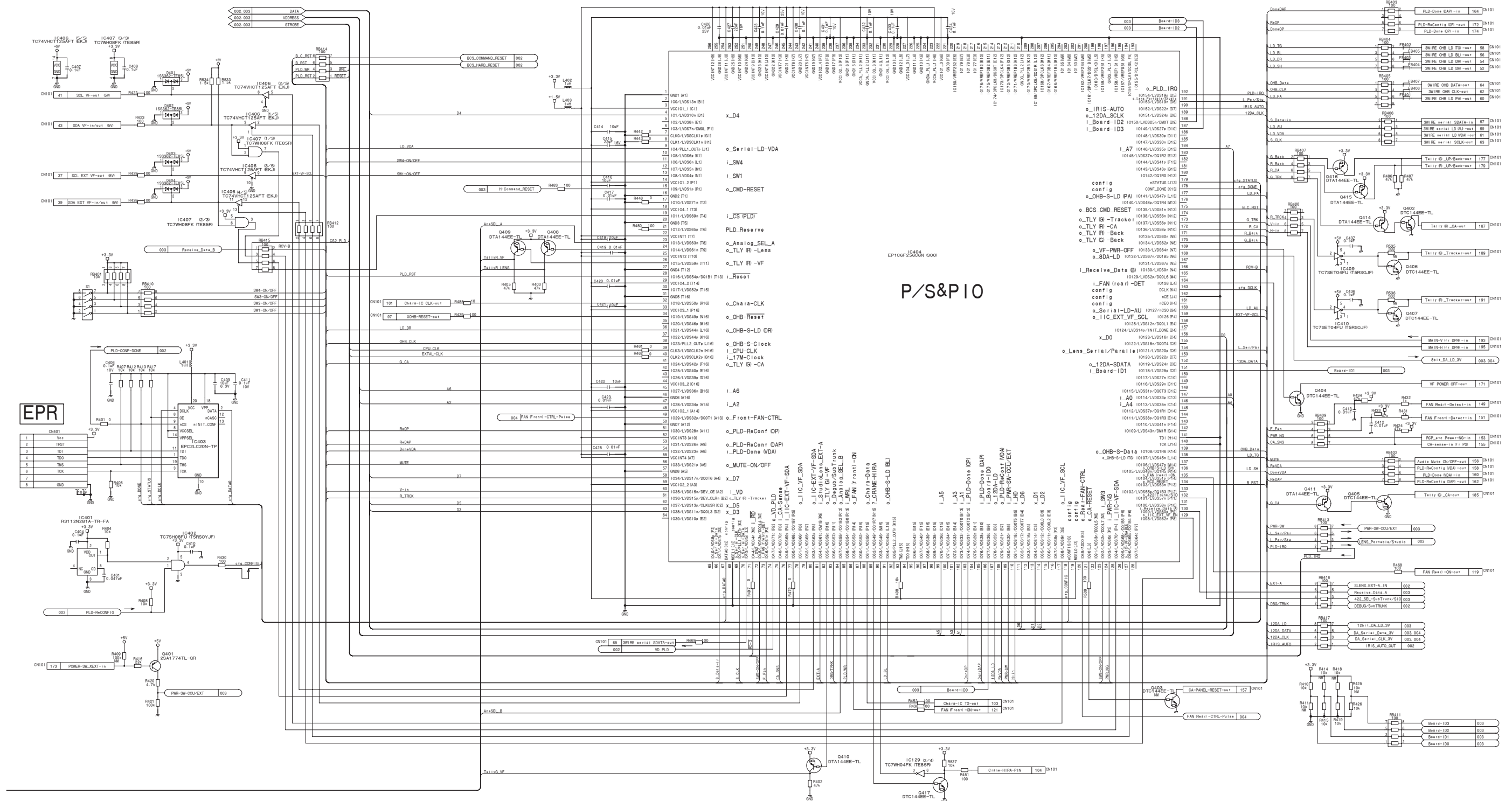
Board name		Page
AT-163APT		8-3
CN-3282		8-11
CN-3283		8-11
DPR-315		8-12
DPR-316	SUFFIX: -11	8-22
	SUFFIX: -12, -13	8-22 (a)
DR-632P		8-34
IF-1129		8-37
MB-1158		8-44
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PA-353P		8-48
RE-268PT		8-49
SW-1485		8-51
TG-265PT		8-52
Frame Wiring		8-56



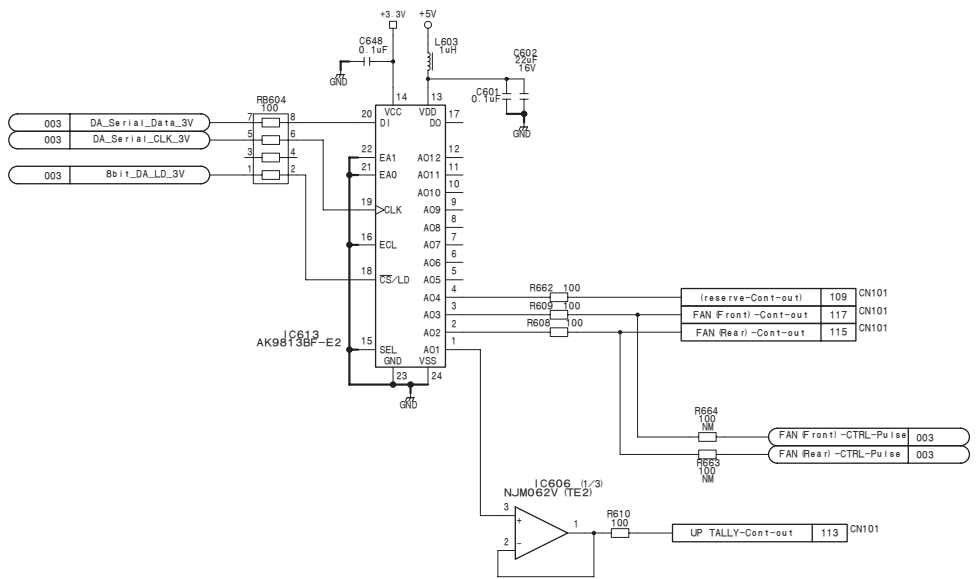


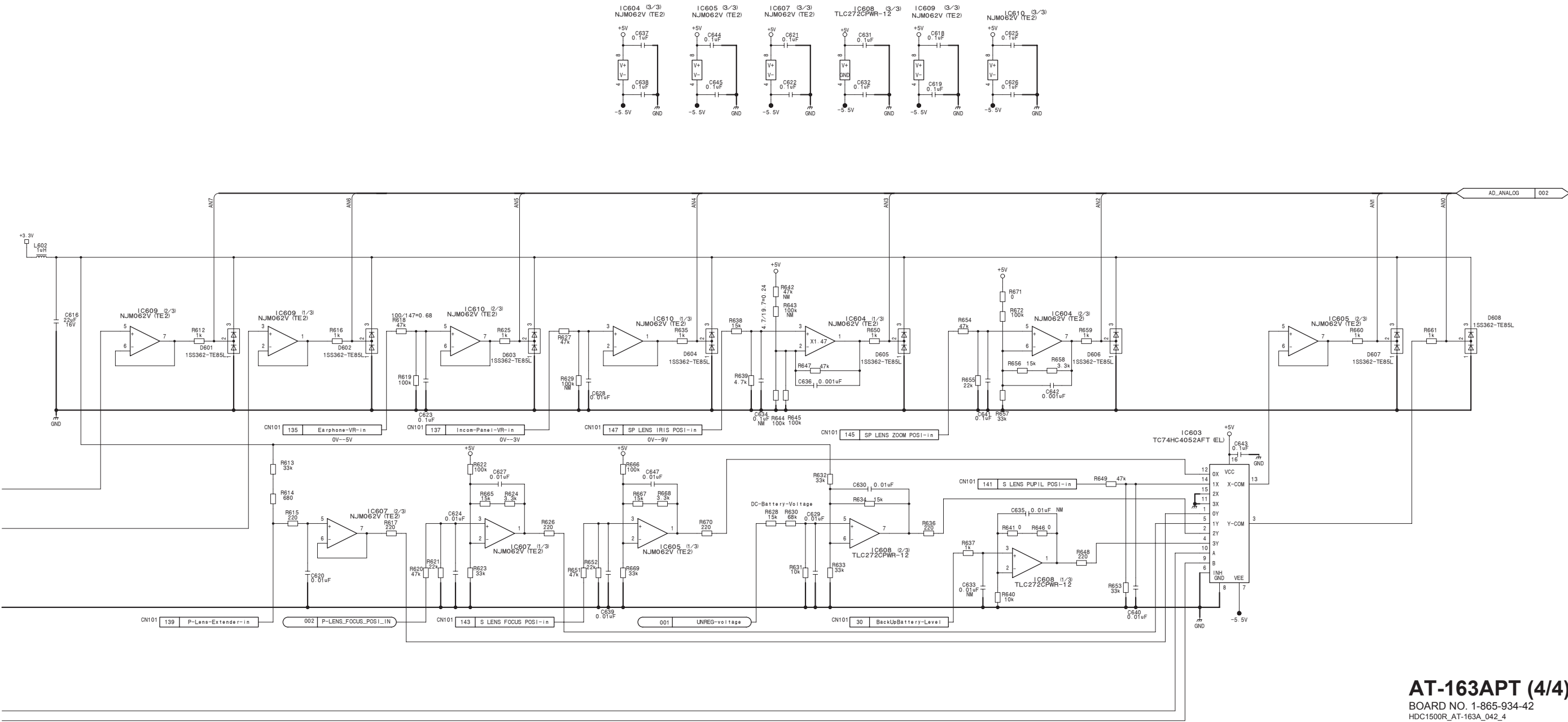
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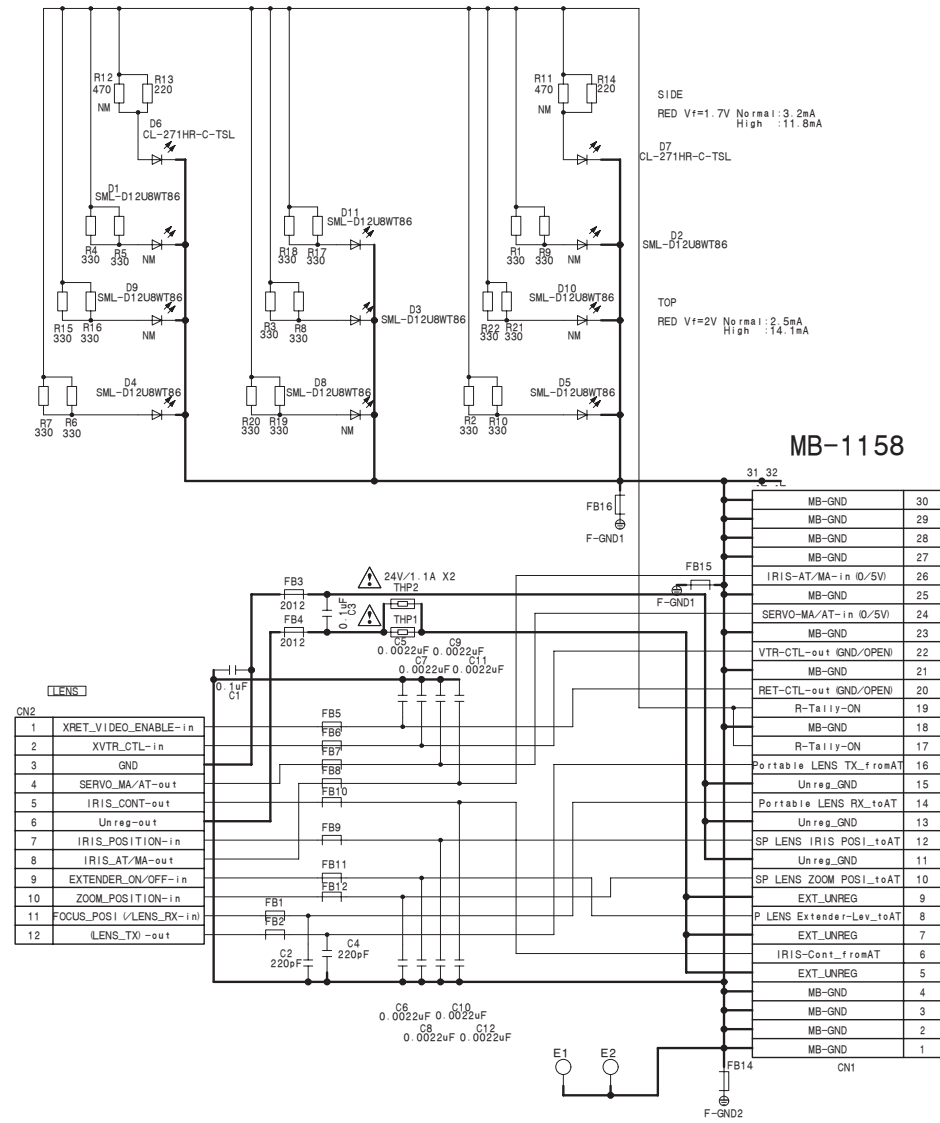


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BOARD NO. 1-865-934-42
HDC1500R_AT-163A_042_3

AT-163APT (4/4)

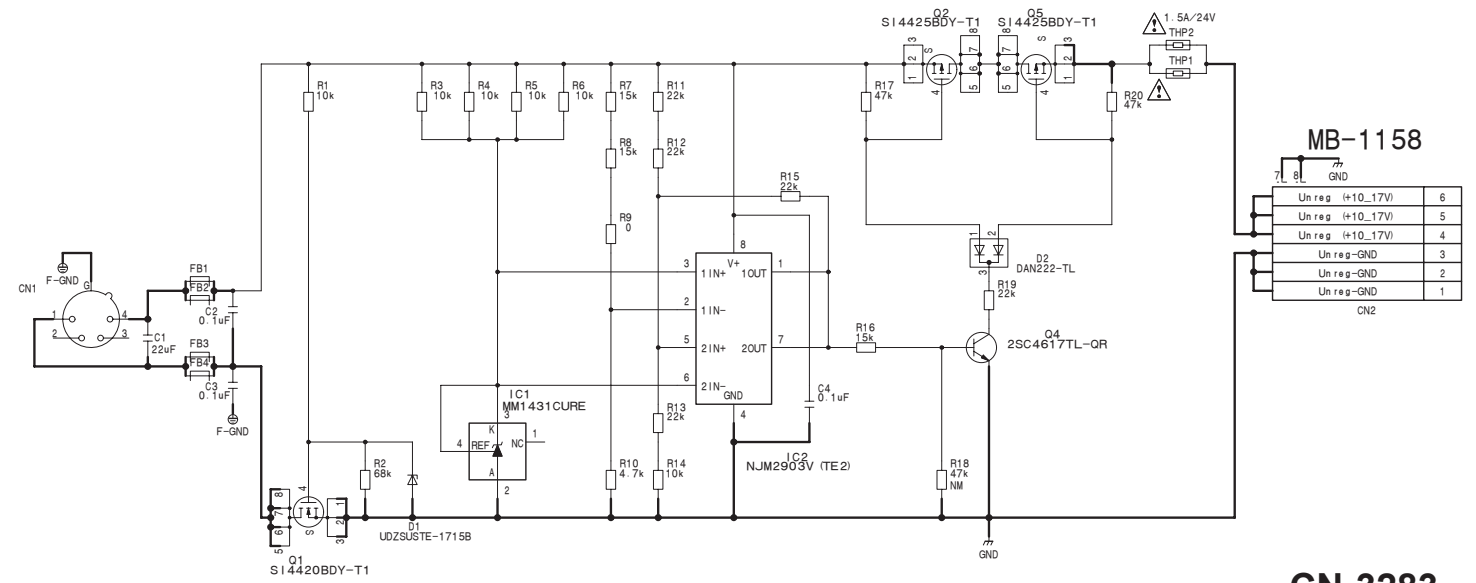


AT-163APT (4/4)
BOARD NO. 1-865-934-42
HDC1500R_AT-163A_042_4



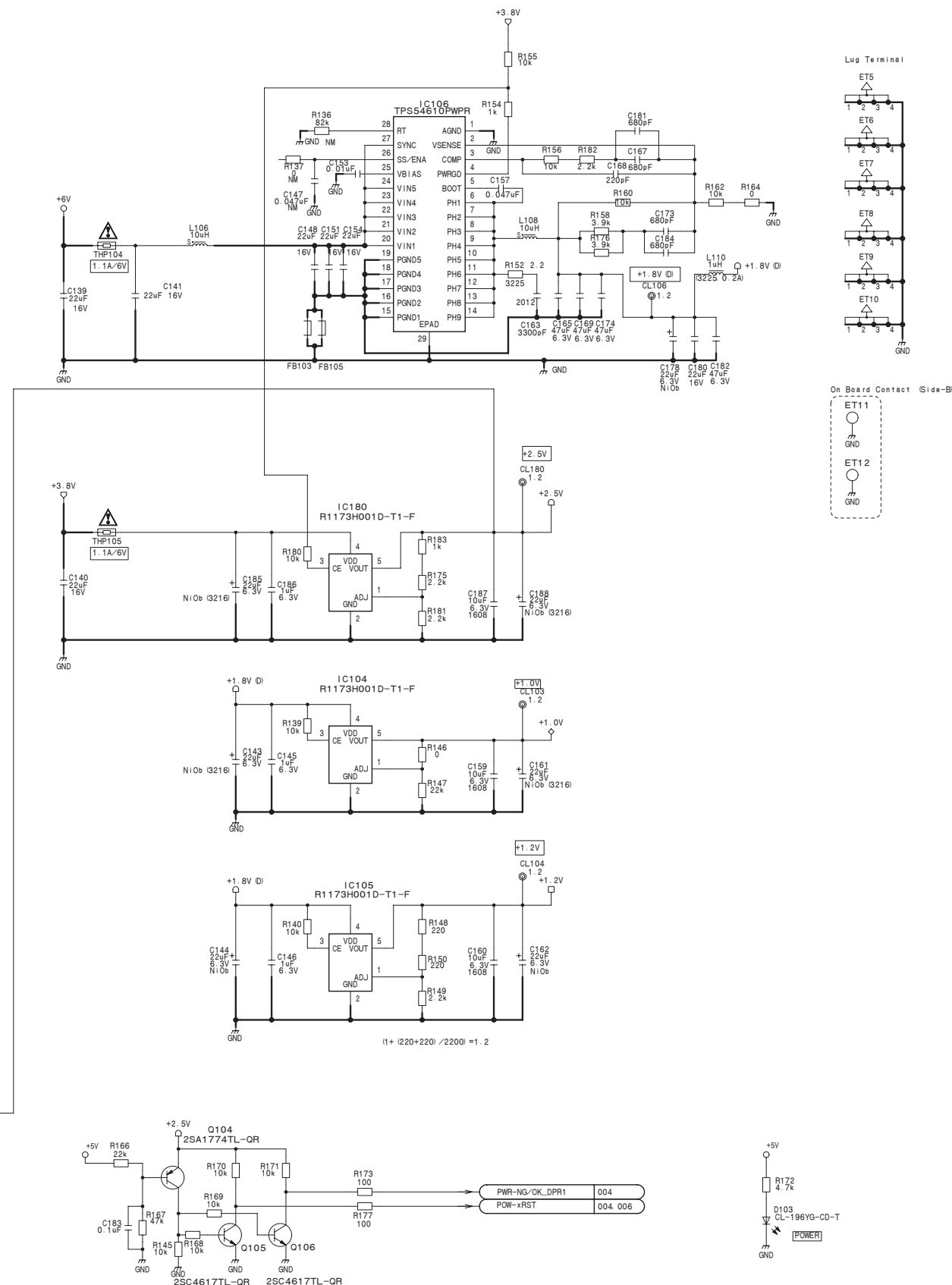
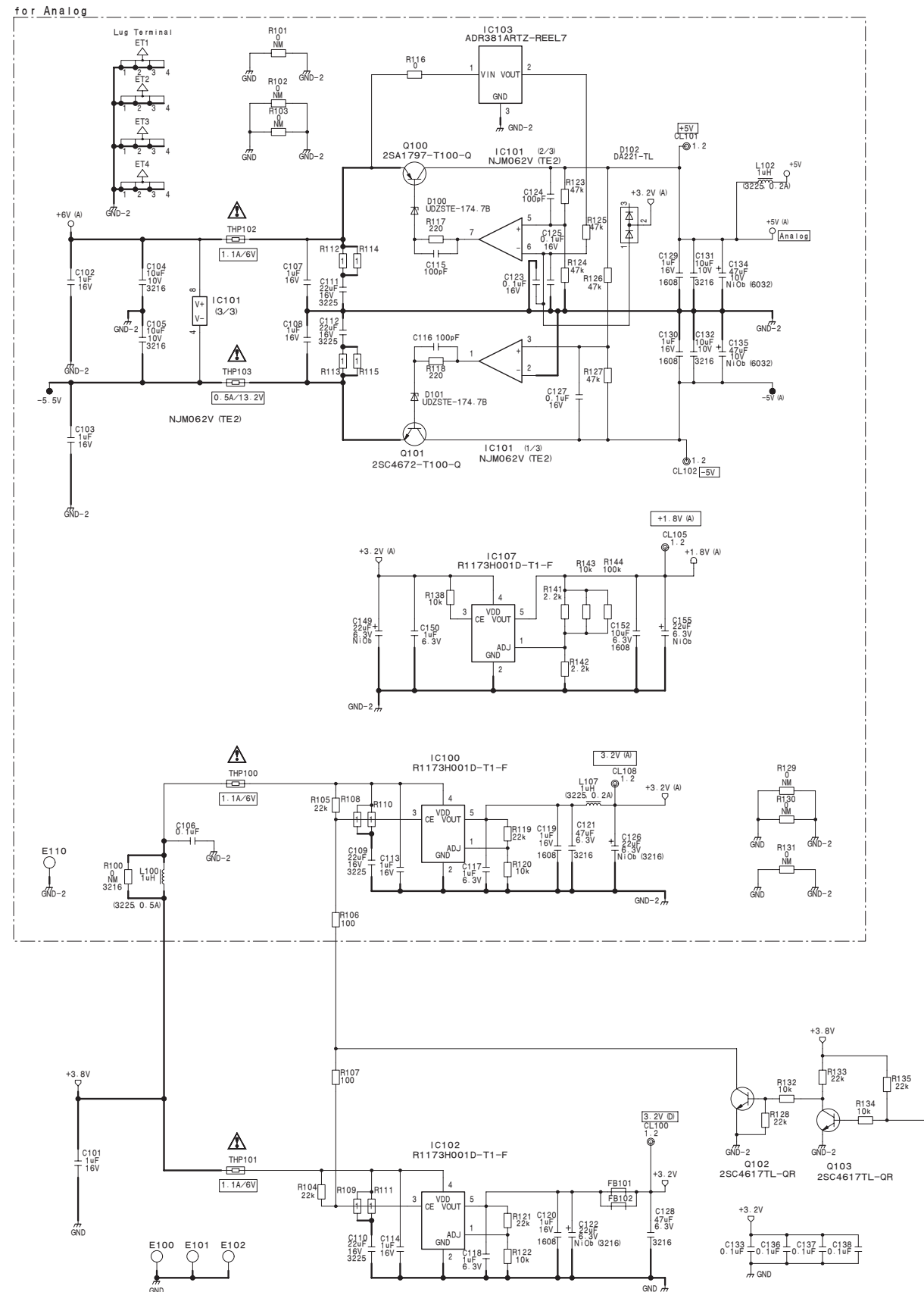
CN-3282

BOARD NO. 1-881-543-11
HDC-P1_CN-3282_11A_1

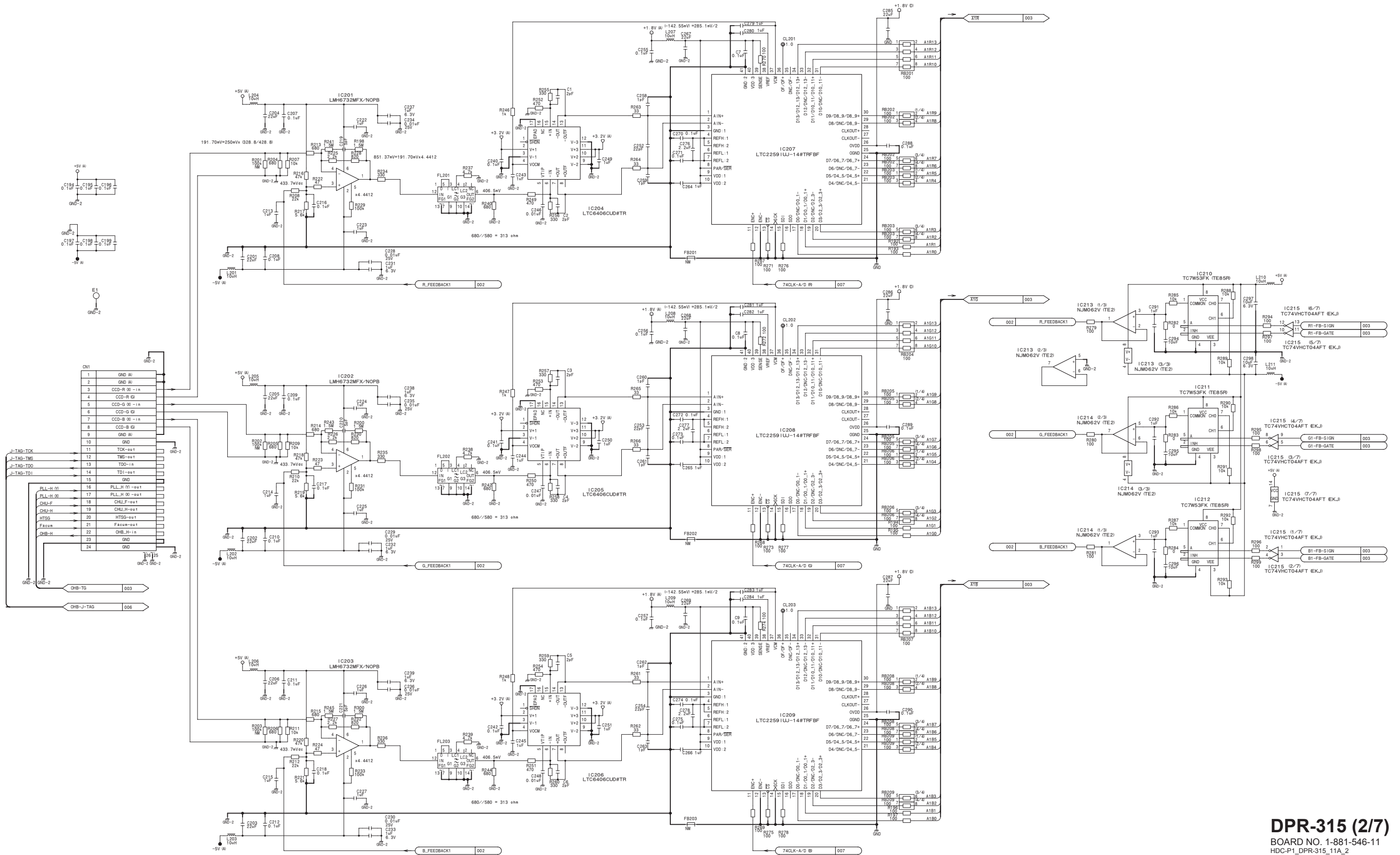


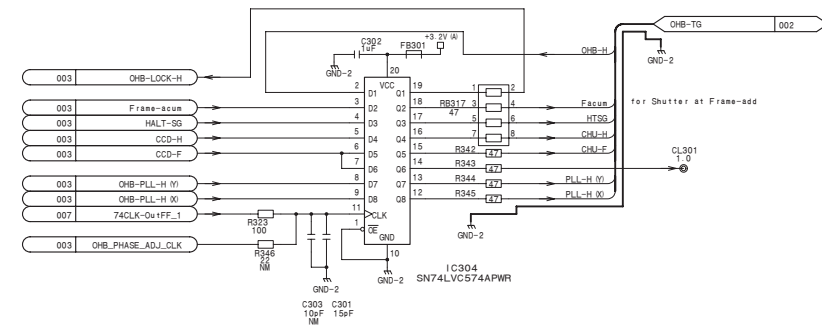
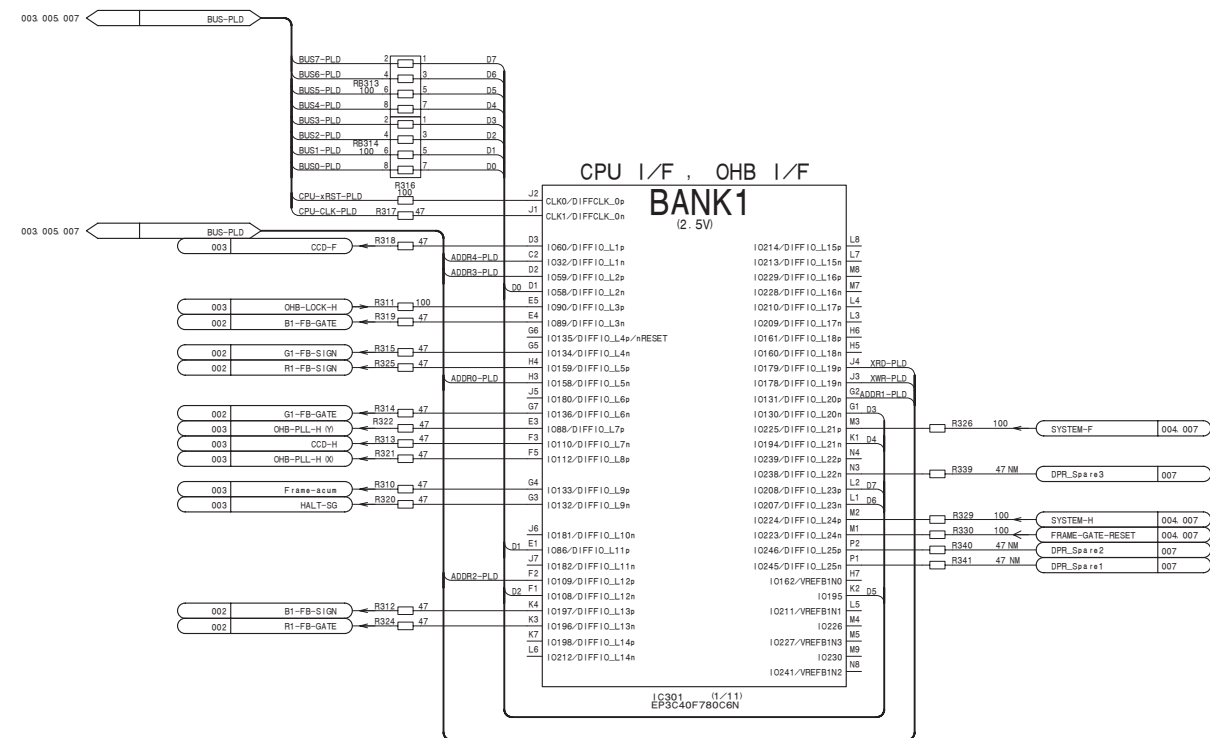
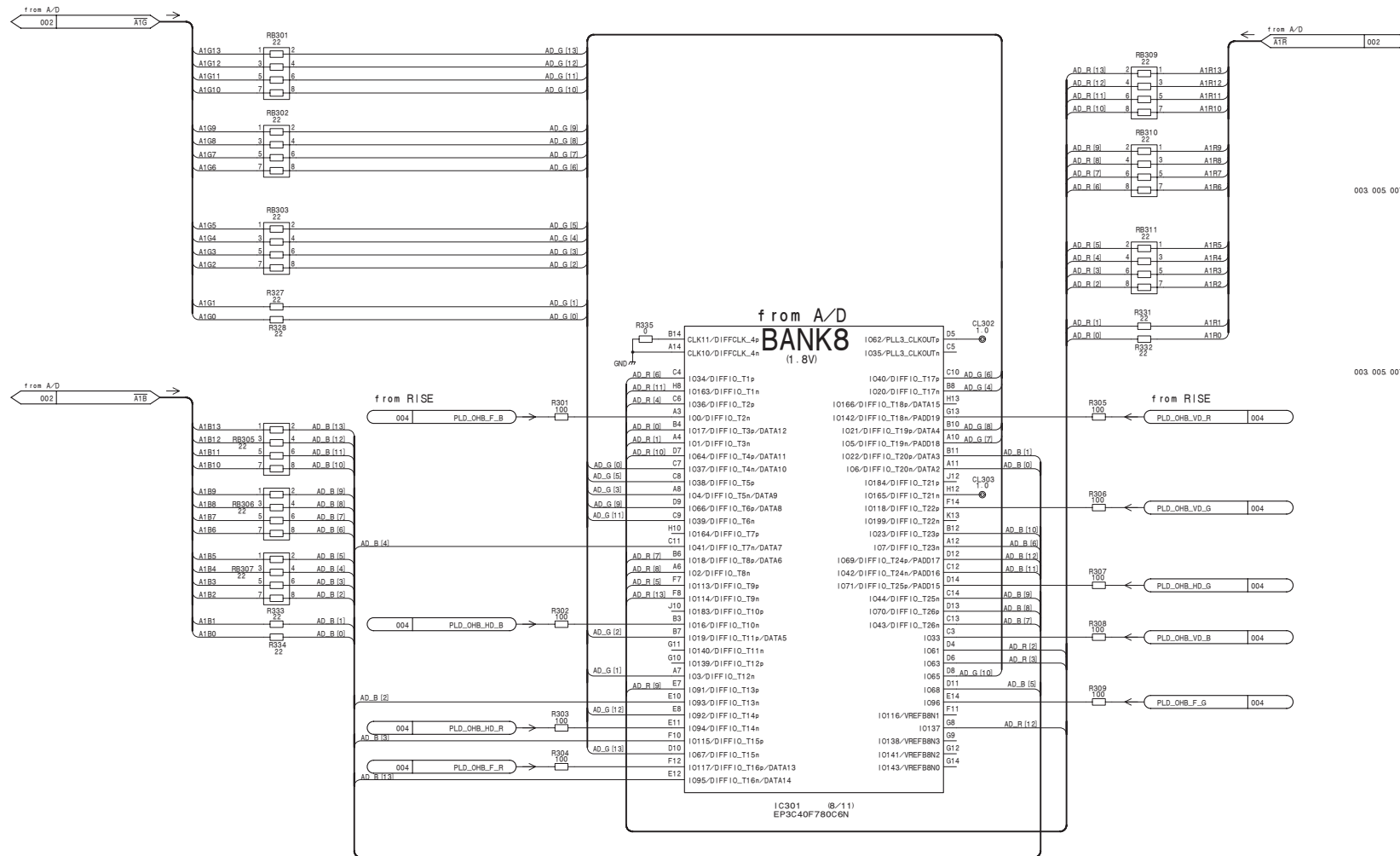
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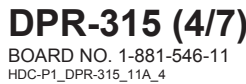
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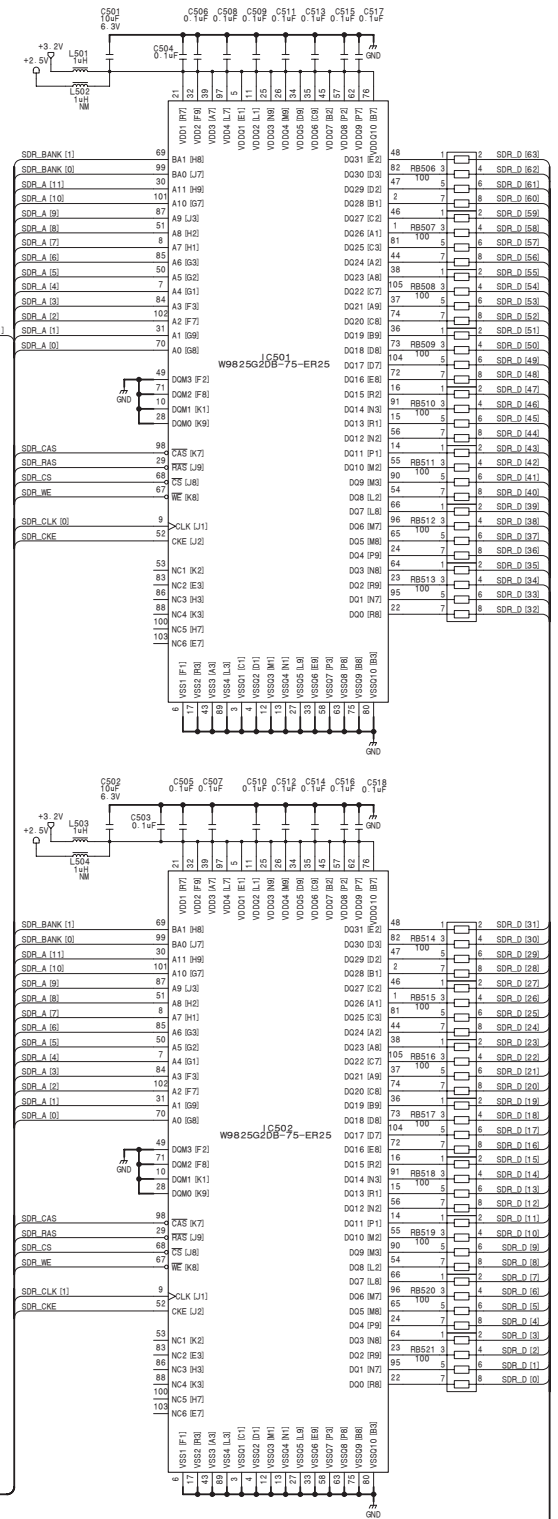
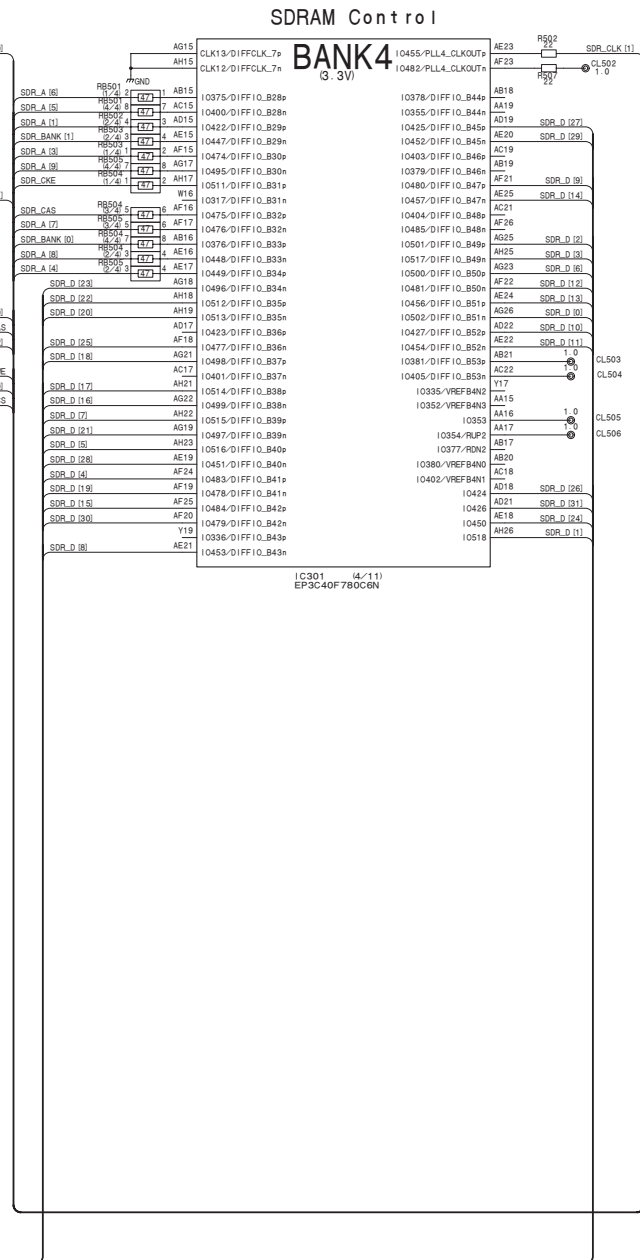
DPR-315 (1/7)
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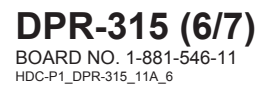


