

SONY®

HD CAMERA CONTROL UNIT

HXCU-D70

HDMI

SERVICE MANUAL

1st Edition

警告

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

WARNING

This manual is intended for qualified service personnel only.

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

WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegebenen 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があるコネクタを以下のポートに接続しないでください。

: 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 ports(s).

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 rec-
ommended 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 incor-
rect 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

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

注意

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

For kundene i Norge

Dette utstyret kan kobles til et IT-strømfordelingssystem.

Attention-when the product is installed in Rack:

1. Prevention against overloading of branch circuit

When this product is installed in a rack and is supplied power from an outlet on the rack, please make sure that the rack does not overload the supply circuit.

2. Providing protective earth

When this product is installed in a rack and is supplied power from an outlet on the rack, please confirm that the outlet is provided with a suitable protective earth connection.

3. Internal air ambient temperature of the rack

When this product is installed in a rack, please make sure that the internal air ambient temperature of the rack is within the specified limit of this product.

4. Prevention against achieving hazardous condition due to uneven mechanical loading

When this product is installed in a rack, please make sure that the rack does not achieve hazardous condition due to uneven mechanical loading.

5. Install the equipment while taking the operating temperature of the equipment into consideration

For the operating temperature of the equipment, refer to the specifications of the Operation Manual.

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Manual Structure

Purpose of this manual

This manual is the service manual for HD Camera Control Unit HXCU-D70.

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

Related manuals

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

- HXCU-D70 Operating Instructions (Supplied with HXCU-D70)
This manual is necessary for application and operation of HXCU-D70.
- HXCU-D70 Operating Instructions CD-ROM (Supplied with HXCU-D70)
This manual is necessary for application and operation of HXCU-D70.
The CD-ROM contains the English, French, German, Italian, and Spanish operating instructions (PDF).

Trademarks

Trademarks and registered trademarks used in this manual are follows.

- FRAM is a registered trademark of Ramtron International Corporation.

Section 1

Installation

1-1. Recommended Power Cord

This unit does not come with a power cord.

To get a power cord, please contact your local Sony Sales Office/Service Center.

WARNING

- Use the approved Power Cord (3-core mains lead)/Appliance Connector/Plug with earthing-contacts that conforms to the safety regulations of each country if applicable.
- Use the Power Cord (3-core mains lead)/Appliance Connector/Plug conforming to the proper ratings (Voltage, Ampere).

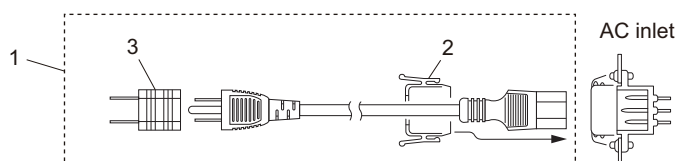
If you have questions on the use of the above Power Cord/Appliance Connector/Plug, please contact your local Sony Sales Office/Service Center.

WARNING

Never use an injured power cord.

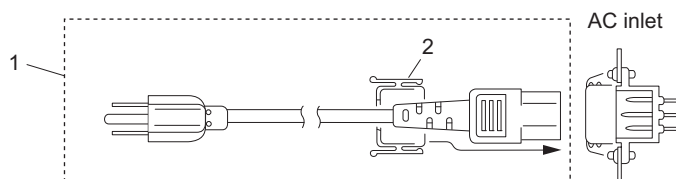
For customers in the Japan:

1. Power cord set: 1-791-041-XX
2. Plug holder B: 2-990-242-01
3. Conversion plug (3P-2P): 1-793-461-XX



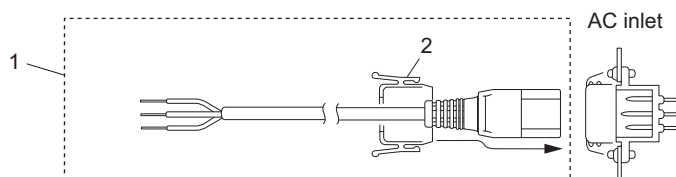
For customers in the U.S.A. and Canada:

1. Power cord set: 1-551-812-XX
2. Plug holder B: 2-990-242-01



For customers in European countries:

1. Power cord set: 1-782-929-XX
2. Plug holder C: 3-613-640-01



If the unit is used in the area except above, please contact your local Sony Sales Office/Service Center.

1-2. Connectors and Cables

1-2-1. Connector Input/Output Signals

Input Signals

1. BNC

Name	Description
REFERENCE	HD or SD HD: SMPTE 274M, 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
VBS RETURN 1, 2	Analog composite signals: 1.0 V p-p, 75 Ω
PROMPTER	Analog composite signals: 1.0 V p-p, 75 Ω

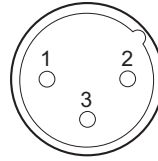
Output Signals

2. BNC

Name	Description
SDI OUTPUT 1 to 4	HD SDI: SMPTE 292M, 0.8 V p-p, 75 Ω , 1.485 Gbps/1.4835 Gbps BTA-S004B compliant SD SDI: SMPTE 259M, 0.8 V p-p, 75 Ω , 270 Mbps Component serial signal HD SDI or SD SDI selectable Note Signals of connector 1 and connector 2 are the same, and signals of connector 3 and connector 4 are the same.
VBS 1, 2	1.0 V p-p, 75 Ω
Pr/R/R-Y, Y/G/Y, Pb/B/B-Y	HD component video Y/Pb/Pr: 0.7 V p-p, 75 Ω HD RGB video R/G/B: 0.7 V p-p, 75 Ω SD RGB video R/G/B: 0.7 V p-p, 75 Ω SD component video (NTSC, 75 % color-bar) Y: 1.0 V p-p (VIDEO:0.714 V, SYNC:0.286 V), 75 Ω R-Y/B-Y: 0.756 V p-p, 75 Ω (J)/0.7 V p-p, 75 Ω (UC) SD component (PAL, 75 % color-bar) Y: 1.0 V p-p (VIDEO:0.7 V, SYNC: 0.3 V), 75 Ω R-Y/B-Y: 0.525 V p-p, 75 Ω
PIX	VBS 1.0 V p-p, 75 Ω
SYNC	HD: BTA-S001A, tri-level sync, 0.6 V p-p, 75 Ω SD: composite sync, 0.3 V p-p, 75 Ω HD SYNC/SD SYNC selectable