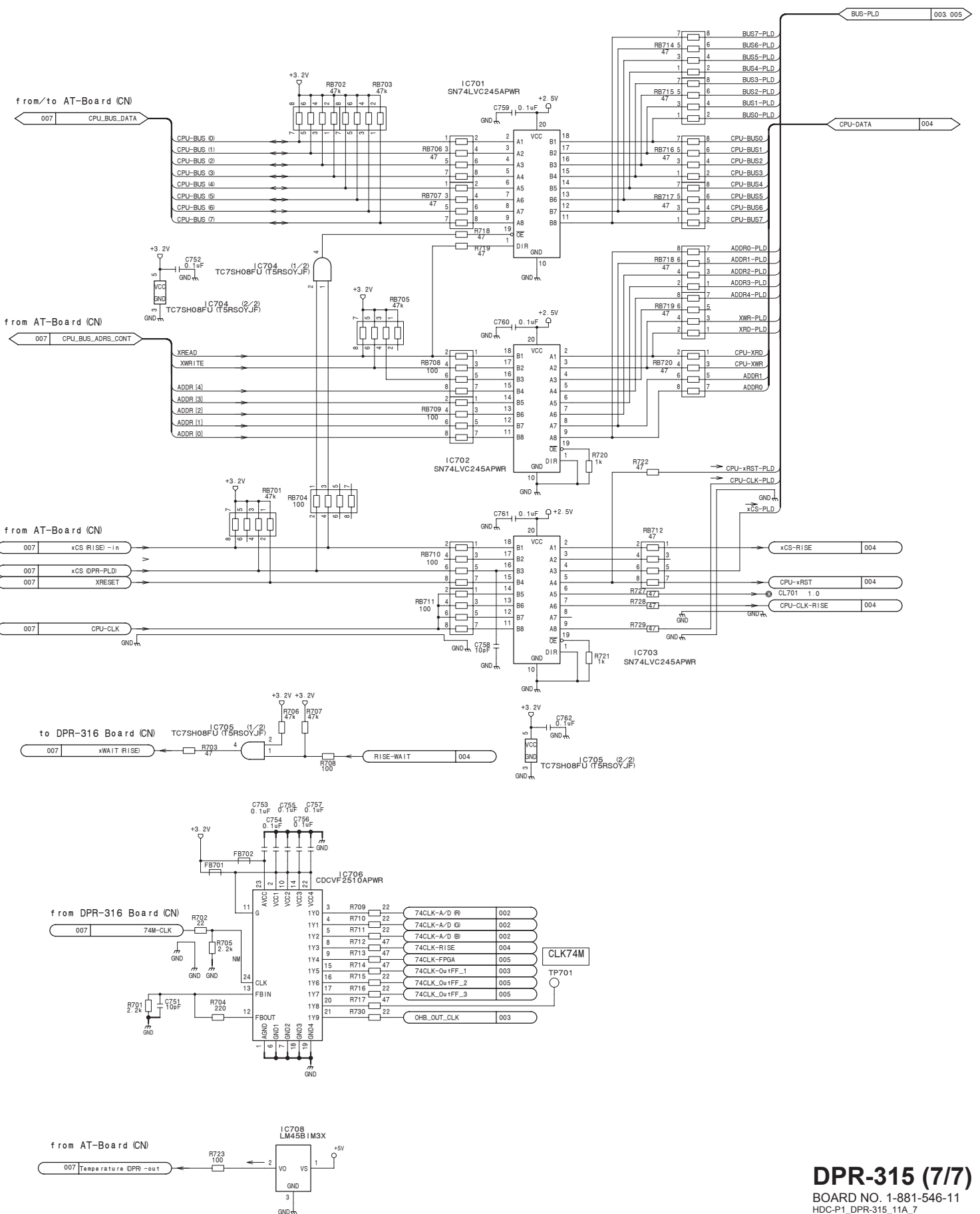




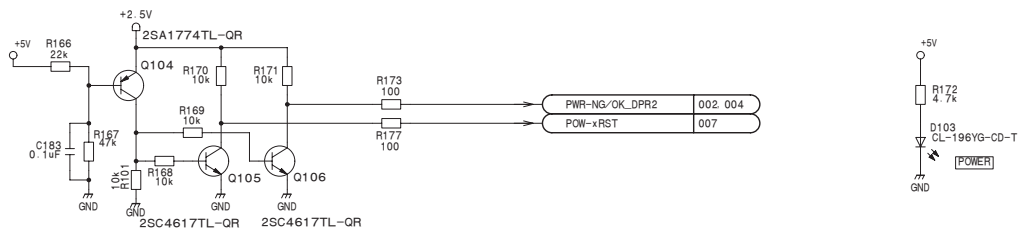
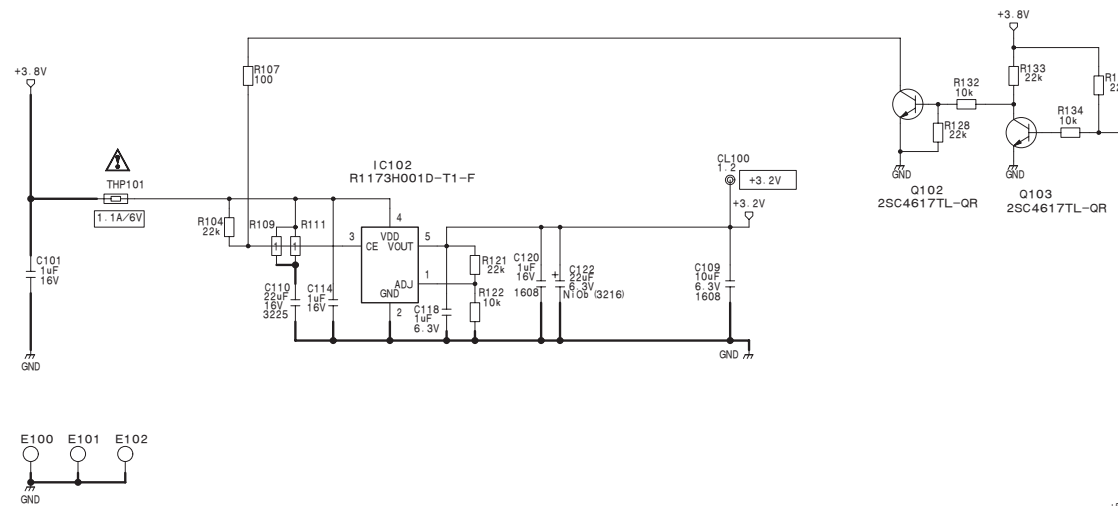
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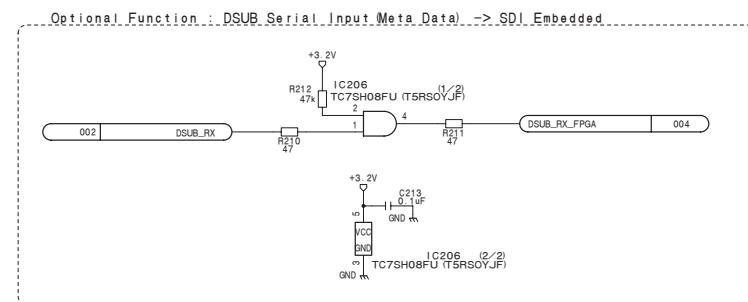
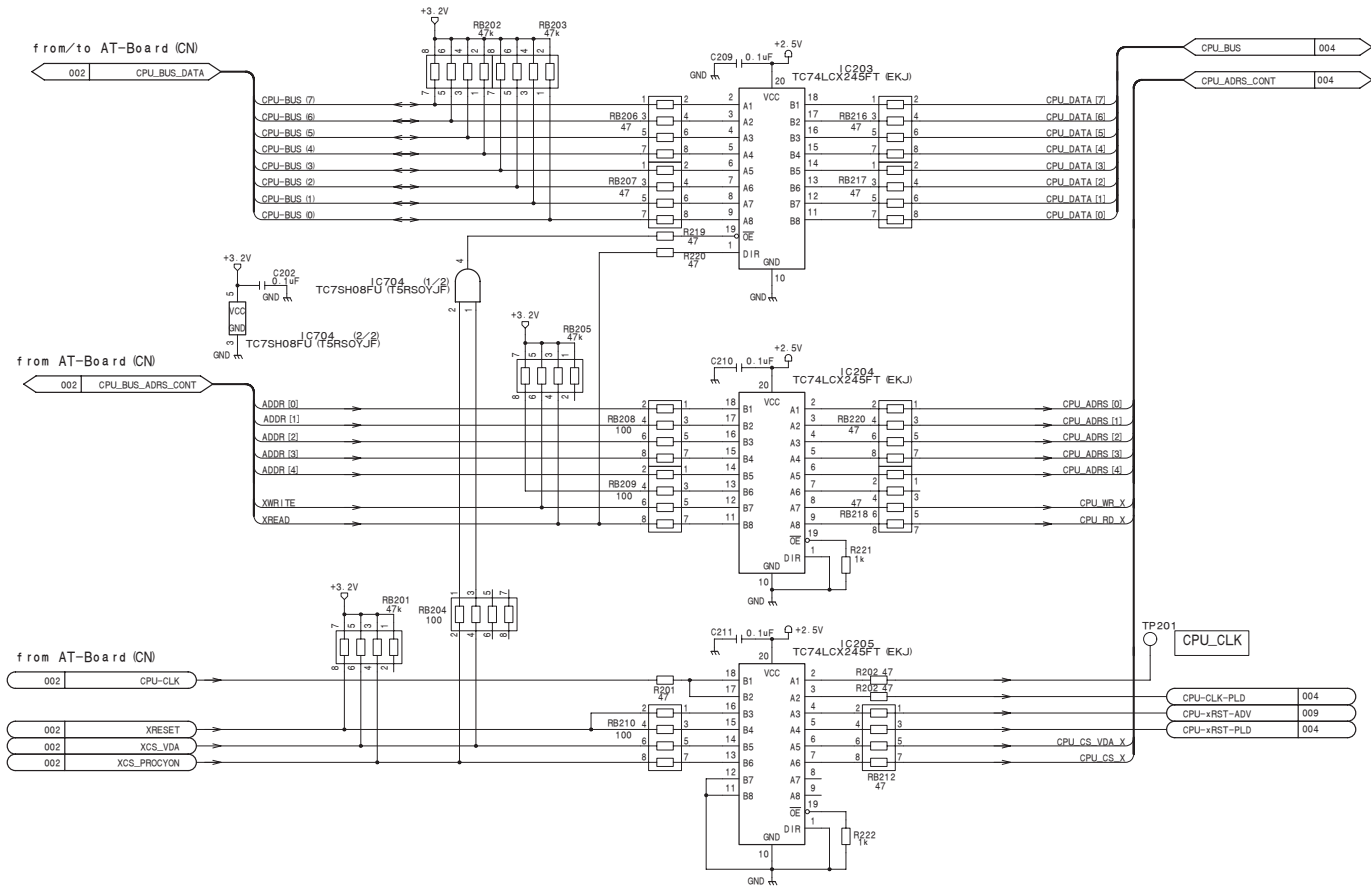




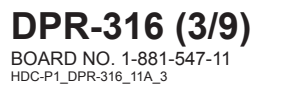
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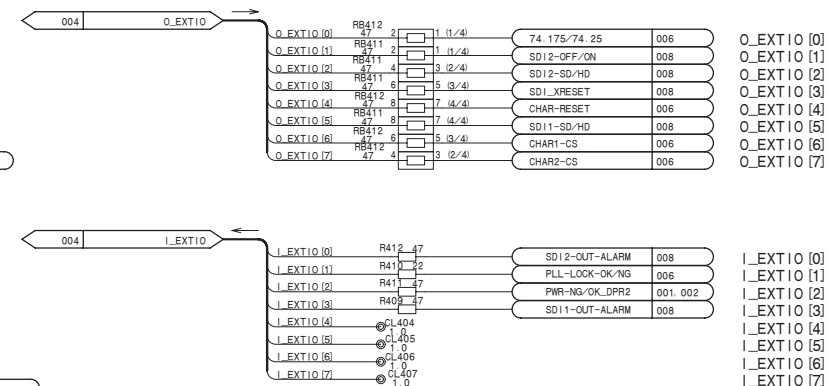
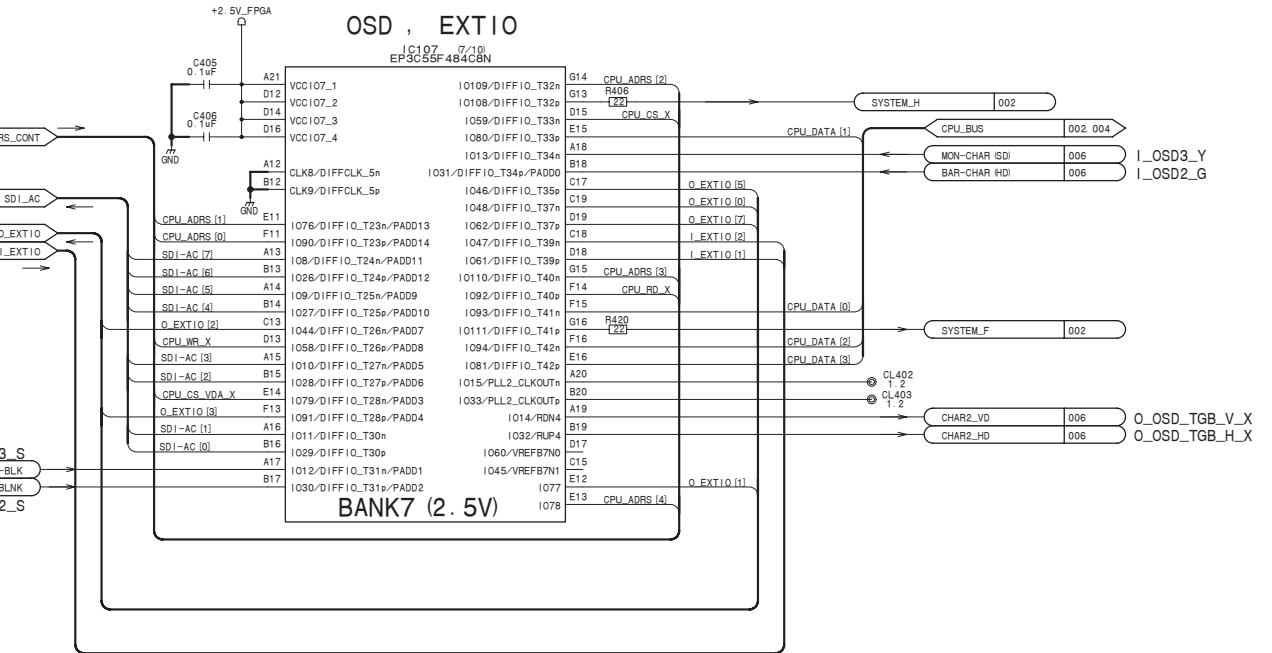
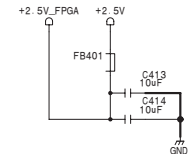


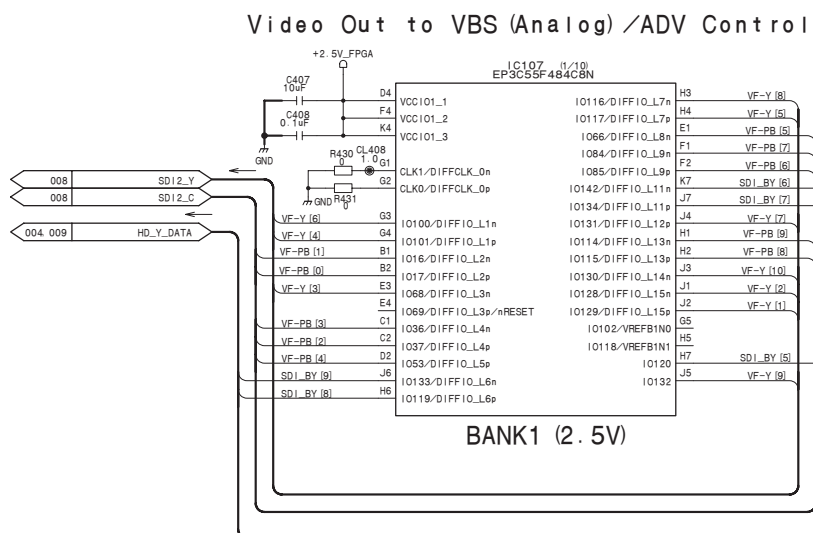
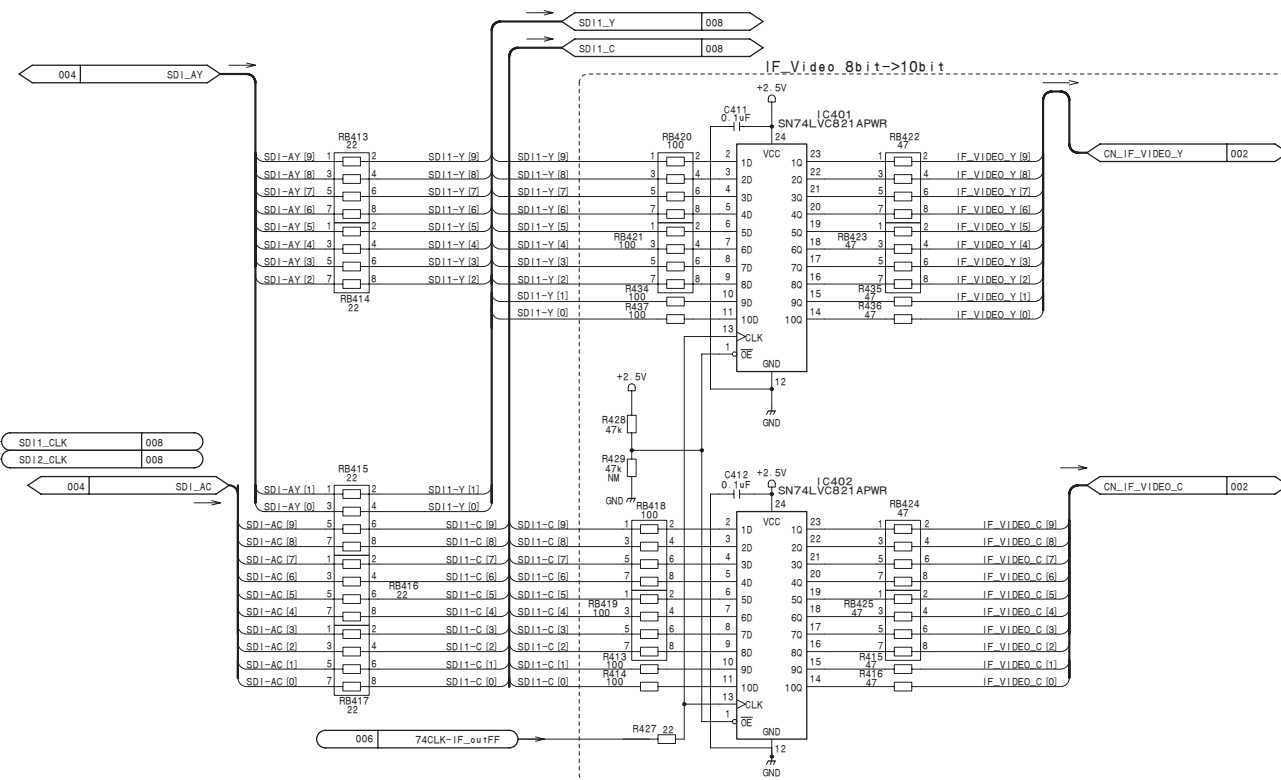
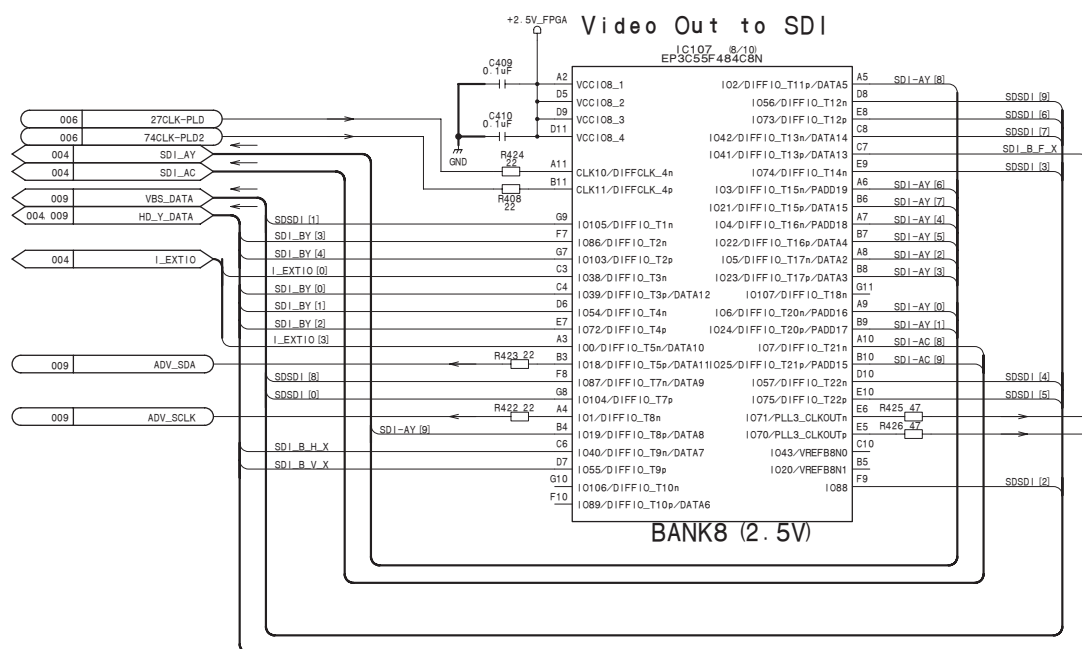
BOARD NO. 1-881-547-11
HDC-P1_DPR-316_11A_1



The schematic diagram shows the AT Board (CN) connected to two integrated circuits. The IC202 LM45BIM3X is a precision centigrade centivoltmeter. Its pin 1 is connected to +5V (A), pin 3 is GND, pin 2 is connected to a 100Ω resistor (R206) which is then connected to the 'Temperature (DPR2) --out' pin of the AT Board (CN). The IC705 TC7SH08FU (T5RS0YJF) is a 1/2 8-bit CMOS octal inverters. Its pin 1 is connected to GND, pin 2 is connected to a 27kΩ resistor (R207) which is then connected to the 'WAIT_OUT' pin of the AT Board (CN). Pin 3 is connected to a 27kΩ resistor (R208) which is then connected to the 'PROCVOL_WAIT' pin of the AT Board (CN). Pin 4 is connected to GND. Pin 5 is connected to +3.2V, pin 6 is connected to GND, pin 7 is connected to +3.2V, and pin 8 is connected to GND. A 0.1μF capacitor (C212) is connected between pin 5 and GND. The AT Board (CN) has pins 002, 003, 004, and 002 connected to the respective pins of the ICs.

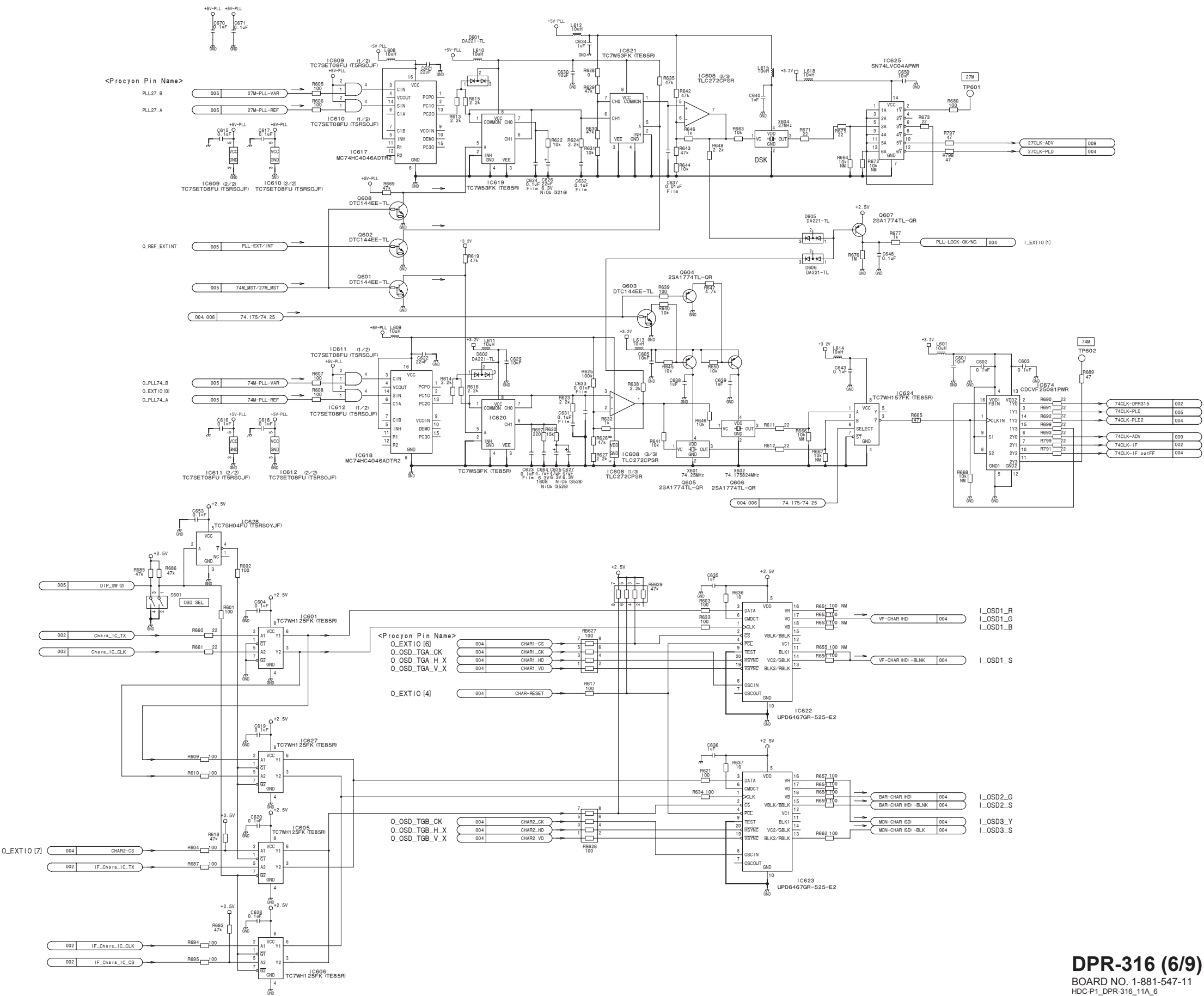


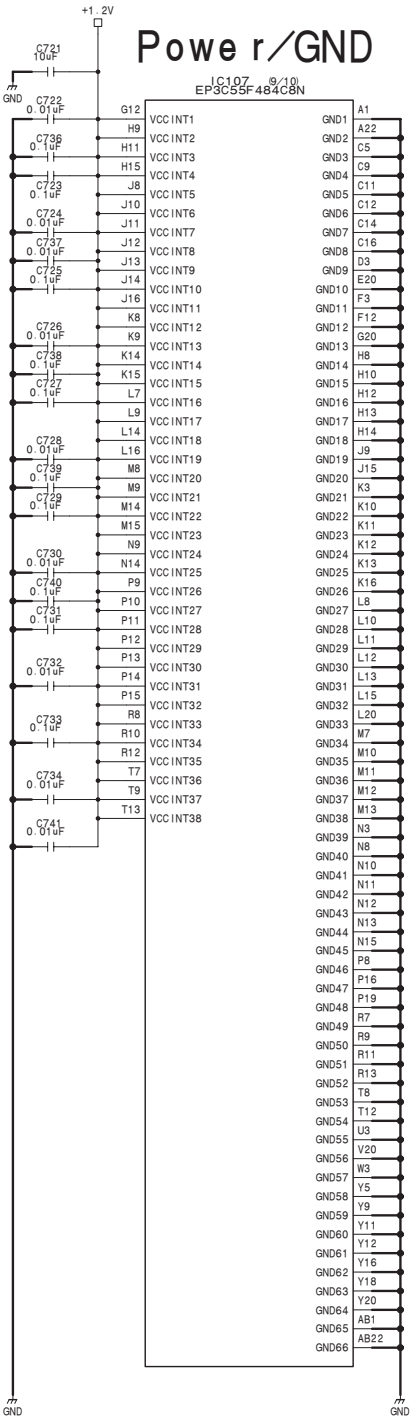




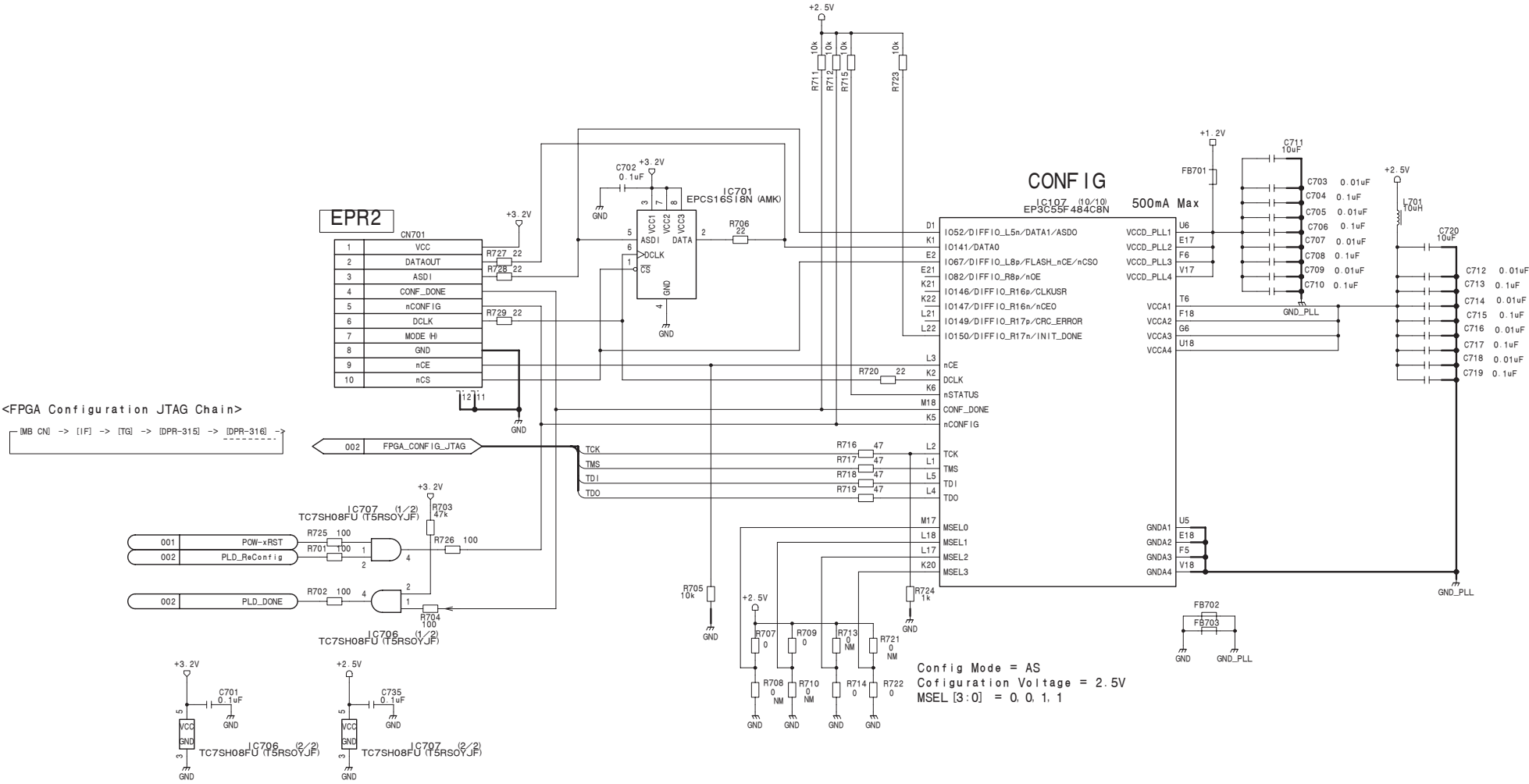
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BOARD NO. 1-881-547-11
HDC-P1_DPR-316_11A_4

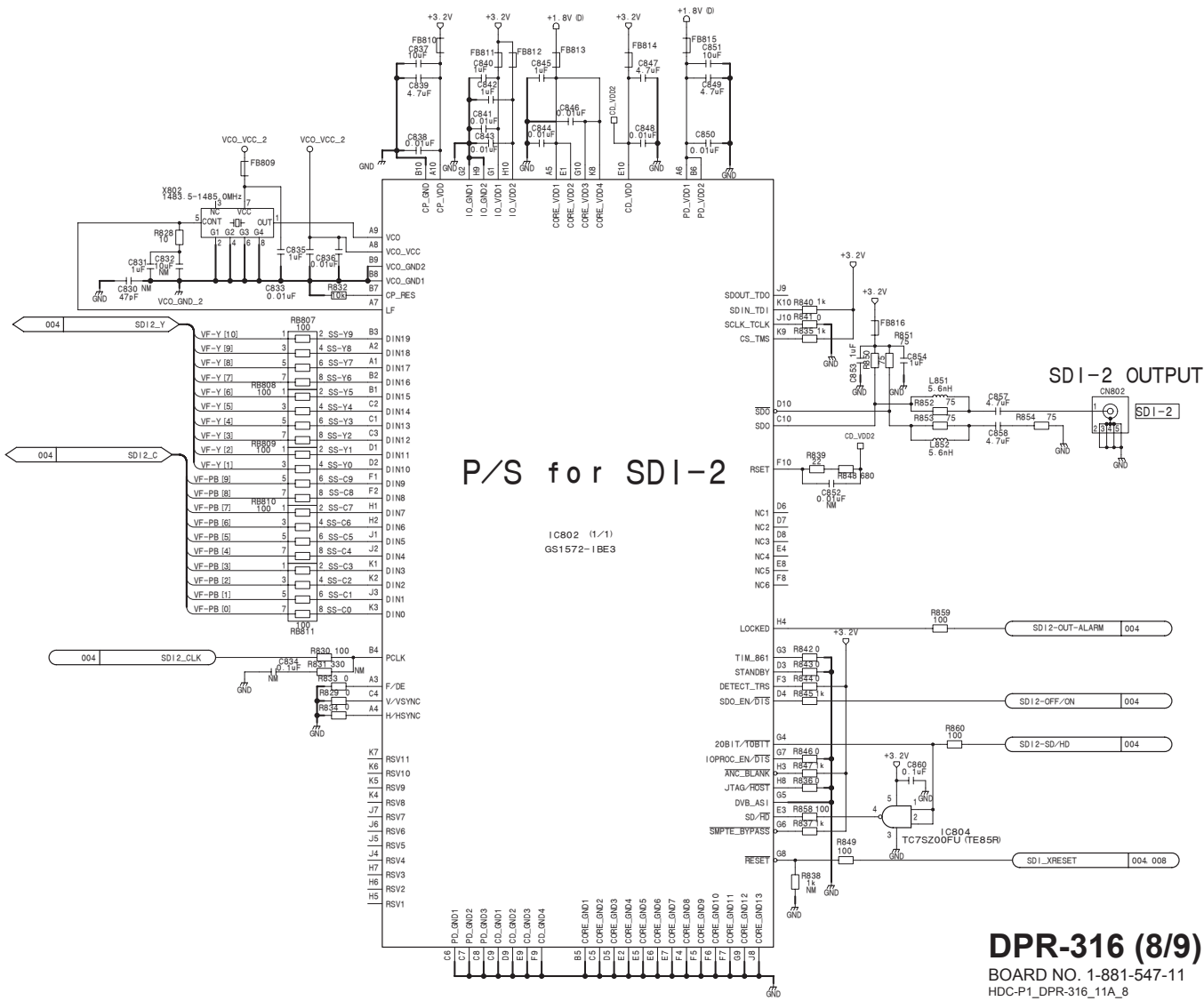
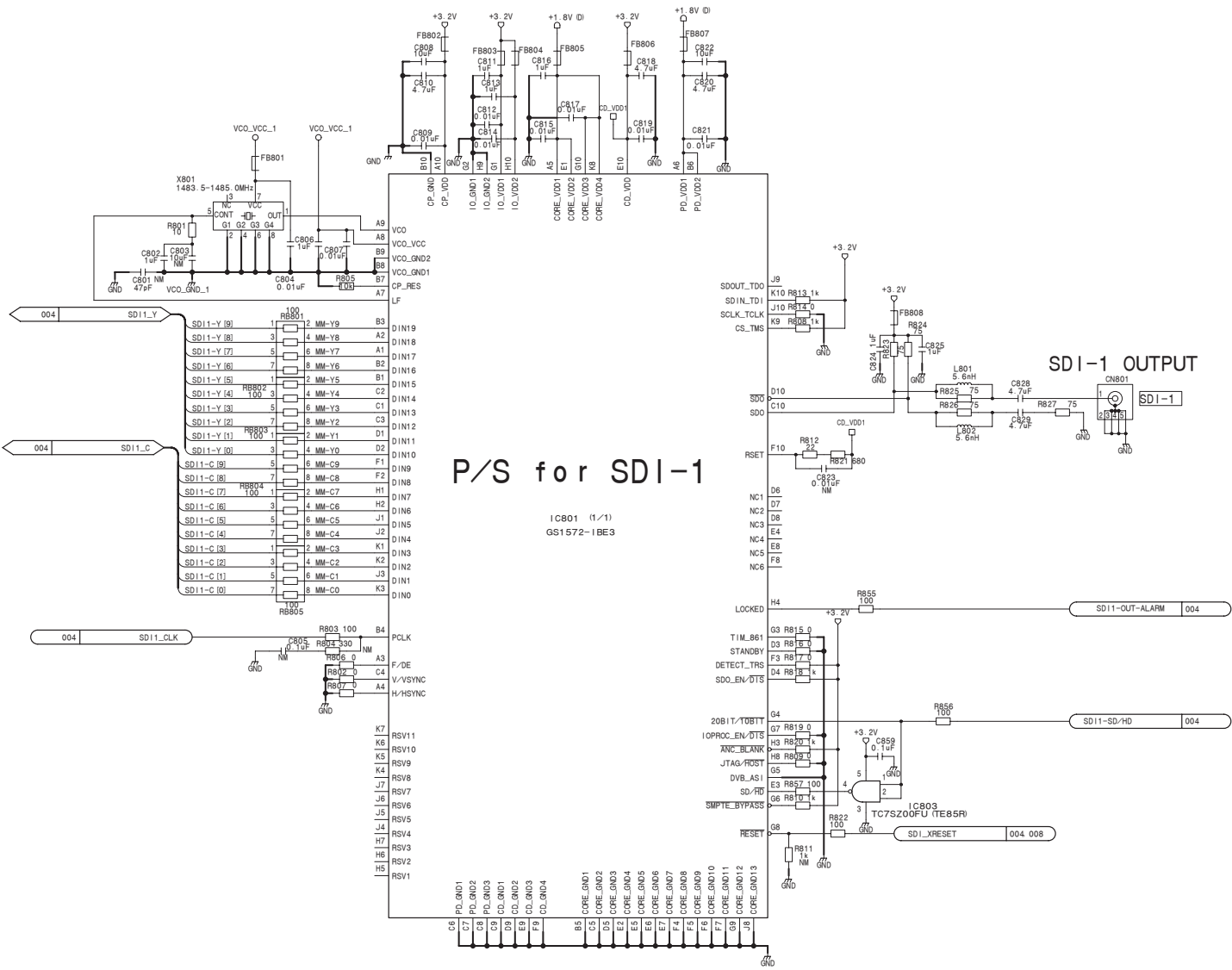




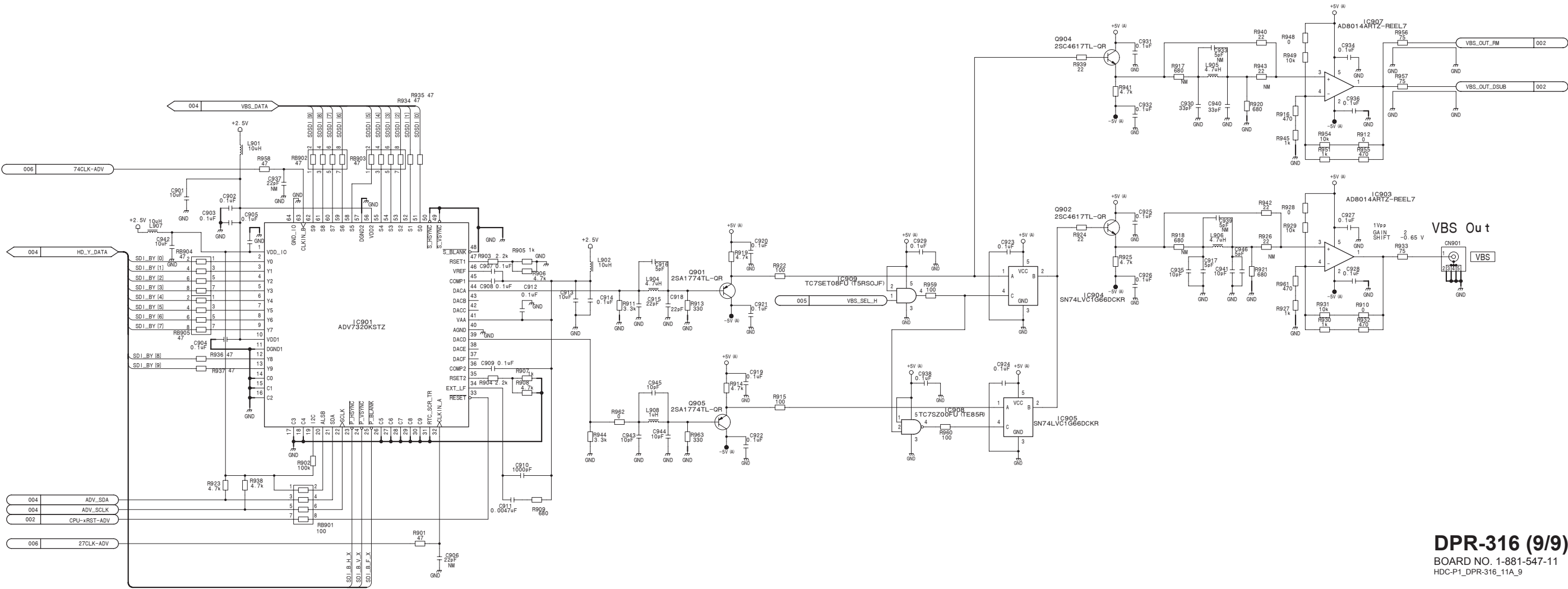


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BOARD NO. 1-881-547-11
HDC-P1_DPR-316_11A_7



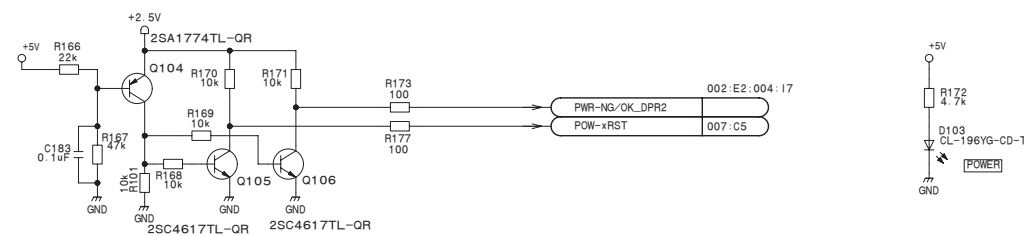
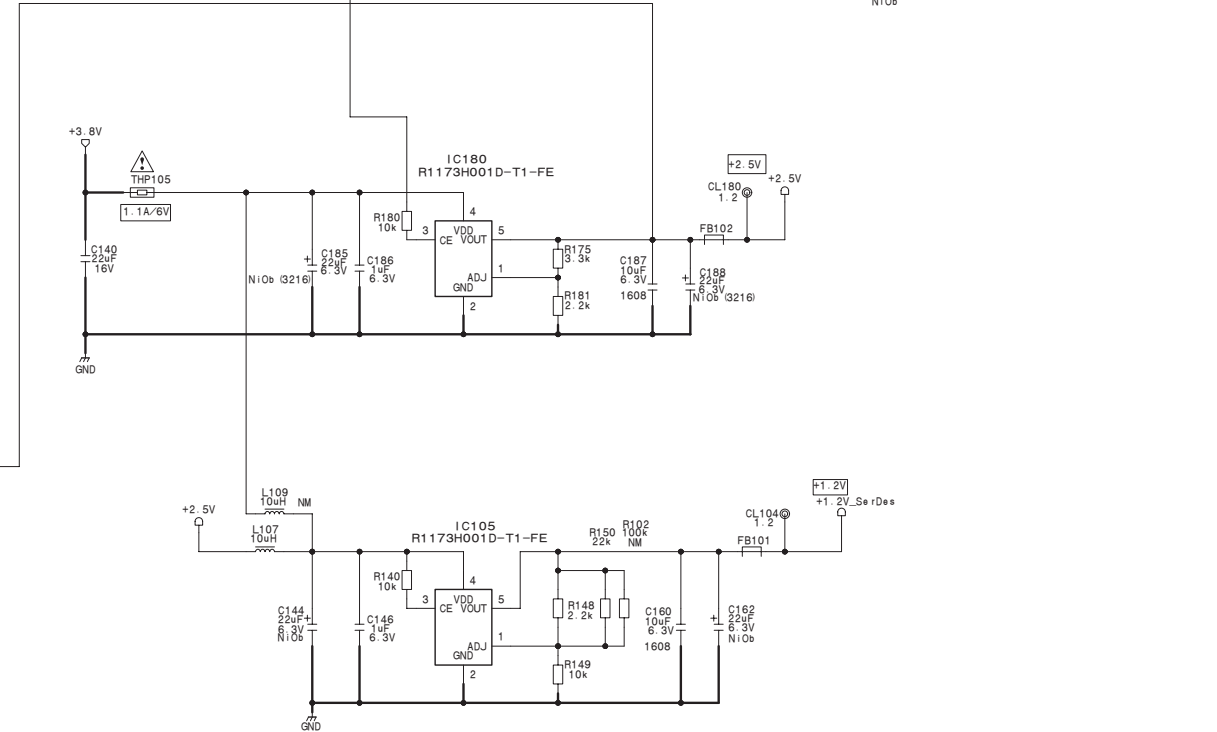
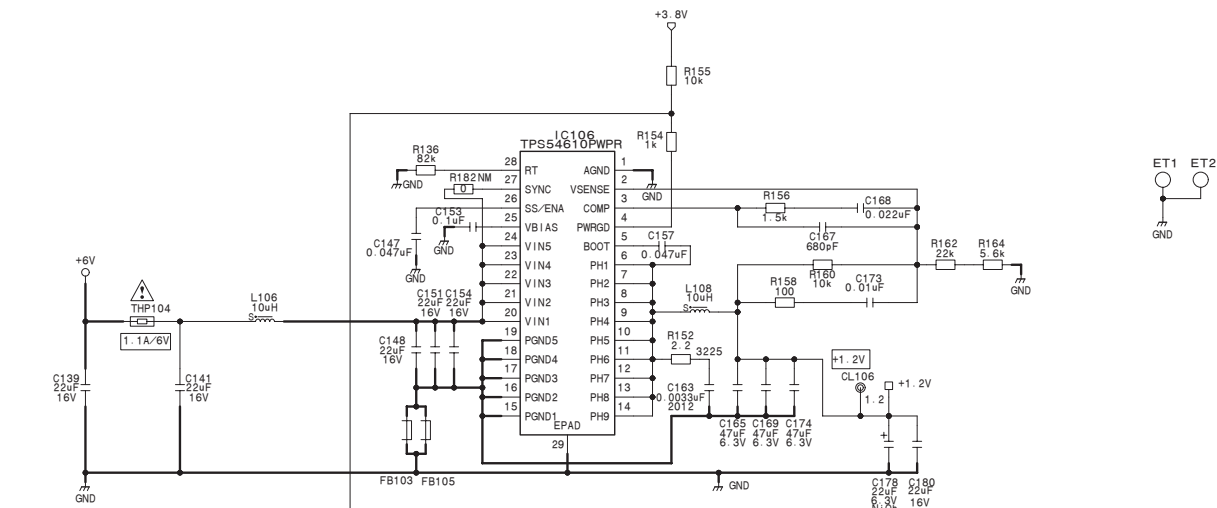


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BOARD NO. 1-881-547-11
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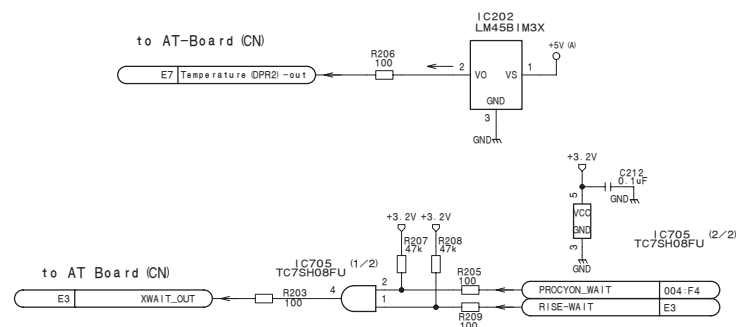


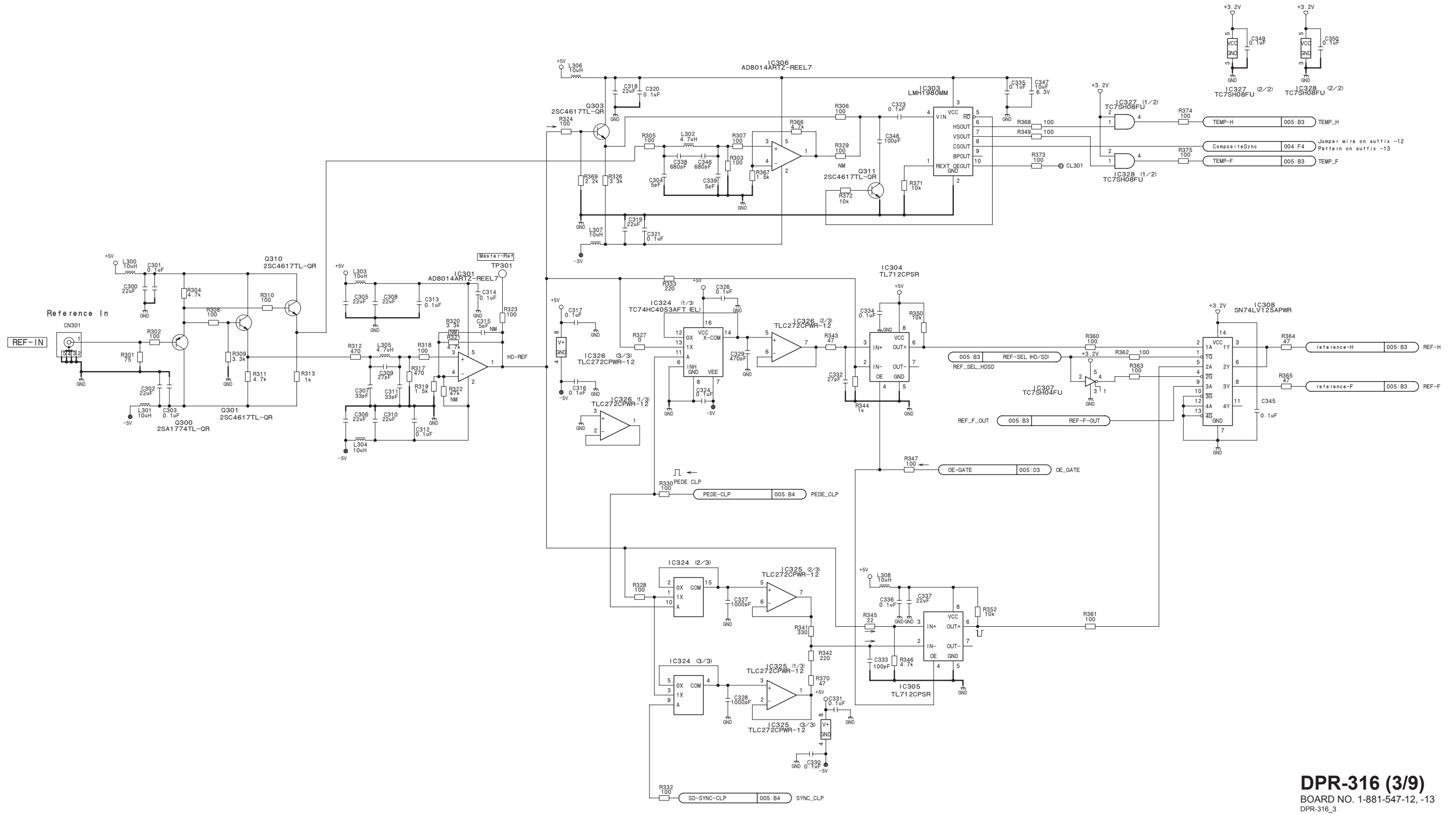
DPR-316 (9/9)
BOARD NO. 1-881-547-11
HDC-P1_DPR-316_11A_9

5



8-22 (a)





DPR-316 (3/9)
BOARD NO. 1-881-547-12, -13
DPR-316_3

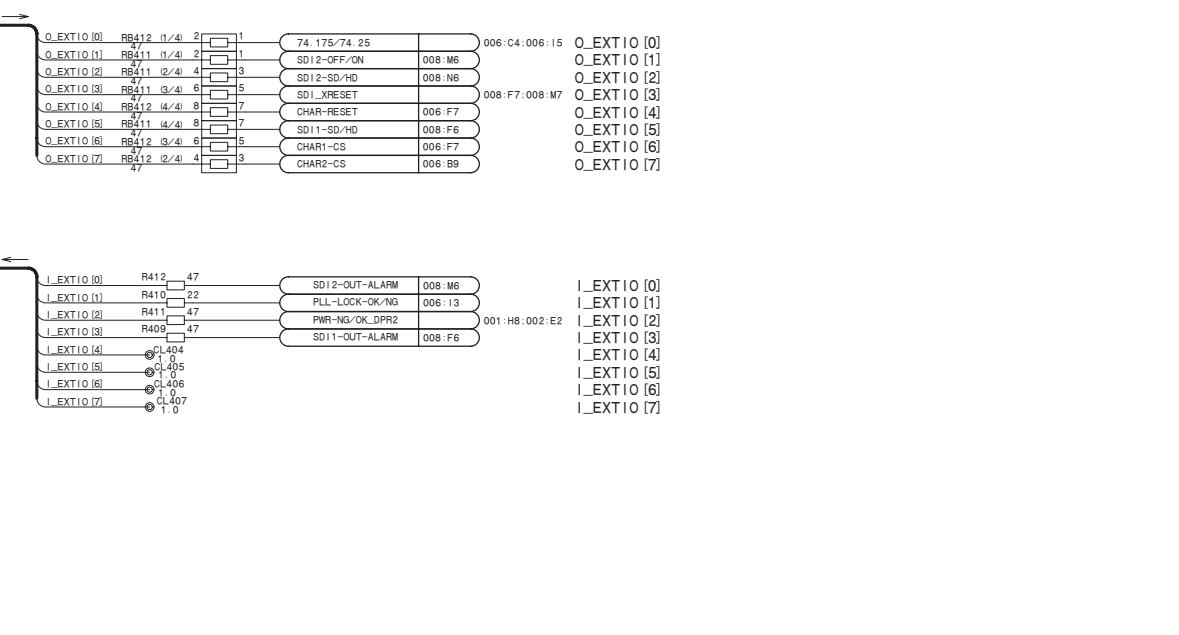
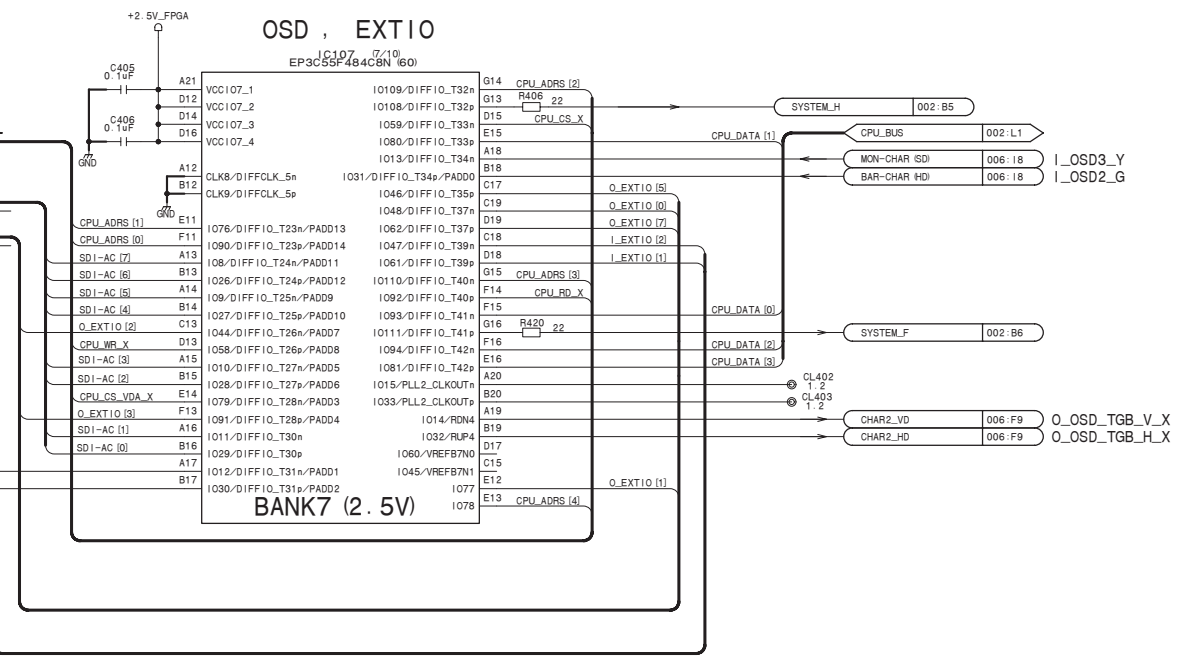
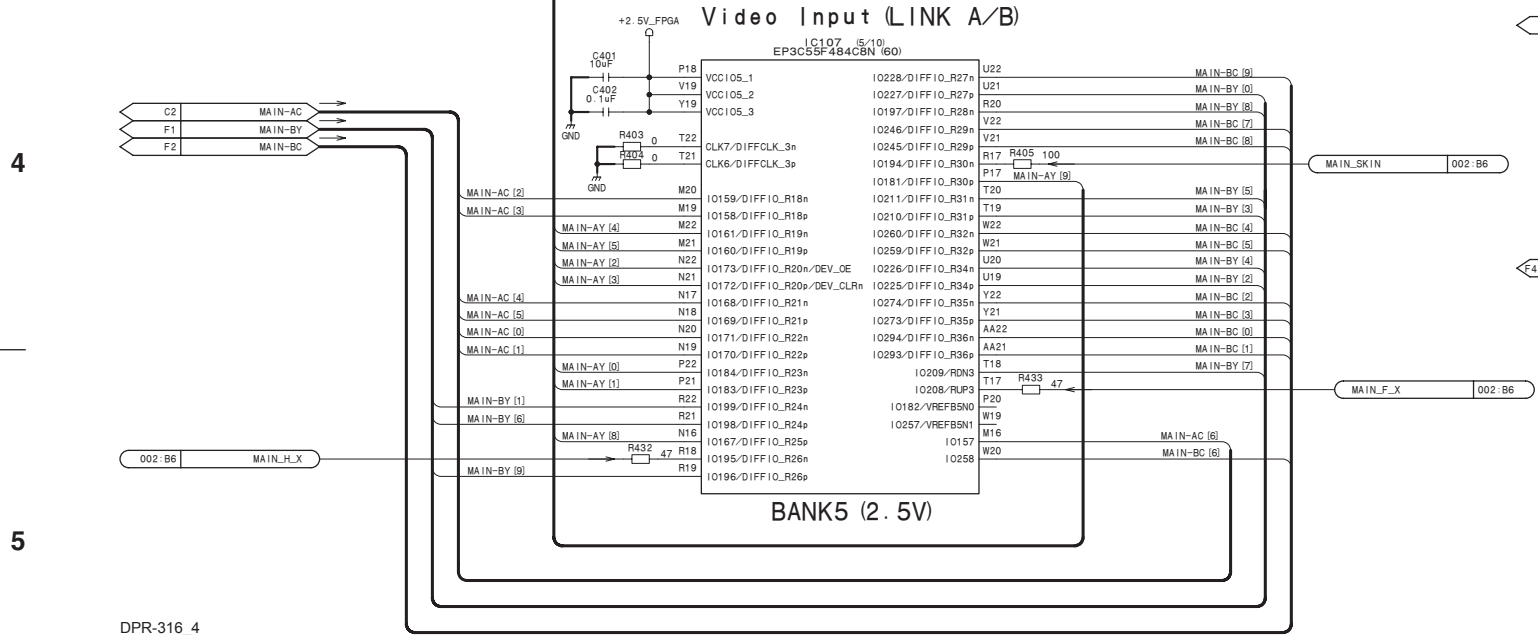
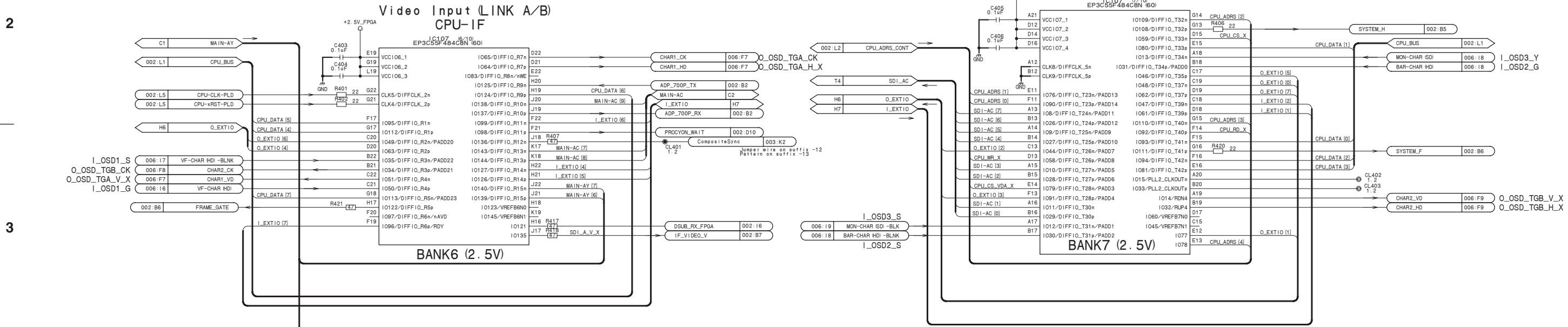
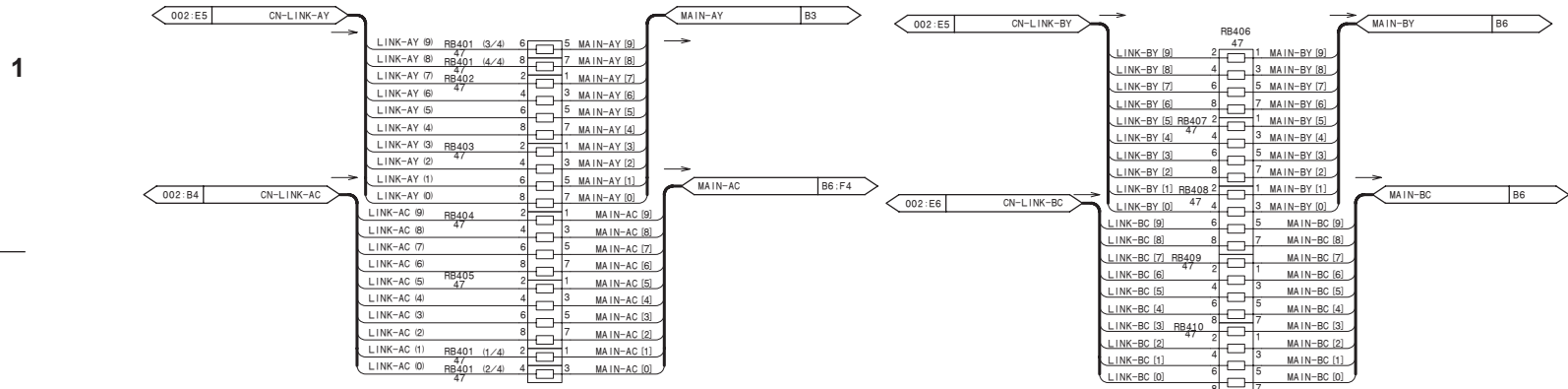
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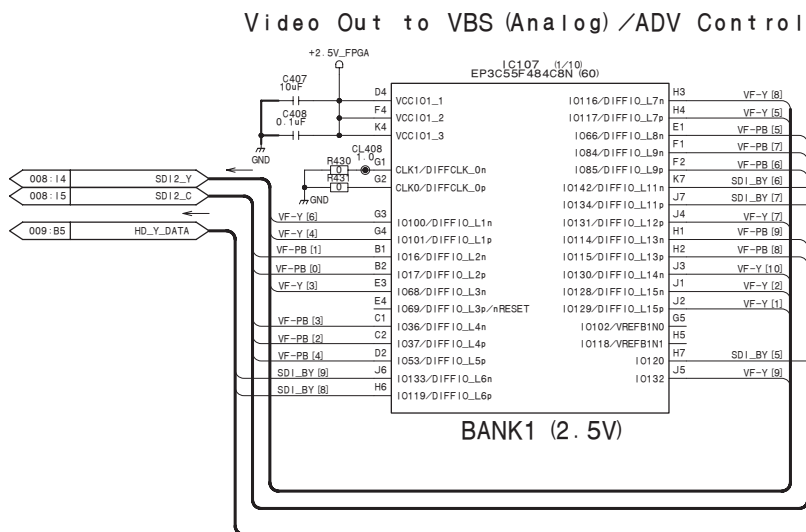
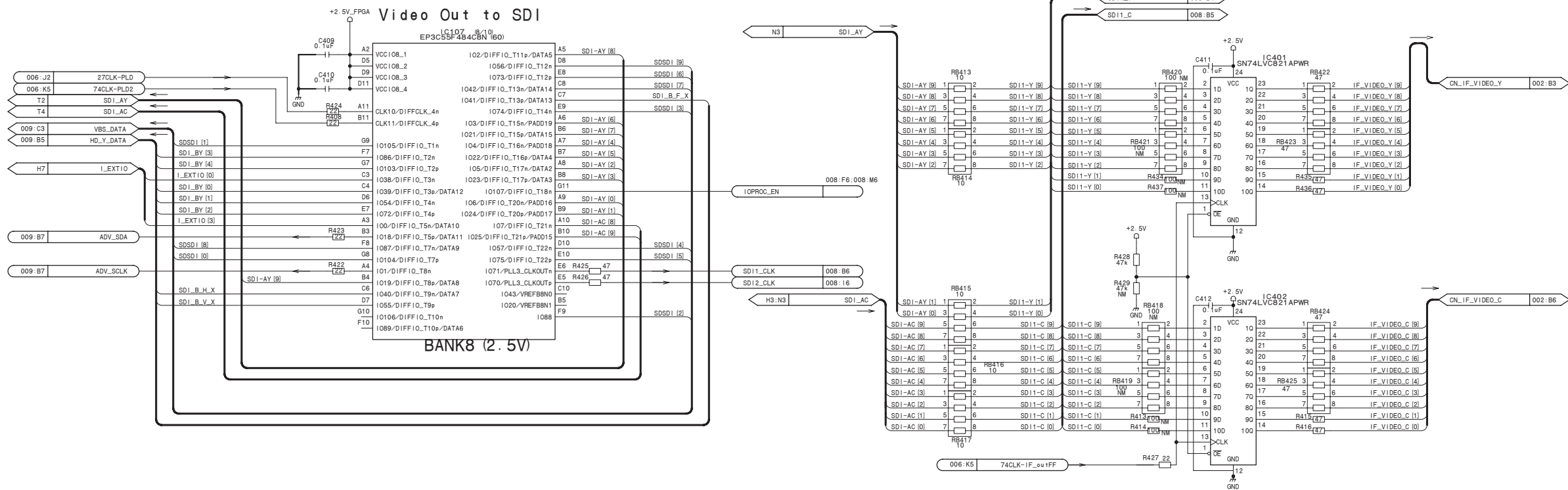
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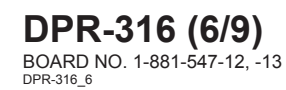
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DPR-316_4







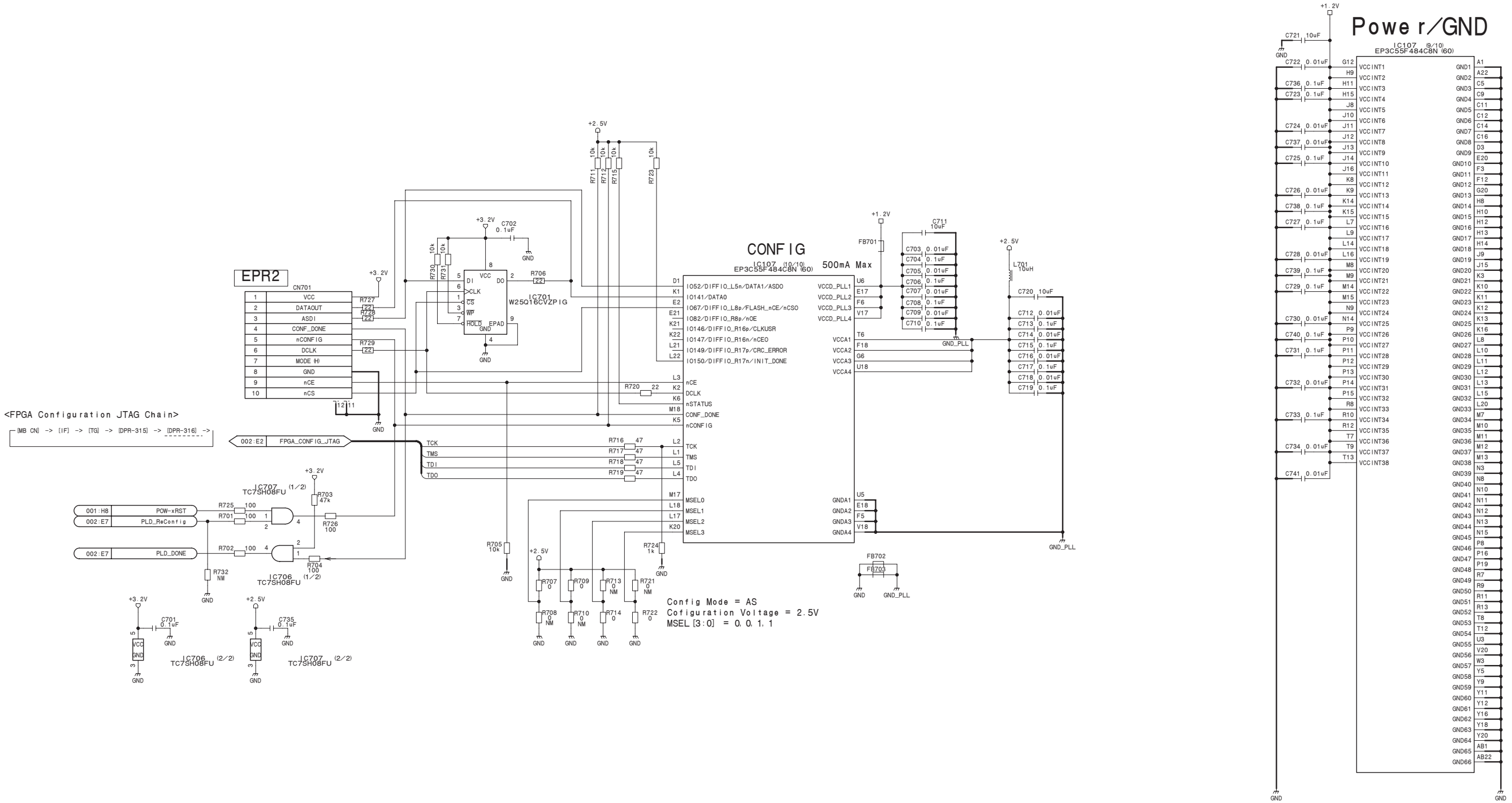
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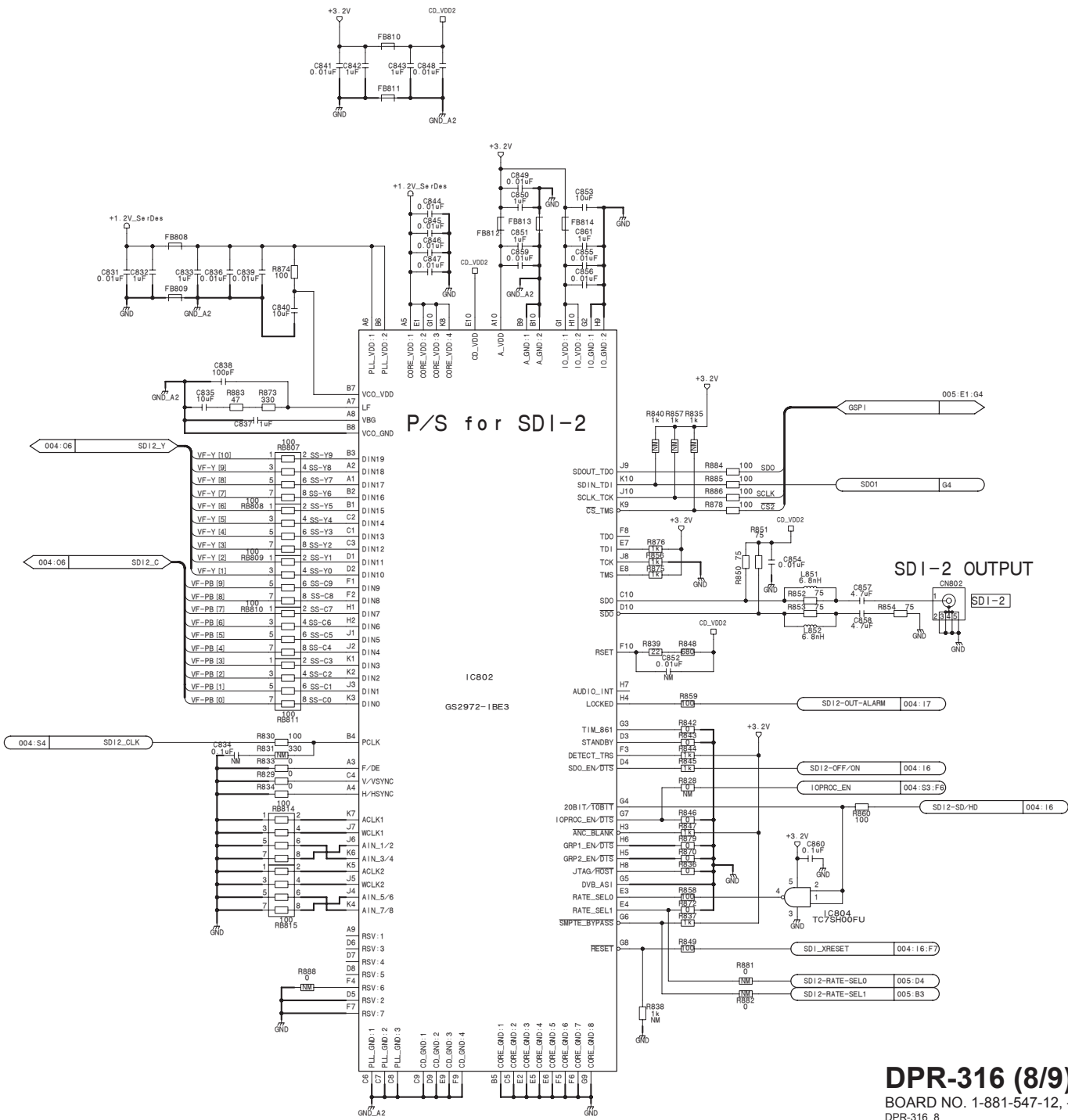
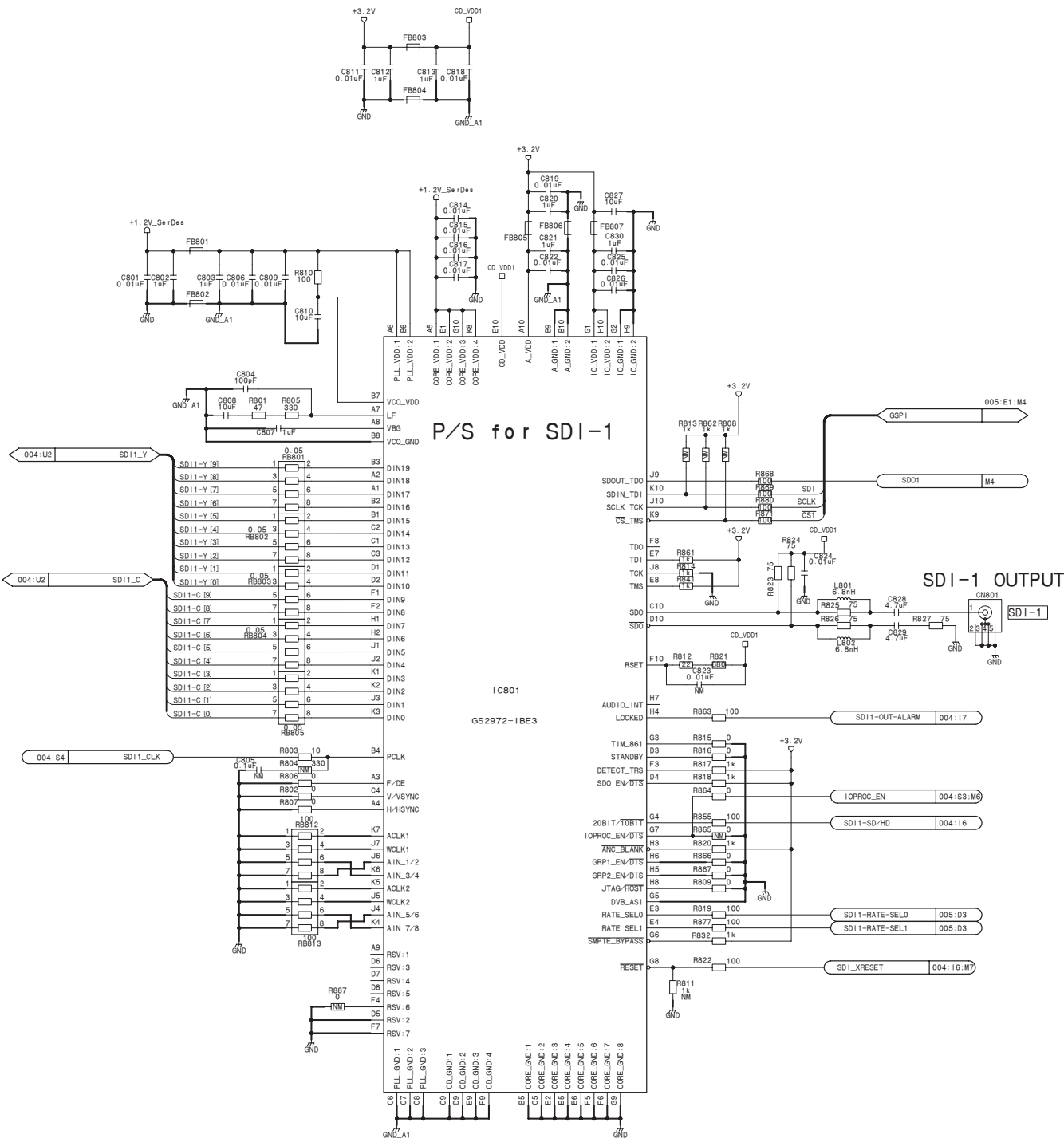
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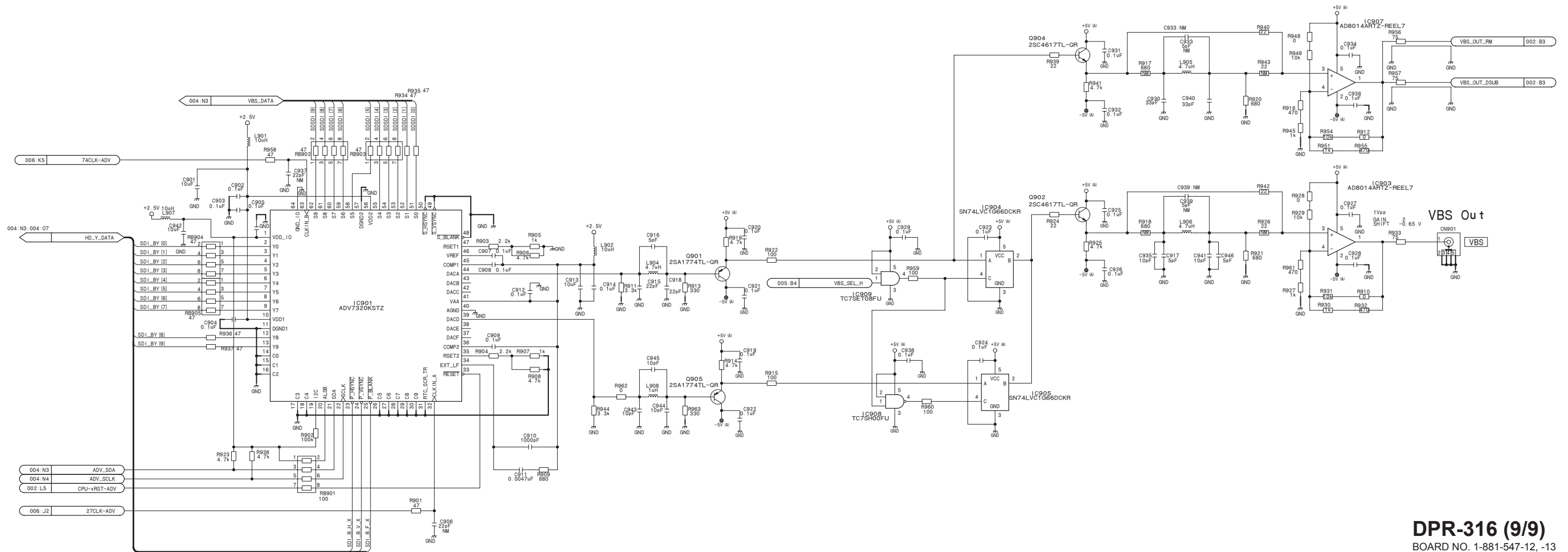
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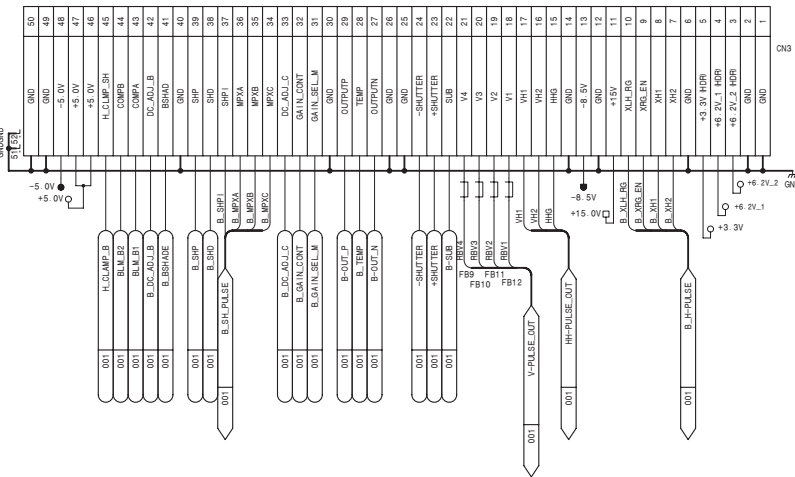
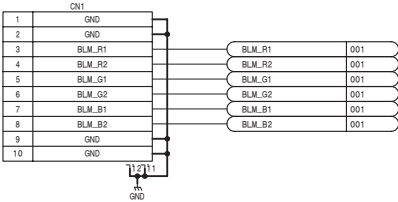
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BOARD NO. 1-881-547-12, -13
DPR-316_7