3. AUDIO OUTPUT CH-1, CH-2

XLR 3-pin, Male



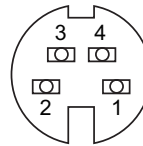
- External View -

(0 dBu = 0.775 Vrms)

No.	Signal	Specifications
1	AUDIO OUT (G)	+4, 0, -20 dBu (Selectable with CCU Menu)
2	AUDIO OUT (X)	
3	AUDIO OUT (Y)	

4. S VIDEO OUTPUT

4-pin, Female

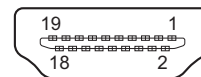


- External View -

No.	Signal	Specifications
1	Y OUT (G)	GND for Y OUT (X)
2	C OUT (G)	GND for C OUT (X)
3	Y OUT (X)	Y = 1.0 V p-p ± 10 % Z _o = 75 Ω ± 5 % DC = 0 ± 200 mV
4	C OUT (X)	C = 0.286 V p-p ± 10 % (NTSC) C = 0.300 V p-p ± 10 % (PAL) Z _o = 75 Ω ± 5 % DC = 0 ± 200 mV

5. HDMI OUTPUT

19-pin, Type A



- External View -

No.	Signal	Specifications
1	TMDS DATA2+	OUT
2	TMDS DATA2 SHIELD	—
3	TMDS DATA2-	OUT
4	TMDS DATA1+	OUT
5	TMDS DATA1 SHIELD	—
6	TMDS DATA1-	OUT

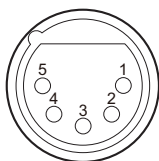
Continued

No.	Signal	Specifications
7	TMDS DATA0+	OUT
8	TMDS DATA0 SHIELD	—
9	TMDS DATA0-	OUT
10	TMDS CLOCK+	OUT
11	TMDS CLOCK SHIELD	—
12	TMDS CLOCK-	OUT
13	CEC (N.C.)	—
14	RESERVED (N.C.)	—
15	SCL OUT	OUT
16	SDA	I/O
17	DDC/CEC GND	—
18	+ 5 V POWER	OUT
19	HPD	IN

Input/Output Signals

6. INTERCOM

XLR 5-pin, Female



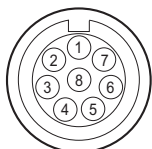
- External View -

(0 dBu = 0.775 V rms)

No.	Signal	Specifications
1	INTERCOM MIC IN (Y)	-20 dBu (CARBON UNBALANCE)
2	INTERCOM MIC IN (X)	-40 dBu (ECM, UNBALANCE) -60 dBu (DYNAMIC, BALANCE/ UNBALANCE)
3	GND	GND for INTERCOM
4	INTERCOM L OUT	8 dBu (VR Max, 250 Ω Load)
5	INTERCOM R OUT	8 dBu (VR Max, 250 Ω Load)

7. REMOTE

8-pin, Female

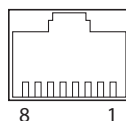


- External View -

No.	Signal	Specifications
1	TX (+)	SERIAL DATA OUT
2	TX (-)	
3	RX (+)	SERIAL DATA IN
4	RX (-)	
5	TX GND	GND for TX
6	POWER (+) OUT	RCP POWER, +15 V
7	POWER (-) OUT	GND for POWER
8	VIDEO (X)	1.0 V p-p, 75 Ω

8. LAN

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

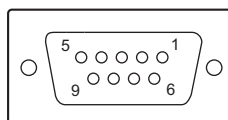


- External View -

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

9. TRUNK

D-sub 9-pin, Female, RS-232C

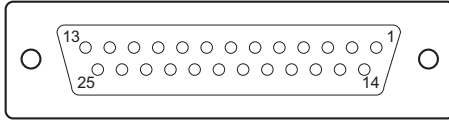


- External View -

No.	Signal	Specifications
1	NC	No connection
2	RX (-)	TRUNK Data in
3	TX (+)	TRUNK Data out
4	NC	No connection
5	GND	
6	NC	No connection
7	NC	No connection
8	NC	No connection
9	NC	No connection

10. INTERCOM/TALLY/PGM

D-sub 25-pin, Female



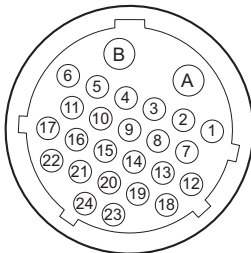
- External View -
(0 dBu = 0.775 Vrms)

No.	Signal	Specifications
1	ENG (R) (X) OUT ^{*1}	ENG SYSTEM RECEIVE 0 dBu BALANCED
2	ENG (R) (Y) OUT	
3	ENG (G) ^{*1}	GND for ENG
4	ENG (T) (X) IN	ENG SYSTEM TALK 0 dBu BALANCED
5	ENG (T) (Y) IN	
6	PGM1 (X) IN	-20 dBu/0 dBu/+ 4 dBu (Selectable with CCU Menu)
7	PGM1 (Y) IN	
8	PGM1 (G) IN	
9	GND	GND for AUX
10	PREVIEW OUT	OPEN COLLECTOR (Max 30 mA)
11	R TALLY (X) IN	ON : SHORT OFF : OPEN
12	R TALLY (Y) IN	
13	GND	CHASSIS GND
14	PROD (R) (X) OUT ^{*1}	PROD SYSTEM RECEIVE 0 dBu BALANCED
15	PROD (R) (Y) OUT	
16	PROD (G) ^{*1}	GND for PROD
17	PROD (T) (X) IN	PROD SYSTEM TALK 0 dBu BALANCED
18	PROD (T) (Y) IN	
19	NC	No connection
20	NC	No connection
21	GND	
22	R TALLY OUT	OPEN COLLECTOR (Max 30 mA)
23	G TALLY OUT	
24	G TALLY (X) IN	ON : SHORT OFF : OPEN
25	G TALLY (Y) IN	