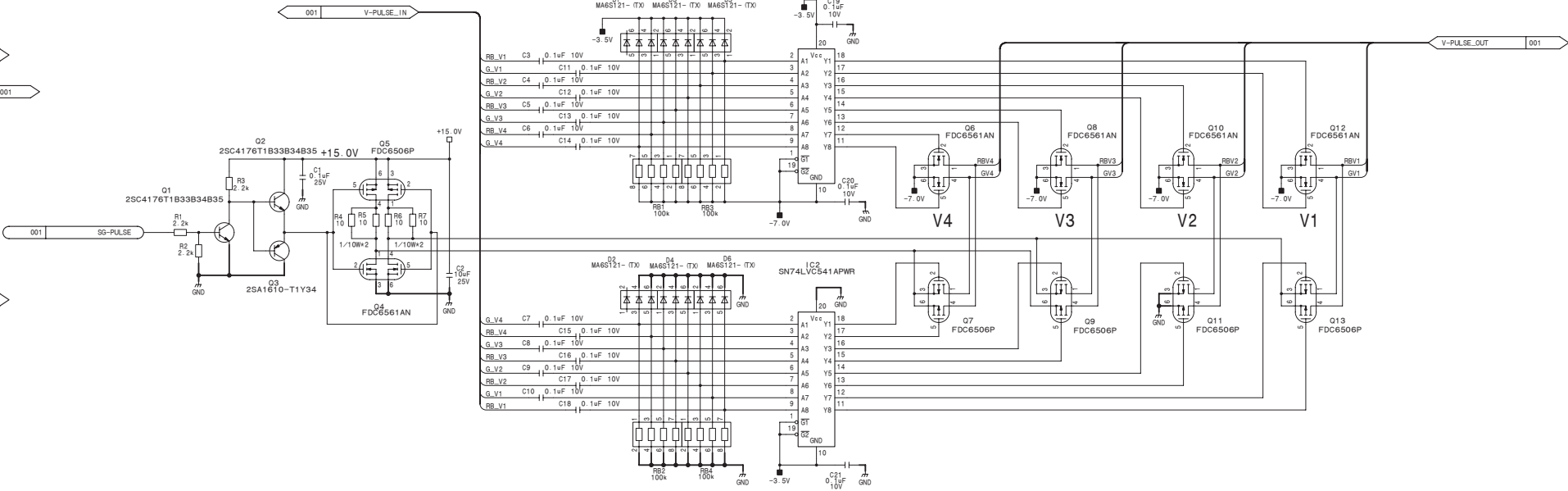
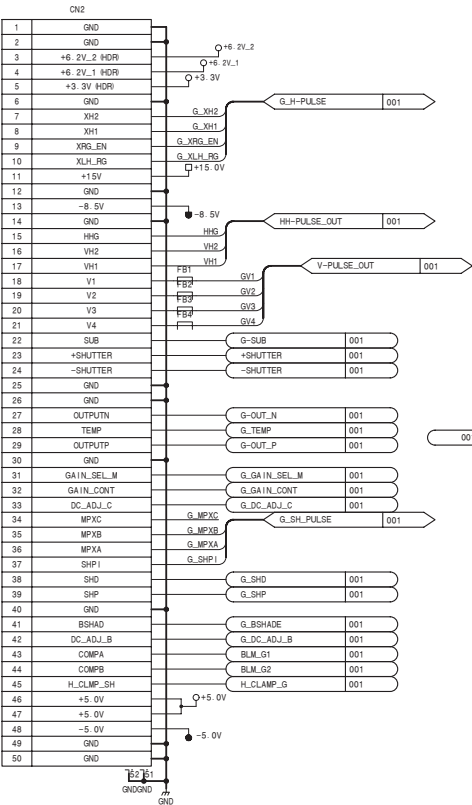
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BOARD NO. 1-881-547-12, -13
DPR-316_9

From NR

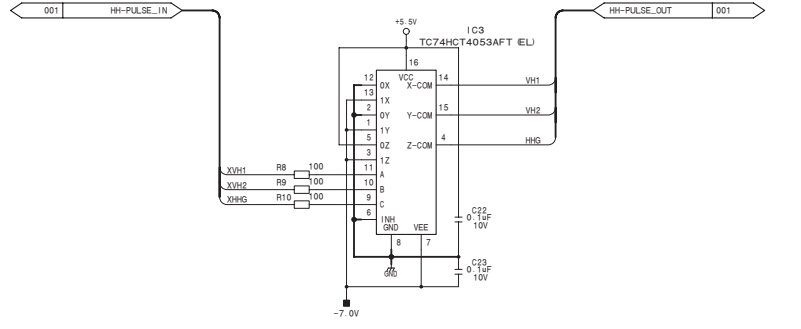
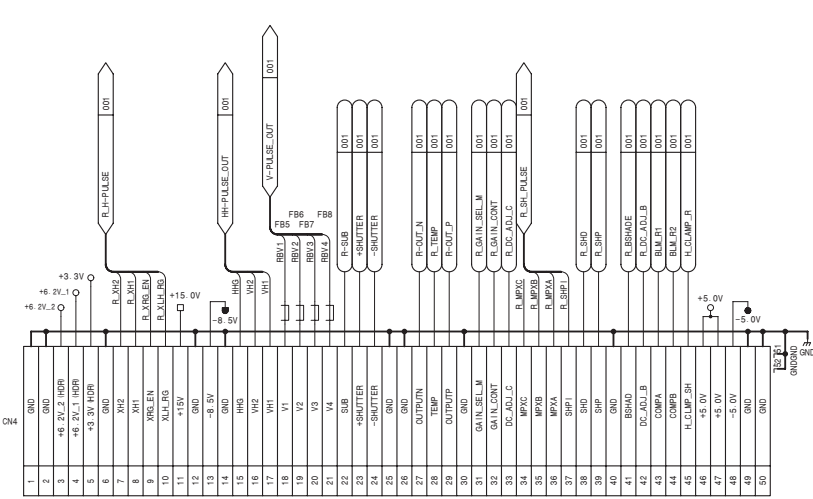


Bch

Gch



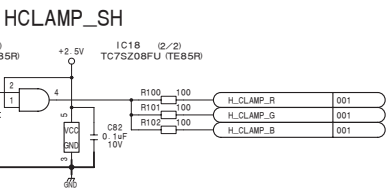
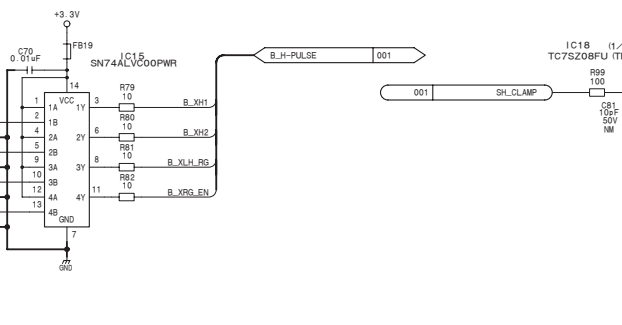
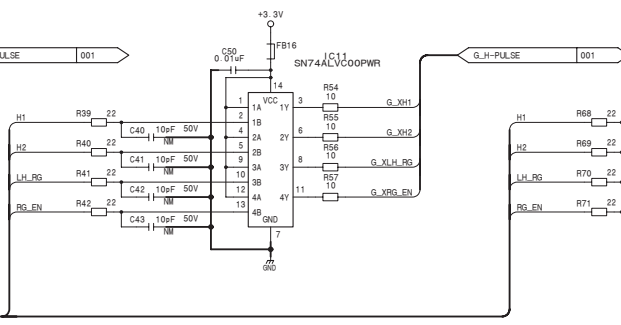
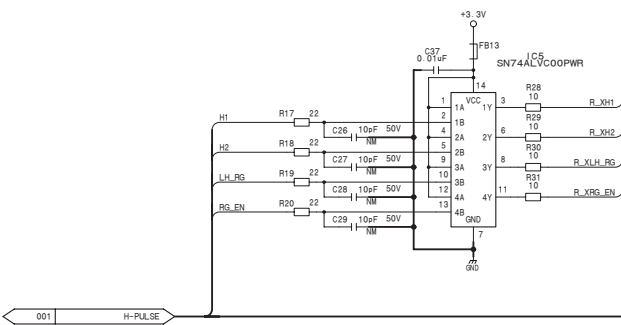
Rch



Rch_H-D r

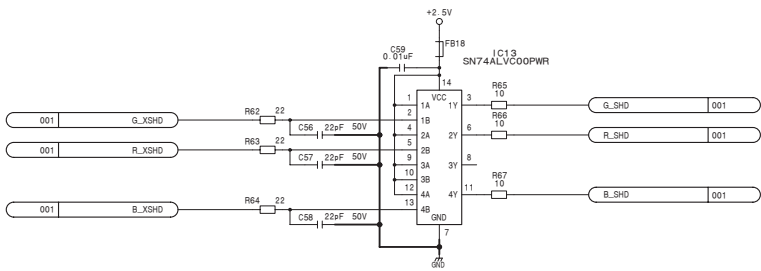
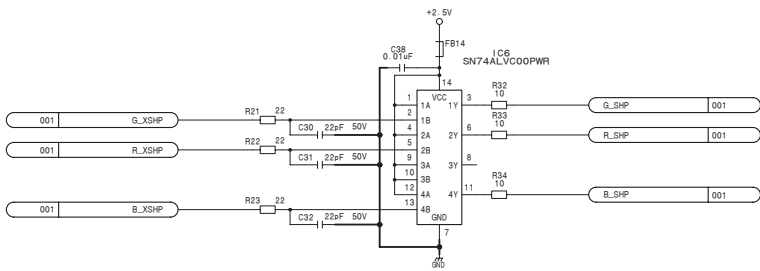
Gch_H-D r

Bch_H-D r



SHP

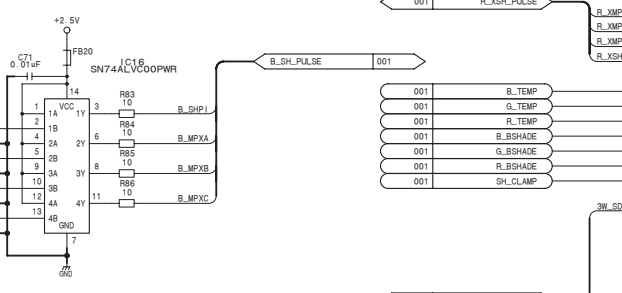
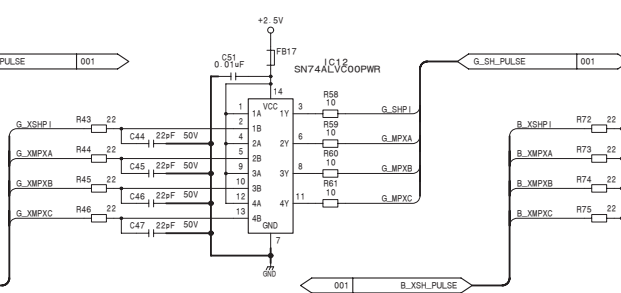
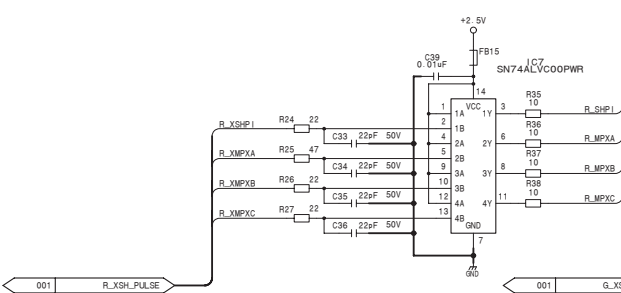
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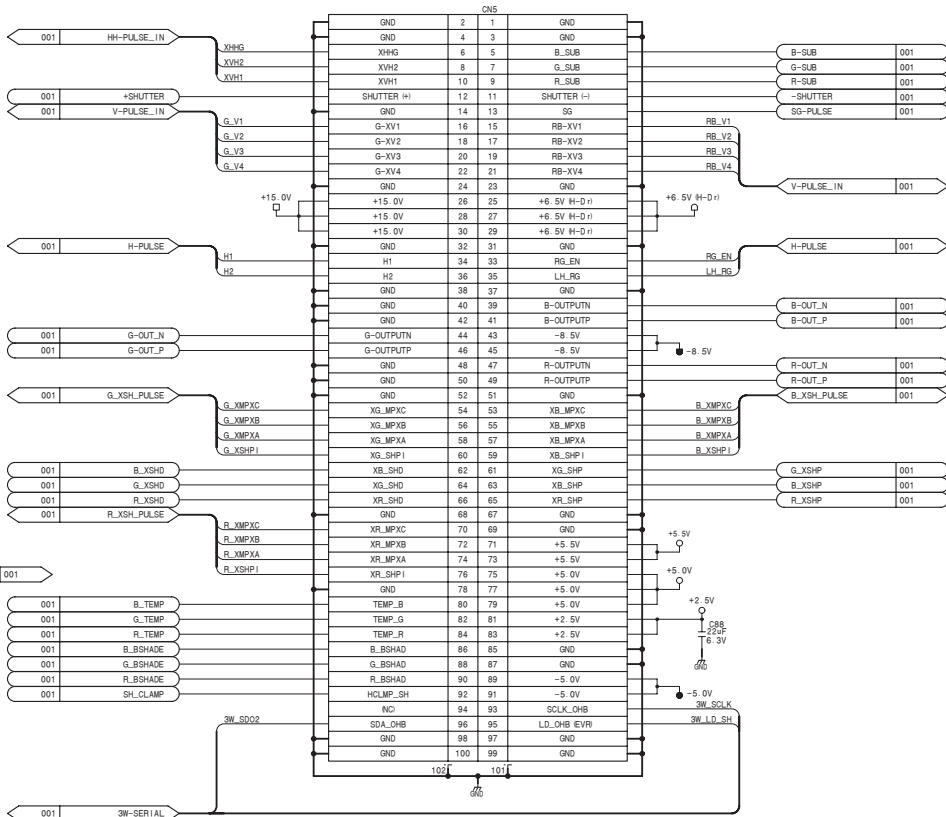
Rch_S/H

Gch_S/H

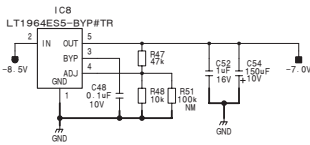
Bch_S/H



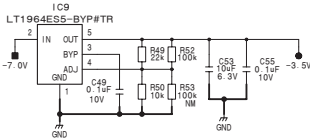
From/To TG



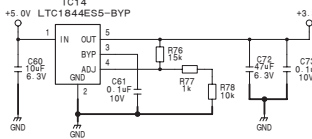
-8.5V->-7.0V



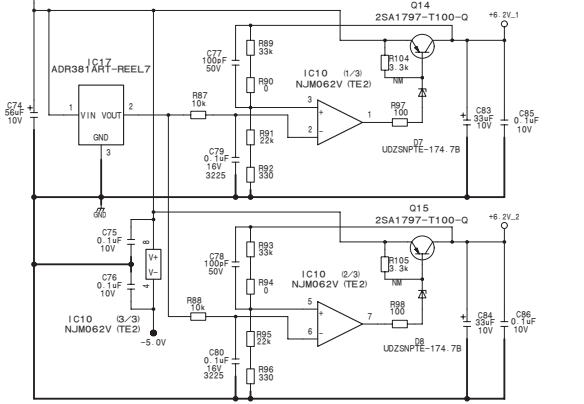
-7.0V->-3.5V



+5.0V->+3.3V



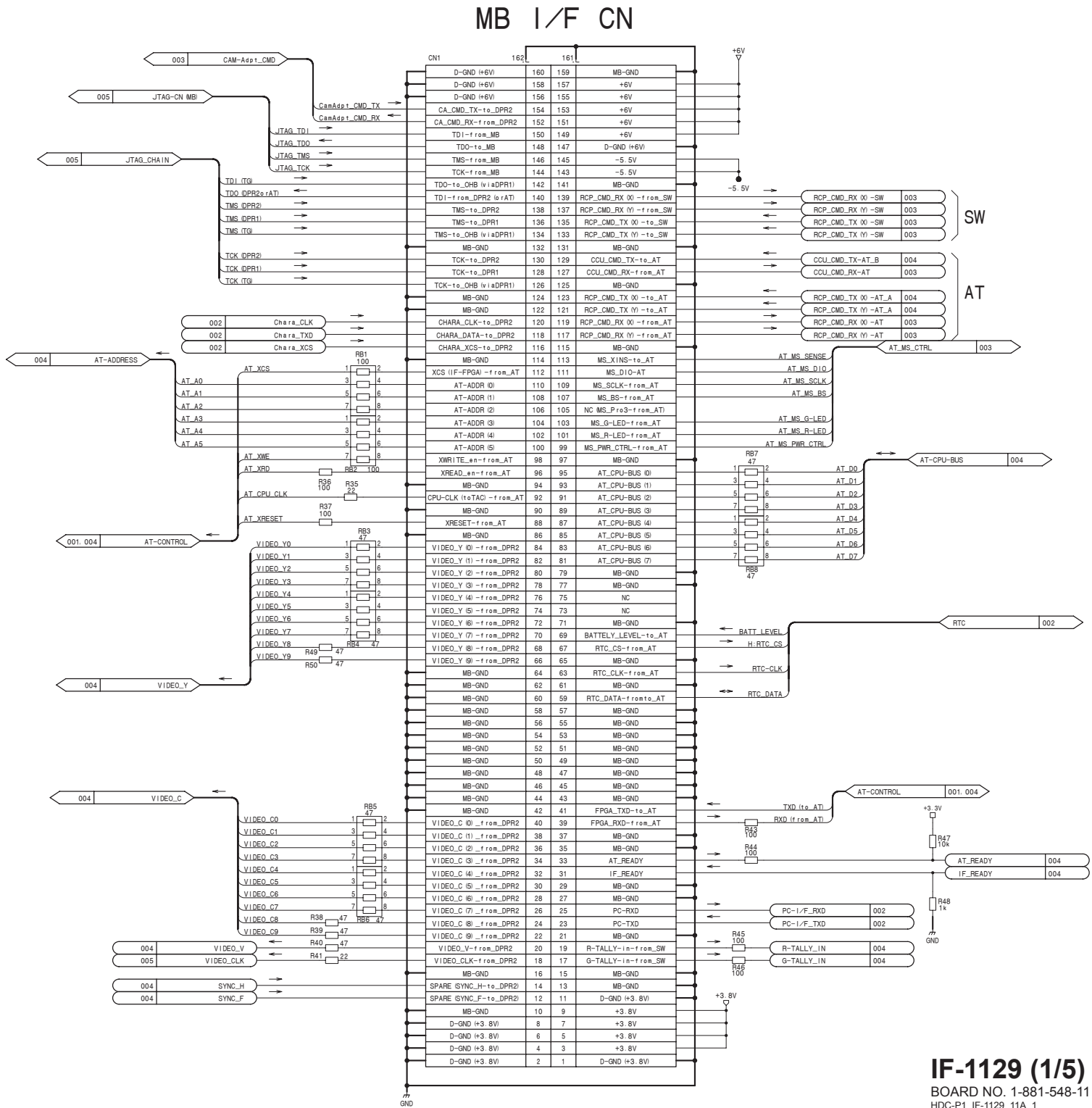
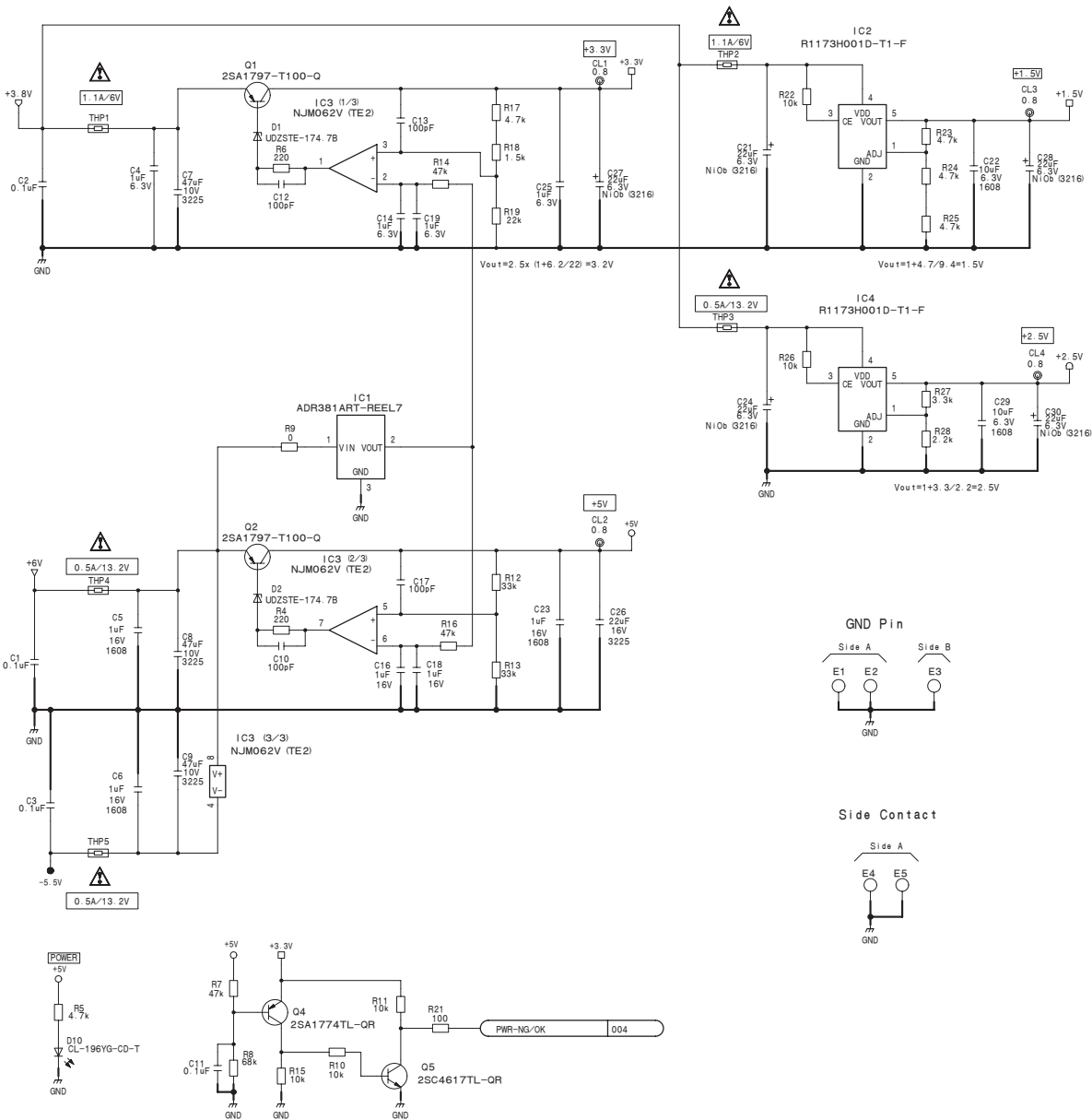
+6.5V->+6.2V_1 [H1/H2]



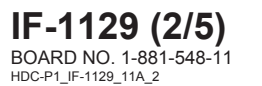
+6.5V->+6.2V_2 [LH/RG]

DR-632P

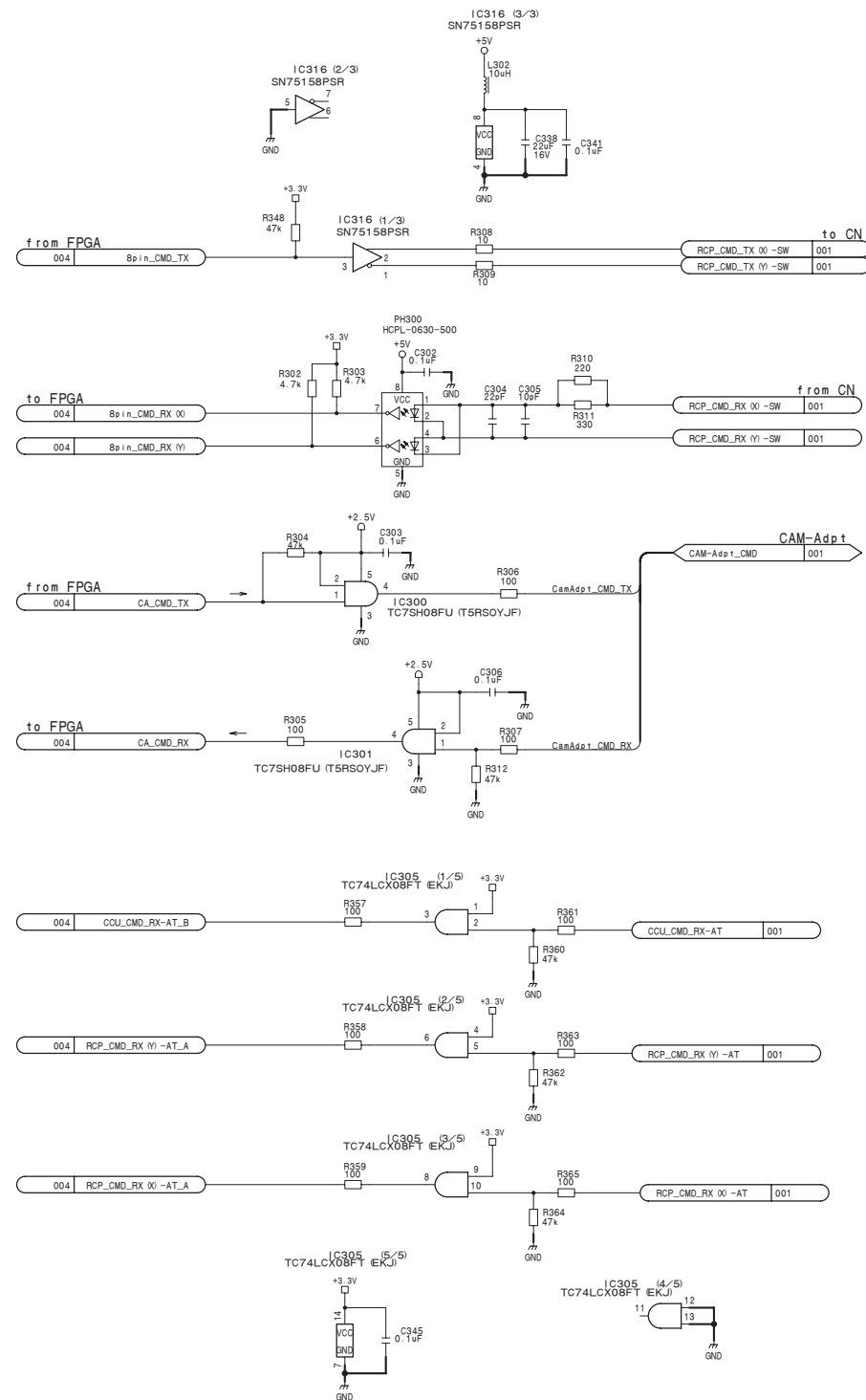
BOARD NO. 1-879-602-12
HSC-300_DR-632_011_1