No.	Signal	Specifications
1	S DATA1 (X) IN	Zi = 75 Ω, 800 mV p-p
2	S DATA1 (G)	GND for S DATA1
3	S DATA2 IN (G)	GND for S DATA2
4	S DATA2 (X) IN	Zi = 75 Ω, 800 mV p-p
5	S DATA3 (X) IN	Zi = 75 Ω, 800 mV p-p
6	S DATA3 (G)	GND for S DATA3
7	S DATA4 (X) IN	Zi = 75 Ω, 800 mV p-p
8	S DATA4 (G)	GND for S DATA4
9	CCU SERIAL D (X) OUT	3.3 V p-p, 560 kbps
10	CCU SERIAL D (Y) OUT	
11	CCU SERIAL D (G)	GND for CCU SERIAL D
12	NC	No connection
13	H REF OUT (X)	—
14	HDCCU CONNECT	GND for 220 Ω
15	SENSE IN	—
16	RET OUT (G)	GND for RET OUT
17	INCOM IN/OUT (G)	GND for INCOM IN/OUT
18	PROMPT OUT (X)	Zo = 75 Ω
19	PROMPT OUT (G)	GND for PROMPT OUT
20	TRUNK (CCU) OUT	—
21	RET OUT (X)	Zo = 75 Ω
22	STD/OPT SEL OUT	Hi (5V) : OPTION Zo = 1 kΩ Low : STD
23	INCOM I/O (X)	Z = 600 Ω BAL
24	INCOM I/O (Y)	
A	UNREG DC (CCZ) OUT	DC 17 to 30 V max : 4.2 A
B	UNREG DC (G)	GND for UNREG

11. CAMERA

26-pin, Female

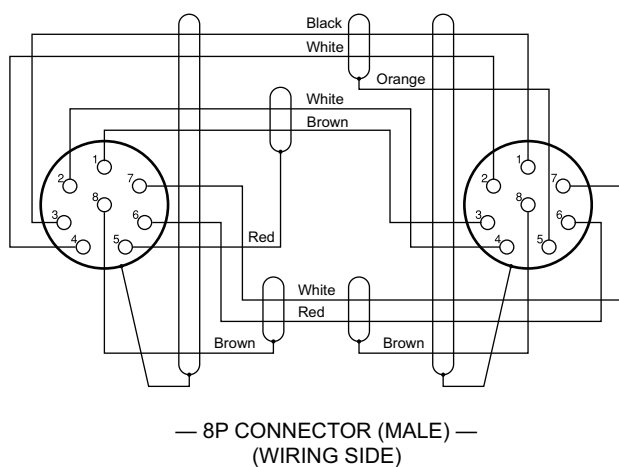


- External View -

*1: When the intercom system is set to Clear-Com or RTS, (X) and (G) become input/output pins.

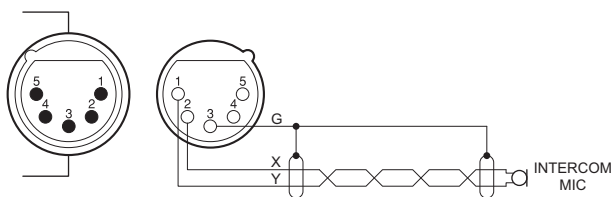
1-2-2. Wiring Diagrams for Cables

CCA-5 Cable (for REMOTE connector)

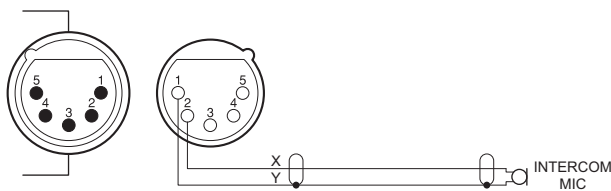


INTERCOM MIC Cable

1. Balance (BALANCE in MIC TYPE menu)



2. Unbalance (UNBALANCE in MIC TYPE menu)



Connector Name	Connector/Cable
PROMPTER REFERENCE, SYNC VBS 1,2 PIX Pr/R/R-Y, Y/G/Y, Pb/B/B-Y VBS RETURN 1, 2 (BNC)	1-564-742-11 PLUG, BNC or B-B Cable assembly (1.5 m, optional)
SDI OUTPUT 1 to 4 (BNC)	1-569-370-12 PLUG, BNC or 5C-FB coaxial cable (Fujikura products recommended)
AUDIO OUTPUT 1, 2 (3P, Male)	1-508-083-00 XLR 3P Female or CANNON XLR-3-11C equivalent
INTERCOM/TALLY/PGM (D-sub 25P, Female)	1-766-367-11 D-sub 25P, Male JAE DB-25PF-N equivalent (Available shell: JAE DB-C2-J9-R equivalent)
REMOTE (8P, Female)	1-766-848-11 PLUG, 8P Male or CCA Cable assembly (optional) CCA-5-10 (10 m), CCA-5-3 (3 m)
INTERCOM (5P, Female)	1-508-370-11 XLR 5P, Male or CANNON XLR-5-12C equivalent
TRUNK (D-sub 9P, Female)	1-568-182-11 D-sub 9P, Male or JAE DE-9PF-N equivalent (Available shell: JAE DE-C1-J6-R equivalent)
LAN (8P, RJ-45)	LAN cable (commercially available, shield type, category 5 or higher)

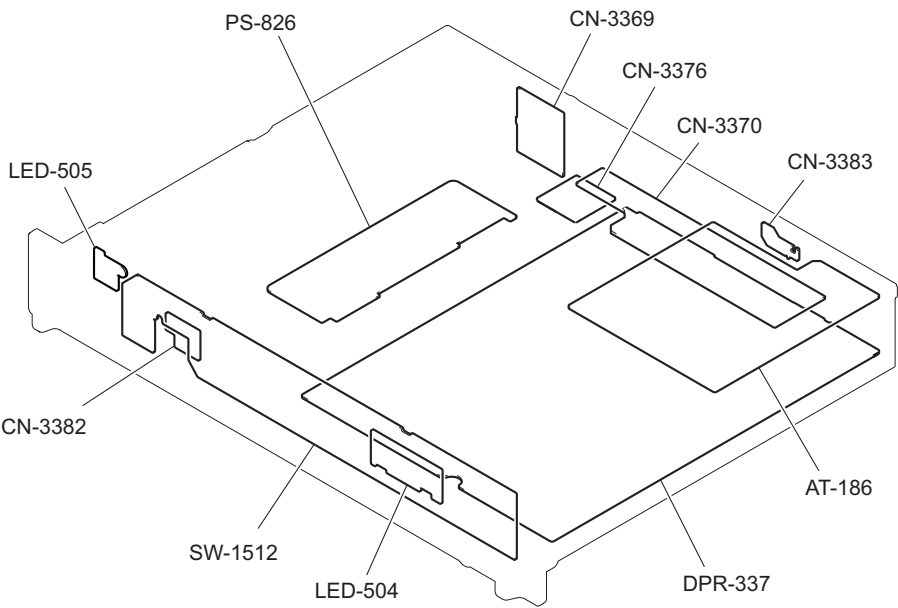
1-2-3. Connection Connectors/Cables

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

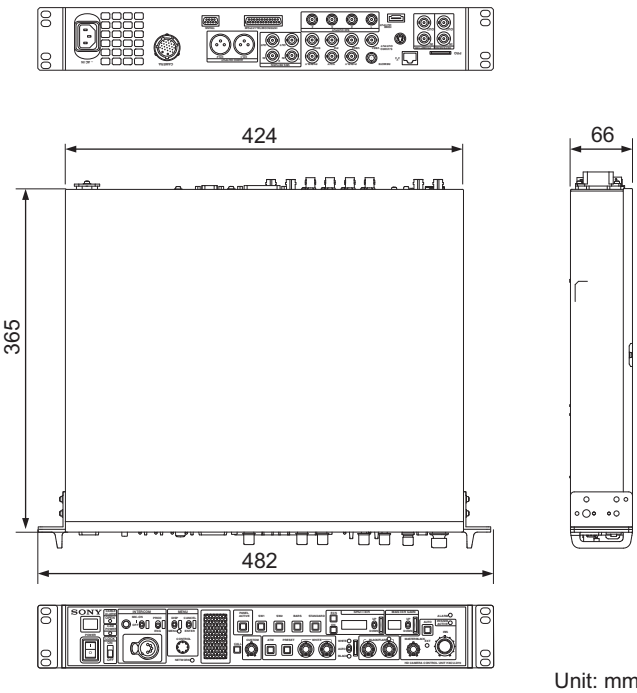
Connector Name	Connector/Cable
CAMERA (CCZ)	CCZ-A5/10/25/50/100 Cable

Continued

1-3. Location of Printed Circuit Boards



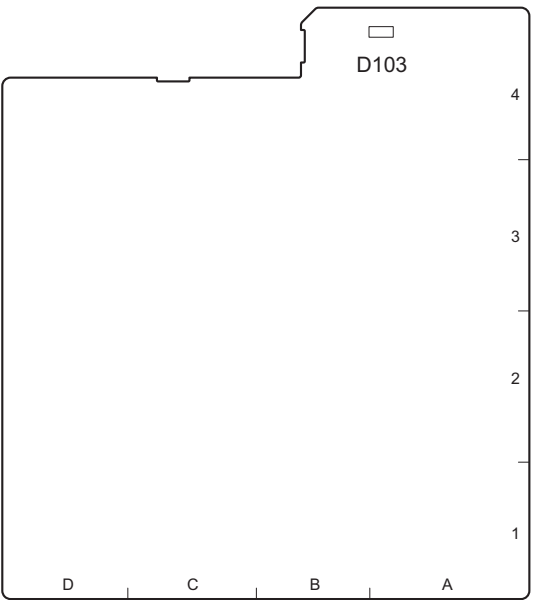
1-4. Outside Dimensions



1-5. Functions of Onboard Parts

1-5-1. Description of Onboard LED Indicators

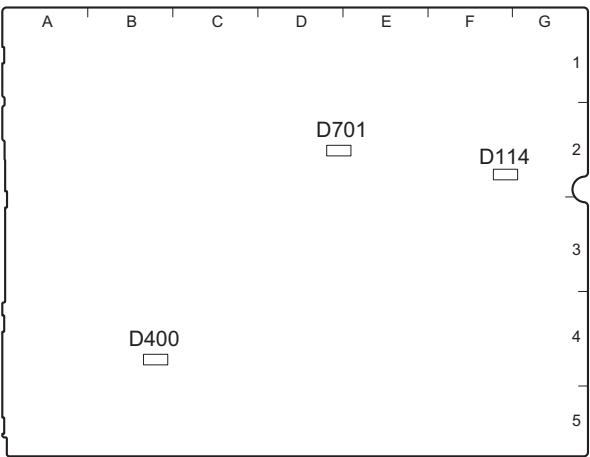
AT-186 board



AT-186 board (Side A)

Ref.No.	Name	Color	Description	Normal state
D103	MS-LED	Red/Green	Indicates state of access to the memory stick Lit red: Access to the memory stick in progress. Do not remove the memory stick. Lit green: The inserted memory stick can be removed.	—

DPR-337 board



DPR-337 board (Side A)

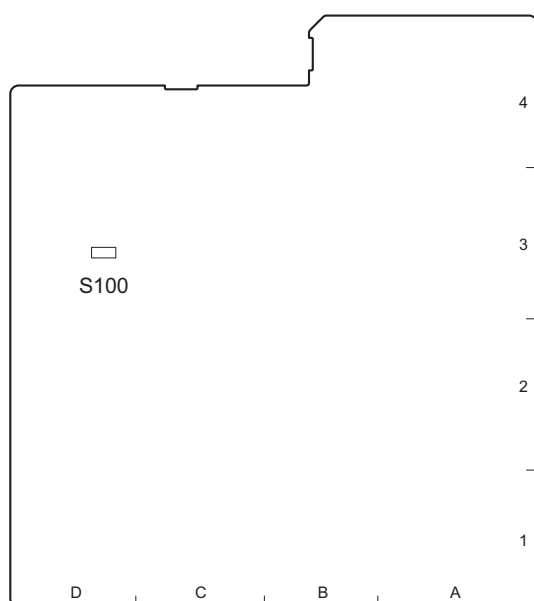
Ref.No.	Name	Color	Description	Normal state
D114	PWR	Green	Lights when all power voltages on the DPR-337 board are normal.	Lit
D400	CONF DONE	Red	Lights when there is a problem with the configuration of any FPGA (IC400) on the DPR-337 board.	Off
D701	CONF DONE	Red	Lights when there is a problem with the configuration of any FPGA (IC600, IC900, or IC2300) on the DPR-337 board.	Off

1-5-2. Functions of Onboard Switches

Note

Do not change the settings of unused switches.