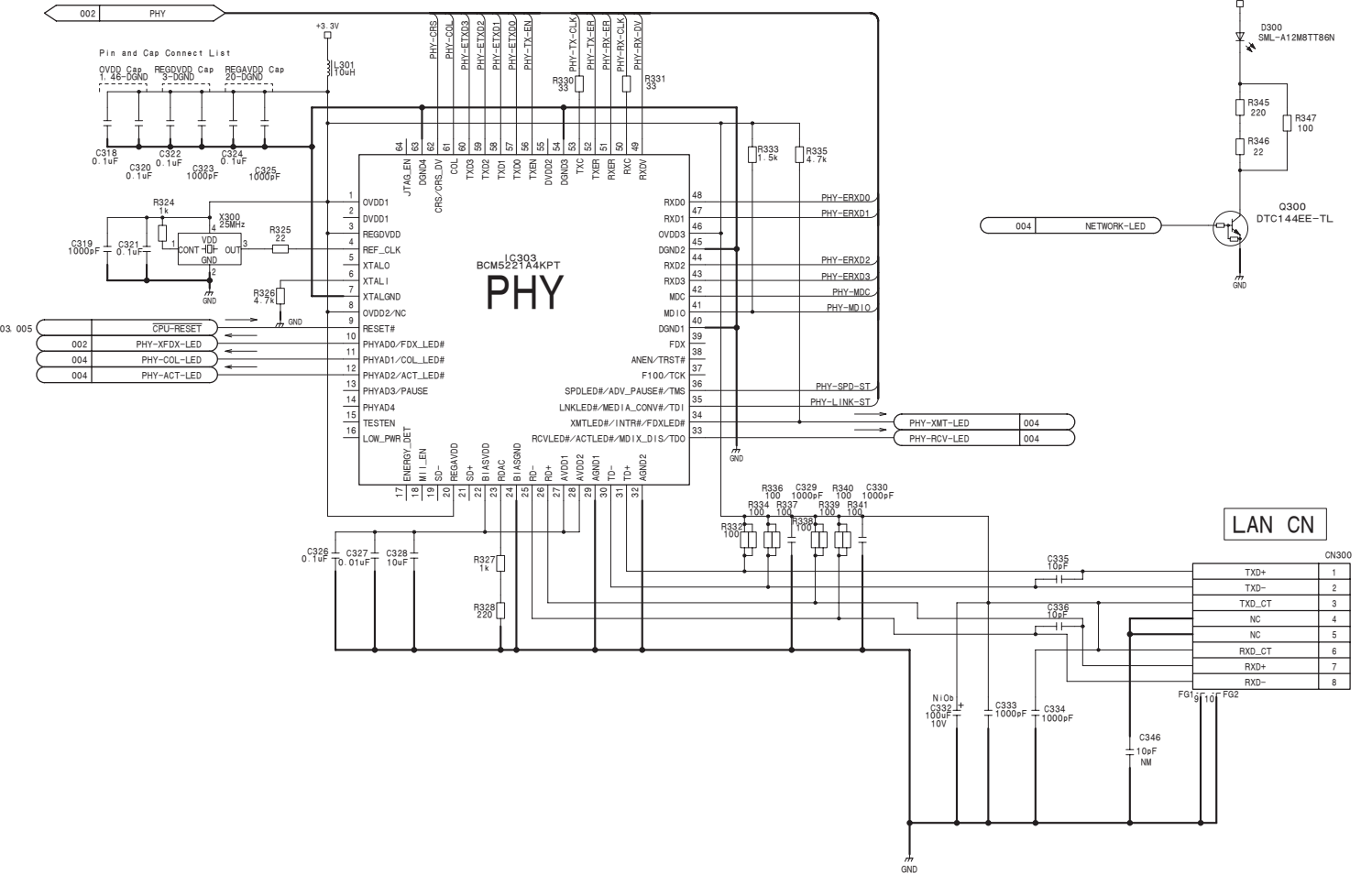


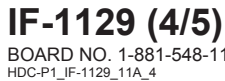


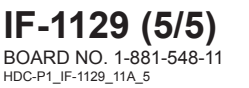


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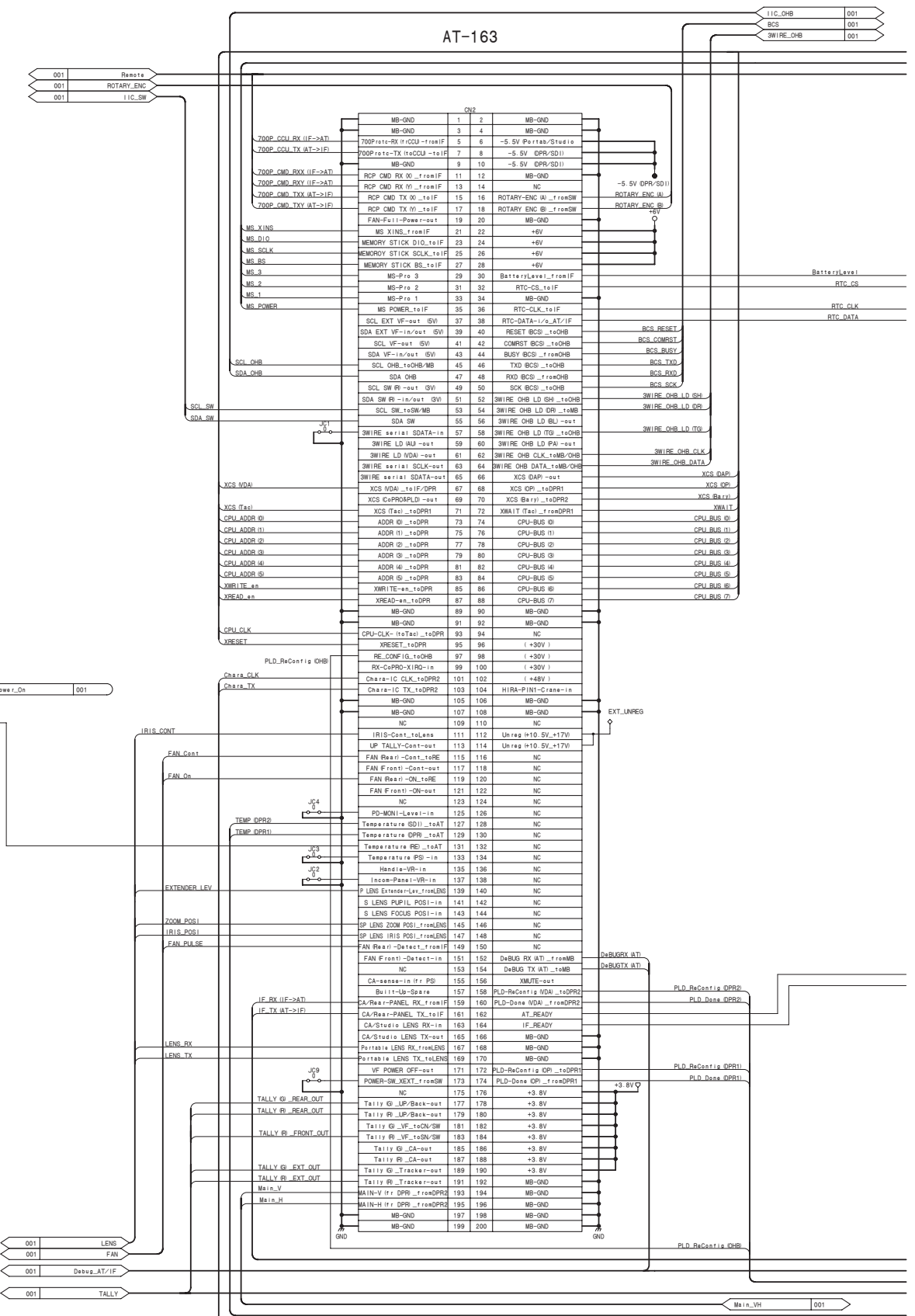
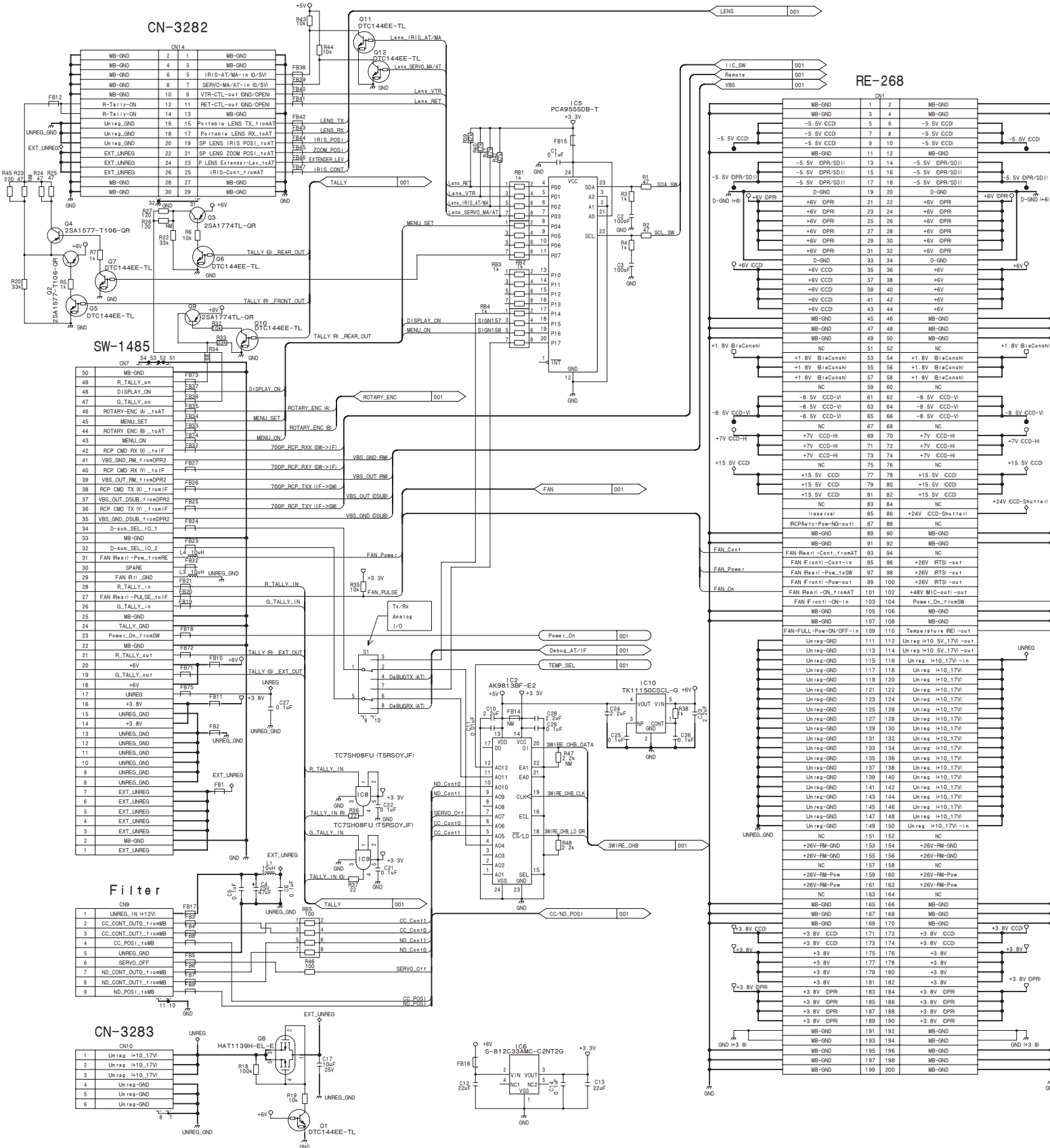
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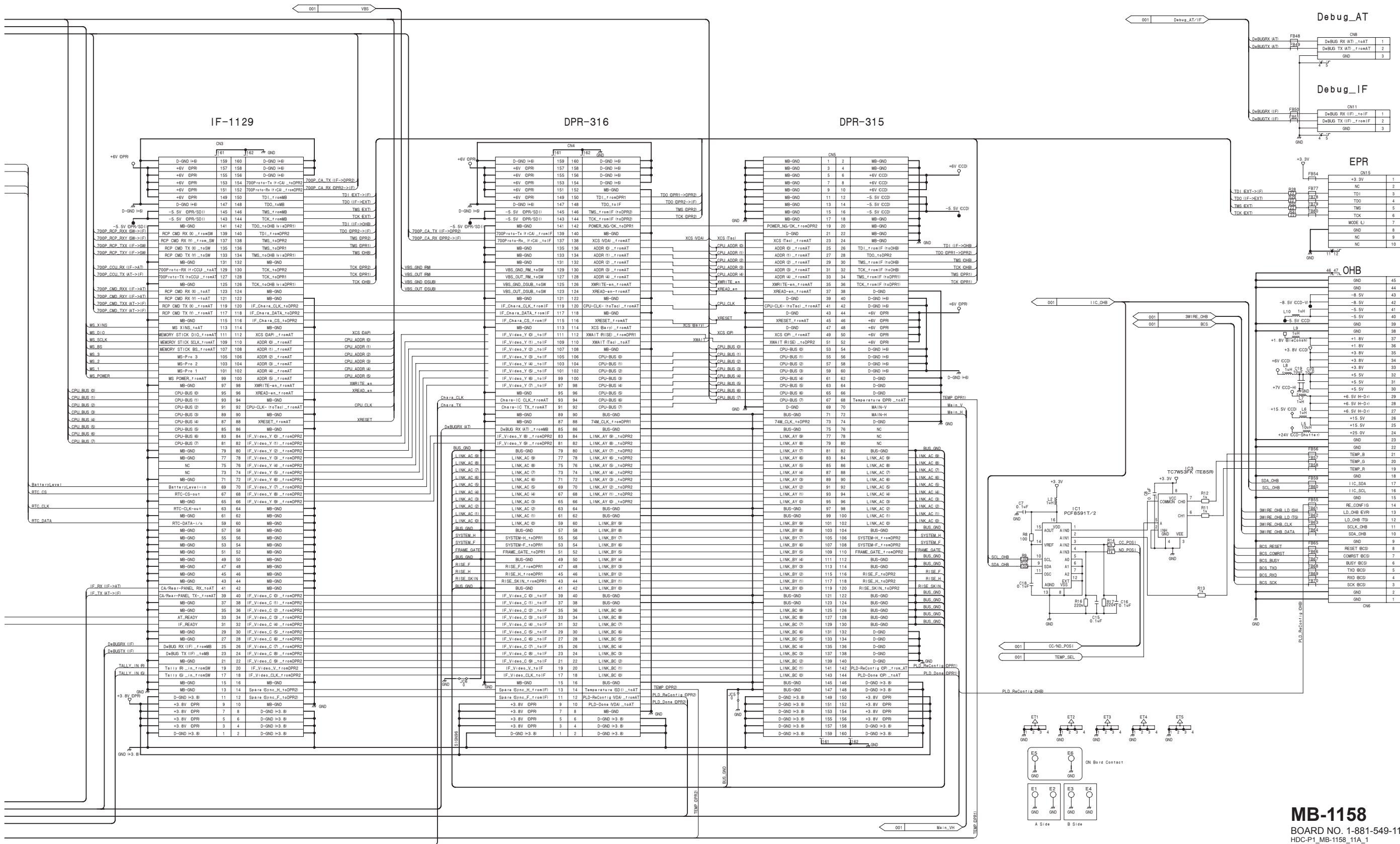
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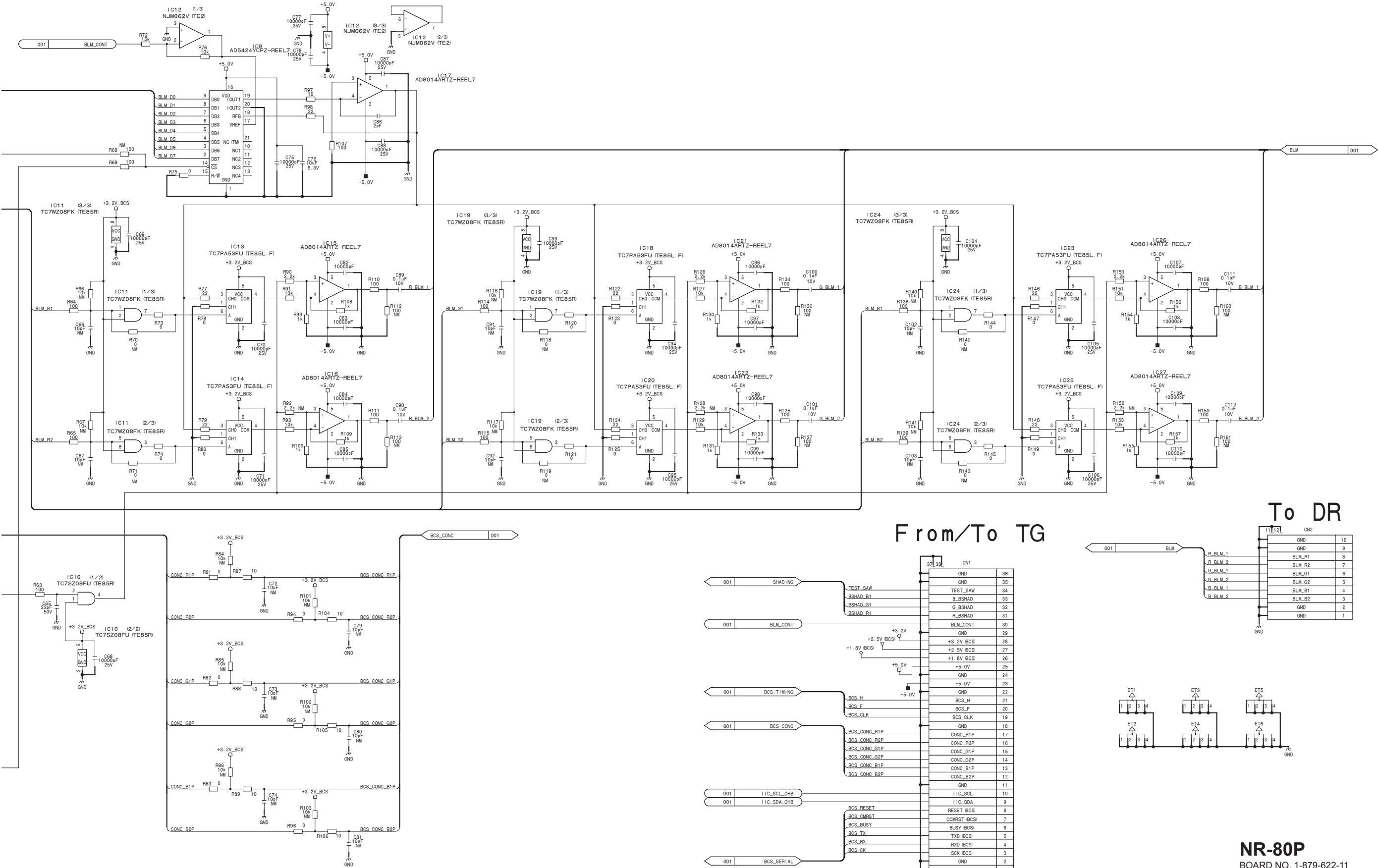
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5









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A

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C

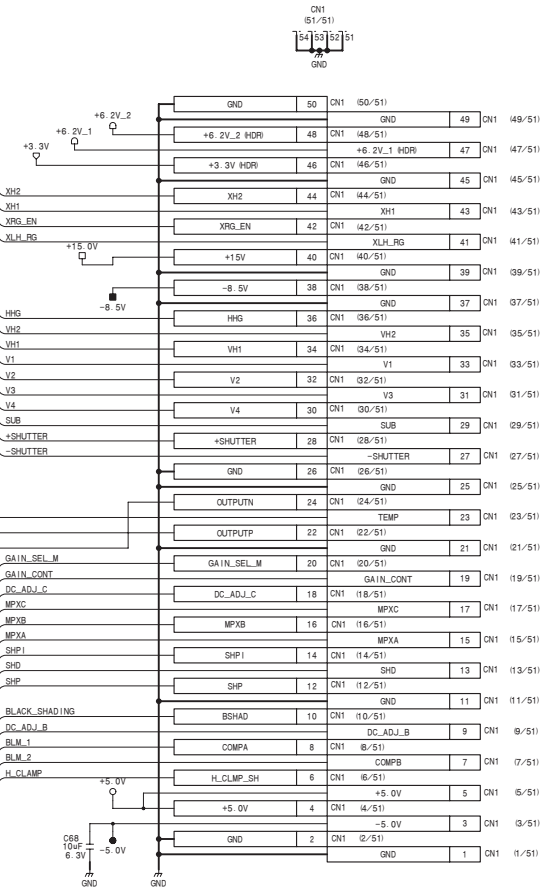
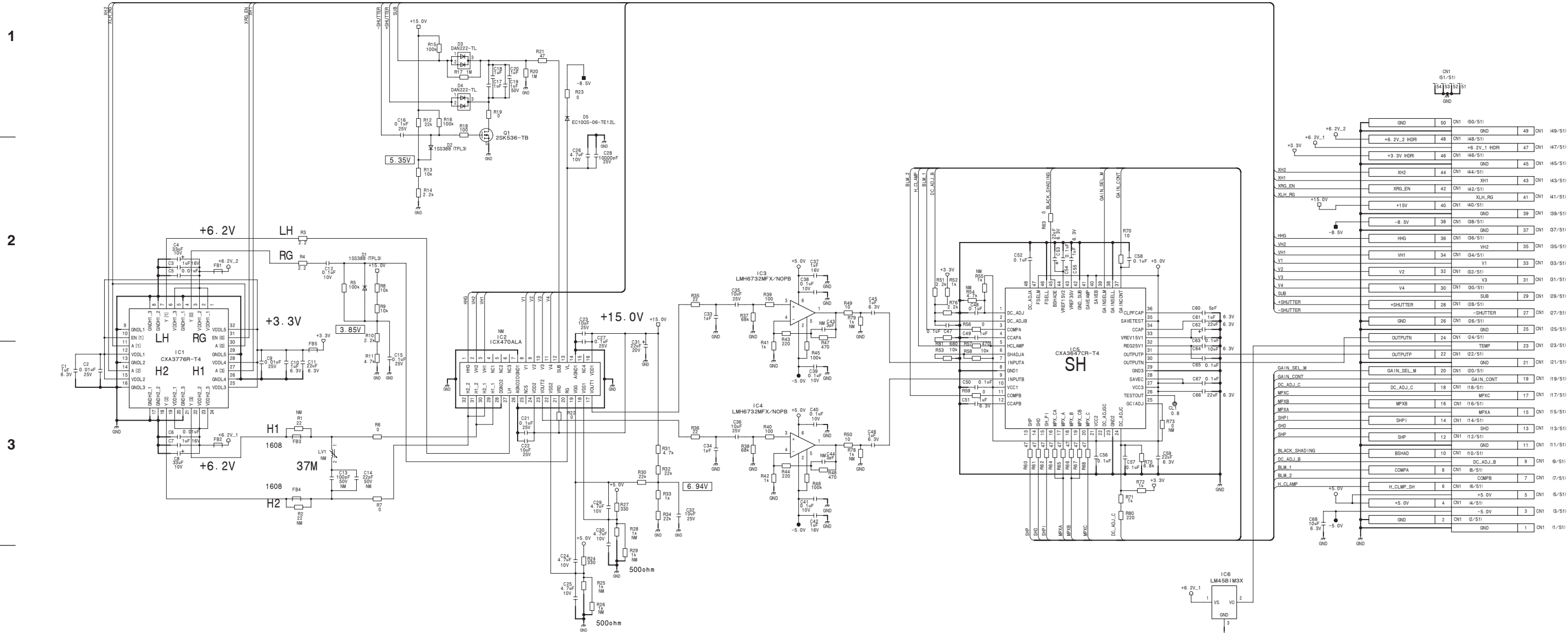
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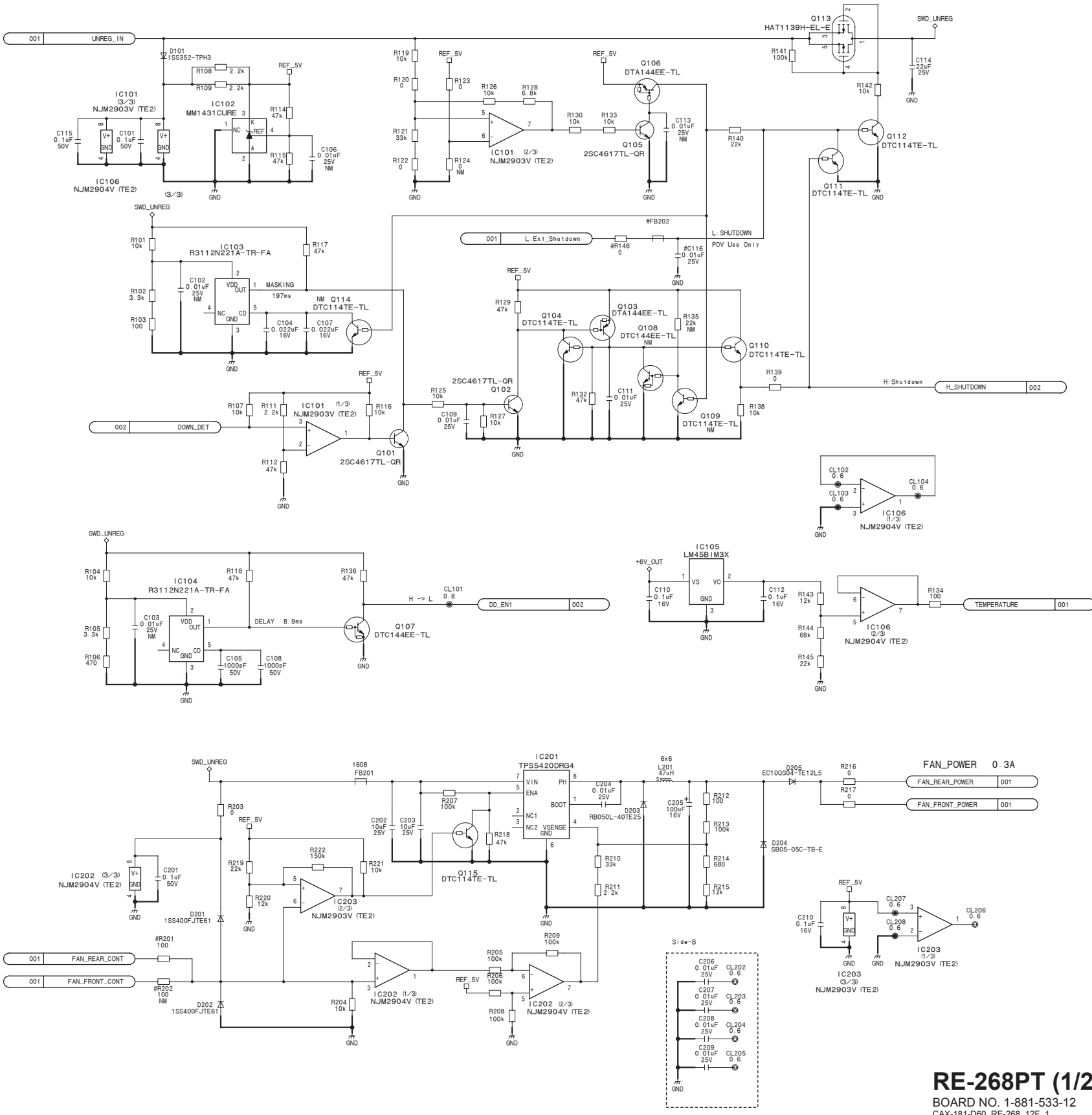
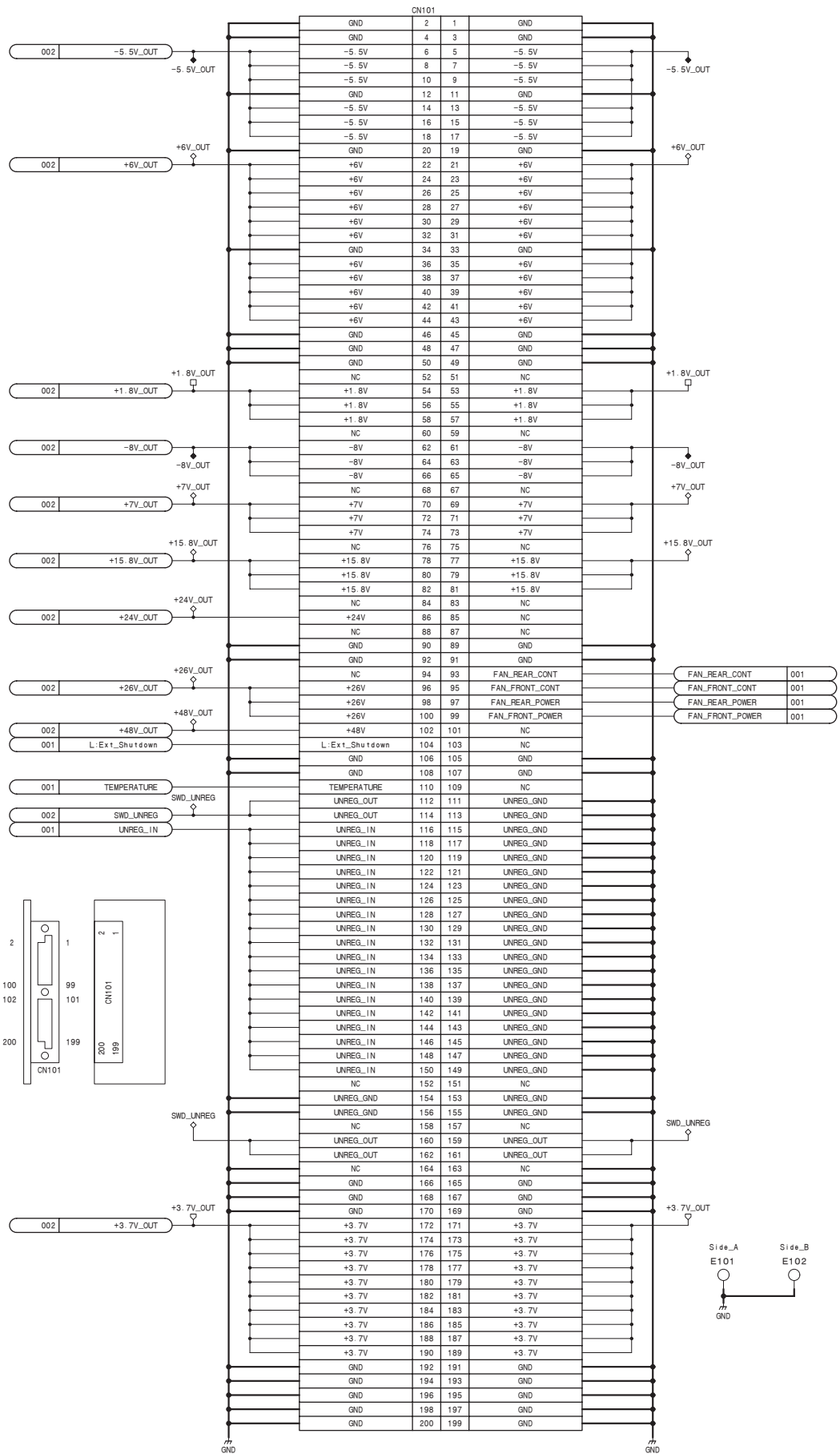
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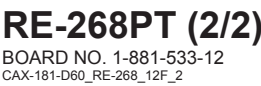
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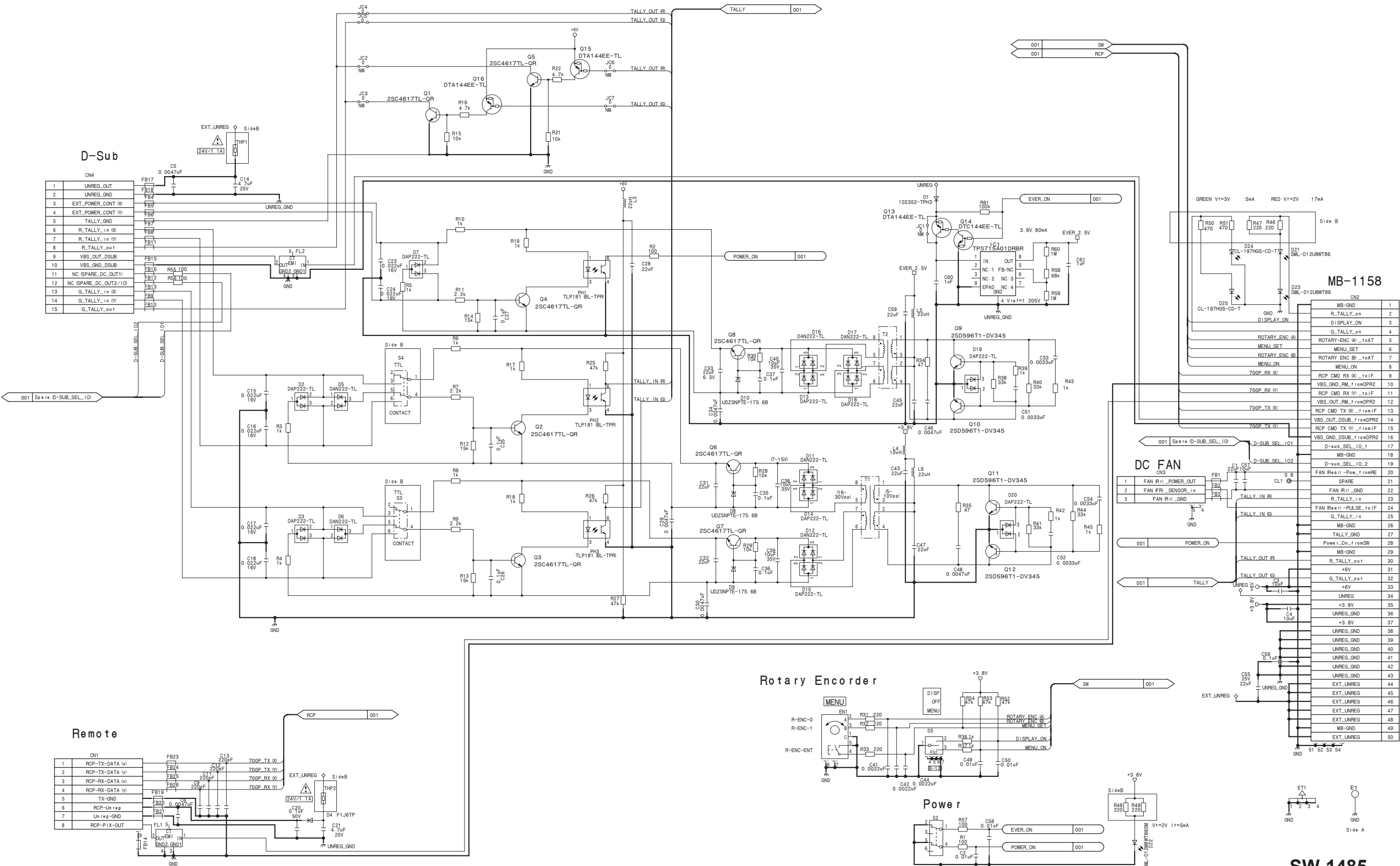
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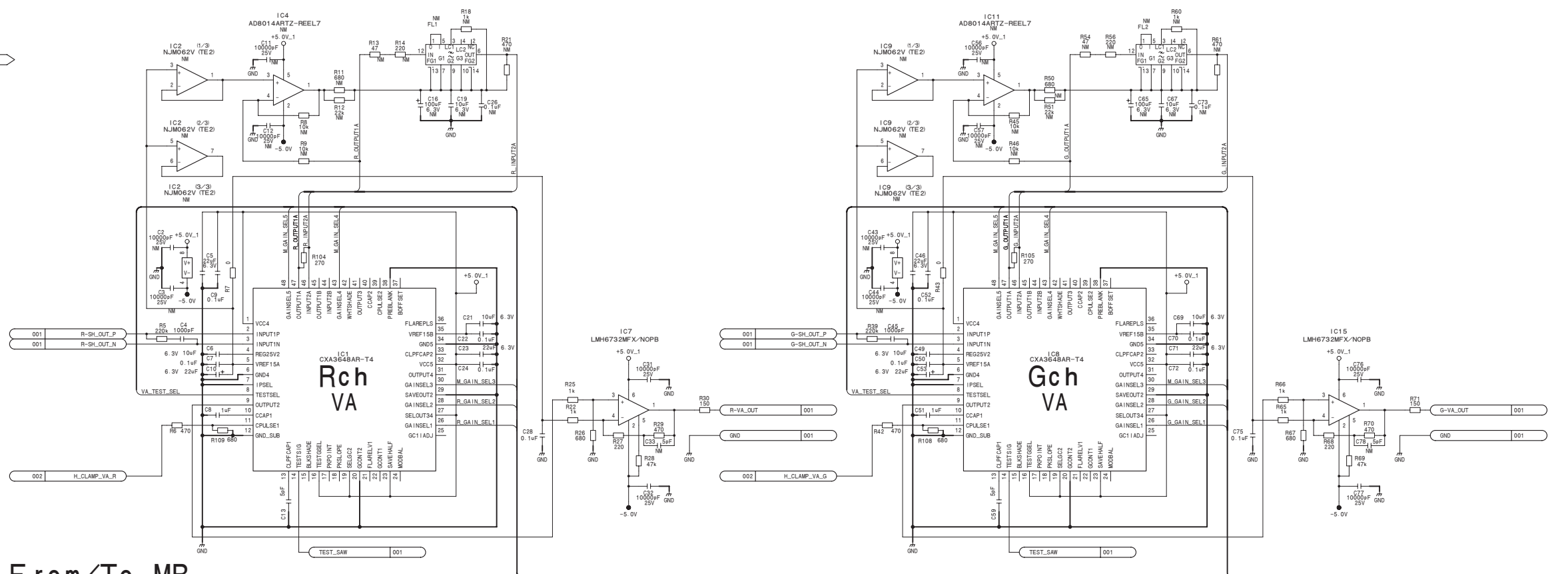
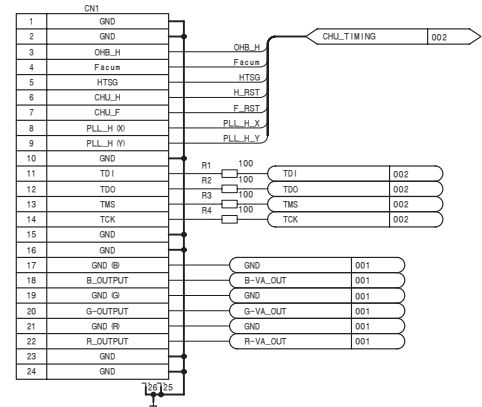
PA-353P
BOARD NO. 1-879-601-11
HSC-300_PA-353_011_1



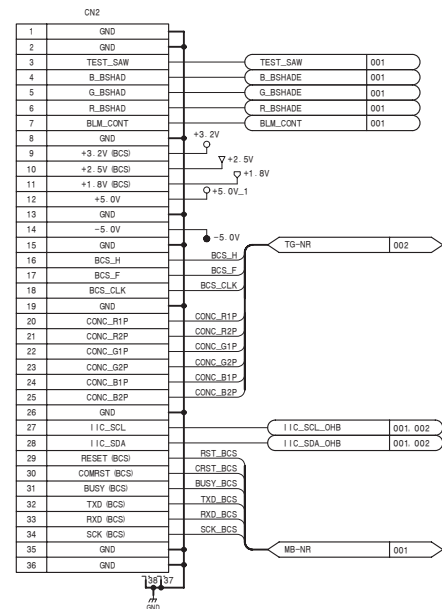




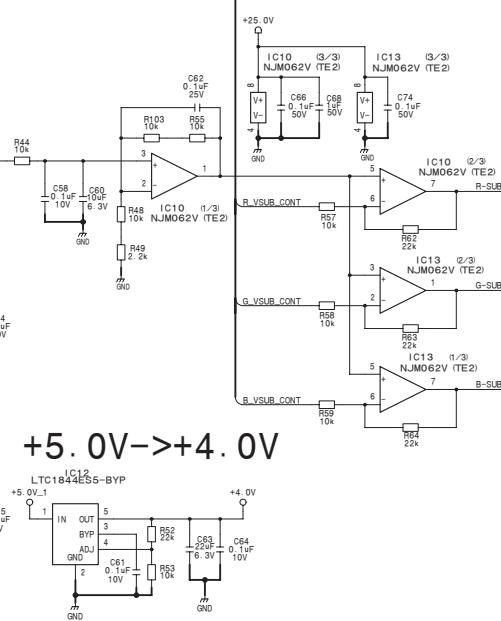
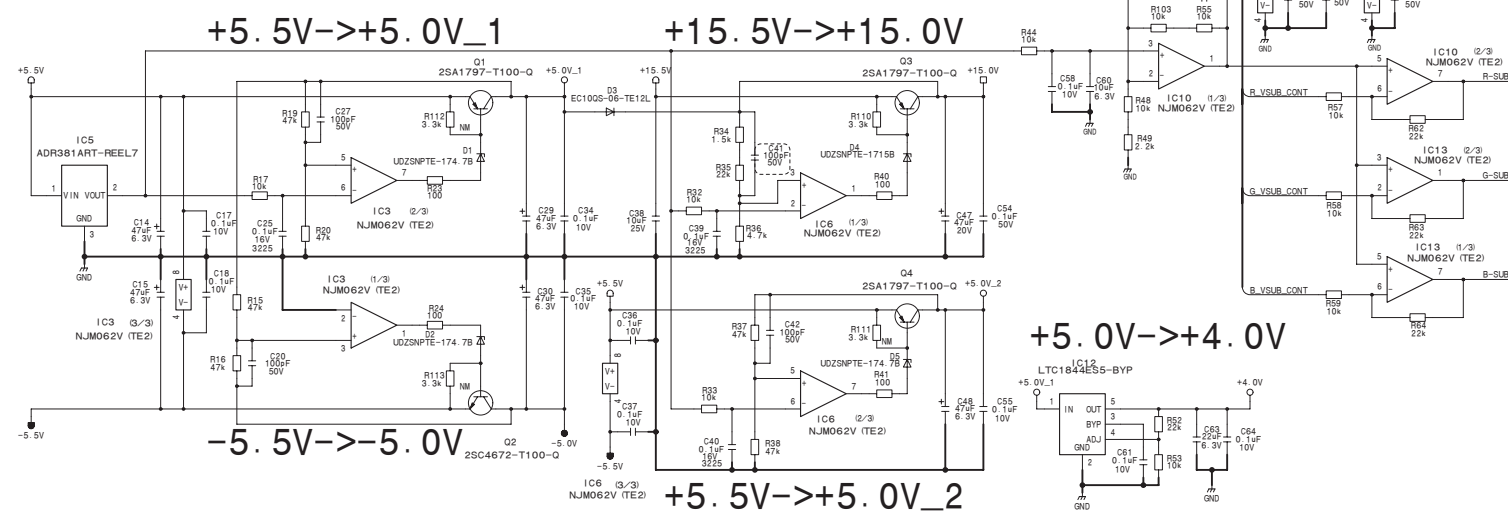
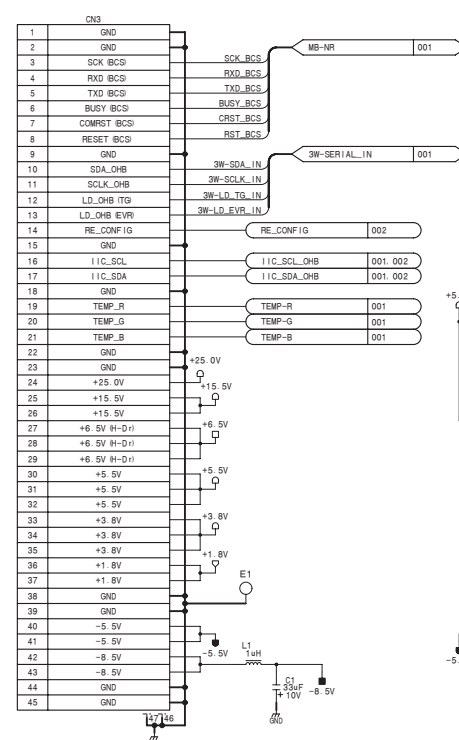
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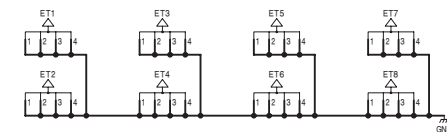
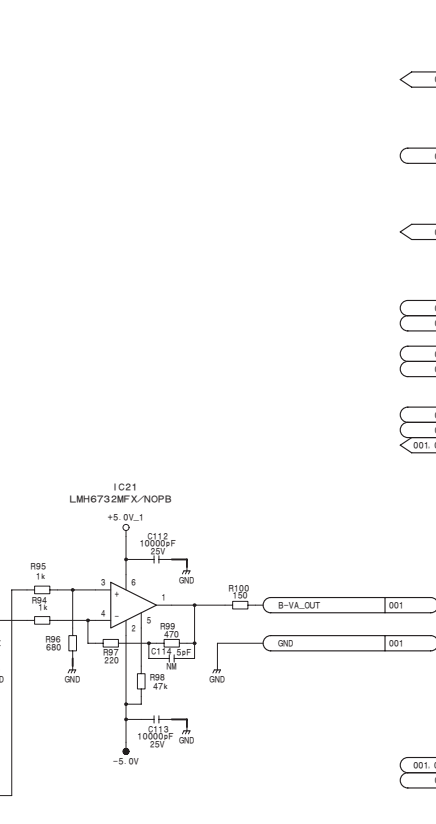


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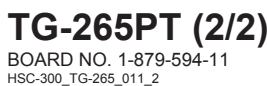
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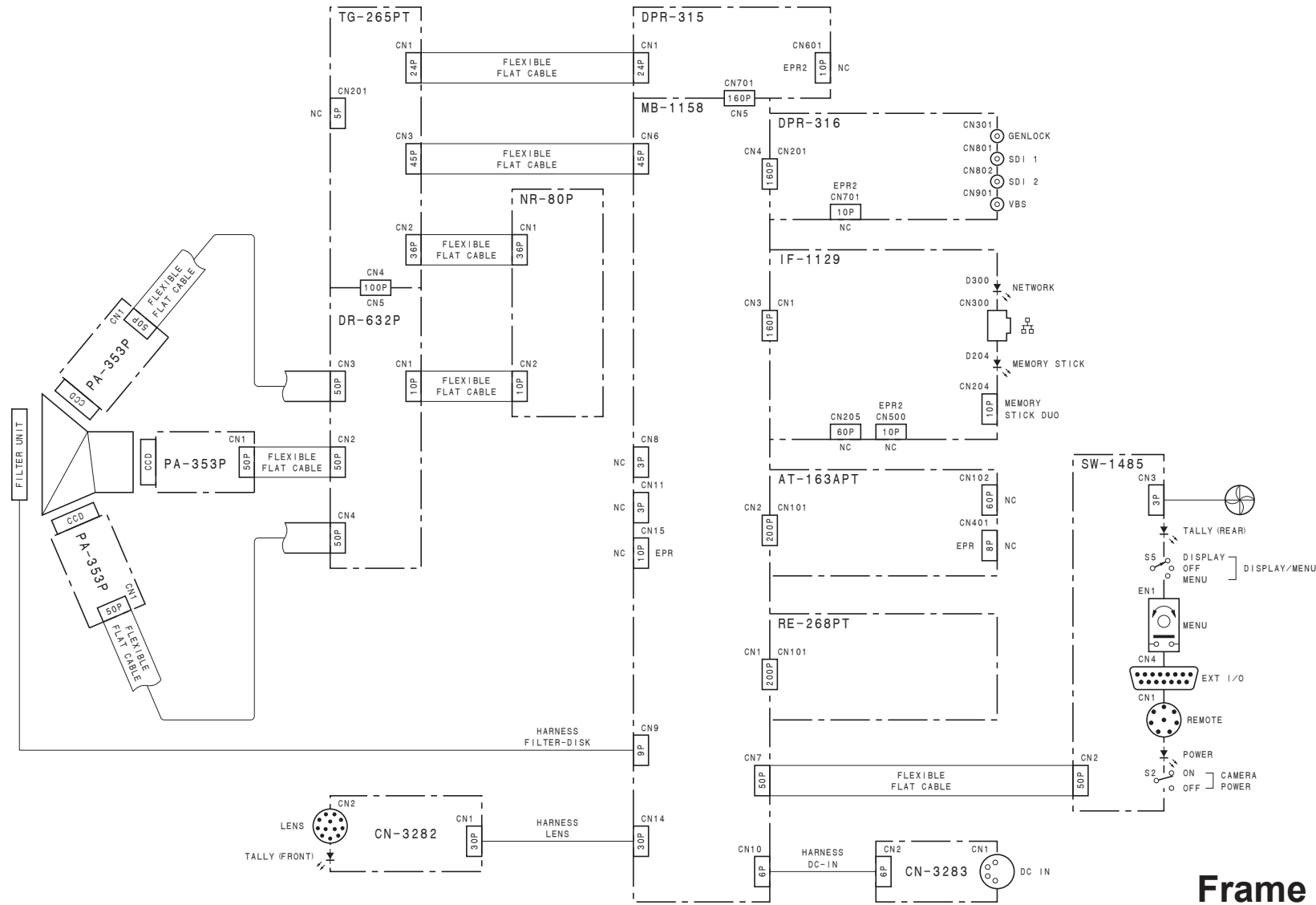
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Frame Wiring