AT-186 board



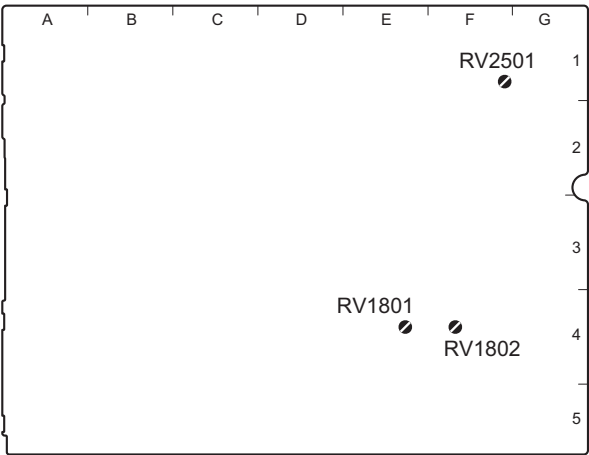
AT-186 board (Side A)

Ref.No.	Name	Bit	Description	Factory setting
S100	VerUp	1	Used to enable software upgrade using a memory stick.	OFF ^{*1}
	PLD VerUp	2	Used to enable PLD upgrade using a memory stick.	OFF ^{*1}
	NORMAL/DEBUG	3	Not used	OFF
	NORMAL/DEBUG	4	Not used	OFF

*1: When this switch is set to ON, the software is automatically upgraded during the power-on process of the CCU.

1-5-3. Potentiometer Functions

DPR-337 board



DPR-337 board (Side A)

Ref.No.	Name	Description
RV1801	PROD RTS CANCEL	Adjusts sidetone cancellation amount of the producer line when RTS or Clear-Com is connected.
RV1802	ENG RTS CANCEL	Adjusts sidetone cancellation amount of the engineer line when RTS or Clear-Com is connected.
RV2501	27M FREQ	Adjusts free-running oscillation frequency of 27M-VCO (X2501) for read-justment required when it is replaced.

1-6. Mounting the Unit in a 19-Inch Rack

This unit can be mounted in a 19-inch EIA standard rack (height: 1.5U).

WARNING

- Secure the rack to the floor.
If the rack falls due to the weight of equipment, it may result in death or serious injury.
Secure the rack to the floor without fail to prevent it from falling or moving.
- Do not mount the unit at a floor height of more than 1 m.
Fall of the rack may result in death or serious injury.
Mount the unit in the rack that is secured to the floor at a floor height within about 1 m.

PREPARATIONS

CAUTION

Be sure to use specified rack-mount rails.

If unspecified rack-mount rails are used, the equipment in the rack may fall due to insufficient strength, which may result in injury.

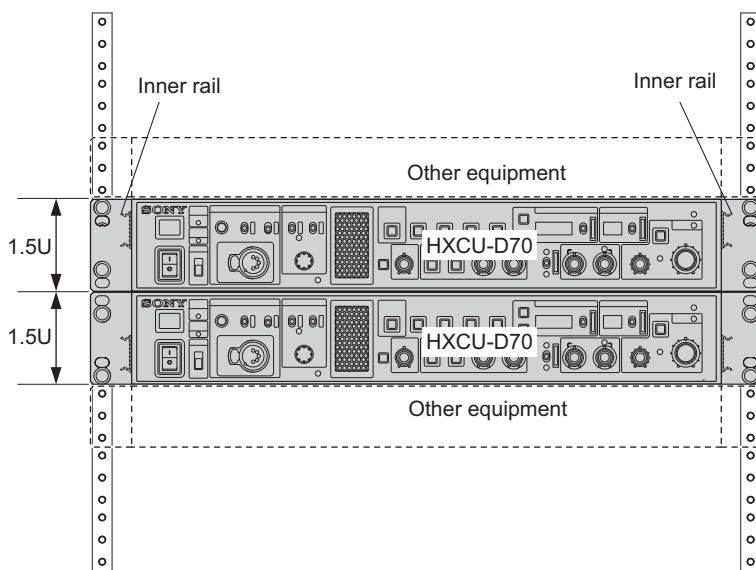
Manufacturer: Accuride Japan

- Slide rail: 1 set
Accuride Japan Model 305A-18 (457 mm)
- Front bracket: 2
Sony Part No.: 2-142-214-01
- Rear bracket: 2
Sony Part No.: 2-142-215-01
- Screw (B4 x 8) : 14
- Screw (B5 x 8) : 8
- Screw (PWH4 x 20) : 2
- Nut: 2
- Plate nut: 2
Sony Part No.: 3-651-812-01
- Rack mount rail screw (PSW5 x 25) : 4

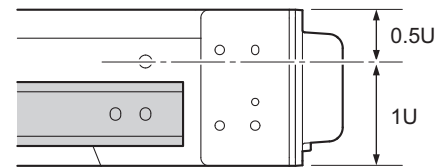
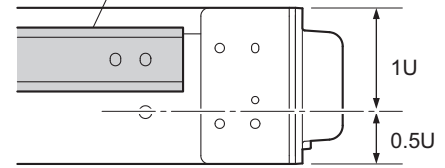
1-6-1. Mounting the Unit in the Rack

This unit is mounted in the rack by attaching the inner rails at the upper or lower part 1U of height 1.5U.

The rail attaching position varies depending on the unit mounting height in the rack.

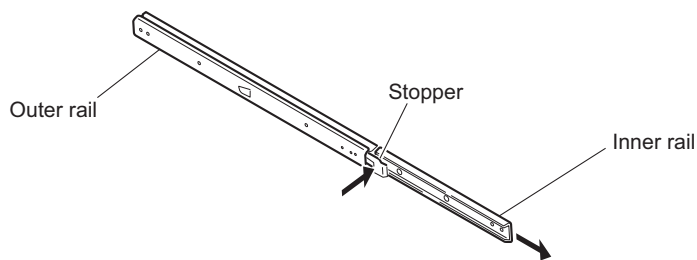


When mounting this unit under other equipment, install the inner rail at the upper part (1U) of the unit.



When mounting this unit above other equipment, install the inner rail at the lower part (1U) of the unit.

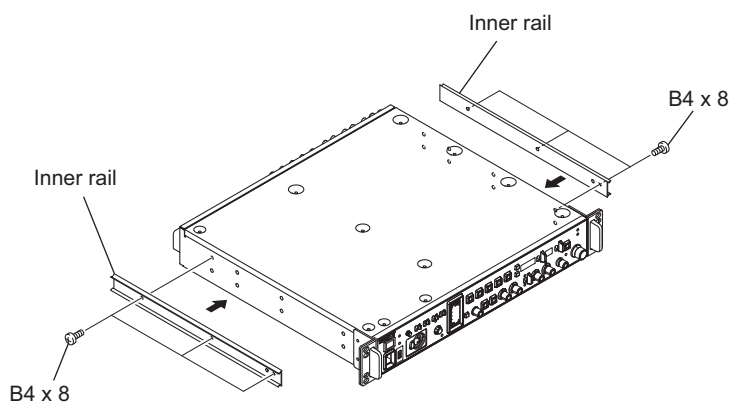
1. Pull out the inner rail while pressing the rail stopper.



2. Install the inner rail to the unit with six screws (B4 x 8).

Note

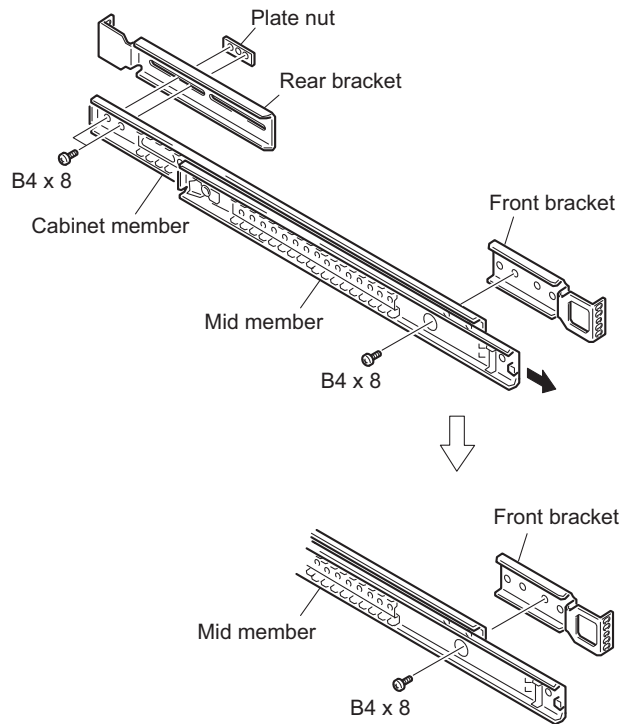
This figure shows attaching the inner rails at the upper part. The same method applies for attaching the inner rails at the lower part.



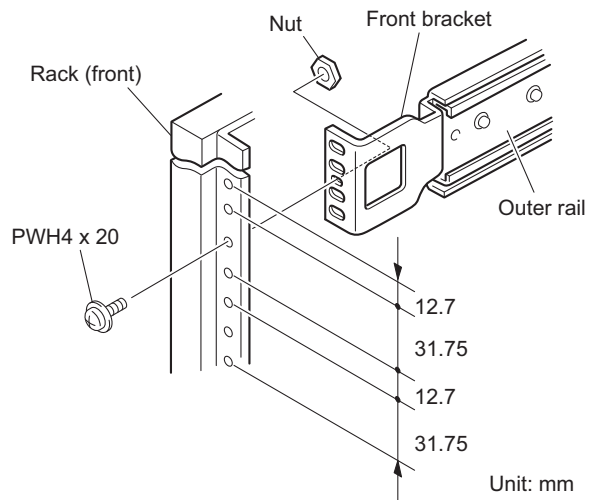
3. Attach the front and rear brackets to the outer rail with eight screws (B4 x 8).

Note

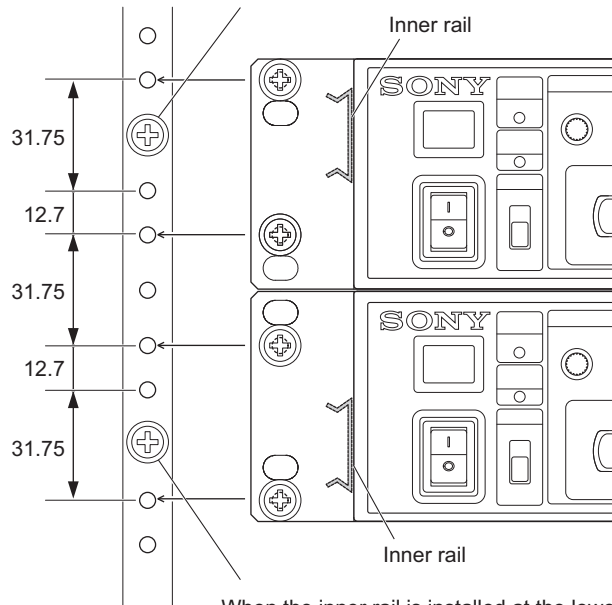
- When attaching the front bracket, slide the middle member to the position where the screw hole in the cabinet member is visible from the hole in the middle member shown in the figure.
- When attaching the rear bracket, adjust the bracket position according to the depth of the rack.



4. Attach the front bracket to the inside of the rack mount position with two screws (PWH4 x 20).

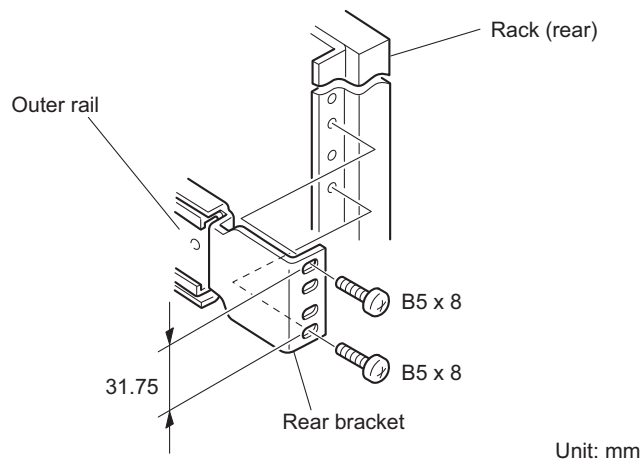


When the inner rail is installed at the upper part (1U) of the unit, attach the front bracket at this position.