Frame Wiring



Frame Wiring

Section 9
Board Layouts

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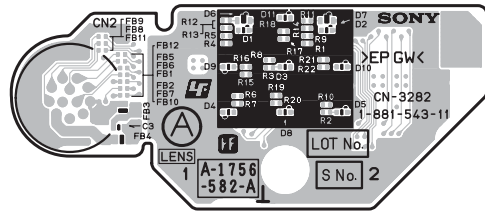
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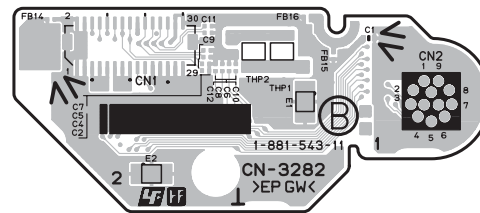
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C3	*C5	C180	*A2	C632	*B4	IC129	B2	R6	*C2	R165	*B4	R409	C1	R637	*B4
C4	*C5	C183	B4	C633	*B4	IC130	B4	R7	*C2	R167	C3	R410	A1	R638	B4
C6	*B5	C184	B4	C634	B4	IC131	*B3	R8	*C2	R168	C3	R411	*A1	R639	B4
C7	C5	C185	C3	C635	*B4	IC133	*A4	R9	*C4	R171	*B5	R412	A2	R640	*B4
C10	*C2	C186	B4	C636	C5	IC134	B2	R10	*C2	R174	*B2	R413	A2	R641	*B4
C11	*C5	C301	B3	C637	B5	IC135	*C3	R11	*C5	R175	*C4	R414	A1	R642	C5
C12	*C2	C302	*B2	C638	C4	IC136	C3	R14	*C5	R176	*C3	R415	*A1	R643	C5
C14	*C5	C303	B2	C639	C2	IC137	*A1	R17	*B5	R177	*C3	R416	C1	R644	C4
C18	*B5	C304	B3	C640	C2	IC143	*B3	R18	*B5	R178	*B4	R417	A2	R645	C4
C19	*B5	C305	B2	C641	B4	IC144	*B4	R19	*C5	R179	*B4	R418	A1	R646	*B4
C20	*C5	C306	B3	C642	B5	IC146	B2	R20	*C5	R180	*B4	R419	*A1	R647	C5
C21	*C5	C307	B3	C643	*B5	IC147	*C2	R23	*C5	R181	B4	R420	C1	R648	*B4
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C55	*C1	C321	*C3	CN401	A2	IC401	*A2	R60	*C1	R196	*A3	R435	B1	R662	*B1
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C58	B1	C404	*A2	D3	*C5	IC404	A1	R102	*C2	R200	*A2	R439	C3	R665	*B4
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C113	*B4	C416	*B2	D602	B4	IC605	*C5	R113	*C4	R221	*B3	R479	B1	RB105	*C3
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C127	*A3	C427	B1	FB101	C2	L3	*C2	R123	*C2	R238	*C4	R532	C1	RB115	*B4
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C131	B4	C431	*A1	FB105	C2	L104	C4	R127	*C4	R242	*C4	R536	C1	RB119	*B2
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C133	*B4	C433	*A1	FB301	C4	L106	C3	R129	*C2	R244	*C4	R601	*B4	RB121	*A4
C134	B4	C434	*A1	FB302	C4	L301	C4	R130	*C2	R245	C3	R602	C2	RB122	*A4
C135	*B4	C435	B1	FB401	*C3	L401	B2	R131	C2	R254	C3	R603	C3	RB123	*A4
C136	A4	C436	*C1	FB402	*C3	L402	*B1	R132	C2	R255	*C2	R604	C3	RB124	*A4
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C138	B4	C601	*B1	FB404	*C3	L601	B3	R134	C3	R301	B3	R606	C2	RB401	B2
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C146	B3	C606	C2	IC2	*B5	Q2	C5	R139	*C4	R306	B3	R611	C3	RB406	C3
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C150	*A1	C609	*C2	IC101	*C2	Q104	B2	R142	*C4	R309	*C2	R614	*B4	RB409	C2
C151	*B2	C610	*C2	IC103	*C2	Q105	C4	R143	*C4	R310	*C2	R615	*B4	RB410	*B2
C152	*A2	C611	*C2	IC104	*C2	Q106	B4	R144	*C4	R311	*C4	R616	B4	RB411	*A1
C153	*A2	C612	*C2	IC105	*C1	Q401	C1	R145	*C4	R312	*C2	R617	*B4	RB412	*B1
C154	*B2	C613	*B4	IC106	*B3	Q402	*C1	R146	*B3	R313	B3	R618	B4	RB413	*A1
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C156	*A5	C615	*C2	IC108	*B2	Q404	C1	R148	B3	R315	B3	R620	*B4	RB415	*B1
C159	*A4	C616	*B5	IC109	A4	Q405	B1	R149	*C4	R316	B4	R621	*B4	RB416	*B1
C165	*A3	C617	*C4	IC110	*B2	Q406	*C1	R150	*C4	R317	B4	R622	*B4	RB417	*A1
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C168	*B4	C620	*B4	IC115	*B3	Q409	B1	R153	*C4	R320	*C4	R625	B4	RB603	C2
C169	B3	C621	*B4	IC116	*A3	Q410	B1	R154	*C4	R321	*C3	R626	*B4	RB604	*B1
C170	*B3	C622	*B4	IC117	*B4	Q411	B1	R155	A3	R322	C4	R627	B4	S1	B2
C171	B2	C623	B4	IC118	A3	Q414	*C1	R156	*B4	R323	C4	R628	*B4	THP1	*B5
C172	A5	C624	*B4	IC120	C3	Q415	C1	R157	A3	R401	A2	R629	B4	THP2	*C1
C173	B5	C625	B4	IC121	*B4	Q416	C1	R158	*B2	R402	*B1	R630	*B4	THP3	*C5
C174	C3	C626	B4	IC122	A3	Q417	B2	R159	*B2	R403	*B1	R631	*B4	THP101	C4
C175	*B3	C627	*B4	IC123	C3	R1	*C4	R160	*B4	R404	*A2	R632	*B4	TP1	B4
C176	*B2	C628	B4	IC125	*B2	R2	*C4	R161	*B4	R405	*B1	R633	*B4	X101	B4
C177	*C2	C629	*B4	IC126	B3	R3	*C4	R162	*B4	R406	A2	R634	*B4	X301	*B3

CN-3282, CN-3283

CN-3282, CN-3283



CN-3282 -A SIDE-SUFFIX: -11

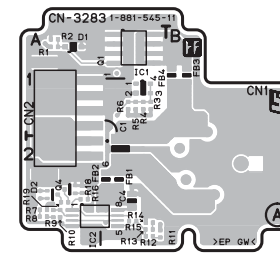


CN-3282 -B SIDE-
SUFFIX: -11

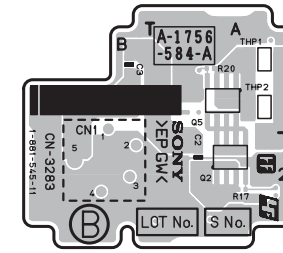
CN-3282 (1-881-543-11)

*:B SIDE

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C2	*A2	FB4	A1	R18	A2
C3	A1	FB5	A1	R19	A2
C4	*A2	FB6	A1	R20	A2
C5	*A2	FB7	A1	R21	A2
C6	*A2	FB8	A1	R22	A2
C7	*A2	FB9	A1	THP1	*A1
C8	*A2	FB10	A1	THP2	*A1
C9	*A2	FB11	A1		
C10	*A2	FB12	A1		
C11	*A2	FB14	*A2		
C12	*A2	FB15	*A1		
CN1	*A2	FB16	*A1		
CN2	A1	R1	A2		
D1	A1	R2	A2		
D2	A2	R3	A2		
D3	A2	R4	A1		
D4	A1	R5	A1		
D5	A2	R6	A1		
D6	A1	R7	A1		
D7	A2	R8	A2		
D8	A2	R9	A2		
D9	A1	R10	A2		
D10	A2	R11	A2		
D11	A2	R12	A1		
E1	*A1	R13	A1		
E2	*A2	R14	A2		
FB1	A1	R15	A1		
FB2	A1	R16	A1		



CN-3283 -A SIDE-SUFFIX: -11

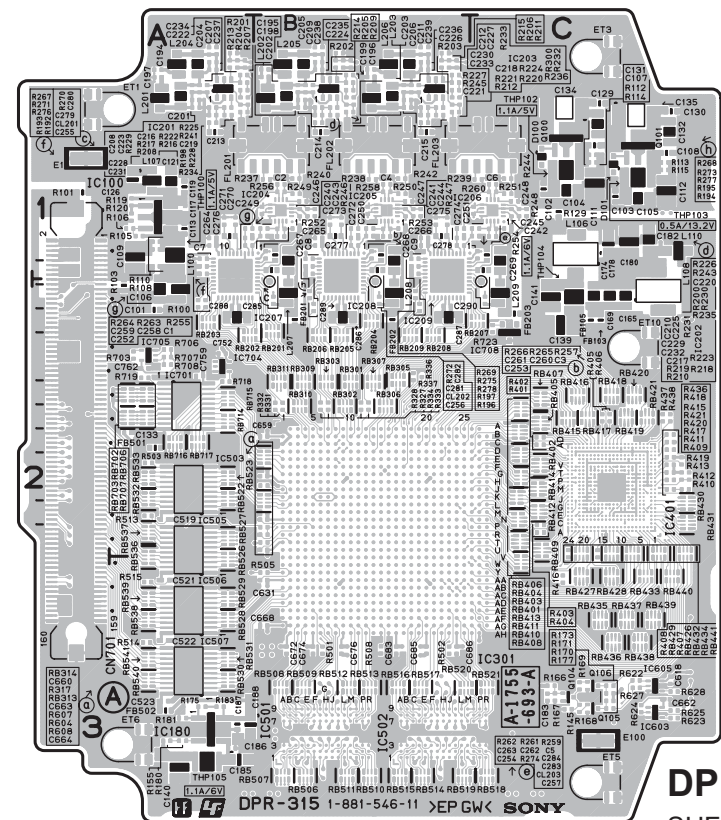


CN-3283 -B SIDE-
SUFFIX: -11

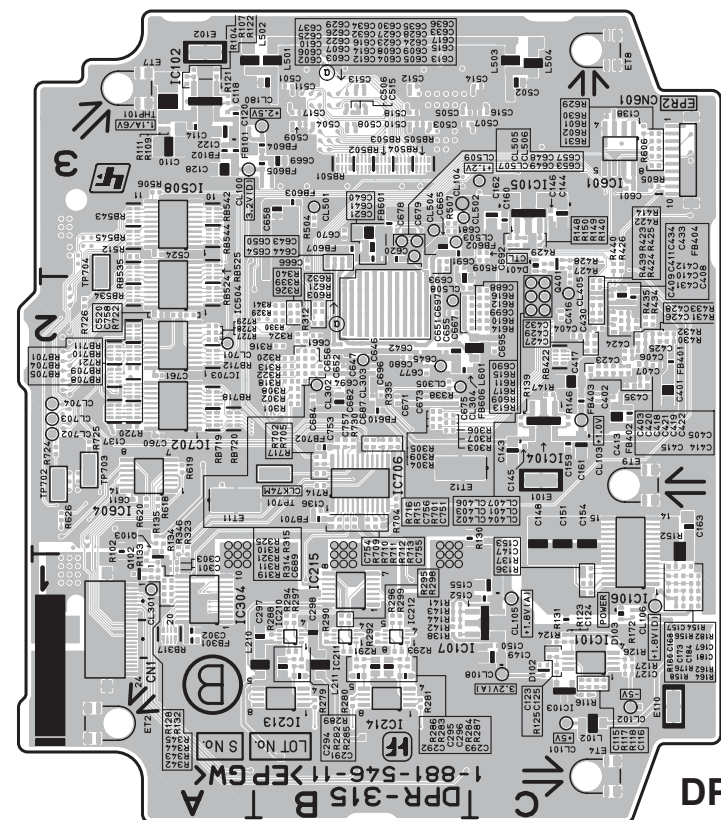
CN-3283 (1-881-545-11)

*:B SIDE

C1	A2	R12	A2
C2	* A2	R13	A2
C3	* B1	R14	A2
C4	A2	R15	A2
CN1	B1	R16	A2
CN2	A1	R17	* A2
D1	A1	R18	A2
D2	A2	R19	A2
FB1	A2	R20	* A1
FB2	A2	THP1	* A1
FB3	B1	THP2	* A1
FB4	B1		
IC1	A1		
IC2	A2		
Q1	A1		
Q2	* A2		
Q4	A2		
Q5	* A1		
R1	A1		
R2	A1		
R3	A1		
R4	A1		
R5	A1		
R6	A1		
R7	A2		
R8	A2		
R9	A2		
R10	A2		
R11	A2		



DPR-315 -A SIDE-
SUFFIX: -11

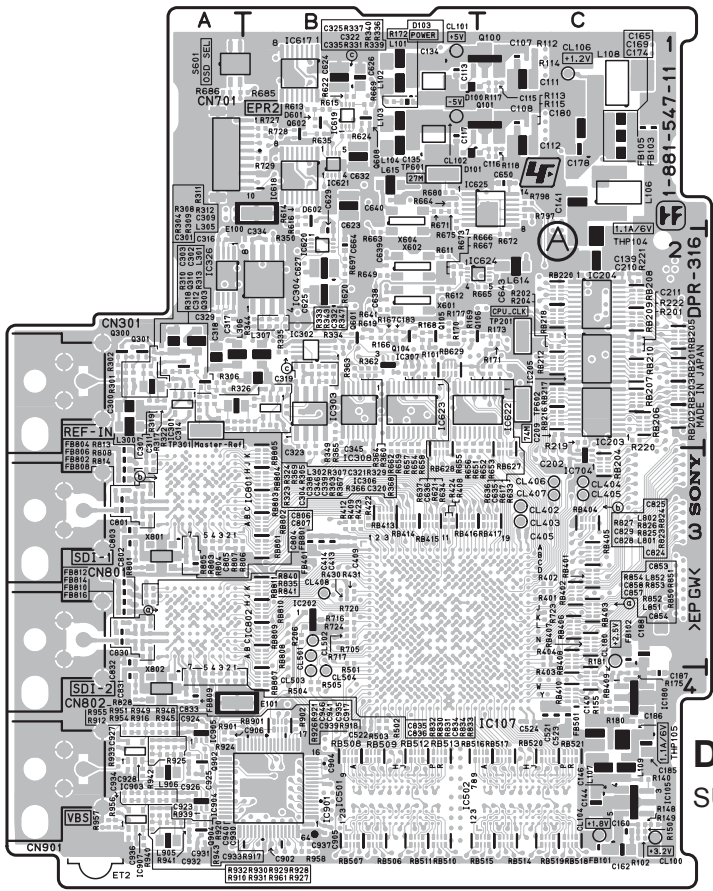


DPR-315 -B SIDE-
SUFFIX: -11

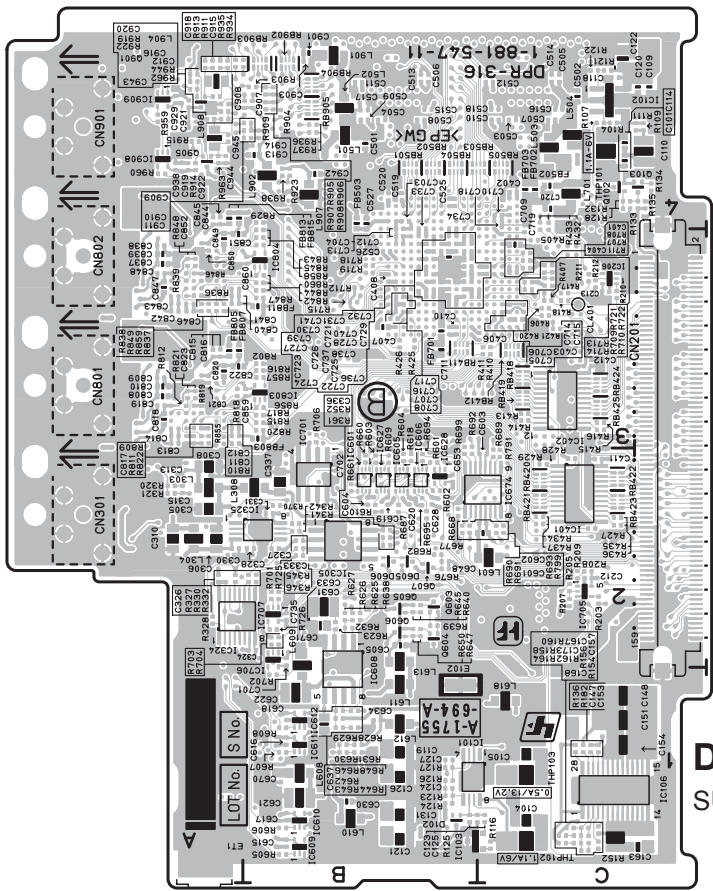
DPR-315 (1-881-546-11)

*:B SIDE

C1	B1	C201	A1	C292	*B1	C624	*B2	CL106	*C1	IC180	A3	R123	*C1	R233	B1	R324	*B2	R616	*C2	RB427	C3
C2	B1	C202	B1	C293	*B1	C625	*B2	CL108	*C1	IC201	A1	R124	*C1	R234	A1	R325	*B2	R617	*B2	RB428	C3
C3	B1	C203	B1	C294	*B1	C626	*B2	CL180	*B3	IC202	B1	R125	*C1	R235	B1	R326	*B2	R618	*A2	RB429	C2
C4	B1	C204	A1	C295	*B1	C627	*B2	CL201	B2	IC203	B1	R126	*C1	R236	B1	R327	B2	R619	*A2	RB430	C2
C5	C1	C205	B1	C296	*B1	C628	*B2	CL202	B2	IC204	B1	R127	*C1	R237	B1	R328	B2	R620	*A2	RB431	C2
C6	C1	C206	B1	C297	*B1	C629	*B3	CL203	C2	IC205	B1	R128	*A1	R238	B1	R329	*B2	R621	*B2	RB432	C2
C7	A1	C207	A1	C298	*B1	C630	*B3	CL301	*A1	IC206	C1	R129	C1	R239	C1	R330	*B2	R622	C3	RB433	C3
C8	B1	C208	A1	C301	*A1	C631	B3	CL302	*B2	IC207	A1	R130	*B2	R240	B1	R331	B2	R623	C3	RB434	C2
C9	B1	C209	B1	C302	*A1	C632	*B2	CL303	*B2	IC208	B1	R131	*C1	R241	A1	R332	B2	R624	C3	RB435	C3
C101	A2	C210	B1	C303	*A1	C633	*B2	CL304	*B2	IC209	B1	R132	*A1	R242	B1	R333	B2	R625	C3	RB436	C3
C102	C1	C211	B1	C401	*C2	C634	*B3	CL305	*B2	IC210	*B1	R133	*A1	R243	B1	R334	B2	R626	*A2	RB437	C3
C103	C1	C212	B1	C402	*C2	C635	*B3	CL401	*C2	IC211	*B1	R134	*A2	R244	C1	R335	*B2	R627	C3	RB438	C3
C104	C1	C213	A1	C403	*C2	C636	*B3	CL402	*C2	IC212	*B1	R135	*A2	R245	B1	R336	B2	R628	C3	RB439	C3
C105	C1	C214	B1	C404	*C2	C637	*B2	CL403	*C2	IC213	*B1	R136	*C1	R246	B1	R337	B2	R629	*C3	RB440	C3
C106	A1	C215	B1	C405	*C2	C640	*B3	CL404	*C2	IC214	*B1	R137	*C1	R247	B1	R338	*B2	R630	*C3	RB441	C2
C107	C1	C216	A1	C406	*C2	C641	*B3	CL405	*C2	IC215	*B1	R138	*B1	R248	C1	R339	*B2	R631	*C3	RB501	*B3
C108	C1	C217	B1	C407	*C2	C642	*B2	CL406	*C2	IC301	B2	R139	*C2	R249	B1	R340	*B2	R632	*B2	RB502	*B3
C109	A1	C218	B1	C408	*C2	C643	*B3	CL407	*C2	IC304	*A1	R140	*C3	R250	B1	R341	*B2	R701	*B2	RB503	*B3
C110	*A3	C219	A1	C409	*C2	C644	*B3	CL501	*B3	IC401	C2	R141	*B1	R251	C1	R342	*A1	R702	*B2	RB504	*B3
C111	C1	C220	B1	C410	*C2	C645	*B2	CL502	*B3	IC501	B3	R142	*B1	R252	B1	R343	*A1	R703	A2	RB505	*B3
C112	C1	C221	B1	C411	*C2	C646	*B2	CL503	*B3	IC502	B3	R143	*B1	R253	B1	R344	*A1	R704	*B2	RB506	B3
C113	A1	C222	A1	C412	*C2	C647	*B2	CL504	*B3	IC503	A2	R144	*B1	R254	C1	R345	*A1	R705	*B2	RB507	B3
C114	*A3	C223	A1	C413	*C2	C648	*B3	CL505	*B3	IC504	*A2	R145	C3	R255	B1	R346	*A2	R706	A2	RB508	B3
C115	*C1	C224	B1	C414	*C2	C649	*B3	CL506	*B3	IC505	A2	R146	*C2	R256	B1	R401	C2	R707	A2	RB509	B3
C116	*C1	C225	B1	C415	*C2	C650	*B3	CL507	*B3	IC506	A3	R147	*C2	R257	B1	R402	C2	R708	A2	RB510	B3
C117	A1	C226	B1	C416	*C2	C651	*B2	CL508	*B2	IC507	A3	R148	*C3	R258	B1	R403	C2	R709	*B2	RB511	B3
C118	*A3	C227	B1	C417	*C2	C652	*B2	CL509	*C3	IC508	*A3	R149	*C3	R259	C1	R404	C2	R710	*B2	RB512	B3
C119	A1	C228	A1	C418	*C2	C653	*B3	CL701	*A2	IC601	*C3	R150	*C3	R260	C1	R405	C2	R711	*B2	RB513	B3
C120	*A3	C229	B1	C419	*C2	C654	*B3	CL702	*A2	IC603	C3	R152	*C2	R261	C1	R406	C2	R712	*B2	RB514	B3
C121	A1	C230	B1	C420	*C2	C655	*B2	CL703	*A2	IC604	*A2	R154	*C1	R262	B1	R407	C2	R713	*B2	RB515	B3
C122	*A3	C231	A1	C421	*C2	C656	*B2	CL704	*A2	IC605	C3	R155	A3	R263	B1	R408	C2	R714	*B2	RB516	B3
C123	*C1	C232	B1	C422	*C2	C657	*B3	CN1	*A1	IC701	A2	R156	*C1	R264	A1	R409	C2	R715	*B2	RB517	B3
C124	*C1	C233	B1	C423	*C2	C658	*B3	CN601	*C3	IC702	A2	R158	*C1	R265	B1	R410	C2	R716	*B2	RB518	C3
C125	*C1	C234	A1	C424	*C2	C659	B2	CN701	A2	IC703	*A2	R160	*C1	R266	B1	R411	C2	R717	*B2	RB519	B3
C126	A1	C235	B1	C425	*C2	C660	B2	D100	C1	IC704	A2	R162	*C1	R267	A1	R412	C2	R718	A2	RB520	B3
C127	*C1	C236	B1	C426	*C2	C661	*B2	D101	C1	IC705	A2	R164	*C1	R268	B1	R413	C2	R719	A2	RB521	C3
C128	*A3	C237	A1	C427	*C2	C662	C3	D102	*C1	IC706	*B2	R166	C3	R269	B1	R414	*C2	R720	*A2	RB522	A2
C129	C1	C238	B1	C428	*C2	C663	B2	D103	*C1	IC708	C2	R167	C3	R270	B1	R415	C2	R721	*A2	RB523	A2
C130	C1	C239	B1	C429	*C2	C664	B2	D401	*C3	L100	A2	R168	C3	R271	A1	R416	C3	R722	*A2	RB524	*A2
C131	C1	C240	B1	C430	*C2	C665	*B3	E1	A1	L102	*C1	R169	C3	R272	B1	R417	C2	R723	C2	RB525	*A3
C132	C1	C241	B1	C431	*C2	C666	*B3	E100	C3	L106	C1	R170	C3	R273	B1	R418	C2	R724	*A2	RB526	A3
C133	A2	C242	C1	C432	*C2	C667	*B2	E101	*C2	L107	A1	R171	C3	R274	C1	R419	C2	R725	*A2	RB527	A2
C134	C1	C243	B1	C433	*C2	C668	B3	E102	*A3	L108	C2	R172	*C1	R275	B1	R420	C2	R726	*A2	RB528	A3
C135	C1	C244	B1	C434	*C2	C669	*B3	E110	*C1	L110	C1	R173	C3	R276	A1	R421	C2	R727	*A2	RB529	A3
C136	*B2	C245	C1	C435	*C2	C670	*B3	ET1	A1	L201	A1	R175	A3	R277	B1	R422	*C2	R728	*A2	RB530	A3
C137	*A2	C246	B1	C501	*B3	C671	*B2	ET2	*A1	L202	B1	R176	*C1	R278	B1	R423	*C2	R729	*A2	RB531	A3
C138	*C3	C247	B1	C502	*C3	C672	B3	ET3	C1	L203	B1	R177	C3	R279	*B1	R424	*C2	R730	*B2	RB532	A2
C139	C2	C248	C1	C503	*B3	C673	*B2	ET4	*C1	L204	A1	R180	A3	R280	*B1	R425	*C2	RB201	B2	RB533	A2
C140	A3	C249	B1	C504	*B3	C674	B3	ET5	C3	L205	B1	R181	A3	R281	*B1	R426	*C3	RB202	A2	RB534	*A2
C141	C2	C250	B1	C505	*B3	C675	*B2	ET6	A3	L206	B1	R182	*C1	R282	*B1	R427	*C2	RB203	A2	RB535	*A3
C143	*C2	C251	C1	C506	*B3	C676	B3	ET7	*A3	L207	B2	R183	A3	R283	*B1	R428	*C3	RB204	B2	RB536	A3
C144	*C3	C252	A1	C507	*B3	C677	*B2	ET8	*C3	L208	B2	R192	A2	R284	*B1	R429	*C3	RB205	B2	RB537	A2
C145	*C2	C253	B1	C508	*B3	C678	*B3	ET9	*C2	L209	C2	R193	A2	R285	*B1	R430	*C2	RB206	B2	RB538	A3
C146	*C3	C254	B1	C509	*B3	C679	*B3	ET10	C2	L210	*B1	R194	B2	R286	*B1	R431	*C2	RB207	C2	RB539	A3
C147	*C1	C255	B2	C510	*B3	C680	*B2	ET11	*A2	L211	*B1	R195	B2	R287	*B1	R432	*C2	RB208	B2	RB540	A3
C148	*C2	C256	B2	C511	*B3	C681	*B3	ET12	*B2	L501	*B3	R196	B2	R288	*B1	R433	*C2	RB209	B2	RB541	A3
C149	*C1	C257	C2	C512	*B3	C682	*B2	FB101	*A3	L502	*A3	R197	B2	R289	*B1	R434	*C2	RB301	B2	RB542	*A3
C150	*C1	C258	B1	C513	*B3	C683	B3	FB102	*A3	L503	*C3	R198	A1	R290	*B1	R435	*C2	RB302	B2	RB543	*A3
C151	*C2	C259	A1	C514	*C3	C684	*B2	FB103	C2	L504	*C3	R200	B1	R291	*B1	R436	C2	RB303	B2	RB544</	



DPR-316 -A SIDE-
SUFFIX: -11

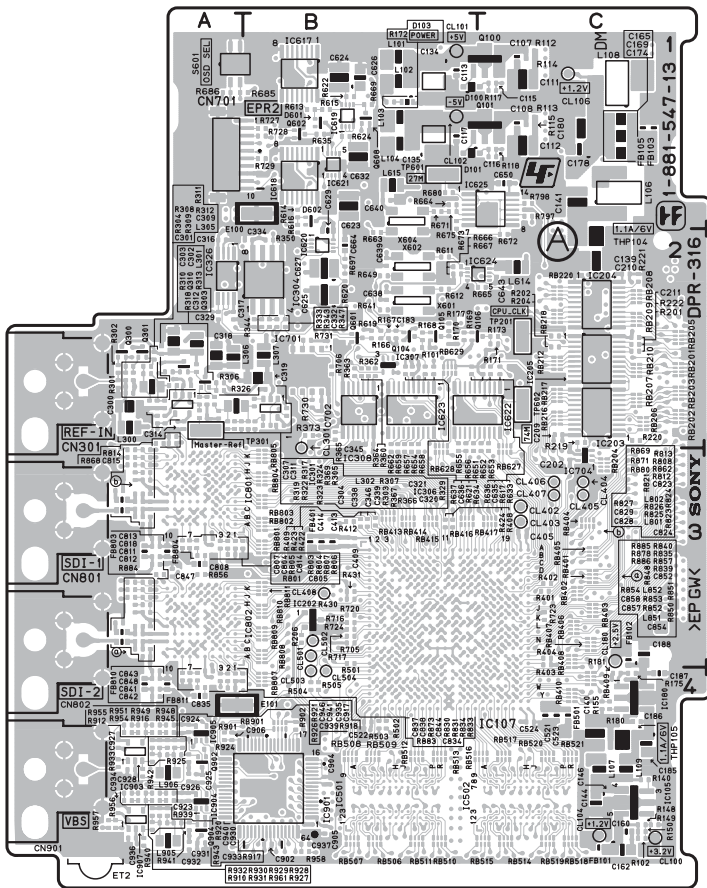


DPR-316 -B SIDE-
SUFFIX: -11

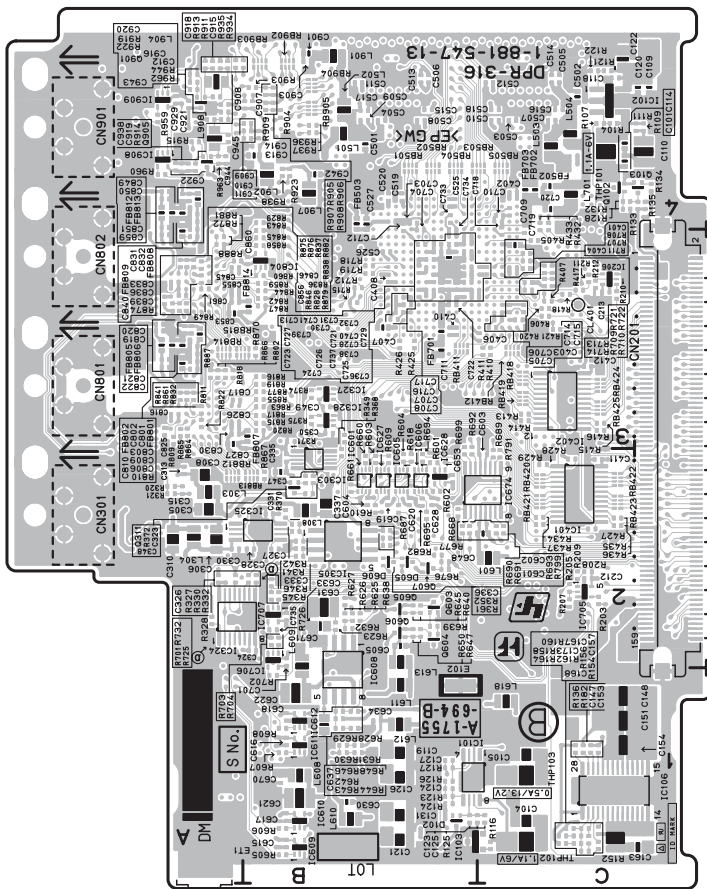
DPR-316 (1-881-547-11)

*:B SIDE

C104	*C4	C334	B2	C708	*B3	C905	B4	FB805	*A3	L503	*C4	R177	B2	R420	*C3	R673	B1	R844	*B3	RB405	C3
C105	*C1	C335	B2	C709	*C4	C906	A4	FB806	A3	L504	*C4	R180	C4	R421	*C3	R675	B1	R845	*B3	RB406	C3
C107	C1	C337	*B2	C711	*B3	C907	*B4	FB807	*A3	L601	*C2	R181	C4	R422	B3	R676	*B2	R846	*A3	RB407	C3
C108	C1	C338	A2	C712	*B3	C908	*B4	FB808	A3	L608	*B1	R182	*C1	R423	B3	R677	*B2	R847	*B3	RB408	C3
C109	*C4	C339	A2	C713	*B3	C909	*B4	FB809	A4	L609	*B2	R201	C2	R424	B3	R680	B1	R848	*A3	RB409	C4
C110	*C4	C345	B2	C714	*C3	C910	*B4	FB810	A3	L610	*B1	R202	C2	R425	*B3	R682	*B2	R849	*A3	RB410	C4
C111	C1	C346	A2	C715	*C3	C911	*B4	FB811	*B3	L611	*B1	R203	*C2	R426	*B3	R685	B1	R850	A3	RB411	*B3
C112	C1	C401	*C3	C716	*B3	C912	*A4	FB812	A3	L612	*B1	R204	C2	R427	*C2	R686	A1	R851	A3	RB412	*C3
C113	B1	C402	*C4	C717	*B3	C913	*B4	FB813	*A4	L613	*B2	R205	*C2	R428	*C2	R687	*B2	R852	A3	RB413	B3
C114	*C4	C403	*C3	C718	*B3	C914	*B4	FB814	A3	L614	C2	R206	B3	R429	*C2	R689	*C2	R853	A3	RB414	B3
C115	C1	C404	*C3	C719	*C4	C915	*A4	FB815	*A4	L615	B1	R207	*C2	R430	B3	R690	*B2	R854	A3	RB415	B3
C116	C1	C405	C3	C720	*C4	C916	*A4	FB816	A3	L618	*C1	R208	*C2	R431	B3	R691	*B2	R855	*A3	RB416	B3
C117	B1	C406	*C3	C721	*B3	C917	A4	IC101	*B1	L701	*C4	R209	*C2	R432	*C4	R692	*B2	R856	*B3	RB417	C3
C118	*C4	C407	*B3	C722	*B3	C918	*A4	IC102	*C4	L801	A3	R210	*C3	R433	*C4	R693	*C2	R857	*B3	RB418	*C3
C119	*B1	C408	*B3	C723	*B3	C919	*A4	IC103	*B1	L802	A3	R211	*C3	R434	*C2	R694	*B2	R858	*B3	RB419	*C3
C120	*C4	C409	B3	C724	*B3	C920	*A4	IC105	C4	L851	A3	R212	*C3	R435	*C2	R695	*B2	R859	*A3	RB420	*C2
C121	*B1	C410	*B3	C725	*B3	C921	*A4	IC106	*C1	L852	A3	R219	C2	R436	*C2	R697	B2	R860	*B3	RB421	*C2
C122	*C4	C411	*C2	C726	*B3	C922	*A4	IC107	B3	L901	*B4	R220	C2	R437	*C2	R699	*B2	R901	A4	RB422	*C2
C123	*B1	C412	*C3	C727	*B3	C923	A4	IC180	C4	L902	*B4	R221	C2	R501	B3	R701	*B2	R902	B4	RB423	*C2
C124	*B1	C413	B3	C728	*B3	C924	A4	IC202	B3	L904	*A4	R222	C2	R502	B4	R702	*B1	R903	*B4	RB424	*C3
C125	*B1	C414	B3	C729	*C3	C925	A4	IC203	C2	L905	A4	R301	A2	R503	B4	R703	*B2	R904	*B4	RB425	*C3
C126	*B1	C501	*B4	C730	*B3	C926	A4	IC204	C2	L906	A4	R302	A2	R504	B4	R704	*B2	R905	*B4	RB501	*B4
C127	*B1	C502	*C4	C731	*B3	C927	A4	IC205	C2	L907	*B4	R303	B2	R505	B4	R705	B3	R906	*B4	RB502	*B4
C131	*B1	C503	*C4	C732	*B3	C928	A4	IC206	*C3	L908	*A4	R304	A2	R601	*B2	R706	*B3	R907	*B4	RB503	*C4
C134	B1	C504	*B4	C733	*B4	C929	*A4	IC301	A2	Q100	C1	R305	A2	R602	*B2	R707	*C3	R908	*B4	RB504	*B4
C135	B1	C505	*C4	C734	*B4	C930	A4	IC302	B2	Q101	C1	R306	A2	R603	*B2	R708	*C3	R909	*B4	RB505	*C4
C139	C2	C506	*B4	C735	*B2	C931	A4	IC303	B2	Q102	*C4	R307	B2	R604	*B2	R709	*C3	R910	A4	RB506	B4
C140	C4	C507	*C4	C736	*B3	C932	A4	IC304	B2	Q103	*C4	R308	A2	R605	*B1	R710	*C3	R911	*A4	RB507	B4
C141	C1	C508	*B4	C737	*B3	C933	A4	IC305	*B2	Q104	B2	R309	A2	R606	*B1	R711	*C3	R912	A4	RB508	B4
C144	C4	C509	*B4	C738	*B3	C934	A4	IC306	B2	Q105	B2	R310	A2	R607	*B1	R712	*B3	R913	*A4	RB509	B4
C146	C4	C510	*C4	C739	*B3	C935	A4	IC307	B2	Q106	B2	R311	A2	R608	*B1	R713	*C3	R914	*A4	RB510	B4
C147	*C1	C511	*B4	C740	*B3	C936	A4	IC308	B2	Q300	A2	R312	A2	R609	*B2	R714	*C3	R915	*A4	RB511	B4
C148	*C1	C512	*C4	C741	*B3	C937	B4	IC324	*A2	Q301	A2	R313	A2	R610	*B2	R715	*B3	R916	A4	RB512	B4
C151	*C1	C513	*B4	C801	A3	C938	*A4	IC325	*B2	Q303	A2	R317	A2	R611	B2	R716	B3	R917	A4	RB513	B4
C153	*C1	C514	*C4	C802	A3	C939	A4	IC326	A2	Q310	A2	R318	A2	R612	B2	R717	B3	R918	A4	RB514	C4
C154	*C1	C515	*B4	C803	A3	C940	A4	IC401	*C2	Q601	B2	R319	A2	R613	B1	R718	*B3	R919	*A4	RB515	C4
C157	*C1	C516	*C4	C804	A3	C941	A4	IC402	*C3	Q602	B1	R320	*A2	R614	B1	R719	*B3	R920	A4	RB516	C4
C160	C4	C517	*B4	C805	A3	C942	*B4	IC501	B4	Q603	*B2	R321	*A2	R615	B1	R720	B3	R921	A4	RB517	C4
C162	C4	C518	*C4	C806	A3	C943	*A4	IC502	C4	Q604	*B2	R322	A2	R616	B2	R721	*C3	R922	*A4	RB518	C4
C163	*C1	C519	*B4	C807	A3	C944	*A4	IC601	*B2	Q605	*B2	R323	A2	R617	C2	R722	*C3	R923	*B4	RB519	C4
C165	C1	C520	*B4	C808	*A3	C945	*A4	IC605	*B2	Q606	*B2	R324	A2	R618	*B2	R723	C3	R924	A4	RB520	C4
C167	*C1	C521	C4	C809	*A3	C946	A4	IC606	*B2	Q607	*B2	R326	A2	R619	B2	R724	B3	R925	A4	RB521	C4
C168	*C1	C522	B4	C810	*A3	CL100	C4	IC608	*B1	Q608	B1	R327	*A2	R620	B2	R725	*B2	R926	A4	RB627	C3
C169	C1	C523	C4	C811	*A3	CL101	B1	IC609	*B1	Q901	*A4	R328	*A2	R621	B2	R726	*B2	R927	A4	RB628	B3
C173	*C1	C524	C4	C812	*A3	CL102	B1	IC610	*B1	Q902	A4	R329	B2	R622	B1	R727	B1	R928	A4	RB629	B2
C174	C1	C525	*B4	C813	*A3	CL104	C4	IC611	*B1	Q904	A4	R330	*B2	R623	*B2	R728	B1	R929	A4	RB801	B3
C178	C1	C526	*B3	C814	*A3	CL106	C1	IC612	*B1	Q905	*A4	R331	B2	R624	B1	R729	B1	R930	A4	RB802	B3
C180	C1	C527	*B4	C815	*A3	CL180	C3	IC617	B1	R101	B2	R332	*B2	R625	*B2	R791	*C2	R931	A4	RB803	B3
C183	B2	C601	*C2	C816	*A3	CL401	*C3	IC618	B1	R102	C4	R333	B2	R626	*B2	R797	C1	R932	A4	RB804	B3
C185	C4	C602	*C2	C817	*A3	CL402	C3	IC619	B1	R104	*C4	R334	B2	R627	*B2	R798	C1	R933	A4	RB805	B3
C186	C4	C603	*C2	C818	*A3	CL403	C3	IC620	B2	R107	*C4	R335	B2	R628	*B1	R799	*C2	R934	*B4	RB807	B4
C187	C4	C604	*B2	C819	*A3	CL404	C3	IC621	B1	R109	*C4	R336	B2	R629	*B1	R801	A3	R935	*A4	RB808	B3
C188	C3	C605	*B2	C820	*A3	CL405	C3	IC622	B2	R111	*C4	R337	B2	R630	*B1	R802	*B3	R936	*B4	RB809	B3
C202	C3	C615	*B1	C821	*A3	CL406	C3	IC623	B2	R112	C1	R339	B2	R631	*B1	R803	A3	R937	*B4	RB810	B3
C209	C2	C616	*B1	C822	*A3	CL407	C3	IC624	C2	R113	C1	R340	B2	R632	*B2	R804	A3	R938	*B4	RB811	B3
C210	C2	C617	*B1	C823	*A3	CL408	B3	IC625	C1	R114	C1	R341	*B2	R633	C2	R805	A3	R939	A4	RB901	B4
C211	C2	C618	*B1	C824	A3	CL501	B3	IC627	*B2	R115	C1	R342	*B2	R634	B2	R806	A3	R940	A4	RB902	*B4
C212	*C2	C619	*B2	C825	A3	CL502	B3	IC628	*B2	R116	*C1	R343	B2	R635	B1	R807	A3	R941	A4	RB903	*B4
C213	*C3	C620	*B2	C826	A3	CL503	B4	IC674	*C2	R117	C1	R344	C2	R636	B2	R808	A3	R942	A4	RB904	*B4
C300	A2	C621	*B1	C828	A3	CL504	B4	IC701	*B2	R118	C1	R345	*B2	R637	B2	R809	*A3	R943	A4	RB905	*B4
C301	A2	C622	*B1	C829	A3	CN201	*C3	IC704	C3	R121	*C4	R346	*B2	R638	*B2	R810	*A3	R944	*A4	S601	A1
C302	A2	C623	B1	C830	A3	CN301	A2	IC705	*C2	R122	*C4	R347	B2	R639	*B2	R811	*A3	R945	A4	THP101	*C4
C303	A2	C624	B1	C831	A4	CN701	A1	IC706	*B2	R123	*B1	R349	B3	R640	*B2	R812	*A3	R948	A4	THP102	*C1
C304	A2	C625	B2	C832	A4	CN801	A3	IC707	*B2	R124	*B1	R350	B2	R641	B2	R813	A3	R949	A4	THP103	*C1
C305	*A2	C626	B1	C833	A4	CN802															



DPR-316 -A SIDE-
SUFFIX: -12, -13



DPR-316 -B SIDE-
SUFFIX: -12, -13

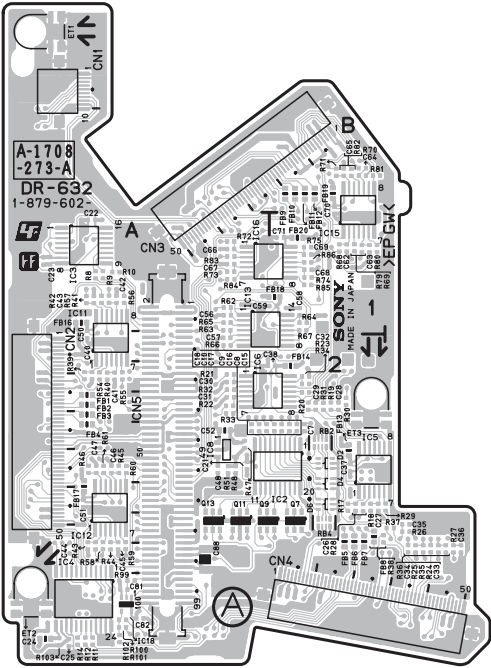
DPR-316

DPR-316

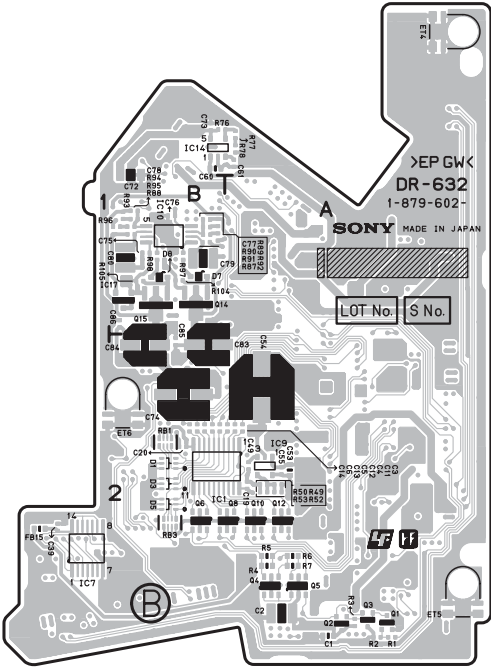
DPR-316 (1-881-547-12, -13)

*:B SIDE

C101	*C4	C333	*B2	C671	*B2	C850	*A4	D602	B1	IC802	A3	R118	C1	R350	B2	R633	C2	R798	C1	R902	B4	RB419	*C3
C104	*C1	C334	*B2	C701	*B2	C851	*A4	D605	*B2	IC804	*B3	R121	*C4	R352	*B2	R634	B2	R799	*C2	R903	*B4	RB420	*C2
C105	*C1	C335	*B2	C702	B2	C852	A3	D606	*B2	IC901	B4	R122	*C4	R360	B2	R635	B1	R801	A3	R904	*B4	RB421	*C2
C107	C1	C336	*B2	C703	*B4	C853	*A3			IC903	A4	R123	*B1	R361	*B2	R636	B2	R802	*A3	R905	*B4	RB422	*C2
C108	C1	C337	*B2	C704	*B3	C854	A3	E100	B1	IC904	A4	R124	*B1	R362	B2	R637	B2	R803	A3	R906	*B4	RB423	*C2
C109	*C4	C338	A2	C705	*C3	C855	*A3	E101	A4	IC905	A4	R125	*C1	R363	B2	R638	*B2	R804	A3	R907	*B4	RB424	*C3
C110	*C4	C339	A2	C706	*C3	C856	*A3	E102	*B1	IC907	A4	R126	*B1	R364	B2	R639	*B2	R805	A3	R908	*B4	RB425	*C3
C111	C1	C345	B2	C707	*B3	C857	A3			IC908	*A4	R127	*B1	R365	B2	R640	*B2	R806	A3	R909	*B4	RB501	*B4
C112	C1	C346	A2	C708	*B3	C858	A3	ET1	*A1			R128	*C4	R366	B2	R641	B2	R807	A3	R910	A4	RB502	*B4
C113	B1	C347	*B2	C709	*C4	C859	*A3	ET2	A4	IC909	*A4	R132	*C4	R367	B2	R642	*B1	R808	A3	R911	*A4	RB503	*C4
C114	*C4	C348	*B2	C710	*C4	C860	*B3			L101	B1	R133	*C4	R368	*B3	R643	*B1	R809	*A3	R912	A4	RB504	*B4
C115	C1	C349	*B3	C711	*B3	C861	*A3	FB101	C4	L102	B1	R134	*C4	R369	A2	R644	*B1	R810	*A3	R913	*A4	RB505	*C4
C116	C1	C350	*B3	C712	*B4	C901	*B4	FB102	C3	L103	B1	R135	*C4	R370	*B2	R645	*B2	R811	*A3	R914	*A4	RB506	B4
C117	B1	C401	*C3	C713	*B3	C902	B4	FB103	C1	L104	B1	R136	*C1	R371	*B3	R646	*B1	R812	A3	R915	*A4	RB507	B4
C118	*C4	C402	*C4	C714	*C3	C903	*B4	FB105	C1	L106	C1	R140	C4	R372	*B2	R647	*B2	R813	A3	R916	A4	RB508	B4
C119	*B1	C403	*C3	C715	*C3	C904	B4	FB401	B3	L107	C4	R148	C4	R373	B2	R648	*B1	R814	A2	R917	A4	RB509	B4
C120	*C4	C404	*C3	C716	*B3	C905	B4	FB501	C4	L108	C1	R149	C4	R374	*B3	R649	B2	R815	*B3	R918	A4	RB510	B4
C121	*B1	C405	C3	C717	*B3	C906	A4	FB502	*C4	L109	C4	R150	C4	R375	*B3	R650	*B2	R816	*B3	R919	*A4	RB511	B4
C122	*C4	C406	*C3	C718	*C3	C907	*B4	FB503	*B4	L300	A2	R152	*C1	R401	C3	R651	B2	R817	*B3	R920	A4	RB512	B4
C123	*B1	C407	*B3	C719	*C4	C908	*B4	FB701	*B3	L301	A2	R154	*C1	R402	C3	R652	C2	R818	*A3	R921	A4	RB513	B4
C124	*B1	C408	*B3	C720	*C4	C909	*B4	FB702	*C4	L302	A2	R155	C4	R403	C3	R653	C2	R819	*B3	R922	*A4	RB514	C4
C125	*B1	C409	B3	C721	*B3	C910	*B4	FB703	*C4	L303	*A2	R156	*C1	R404	C3	R654	B3	R820	*B3	R923	*B4	RB515	C4
C126	*B1	C410	*B3	C722	*B3	C911	*B4	FB801	*A3	L304	*A2	R158	*C1	R405	*C3	R655	B2	R821	A3	R924	A4	RB516	C4
C127	*B1	C411	*C2	C723	*B3	C912	*A4	FB802	*A3	L305	A2	R160	*C1	R406	*C3	R656	B2	R822	*A3	R925	A4	RB517	C4
C131	*B1	C412	*C3	C724	*B3	C913	*B4	FB803	A3	L306	A2	R162	*C1	R407	*C3	R657	B3	R823	A3	R926	A4	RB518	C4
C134	B1	C413	B3	C725	*B3	C914	*B4	FB804	A3	L307	B2	R164	*C1	R408	B3	R658	B3	R824	A3	R927	A4	RB519	C4
C135	B1	C414	B3	C726	*B3	C915	*A4	FB805	*A3	L308	*B2	R166	B2	R409	B3	R659	B3	R825	A3	R928	A4	RB520	C4
C139	C2	C501	*B4	C727	*B3	C916	*A4	FB806	*A3	L501	*B4	R167	B2	R410	*C3	R660	*B2	R826	A3	R929	A4	RB521	C4
C140	C4	C502	*C4	C728	*B3	C917	A4	FB807	*B3	L502	*B4	R168	B2	R411	*C3	R661	*B2	R827	A3	R930	A4	RB627	C3
C141	C1	C503	*C4	C729	*C3	C918	*A4	FB808	*A4	L503	*C4	R169	B2	R412	B3	R662	B3	R828	*A3	R931	A4	RB628	B3
C144	C4	C504	*B4	C730	*B3	C919	*A4	FB809	*A4	L504	*C4	R170	B2	R413	*C3	R663	B2	R829	*B4	R932	A4	RB629	B2
C146	C4	C505	*C4	C731	*B3	C920	*A4	FB810	A4	L601	*C2	R171	C2	R414	*C3	R664	B1	R830	A4	R933	A4	RB801	B3
C147	*C1	C506	*B4	C732	*B3	C921	*A4	FB811	A4	L608	*B1	R172	B1	R415	*C3	R665	C2	R831	A4	R934	*B4	RB802	B3
C148	*C1	C507	*C4	C733	*B4	C922	*A4	FB812	*A4	L609	*B2	R173	C2	R416	*C3	R666	B2	R832	*A3	R935	*A4	RB803	B3
C151	*C1	C508	*B4	C734	*B3	C923	A4	FB813	*A4	L610	*B1	R175	C4	R417	*C3	R667	B2	R833	A4	R936	*B4	RB804	B3
C153	*C1	C509	*B4	C735	*B2	C924	A4	FB814	*B3	L611	*B1	R177	B2	R418	*C3	R668	*B2	R834	A4	R937	*B4	RB805	B3
C154	*C1	C510	*C4	C736	*B3	C925	A4			L612	*B1	R180	C4	R420	*C3	R669	B1	R835	A3	R938	*B4	RB807	B4
C157	*C1	C511	*B4	C737	*B3	C926	A4	IC101	*B1	L613	*B2	R181	C4	R421	*C3	R671	B1	R836	*A3	R939	A4	RB808	B3
C160	C4	C512	*C4	C738	*B3	C927	A4	IC102	*C4	L614	C2	R182	*C1	R422	B3	R672	C2	R837	*A3	R940	A4	RB809	B3
C162	C4	C513	*B4	C739	*B3	C928	A4	IC103	*B1	L615	B1	R201	C2	R423	B3	R673	B1	R838	*A3	R941	A4	RB810	B3
C163	*C1	C514	*C4	C740	*B3	C929	*A4	IC105	C4	L618	*C1	R202	C2	R424	B3	R675	B1	R839	A3	R942	A4	RB811	B3
C165	C1	C515	*B4	C741	*B3	C930	A4	IC106	*C1	L701	*C4	R203	*C2	R425	*B3	R676	*B2	R840	A3	R943	A4	RB812	*A2
C167	*C1	C516	*C4	C801	*A3	C931	A4	IC107	B3	L801	A3	R204	C2	R426	*B3	R677	*B2	R841	*A3	R944	*A4	RB813	*B2
C168	*C1	C517	*B4	C802	*A3	C932	A4	IC180	C4	L802	A3	R205	*C2	R427	*C2	R680	B1	R842	*B3	R945	A4	RB814	*A3
C169	C1	C518	*C4	C803	*A3	C933	A4	IC202	B3	L851	A3	R206	B3	R428	*C2	R682	*B2	R843	*B3	R948	A4	RB815	*A3
C173	*C1	C519	*B4	C804	A3	C934	A4	IC203	C2	L852	A3	R207	*C2	R429	*C2	R685	B1	R844	*B3	R949	A4	RB901	B4
C174	C1	C520	*B4	C805	A3	C935	A4	IC204	C2	L901	*B4	R208	*C2	R430	B3	R686	A1	R845	*B3	R951	A4	RB902	*B4
C178	C1	C521	C4	C806	*A3	C936	A4	IC205	C2	L902	*B4	R209	*C2	R431	B3	R687	*B2	R846	*A3	R954	A4	RB903	*B4
C180	C1	C522	B4	C807	A3	C937	B4	IC206	*C3	L904	*A4	R210	*C3	R432	*C4	R689	*C2	R847	*B3	R955	A4	RB904	*B4
C183	B2	C523	C4	C808	A3	C938	*A4	IC301	A2	L905	A4	R211	*C3	R433	*C4	R690	*B2	R848	A3	R956	A4	RB905	*B4
C185	C4	C524	C4	C809	*A3	C939	A4	IC303	*B2	L906	A4	R212	*C3	R434	*C2	R691	*B2	R849	*A3	R957	A4		
C186	C4	C525	*B4	C810	*A3	C940	A4	IC304	B2	L907	*B4	R219	C2	R435	*C2	R692	*B2	R850	A3	R958	B4	S601	A1
C187	C4	C526	*B3	C811	A3	C941	A4	IC305	*B2	L908	*A4	R220	C2	R436	*C2	R693	*C2	R851	A3</				



DR-632P -A SIDE-
SUFFIX: -12

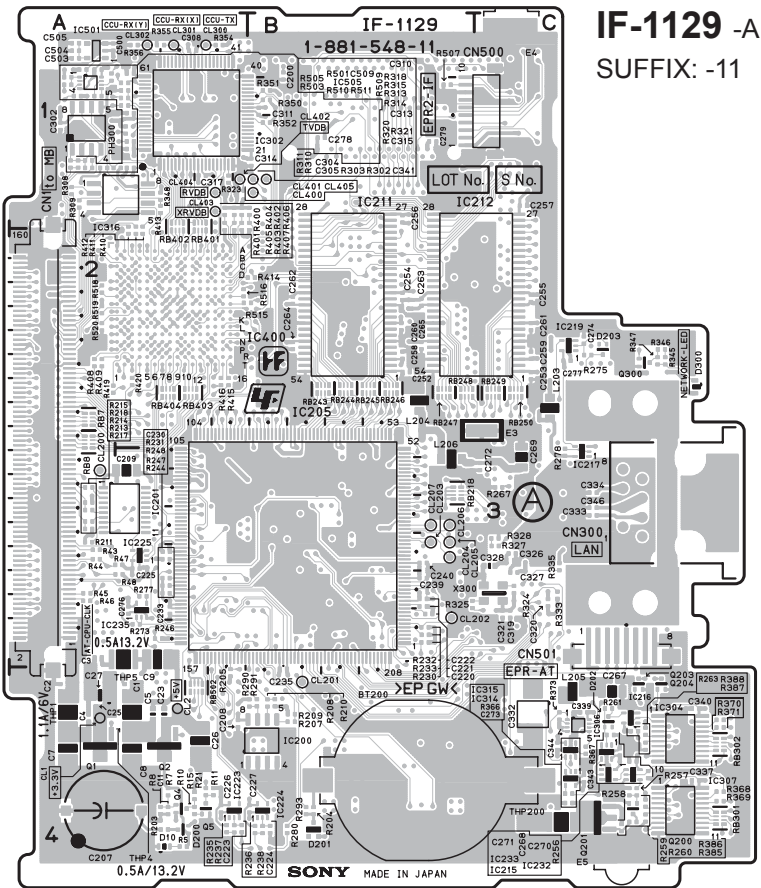


DR-632P -B SIDE-
SUFFIX: -12

DR-632P (1-879-602-12)

*:B SIDE

C1	*A2	C48	A2	D1	*B2	IC11	A2	R26	B2	R73	A1
C2	*A2	C49	*A2	D2	B2	IC12	A2	R27	B2	R74	B1
C3	*A2	C50	A2	D3	*B2	IC13	A1	R28	B2	R75	B1
C4	*A2	C51	A2	D4	B2	IC14	*B1	R29	B2	R76	*B1
C5	*B2	C52	A2	D5	*B2	IC15	B1	R30	B2	R77	*A1
C6	*B2	C53	*A2	D6	B2	IC16	A1	R31	B2	R78	*A1
C7	B2	C54	*A2	D7	*B1	IC17	*B1	R32	A2	R79	B1
C8	B2	C55	*A2	D8	*B1	IC18	A2	R33	A2	R80	B1
C9	B2	C56	A1					R34	B2	R81	B1
C10	A2	C57	A2	ET1	A1	Q1	*A2	R35	B2	R82	B1
C11	*A2	C58	B1	ET2	A2	Q2	*A2	R36	B2	R83	A1
C12	*B2	C59	B1	ET3	B2	Q3	*A2	R37	B2	R84	A1
C13	*B2	C60	*B1	ET4	*A1	Q4	*A2	R38	B2	R85	B1
C14	*B2	C61	*A1	ET5	*A2	Q5	*A2	R39	A2	R86	B1
C15	B2	C62	B1	ET6	*B2	Q6	*B2	R40	A2	R87	*B1
C16	B2	C63	B1			Q7	B2	R41	A1	R88	*B1
C17	A2	C64	B1	FB1	A2	Q8	*A2	R42	A1	R89	*B1
C18	A2	C65	B1	FB2	A2	Q9	A2	R43	A2	R90	*B1
C19	*A2	C66	A1	FB3	A2	Q10	*A2	R44	A2	R91	*B1
C20	*B2	C67	A1	FB4	A2	Q11	A2	R45	A2	R92	*B1
C21	A2	C68	B1	FB5	B2	Q12	*A2	R46	A2	R93	*B1
C22	A1	C69	B1	FB6	B2	Q13	A2	R47	A2	R94	*B1
C23	A1	C70	B1	FB7	B2	Q14	*B1	R48	A2	R95	*B1
C24	A2	C71	B1	FB8	B2	Q15	*B1	R49	*A2	R96	*B1
C25	A2	C72	*B1	FB9	B1			R50	*A2	R97	*B1
C26	B2	C73	*B1	FB10	B1	R1	*A2	R51	A2	R98	*B1
C27	B2	C74	*B2	FB11	B1	R2	*A2	R52	*A2	R99	A2
C28	B2	C75	*B1	FB12	B1	R3	*A2	R53	*A2	R100	A2
C29	B2	C76	*B1	FB13	B2	R4	*A2	R54	A2	R101	A2
C30	A2	C77	*B1	FB14	B2	R5	*A2	R55	A2	R102	A2
C31	A2	C78	*B1	FB15	*B2	R6	*A2	R56	A1	R103	A2
C32	B2	C79	*B1	FB16	A1	R7	*A2	R57	A1	R104	*B1
C33	B2	C80	*B1	FB17	A2	R8	A1	R58	A2	R105	*B1
C34	B2	C81	A2	FB18	B1	R9	A1	R59	A2		
C35	B2	C82	A2	FB19	B1	R10	A1	R60	A2	RB1	*B2
C36	B2	C83	*B2	FB20	B1	R11	A2	R61	A2	RB2	B2
C37	B2	C84	*B2			R12	A2	R62	A1	RB3	*B2
C38	B2	C85	*B2	IC1	*B2	R14	A2	R63	A1	RB4	B2
C39	*B2	C86	*B1	IC2	B2	R17	B2	R64	B1		
C40	A2	C88	A2	IC3	A1	R18	B2	R65	A1		
C41	A2			IC4	A2	R19	B2	R66	A2		
C42	A1	CN1	A1	IC5	B2	R20	B2	R67	B1		
C43	A1	CN2	A2	IC6	A2	R21	A2	R68	B1		
C44	A2	CN3	A1	IC7	*B2	R22	A2	R69	B1		
C45	A2	CN4	B2	IC8	A2	R23	B2	R70	B1		
C46	A2	CN5	A2	IC9	*A2	R24	B2	R71	B1		
C47	A2			IC10	*B1	R25	B2	R72	A1		



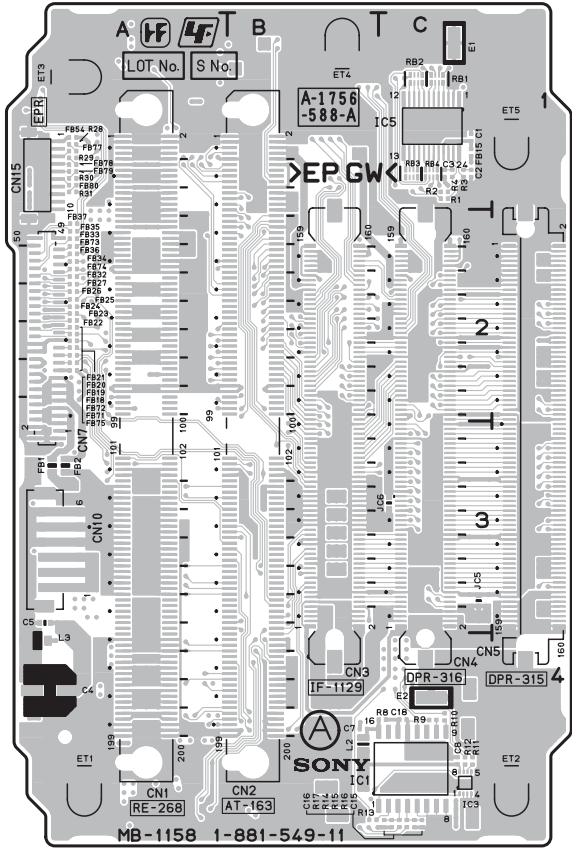
IF-1129 - A SIDE-
SUFFIX: -11

IF-1129 (1-881-548-11)

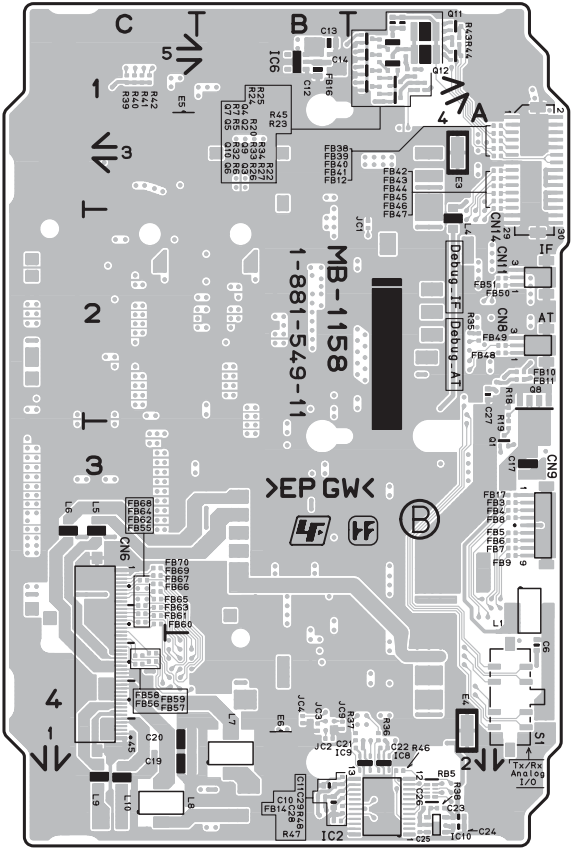
*:B SIDE

BT200	B4	C262	B2	C527	*A2	IC232	C4	R50	*A3	R292	*B3	R400	A1	RB229	*B2
C1	A4	C263	B2	C528	*A2	IC233	C4	R200	*B1	R293	*B4	R401	A1	RB230	*B2
C2	A4	C264	B2	C529	*A2	IC234	*A3	R201	*B1	R294	*B4	R402	A1	RB231	*B2
C3	A3	C265	B2	C530	*A2	IC235	A3	R202	*B3	R295	*B4	R403	A1	RB232	*B2
C4	A4	C266	*A3	C531	*A2	IC236	*B3	R203	A4	R296	*B3	R404	A1	RB233	*C2
C5	A4	C267	C4	C532	*A3	IC237	*B3	R204	B4	R297	*B3	R405	A1	RB234	*C1
C6	*A4	C268	C4	C533	*A2	IC300	*A2	R205	A4	R298	*B4	R406	B1	RB235	*C2
C7	A4	C269	C3	C534	*A2	IC301	*A2	R206	*C2	R299	*B4	R407	B1	RB236	*C1
C8	A4	C270	C4	C535	*A4	IC302	A1	R207	B4	R302	A1	R408	A2	RB243	B2
C9	A3	C271	C4	CL1	A4	IC303	*C3	R208	B4	R303	A1	R409	A2	RB244	B2
C10	*A4	C272	C3	CL2	A4	IC304	C4	R209	B4	R304	*A2	R410	A2	RB245	B2
C11	A4	C273	C4	CL3	*B4	IC305	*A1	R210	B4	R305	*A2	R411	A2	RB246	B2
C12	*A4	C274	C2	CL4	*B4	IC306	C4	R211	A3	R306	*A2	R412	A2	RB247	B2
C13	*A4	C275	*A3	CL200	A3	IC307	C4	R212	*C2	R307	*A2	R413	A1	RB248	B2
C14	*A4	C276	A3	CL201	B4	IC311	*A1	R213	A3	R308	A1	R414	B2	RB249	C2
C16	*A4	C277	C2	CL202	B3	IC312	*A1	R214	A3	R309	A1	R415	A2	RB250	C2
C17	*A4	C278	B1	CL203	B3	IC313	*B4	R215	A3	R310	A1	R416	A2	RB300	*A1
C18	*A4	C279	B1	CL204	B3	IC314	C4	R216	*A3	R311	A1	R417	*A2	RB301	C4
C19	*A4	C280	*B3	CL205	B3	IC315	C4	R217	A3	R312	*A2	R419	A2	RB302	C4
C21	*B4	C281	*B3	CL206	B3	IC316	A1	R218	A3	R313	A1	R420	A2	RB401	A1
C22	*B4	C282	*B3	CL207	B3	IC400	A2	R219	*A3	R314	A1	R421	*C2	RB402	A1
C23	A4	C302	A1	CL300	A1	IC500	*A4	R220	*B3	R315	A1	R422	*C2	RB403	A2
C24	*B4	C303	*A1	CL301	A1	IC501	A1	R221	*B3	R316	*A1	R423	*C2	RB404	A2
C25	A4	C304	A1	CL302	A1	IC502	*C1	R222	*B3	R317	*A1	R424	*C2	RB501	*A3
C26	A4	C305	A1	CL400	B1	IC504	*A3	R223	*B3	R318	A1	R425	*A2	RB502	A4
C27	A4	C306	*A2	CL401	B1	IC505	A1	R224	*B3	R319	*A1	R426	*B2	RB503	*A4
C28	*B4	C307	*A1	CL402	A1	IC508	*B3	R225	*B3	R320	A1	R427	*A1	RB504	*A3
C29	*B4	C308	A1	CL403	A1	IC509	*C3	R226	*B3	R321	A1	R428	*A1	RB505	*A3
C30	*B4	C309	*A1	CL404	A1	IC510	*A4	R227	*B3	R322	*A1	R429	*A1	RB506	*A3
C200	B1	C310	A1	CL405	B1	L200	*A1	R228	*B3	R323	A1	R430	*C2	S1	*C2
C201	*B3	C311	B1	CN1	A3	L201	*B3	R229	*B3	R324	C3	R431	*C2	THP1	A4
C202	*B3	C312	*A1	CN200	*B1	L202	*C4	R230	B3	R325	B3	R501	A1	THP2	*B4
C203	*B3	C313	A1	CN201	*B4	L203	C2	R231	A3	R326	*B3	R502	*A3	THP3	*B4
C204	*A3	C314	B1	CN202	*B4	L204	B2	R232	B3	R327	C3	R503	A1	THP4	A4
C205	*C2	C315	A1	CN204	*C4	L205	C4	R233	B3	R328	C3	R504	*C3	THP5	A3
C206	*B3	C316	*A1	CN205	*B1	L206	B3	R234	*B3	R330	*C3	R505	A1	THP200	C4
C207	A4	C317	A1	CN300	C3	L300	*A1	R235	A4	R331	*C3	R506	*C1	X200	*B3
C208	A4	C318	*B3	CN500	C1	L301	*C4	R236	B4	R332	*C3	R507	B1	X300	C3
C209	A3	C319	C3	CN501	C3	L302	*A1	R237	A4	R333	C3	R508	*A2		
C210	*A3	C320	C3	D1	*A4	L500	*A2	R238	B4	R334	*C3	R509	A1		
C211	*A3	C321	C3	D2	*A4	L501	*A1	R239	*B4	R335	C3	R510	A1		
C212	*A3	C322	*B3	D10	A4	L502	*A2	R240	*B3	R336	*C3	R511	A1		
C213	*A3	C323	*B3	D200	A4	L503	*A2	R241	*B3	R337	*C3	R512	*C3		
C214	*B3	C324	*C3	D201	B4	PH300	A1	R242	*B3	R338	*C3	R513	*C3		
C215	*B3	C325	*C3	D202	C4	Q1	A4	R243	*B3	R339	*C3	R514	*B4		
C216	*C4	C326	C3	D203	C2	Q2	A4	R244	A3	R340	*C3	R515	A2		
C217	*B3	C327	C3	D204	*C3	Q4	A4	R245	*B3	R341	*C3	R516	A2		
C218	*B3	C328	C3	D300	C2	Q5	A4	R246	A3	R344	*B4	R517	*A2		
C219	*B3	C329	*C3	E1	*C4	Q200	C4	R247	A3	R345	C2	R518	A2		
C220	B3	C330	*C3	E2	*A1	Q201	C4	R248	A3	R346	C2	R519	A2		
C221	B3	C332	C4	E3	C2	Q203	C4	R249	*B3	R347	C2	R520	A2		
C222	B3	C333	C3	E4	C1	Q204	C4	R250	*B3	R348	A1	R521	*C1		
C223	A4	C334	C3	E5	C4	Q300	C2	R251	*B3	R349	*B4	R522	*A2		
C224	B4	C335	*C3	FB500	*A2	R4	*A4	R252	*B3	R350	B1	R523	*A3		
C225	A3	C336	*C3	FB501	*A2	R5	A4	R253	*B3	R351	B1	R524	*A3		
C226	A4	C337	C4	IC1	*A4	R6	*A4	R254	*B3	R352	B1	R525	*A3		
C227	B4	C338	*A1	IC2	*B4	R7	A4	R255	*B3	R354	A1	R526	*A3		
C228	*B3	C339	C4	IC3	*A4	R8	A4	R256	C4	R355	A1	R527	*A4		
C229	*A3	C340	C4	IC4	*B4	R9	*A4	R257	C4	R356	A1	R528	*C1		
C230	A3	C341	A1	IC200	B4	R10	A4	R258	C4	R357	*A1	R529	*C1		
C231	*A3	C342	*B4	IC201	A3	R11	A4	R259	C4	R358	*A2	R530	*C1		
C232	*A3	C343	C4	IC202	*A3	R12	*A4	R260	C4	R359	*A1	R532	*A4		
C233	A3	C344	C4	IC203	*B3	R13	*A4	R261	C4	R360	*A1	R533	*C3		
C234	*A3	C345	*A1	IC204	*B3	R14	*A4	R262	*C2	R361	*A1	R534	*A1		
C235	B4	C346	C3	IC205	B3	R15	A4	R263	C4	R362	*A1	RB1	*A2		
C236	*B3	C500	A1	IC206	*A3	R16	*A4	R264	*C3	R363	*A1	RB2	*A2		
C237	*B3	C501	*A3	IC207	*A3	R17	*A4	R265	*C3	R364	*A1	RB3	*A3		
C238	*B3	C502	*C1	IC208	*B3	R18	*A4	R266	*C3	R365	*A1	RB4	*A3		
C239	B3	C503	A1	IC209	*B2	R19	*A4	R267	C3	R366	C4	RB5	*A3		
C240	B3	C504	A1	IC210	*B2	R21	A4	R268	*C3	R367	C4	RB6	*A3		
C241	*B3	C505	A1	IC211	B2	R22	*B4	R269	*C3	R368	C4	RB7	A2		
C242	*B3	C506	*C3	IC212	C2	R23	*B4	R270	*C2	R369	C4	RB8	A2		
C243	*A3	C507	*B3	IC213	*A3	R24	*B4	R271	*C2	R370	C4	RB200	*A3		
C244	*B4	C509	A1	IC214	*C3	R25	*B4	R272	*A3	R371	C4	RB201	*B2		
C245	*B3	C510	*A2	IC215	C4	R26	*B4	R273	A3	R372	*B4	RB202	*B2		
C246	*B2	C511	*A2	IC216	C4	R27	*B4	R274	*A3	R373	C4	RB203	*B2		
C247	*C2	C512	*A2	IC217	C3	R28	*B4	R275	C2	R374	*A1	RB204	*B2		
C248	*B3	C513	*A2	IC218	*B4	R35	*A2	R277	A3	R375	*A1	RB205	*A3		
C249	*B3	C514	*A2	IC219	C2	R36	*A2	R278	C3	R376	*A1	RB206	*A3		
C250	*B3	C515	*A1	IC220	*B3	R37	*A2	R279	*C3	R377	*A1	RB207	*A2		
C251	*B3	C516	*A2	IC221	*A3	R38	*A3	R280	B4	R378	*A1	RB208	*B2		
C252	B2	C517	*A2	IC222	*C2	R39	*A3	R281	*C3	R379	*A1	RB209	*B3		
C253	C2	C518	*A2	IC223	A4	R40	*A3	R282	*C3	R380	*A1	RB210	*B3		
C254	B2	C519	*A2	IC224	B4	R41	*A3	R283	*B4	R381	*A1	RB211	*B3		
C255	C2	C520	*A2	IC225	A3	R43	A3	R285	*B1	R382	*A1	RB212	*A2		
C256	B1	C521	*A2	IC226	*B3	R44	A3	R286	*B1	R383	*A1	RB213	*A2		
C257	C1	C522	*A2	IC227	*B3	R45	A3	R287	*B4	R384	*A1	RB214	*B2		
C258	B2	C523	*A2	IC228	*B3	R46	A3	R288	*B4	R385	C4	RB215	*B2		
C259	C2	C524	*A2	IC229	*B3	R47	A3	R289	*B4	R386	C4	RB216	*A3		
C260	B2	C525	*A2	IC230	*B3	R48	A3	R290	B4	R387	C4	RB217	*A3		
C261	C2	C526	*A2	IC231	*B4	R49	*A3	R291	B4	R388	C4	RB218	B3		

IF-1129 - B SIDE-
SUFFIX: -11



MB-1158 -A SIDE-
SUFFIX: -11

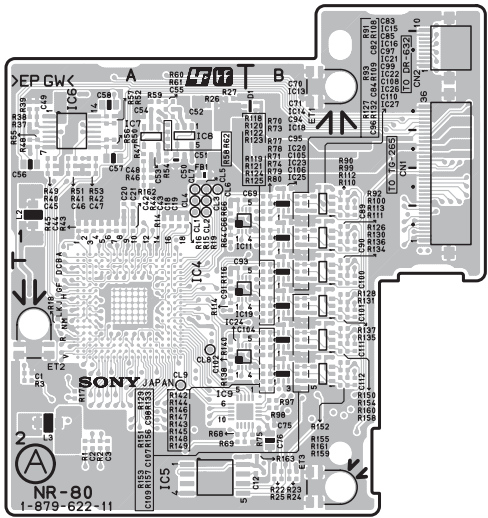


MB-1158 -B SIDE-
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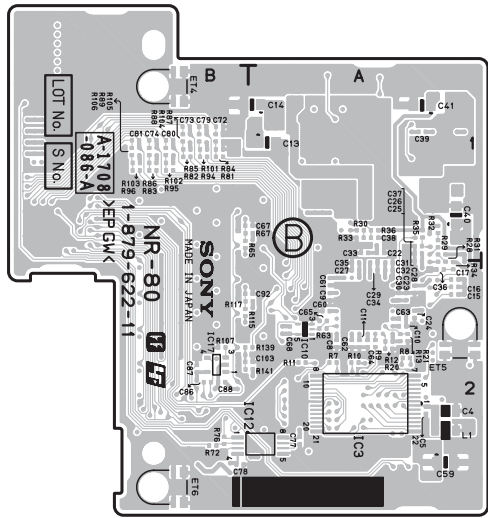
MB-1158 (1-881-549-11)