When the inner rail is installed at the lower part (1U) of the unit, attach the front bracket at this position.

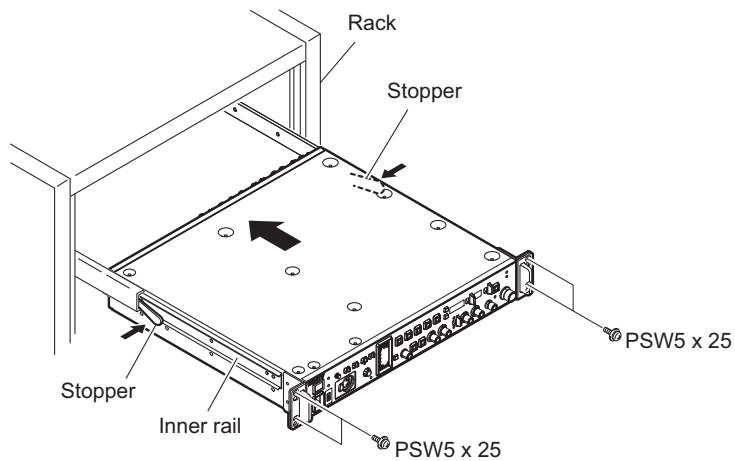
5. Attach the rear bracket to the outside of the rack mount position with four screws (B5 x 8).



6. Set the unit in the rack while pressing the inner rail stopper into the outer rail as far as it will go.

Note

- This rack mounting work must be done by two or more workers so as not to hurt the worker's waist.
- Failure to tighten the rack angle screws may cause the unit to slide and fall from the rack, resulting in injury. After the unit has been mounted, be sure to tighten all the screws.
- When setting and drawing the mounted unit, be careful not to catch your fingers by the rails.
- If balance is lost when mounting and removing the unit, it may fall, resulting in injury. Mount or remove the unit carefully maintaining a stable posture.



7. After the unit has been set in the rack, secure the unit to the rack with four screws (PSW5 x 25).

Section 2

Service Overview

2-1. Service Information

2-1-1. Equipment Required

Part No.	Name	Use
A-8326-017-A	ROM-28 board	For boot program upgrade

2-1-2. Note on Replacement of Lithium Battery

A lithium battery is mounted on the AT-186 board to backup the real time clock (RTC). If a battery comes to the lifetime, then RTC stops. Therefore, replace the battery and re-set DATE/TIME on the C12 DATE page of the CCU CONFIGURATION menu. (Refer to “Setup Menu” in the Operating Instructions.)

Part No.	Name	Use
△ 1-528-174-33	BATTERY, LITHIUM (CR2032 TYPE)	For real time clock (RTC) backup.

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.

2-2. Connecting and Disconnecting Flexible Card Wires

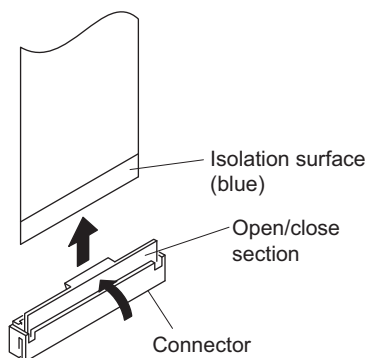
This unit uses two types of connectors for flexible card wire.

Notes

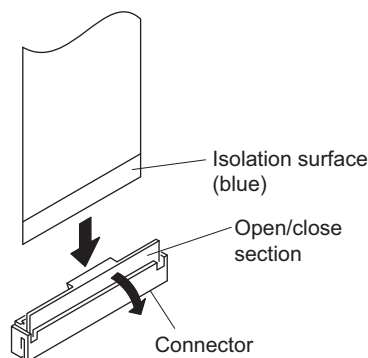
- Bending a flexible card wire significantly shortens its lifetime. Handle flexible card wires very carefully.
- A flexible card wire consists of conductive surface and insulated surface. Note that the circuit does not work if a flexible card wire is connected in wrong orientation of conductive surface and insulated surface.
- Do not insert the flexible card wire sideways.
- Make sure that the conductive surface of flexible card wires is free of dust and dirt.

2-2-1. Connecting/Disconnecting Flexible Card Wire (Type A Connector)

Disconnecting



Connecting



Disconnection

1. Open the connector open/close section to release the lock.

Note

Do not open the connector open/close section 90 degrees or more so as not to damage the connector.

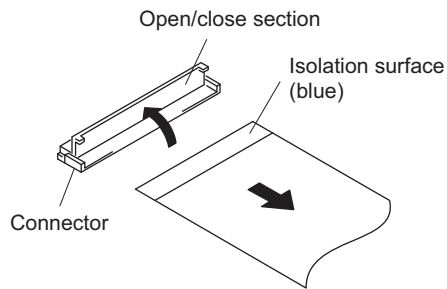
2. Pull the flexible card wire.

Connection

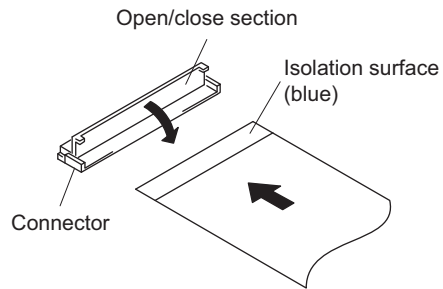
1. Insert the flexible card wire fully into the connector.
2. Push the connector open/close section to lock the flexible card wire.

2-2-2. Connecting/Disconnecting Flexible Card Wire (Type B Connector)

Disconnecting



Connecting



Disconnection

1. Open the connector open/close section to release the lock.

Note

Do not open the connector open/close section 90 degrees or more so as not to damage the connector.