*:B SIDE

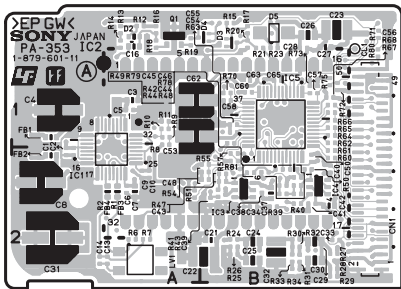
C1	C1	E6	*B4	FB46	*A1	JC9	*B4	R25	*A1
C2	C1	ET1	A4	FB47	*A1	L1	*A3	R26	*A1
C3	C1	ET2	C4	FB48	*A2	L2	B4	R27	*A1
C4	A4	ET3	A1	FB49	*A2	L3	A4	R28	A1
C5	A3	ET4	B1	FB50	*A2	L4	*A2	R29	A1
C6	*A4	ET5	C1	FB51	*A2	L5	*C3	R30	A1
C7	B4	FB1	A3	FB54	A1	L6	*C3	R31	A1
C8	C4	FB2	A3	FB55	*C3	L7	*B4	R32	*A1
C10	*B4	FB3	*A3	FB56	*C4	L8	*C4	R33	*A1
C11	*B4	FB4	*A3	FB57	*C4	L9	*C4	R34	*A1
C12	*B1	FB5	*A3	FB58	*C4	L10	*C4	R35	*A2
C13	*B1	FB6	*A3	FB59	*C4	Q1	*A3	R36	*A4
C14	*B1	FB7	*A3	FB60	*C3	Q2	*A1	R37	*A4
C15	C4	FB8	*A3	FB61	*C3	Q3	*A1	R38	*A4
C16	C4	FB9	*A3	FB62	*C3	Q4	*A1	R39	*C1
C17	*A3	FB10	*A2	FB63	*C3	Q5	*A1	R40	*C1
C18	C4	FB11	*A2	FB64	*C3	Q6	*A1	R41	*C1
C19	*C4	FB12	*A1	FB65	*C3	Q7	*A1	R42	*C1
C20	*C4	FB14	*B4	FB66	*C3	Q8	*A2	R43	*A1
C21	*A4	FB15	C1	FB67	*C3	Q9	*A1	R44	*A1
C22	*A4	FB16	*B1	FB68	*C3	Q10	*A1	R45	*A1
C23	*A4	FB17	*A3	FB69	*C3	Q11	*A1	R46	*A4
C24	*A4	FB18	A2	FB70	*C3	Q12	*A1	R47	*B4
C25	*A4	FB19	A2	FB71	A2	R1	C1	R48	*B4
C26	*A4	FB20	A2	FB72	A2	R2	C1	RB1	C1
C27	*A2	FB21	A2	FB73	A2	R3	C1	RB2	C1
C28	*B4	FB22	A2	FB74	A2	R4	C1	RB3	C1
C29	*B4	FB23	A2	FB75	A2	R5	*A1	RB4	C1
CN1	A3	FB24	A2	FB77	A1	R6	*A1	RB5	*A4
CN2	B3	FB25	A2	FB78	A1	R7	*A1	S1	*A4
CN3	B3	FB26	A2	FB79	A1	R8	C4		
CN4	C3	FB27	A2	FB80	A1	R9	C4		
CN5	C3	FB32	A2	IC1	C4	R10	C4		
CN6	*C4	FB33	A2	IC2	*A4	R11	C4		
CN7	A2	FB34	A2	IC3	C4	R12	C4		
CN8	*A2	FB35	A2	IC5	C1	R13	B4		
CN9	*A3	FB36	A2	IC6	*B1	R14	C4		
CN10	A3	FB37	A2	IC8	*A4	R15	C4		
CN11	*A2	FB38	*A1	IC9	*A4	R16	C4		
CN14	*A1	FB39	*A1	IC10	*A4	R17	C4		
CN15	A1	FB40	*A1	JC1	*A2	R18	*A2		
E1	C1	FB41	*A1	JC2	*B4	R19	*A3		
E2	C4	FB42	*A1	JC3	*B4	R20	*A1		
E3	*A1	FB43	*A1	JC4	*B4	R22	*A1		
E4	*A4	FB44	*A1	JC5	C3	R23	*A1		
E5	*C1	FB45	*A1	JC6	C3	R24	*A1		



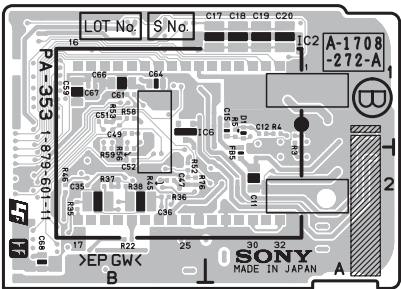
NR-80P -A SIDE-
SUFFIX: -11



NR-80P -B SIDE-
SUFFIX: -11



PA-353P -A SIDE-
SUFFIX: -11



PA-353P -B SIDE-
SUFFIX: -11

NR-80P (1-879-622-11)

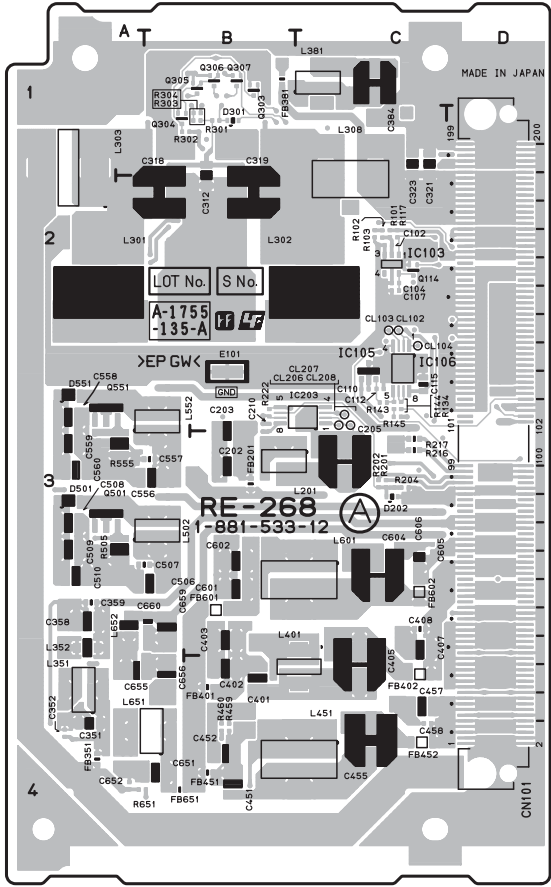
*:B SIDE

C1	A2	C50	A1	C97	B1	IC9	A2	R27	A1	R74	B1	R121	B2
C2	A2	C51	A1	C98	B2	IC10	*A2	R28	*A1	R75	B2	R122	B2
C3	A2	C52	A1	C99	B2	IC11	A1	R29	*A1	R76	*B2	R123	B2
C4	*A2	C53	A1	C100	B2	IC12	*A2	R30	*A1	R77	B1	R124	B2
C5	*A2	C54	A1	C101	B2	IC13	B1	R31	*A1	R78	B1	R125	B2
C8	*A2	C55	A1	C102	A2	IC14	B1	R32	*A1	R79	B1	R126	B2
C9	*A2	C56	A1	C103	*A2	IC15	B1	R33	*A1	R80	B1	R127	B2
C10	*A2	C57	A1	C104	A2	IC16	B1	R34	*A2	R81	*B1	R128	B2
C11	*A2	C58	A1	C105	B2	IC17	*B2	R35	*A1	R82	*B1	R129	B2
C12	B2	C59	*A2	C106	B2	IC18	B2	R36	*A1	R83	*B1	R130	B2
C13	*A1	C60	*A2	C107	B2	IC19	A2	R37	A1	R84	*B1	R131	B2
C14	*A1	C61	*A2	C108	B2	IC20	B2	R38	A1	R85	*B1	R132	B2
C15	*A2	C62	*A2	C109	B2	IC21	B2	R39	A1	R86	*B1	R133	B2
C16	*A2	C63	*A2	C110	B2	IC22	B2	R40	A1	R87	*B1	R134	B2
C17	*A2	C64	*A2	C111	B2	IC23	B2	R41	A1	R88	*B1	R135	B2
C18	A1	C65	*A2	C112	B2	IC24	A2	R42	A1	R89	*B1	R136	B2
C19	A1	C66	A1			IC25	B2	R43	A1	R90	B1	R137	B2
C20	A1	C67	*A1	CL1	A1	IC26	B2	R44	A1	R91	B1	R138	A2
C21	A1	C68	*A2	CL2	A1	IC27	B2	R45	A1	R92	B1	R139	*A2
C22	*A1	C69	A1	CL3	A1			R46	A1	R93	B1	R140	A2
C23	*A2	C70	B1	CL4	A1	L1	*A2	R47	A1	R94	*B1	R141	*A2
C24	*A2	C71	B1	CL5	A1	L2	A1	R48	A1	R95	*B1	R142	B2
C25	*A2	C72	*B1	CL6	A1	L3	A2	R49	A1	R96	*B1	R143	B2
C26	*A1	C73	*B1	CL7	A1			R50	A1	R97	B2	R144	B2
C27	*A2	C74	*B1	CL8	A2	R1	A2	R51	A1	R98	B2	R145	B2
C28	*A2	C75	B2	CL9	A2	R2	A2	R52	A1	R99	B1	R146	B2
C29	*A2	C76	B2			R3	A2	R53	A1	R100	B1	R147	B2
C30	*A2	C77	*A2	CN1	B1	R7	*A2	R54	A1	R101	*B1	R148	B2
C31	*A2	C78	*A2	CN2	B1	R8	*A2	R55	A1	R102	*B1	R149	B2
C32	*A2	C79	*B1			R9	*A2	R56	A1	R103	*B1	R150	B2
C33	*A1	C80	*B1	D1	B1	R10	*A2	R57	A1	R104	*B1	R151	B2
C34	*A2	C81	*B1			R11	*A2	R58	A1	R105	*B1	R152	B2
C35	*A2	C82	B1	ET1	B1	R12	*A2	R59	A1	R106	*B1	R153	B2
C36	*A2	C83	B1	ET2	A2	R13	*A2	R60	A1	R107	*B2	R154	B2
C37	*A1	C84	B1	ET3	B2	R14	A1	R61	A1	R108	B1	R155	B2
C38	*A1	C85	B1	ET4	*B1	R15	A1	R62	A1	R109	B1	R156	B2
C39	*A1	C86	*B2	ET5	*A2	R16	A1	R63	*A2	R110	B1	R157	B2
C40	*A1	C87	*B2	ET6	*B2	R17	A2	R64	A1	R111	B1	R158	B2
C41	*A1	C88	*B2			R18	A2	R65	*B1	R112	B1	R159	B2
C42	A1	C89	B1	FB1	A1	R19	A1	R66	A1	R113	B1	R160	B2
C43	A1	C90	B1			R20	*A2	R67	*A1	R114	A2	R161	B2
C44	A1	C91	A2	IC3	*A2	R21	*A2	R68	A2	R115	*B2	R162	A1
C45	A1	C92	*A2	IC4	A2	R22	B2	R69	A2	R116	A2	R163	B2
C46	A1	C93	A2	IC5	A2	R23	B2	R70	B1	R117	*A2		
C47	A1	C94	B1	IC6	A1	R24	B2	R71	B1	R118	B2		
C48	A1	C95	B2	IC7	A1	R25	B2	R72	*B2	R119	B2		
C49	A1	C96	B2	IC8	A1	R26	A1	R73	B1	R120	B2		

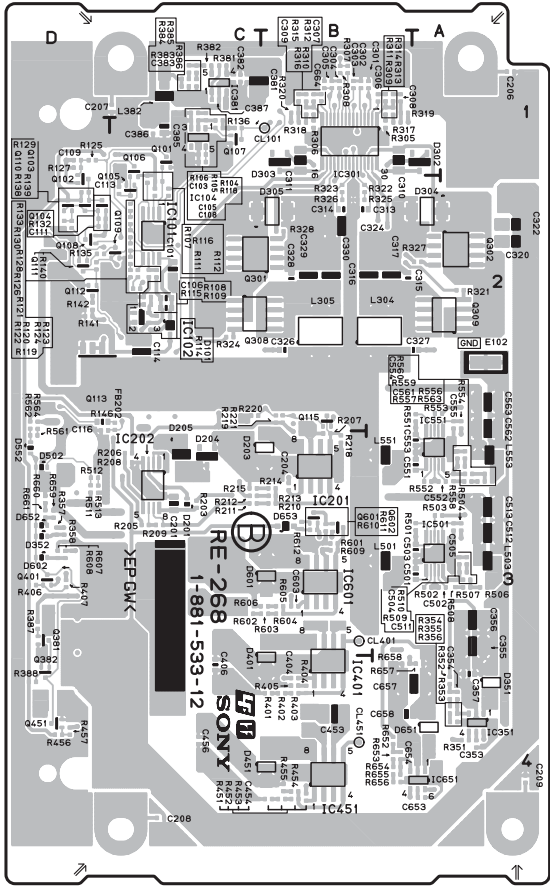
PA-353P (1-879-601-11)

*:B SIDE

C1	A2	C26	B1	C51	*B1	D3	B1	R5	*A1	R30	B2	R55	B2
C2	A2	C27	B1	C52	*B2	D4	B1	R6	A2	R31	B2	R56	*B2
C3	A1	C28	B1	C53	A1	D5	B1	R7	A2	R32	B2	R57	B2
C4	A1	C29	B2	C54	B1			R8	A1	R33	B2	R58	*B1
C5	A1	C30	B2	C55	B1	FB1	A1	R9	A1	R34	B2	R59	*B2
C6	A2	C31	A2	C56	B1	FB2	A2	R10	A1	R35	*B2	R60	B2
C7	A2	C32	B2	C57	B1	FB3	A2	R11	A1	R36	*B2	R61	B2
C8	A2	C33	B2	C58	B1	FB4	A2	R12	A1	R37	*B2	R62	B1
C9	A2	C34	B2	C59	*B1	FB5	*A2	R13	A1	R38	*B2	R63	B1
C10	A2	C35	*B2	C60	B1			R14	A1	R39	B2	R64	B1
C11	*A2	C36	*B2	C61	*B1	IC1	A2	R15	B1	R40	B2	R65	B1
C12	*A1	C37	B2	C62	A1	IC2	*A1	R16	A1	R41	B2	R66	B1
C13	A2	C38	B2	C63	B1	IC3	B2	R17	B1	R42	B2	R67	B1
C14	A2	C39	B2	C64	*B1	IC4	B2	R18	A1	R43	B2	R68	B1
C15	*A1	C40	B2	C65	B1	IC5	B1	R19	A1	R44	B2	R70	B1
C16	A1	C41	B2	C66	*B1	IC6	*B1	R20	B1	R45	*B2	R71	B1
C17	*A1	C42	B2	C67	*B1			R21	B1	R46	*B2	R72	B1
C18	*A1	C43	B2	C68	*B2	LV1	A2	R22	*B2	R47	B2	R73	B1
C19	*A1	C44	B2					R23	B1	R48	B2	R75	B1
C20	*A1	C45	B2	CL1	B1	Q1	A1	R24	B2	R49	B2	R76	*B2
C21	B2	C46	B2					R25	B2	R50	B2	R78	B2
C22	B2	C47	*B2	CN1	B2	R1	A2	R26	B2	R51	A2	R79	B2
C23	B1	C48	B2			R2	A2	R27	B2	R52	*B2	R80	B1
C24	B2	C49	*B1	D1	*A1	R3	*A1	R28	B2	R53	*B1	R81	B2
C25	B2	C50	B2	D2	A1	R4	*A1	R29	B2	R54	B2		



RE-268PT -A SIDE-
SUFFIX: -12

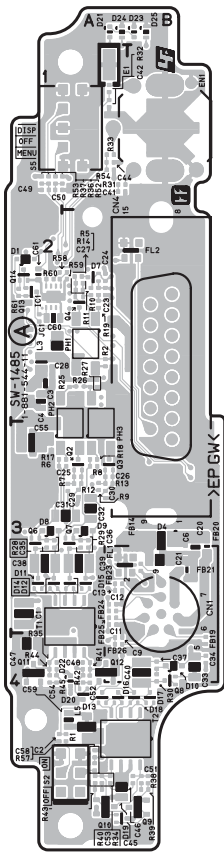


RE-268PT -B SIDE-
SUFFIX: -12

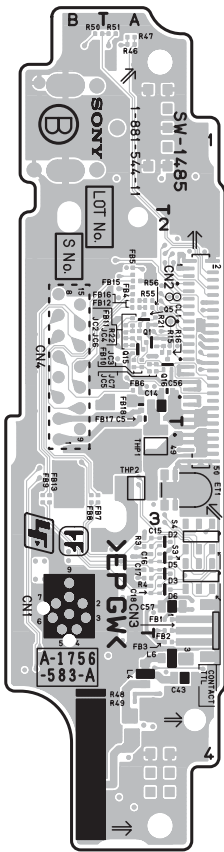
RE-268PT (1-881-533-12)

*:B SIDE

C101	*C2	C357	*A4	C654	*B4	IC103	C2	Q309	*A2	R211	*C3	R406	*D3
C102	C2	C358	A3	C655	A4	IC104	*C1	Q381	*D3	R212	*C3	R407	*D3
C103	*C1	C359	A3	C656	B4	IC105	C2	Q382	*D4	R213	*B3	R451	*B4
C104	C2	C381	*C1	C657	*A4	IC106	C2	Q401	*D3	R214	*B3	R452	*B4
C105	*C1	C382	*C1	C658	*B4	IC201	*B3	Q451	*D4	R215	*C3	R453	*B4
C106	*C2	C383	*C1	C659	B3	IC202	*C3	Q501	A3	R216	C3	R454	*B4
C107	C2	C384	C1	C660	B3	IC203	C2	Q551	A2	R217	C3	R455	*B4
C108	*C1	C385	*C1	C664	*B1	IC301	*B1	Q601	*B3	R218	*B3	R456	*D4
C109	*D1	C386	*C1	CL101	*B1	IC351	*A4	Q602	*B3	R219	*B2	R457	*D4
C110	C2	C387	*C1	CL102	C2	IC381	*C1	R101	C2	R220	*C2	R459	B4
C111	*D2	C401	B4	CL103	C2	IC401	*B4	R102	C2	R221	*B2	R460	B4
C112	C2	C402	B4	CL104	C2	IC451	*B4	R103	C2	R222	B2	R501	*A3
C113	*C2	C403	B3	CL202	*A1	IC501	*A3	R104	*C1	R301	B1	R502	*A3
C114	*C2	C404	*B4	CL203	*C1	IC551	*A3	R105	*C1	R302	B1	R503	*A3
C115	C2	C405	C4	CL204	*C4	IC601	*B3	R106	*C1	R303	B1	R504	*A3
C116	*D2	C406	*C4	CL205	*A4	IC651	*A4	R107	*C2	R304	B1	R505	A3
C201	*C3	C407	C3	CL206	C2	L201	B3	R108	*C2	R305	*B1	R506	*A3
C202	B3	C408	C3	CL207	C2	L301	A2	R109	*C2	R306	*B1	R507	*A3
C203	B3	C451	B4	CL208	C2	L302	C2	R111	*C2	R307	*B1	R508	*A3
C204	*B3	C452	B4	CL401	*B3	L303	A1	R112	*C2	R308	*B1	R509	*A3
C205	C3	C453	*B4	CL451	*B4	L304	*B2	R114	*C2	R309	*B1	R510	*A3
C206	*A1	C454	*B4	CN101	D3	L305	*B2	R115	*C2	R310	*B1	R511	*D3
C207	*C1	C455	C4	D101	*C2	L308	C1	R116	*C2	R311	*B1	R512	*D3
C208	*C4	C456	*C4	D201	*C3	L351	A4	R117	C2	R312	*B1	R513	*D3
C209	*A4	C457	C4	D202	C3	L352	A3	R118	*C1	R313	*B1	R551	*A2
C210	B2	C458	C4	D203	*B3	L381	C1	R119	*C2	R314	*B1	R552	*A3
C301	*B1	C501	*A3	D204	*C3	L382	*C1	R120	*C2	R315	*B1	R553	*A2
C302	*B1	C502	*A3	D205	*C3	L401	C4	R121	*C2	R316	*B1	R554	*A2
C303	*B1	C503	*A3	D301	B1	L451	C4	R122	*C2	R317	*B1	R555	A3
C304	*B1	C504	*A3	D302	*A1	L501	*B3	R123	*C2	R318	*B1	R556	*A3
C305	*B1	C505	*A3	D303	*B1	L502	B3	R124	*C2	R319	*B1	R557	*A3
C306	*B1	C506	B3	D304	*A2	L503	*A3	R125	*D1	R320	*B1	R558	*A3
C307	*B1	C507	A3	D305	*B2	L551	*B3	R126	*C2	R321	*A2	R559	*A3
C308	*B1	C508	A3	D351	*A4	L552	B2	R127	*D1	R322	*B2	R560	*A3
C309	*B1	C509	A3	D352	*D3	L553	*A3	R128	*C2	R323	*B2	R561	*D3
C310	*B1	C510	A3	D401	*B4	L601	C3	R129	*D2	R324	*C2	R562	*D2
C311	*B1	C511	*A3	D451	*B4	L651	B4	R130	*C2	R325	*B2	R563	*A3
C312	B2	C512	*A3	D501	A3	L652	A3	R132	*D2	R326	*B2	R564	*D2
C313	*B2	C513	*A3	D502	*D3	Q101	*C1	R133	*C2	R327	*A2	R601	*B3
C314	*B2	C551	*A3	D551	A2	Q102	*D2	R134	C2	R328	*B2	R602	*C3
C315	*B2	C552	*A3	D552	*D3	Q103	*D2	R135	*D2	R351	*A4	R603	*B3
C316	*B2	C553	*A3	D601	*B3	Q104	*D2	R136	*C1	R352	*A4	R604	*B3
C317	*B2	C554	*A3	D602	*D3	Q105	*C2	R138	*D2	R353	*A4	R605	*B3
C318	B2	C555	*A2	D651	*A4	Q106	*C1	R139	*D2	R354	*A4	R606	*B3
C319	B2	C556	B3	D652	*D3	Q107	*C1	R140	*D2	R355	*A4	R607	*D3
C320	*A2	C557	B3	D653	*B3	Q108	*D2	R141	*D2	R356	*A4	R608	*D3
C321	C1	C558	A2	E101	B2	Q109	*C2	R142	*D2	R357	*D3	R609	*B3
C322	*A2	C559	A3	E102	*A2	Q110	*D2	R143	C2	R358	*D3	R610	*B3
C323	C1	C560	A3	FB201	B3	Q111	*D2	R144	C2	R381	*C1	R611	*B3
C324	*B2	C561	*A3	FB202	*C2	Q112	*D2	R145	C2	R382	*C1	R612	*B3
C326	*B2	C562	*A2	FB351	A4	Q113	*D2	R146	*D2	R383	*C1	R651	A4
C327	*A2	C563	*A2	FB381	B1	Q114	C2	R201	C3	R384	*C1	R652	*B4
C328	*B2	C601	B3	FB401	B4	Q115	*B2	R202	C3	R385	*C1	R653	*B4
C329	*B2	C602	B3	FB402	C4	Q301	*C2	R203	*C3	R386	*C1	R654	*B4
C330	*B2	C603	*B3	FB451	B4	Q302	*A2	R204	C3	R387	*D3	R655	*B4
C351	A4	C604	C3	FB452	C4	Q303	B1	R205	*C3	R388	*D4	R656	*B4
C352	A4	C605	C3	FB601	B3	Q304	B1	R206	*C3	R401	*B4	R657	*A4
C353	*A4	C606	C3	FB602	C3	Q305	B1	R207	*B3	R402	*B4	R658	*B4
C354	*A4	C651	B4	FB651	B4	Q306	B1	R208	*C3	R403	*B4	R659	*D3
C355	*A3	C652	A4	IC101	*C2	Q307	B1	R209	*C3	R404	*B4	R660	*D3
C356	*A3	C653	*A4	IC102	*C2	Q308	*C2	R210	*B3	R405	*B4	R661	*D3



SW-1485 -A SIDE-
SUFFIX: -11

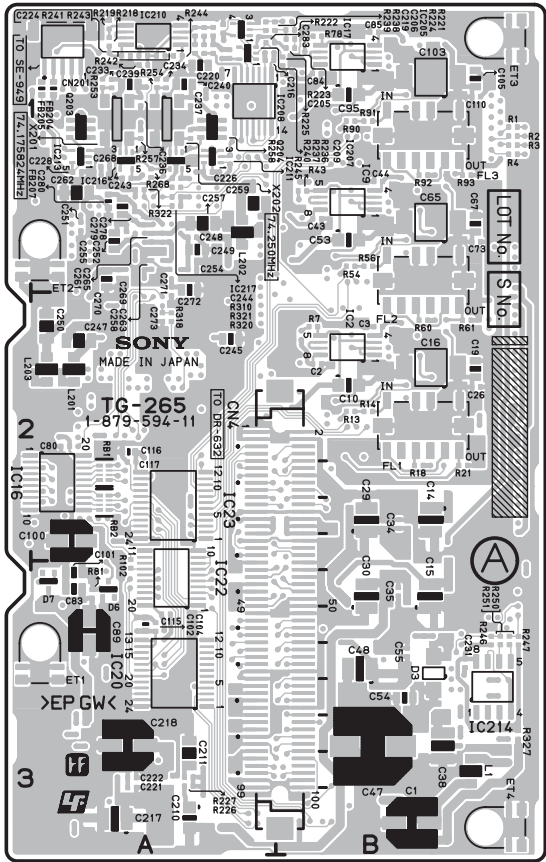


SW-1485 -B SIDE-
SUFFIX: -11

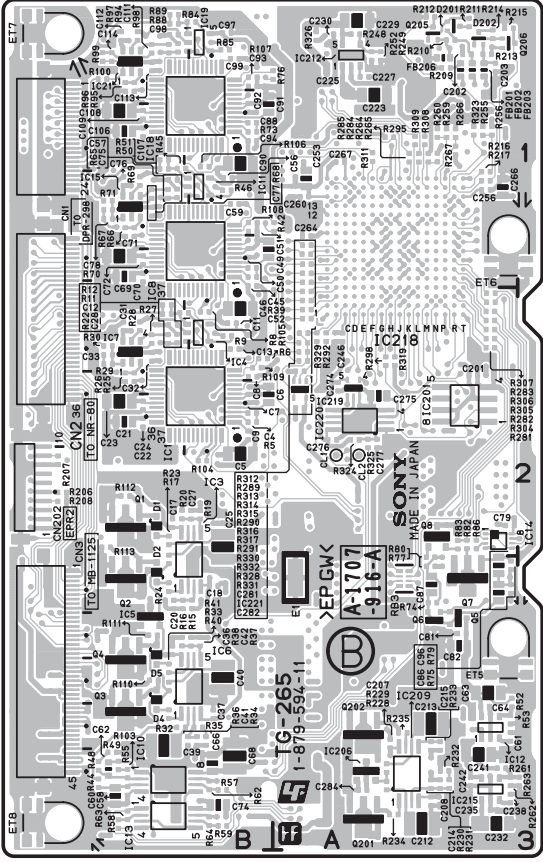
SW-1485 (1-881-544-11)

*:B SIDE

C1	A3	D1	A2	JC6	*A2	R40	A4
C2	A4	D2	*A3	JC7	*A2	R41	A4
C3	A2	D3	*A3	L3	A2	R42	A4
C4	A2	D4	B3	L4	*A4	R43	A4
C5	*A2	D5	*A3	L5	A4	R44	A4
C6	B3	D6	*A3	L6	*A4	R45	A4
C9	A4	D7	A2	PH1	A2	R46	*A1
C11	A3	D8	A3	PH2	A3	R47	*A1
C12	A3	D9	A3	PH3	A3	R48	*A4
C13	A3	D10	B4	Q1	*A2	R49	*A4
C14	*A2	D11	A3	Q2	A3	R50	*B1
C15	*A3	D12	A3	Q3	A3	R51	*A1
C16	*A3	D13	A4	Q4	A2	R52	A1
C17	*A3	D14	A3	Q5	*A2	R53	A1
C18	*A3	D15	A3	Q6	A3	R54	A1
C20	B3	D16	A4	Q7	A3	R55	*A2
C21	B3	D17	B4	Q8	B4	R56	*A2
C23	A2	D18	B4	Q9	B4	R57	A4
C24	A2	D19	A4	Q10	A4	R58	A2
C25	A3	D20	A4	Q11	A4	R59	A2
C26	A3	D21	A1	Q12	A4	R60	A2
C27	A2	D22	A4	Q13	A2	R61	A2
C28	A2	D23	B1	Q14	A2	S2	A4
C29	A3	D24	A1	Q15	*A2	S3	*A3
C30	A3	D25	B1	Q16	*A2	S4	*A3
C31	A3	E1	A1	R1	A4	S5	A1
C32	A3	EN1	B1	R2	A2	T1	A3
C33	B4	ET1	*A3	R3	*A3	T2	A4
C34	B4	FB1	*A3	R4	*A3	THP1	*A3
C35	A3	FB2	*A3	R5	A2	THP2	*A3
C36	A3	FB3	*A4	R6	A3		
C37	B4	FB4	*A2	R7	A3		
C38	A3	FB5	*A2	R8	A3		
C39	A3	FB6	*A2	R9	A3		
C40	B4	FB7	*B3	R10	A2		
C41	A1	FB8	*B3	R11	A2		
C42	A1	FB9	*B3	R12	A3		
C43	*A4	FB10	*A2	R13	A3		
C44	A1	FB11	*A2	R14	A2		
C45	A4	FB12	*A2	R15	*A2		
C46	B4	FB13	*B3	R16	*A2		
C47	A4	FB14	B3	R17	A3		
C48	A4	FB15	*A2	R18	A3		
C49	A1	FB16	*A2	R19	A2		
C50	A1	FB17	*A2	R21	*A2		
C51	B4	FB18	*A2	R22	*A2		
C52	A4	FB19	B4	R25	A2		
C53	A4	FB20	B3	R26	A2		
C54	A4	FB21	B3	R27	A2		
C55	A3	FB23	A3	R28	A3		
C56	*A2	FB24	A3	R29	A3		
C57	*A3	FB25	A3	R30	B4		
C58	A4	FB26	A4	R31	A1		
C59	A4	FL1	A3	R32	A1		
C60	A2	FL2	B2	R33	A1		
C61	A2	IC1	A2	R34	A4		
CL1	*A2	JC1	A2	R35	A4		
CN1	B3	JC2	*A2	R36	A1		
CN2	*A2	JC3	*A2	R37	A1		
CN3	*A3	JC4	*A2	R38	B4		
CN4	B2	JC5	*A2	R39	B4		



TG-265PT -A SIDE-
SUFFIX: -11



TG-265PT -B SIDE-
SUFFIX: -11

TG-265PT (1-879-594-11)

*:B SIDE

C1	B3	C44	B1	C87	*A3	C214	*A3	C257	A1	D5	*B3	IC15	*B1	Q203	A1	R41	*B3	R86	*A2	R224	A1	R267	*A1	RB1	A2
C2	B2	C45	*B1	C88	*B1	C215	*A3	C258	A1	D6	A3	IC16	A2	Q204	A1	R42	*A1	R88	*B1	R225	B1	R268	A1	RB2	A2
C3	B2	C46	*B2	C89	A3	C216	A1	C259	A1	D7	A3	IC17	B1	Q205	*A1	R43	B1	R89	*B1	R226	A3	R281	*A2	RB3	*A3
C4	*B2	C47	B3	C90	*B1	C217	A3	C260	*A1	D201	*A1	IC18	*B1	Q206	*A1	R44	*B3	R90	B1	R227	A3	R282	*A2		
C5	*B2	C48	B3	C91	*B1	C218	A3	C261	A1	D202	*A1	IC19	*B1			R45	*B1	R91	B1	R228	*A3	R283	*A2	X201	A1
C6	*B2	C49	*B1	C92	*B1	C219	A1	C262	A1			IC20	A3	R1	B1	R46	*B1	R92	B1	R229	*A3	R284	*A1	X202	A1
C7	*B2	C50	*B1	C93	*B1	C220	A1	C263	A1	E1	*A3	IC21	*B1	R2	B1	R48	*B3	R93	B1	R230	*A3	R285	*A1		
C8	*B2	C51	*B1	C94	*B1	C221	A3	C264	*A1			IC22	A3	R3	B1	R49	*B3	R94	*B1	R231	*A3	R289	*A1		
C9	*B2	C52	*B1	C95	B1	C222	A3	C265	A1	ET1	A3	IC23	A2	R4	B1	R50	*B1	R95	*B1	R232	*A3	R290	*A2		
C10	B2	C53	B1	C96	*A3	C223	*A1	C266	*A1	ET2	A1	IC201	*A2	R5	*B2	R51	*B1	R96	*B1	R233	*A3	R291	*A2		
C11	*B2	C54	B3	C97	*B1	C224	A1	C267	*A1	ET3	B1	IC205	A1	R6	*B2	R52	*A3	R97	*B1	R234	*A3	R292	*A2		
C12	*B2	C55	B3	C98	*B1	C225	*A1	C268	A1	ET4	B3	IC206	*A3	R7	B2	R53	*A3	R98	*B1	R235	*A3	R295	*A1		
C13	*B2	C56	*B1	C99	*B1	C226	A1	C269	A1	ET5	*A3	IC207	A1	R8	*B2	R54	B1	R99	*B1	R236	A1	R298	*A2		
C14	B2	C57	*B1	C100	A2	C227	*A1	C270	A1	ET6	*A1	IC208	A1	R9	*B2	R55	*B3	R100	*B1	R237	A1	R304	*A2		
C15	B3	C58	*B3	C101	A3	C228	A1	C271	A1	ET7	*B1	IC209	*A3	R11	*B2	R56	B1	R102	A3	R238	A1	R305	*A2		
C16	B2	C59	*B1	C102	A3	C229	*A1	C272	A1	ET8	*B3	IC210	A1	R12	*B2	R57	*B3	R103	*B3	R239	A1	R306	*A2		
C17	*B2	C60	*B3	C103	B1	C230	*A1	C273	A2			IC211	A1	R13	B2	R58	*B3	R104	*B2	R240	A1	R307	*A2		
C18	*B3	C61	*A3	C104	A3	C231	B3	C274	*A2	FB201	*A1	IC212	*A1	R14	B2	R59	*B3	R105	*B2	R241	A1	R308	*A1		
C19	B2	C62	*B3	C105	B1	C232	*A3	C275	*A2	FB202	*A1	IC213	A1	R15	*B3	R60	B2	R106	*B1	R242	A1	R309	*A1		
C20	*B3	C63	*A3	C106	*B1	C233	A1	C276	*A2	FB203	*A1	IC214	B3	R16	*B3	R61	B2	R107	*B1	R243	A1	R310	A1		
C21	*B2	C64	*A3	C107	*B1	C234	A1	C277	*A2	FB204	A1	IC215	*A3	R17	*B3	R62	*B3	R108	*B1	R244	A1	R311	*A1		
C22	*B2	C65	B1	C108	*B1	C235	*A3	C278	A1	FB205	A1	IC216	A1	R18	B2	R63	*B3	R109	*B2	R245	A1	R312	*A1		
C23	*B2	C66	*B3	C109	*B1	C236	A1	C279	A1	FB206	*A1	IC217	A1	R19	*B2	R64	*B3	R110	*B3	R246	B3	R313	*A1		
C24	*B2	C67	B1	C110	B1	C237	A1	C280	A1	FB207	A1	IC218	*A1	R20	*B2	R65	*B1	R111	*B3	R247	B3	R314	*A1		
C25	*B2	C68	*B3	C111	*B1	C238	*A3	C281	*A2			IC219	*A2	R21	B2	R66	*B1	R112	*B2	R248	*A1	R315	*A1		
C26	B2	C69	*B1	C112	*B1	C239	A1	C282	*A2	FL1	B2	IC220	*A2	R22	*B2	R67	*B1	R113	*B2	R249	*A1	R316	*A2		
C27	*B2	C70	*B1	C113	*B1	C240	A1	C283	A1	FL2	B1	IC221	*A2	R23	*B2	R68	*B1	R206	*B2	R250	B3	R317	*A2		
C28	*B2	C71	*B1	C114	*B1	C241	*A3	C284	*A3	FL3	B1			R24	*B3	R69	*B1	R207	*B2	R251	B3	R318	A2		
C29	B2	C72	*B1	C115	A3	C242	*A3					L1	B3	R25	*B2	R70	*B1	R208	*B2	R252	*A1	R319	*A2		
C30	B3	C73	B1	C116	A2	C243	A1	CL1	*A2	IC1	*B2	L201	A2	R26	*B2	R71	*B1	R209	*A1	R253	A1	R320	A1		
C31	*B2	C74	*B3	C117	A2	C244	A1	CL2	*A2	IC2	B2	L202	A1	R27	*B2	R73	*B1	R210	*A1	R254	A1	R321	A1		
C32	*B2	C75	*B1	C201	*A2	C245	A2			IC3	B3	L203	A2	R28	*B2	R74	*A3	R211	*A1	R255	*A1	R322	A1		
C33	*B2	C76	*B1	C202	*A1	C246	*A2	CN1	*B1	IC4	*B2			R29	*B2	R75	*A3	R212	*A1	R256	*A1	R323	*A1		
C34	B2	C77	*B1	C203	*A1	C247	A2	CN2	*B2	IC5	*B3	Q1	*B2	R30	*B2	R76	*A1	R213	*A1	R257	A1	R324	*A2		
C35	B3	C78	*B1	C205	B1	C248	A1	CN3	*B3	IC6	*B3	Q2	*B3	R32	*B3	R77	*A3	R214	*A1	R258	A1	R325	*A2		
C36	*B3	C79	*A2	C206	A1	C249	A1	CN4	B3	IC7	*B2	Q3	*B3	R33	*B3	R78	B1	R215	*A1	R259	*A1	R326	*A1		
C37	*B3	C80	A2	C207	*A3	C250	A2	CN201	A1	IC8	*B1	Q4	*B3	R34	*B3	R79	*A3	R216	*A1	R260	*A1	R327	B3		
C38	B3	C81	*A3	C208	*A3	C251	A1	CN202	*B2	IC9	B1	Q5	*A3	R35	*B3	R80	*A3	R217	*A1	R261	*A3	R328	*A2		
C39	*B3	C82	*A3	C209	A1	C252	A1			IC10	*B3	Q6	*A3	R36	*B3	R81	A3	R218	A1	R262	*A3	R329	*A2		
C40	*B3	C83	A3	C210	A3	C253	*A1	D1	*B2	IC11	*B1	Q7	*A3	R37	*B3	R82	*A2	R219	A1	R263	*A3	R330	*A2		
C41	*B3	C84	B1	C211	A3	C254	A1	D2	*B3	IC12	*A3	Q8	*A2	R38	*B3	R83	*A2	R221	A1	R264	*A1	R331	*A2		
C42	*B3	C85	B1	C212	*A3	C255	A1	D3	B3	IC13	*B3	Q201	*A3	R39	*B1	R84	*B1	R222	B1	R265	*A1	R332	*A2		
C43	B1	C86	*A3	C213	*A3	C256	*A1	D4	*B3	IC14	*A2	Q202	*A3	R40	*B3	R85	*B1	R223	B1	R266	*A1				

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