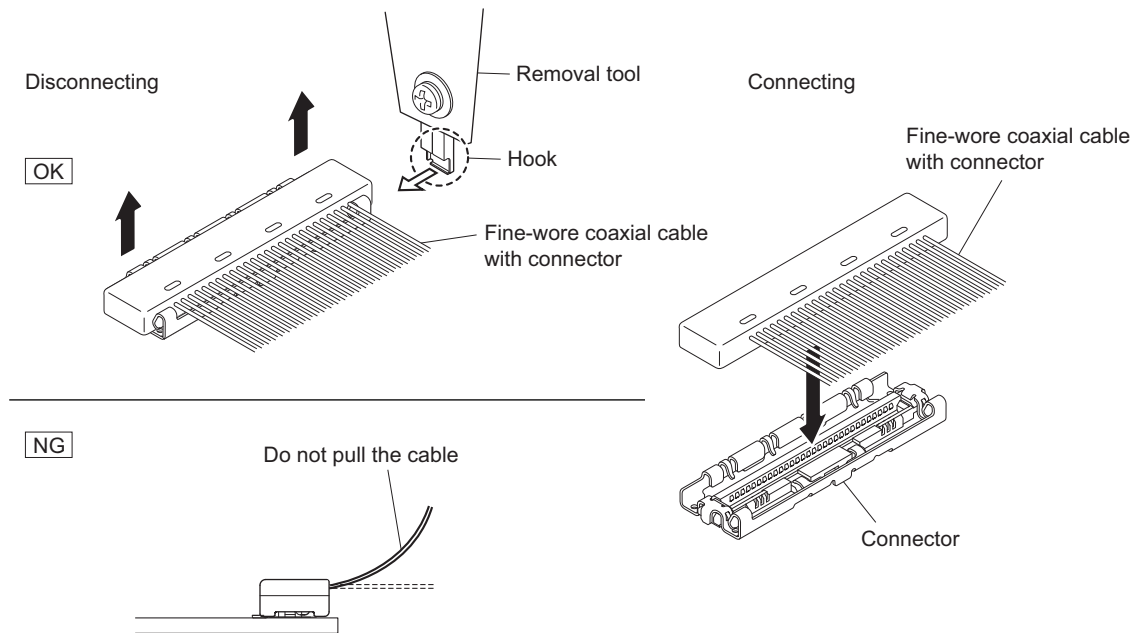
2. Pull the flexible card wire.

Connection

1. Insert the flexible card wire fully into the connector.
2. Push the connector open/close section to lock the flexible card wire.

2-3. Disconnecting/Connecting a Coaxial Cable

2-3-1. Fine-Wire Coaxial Cable (With the Connector)



Disconnection

Hook the hook of the removal tool to the connector of the fine-wire coaxial cable and pull the connector straight in the arrow direction.

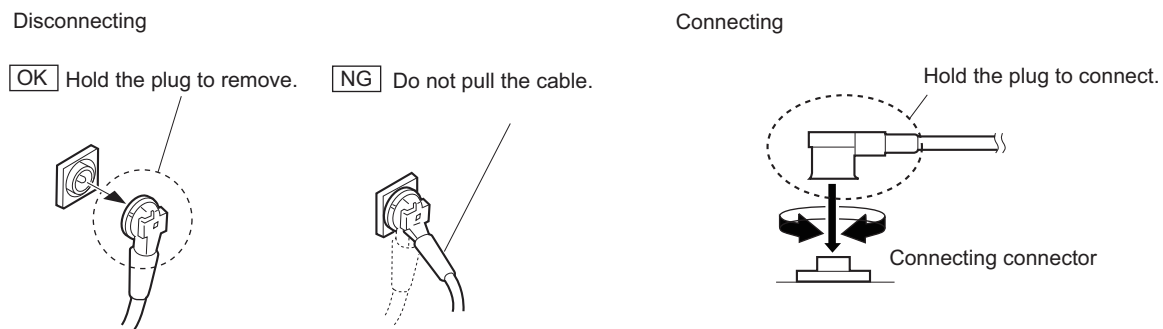
Note

Never pull the fine-wire coaxial cable.

Connection

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

2-3-2. Disconnecting/Connecting a Coaxial Cable



Disconnection

1. Hold the plug of the coaxial cable.
2. Pull the plug straight in the arrow direction to disconnect the coaxial cable.

Note

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

Connection

1. Hold the plug of the coaxial cable.
2. Push the plug perpendicularly to the connector while slightly turning the plug clockwise and counterclockwise.

2-4. Upgrading the Software Programs

The ROM (IC109 and IC110 on the AT-186 board and IC907 on the DPR-337 board) version can be upgraded using a Memory Stick.

For upgrading the software programs, follow the procedures below.

2-4-1. Upgrading the Main Program

Equipment required

Memory Stick

Check

Check the current main program version with “ROM Version” of status display. (Refer to the Operating Instructions.)

Preparation

Copy the upgrading program to the Memory Stick in the following steps.

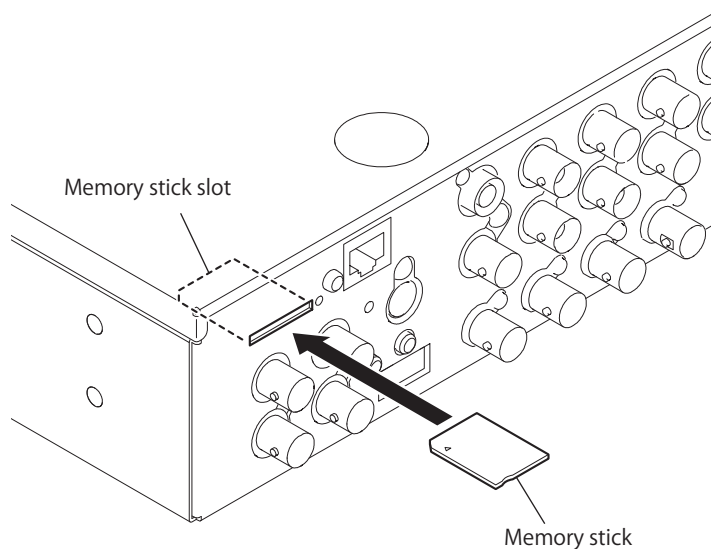
Note

To get the upgrading program (program files “hxcud70.rom” and “boot.rom”), contact your local Sony Sales Office/Service Center.

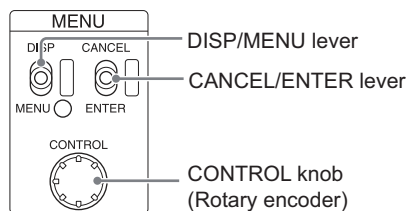
1. Make the following directory on the Memory Stick.
 \MSSONY \ PRO \ CAMERA \ HXCUD70
2. Copy the program files “hxcud70.rom” and “boot.rom” to the directory made in step 1.

Procedure

1. Turn on the power.
2. Insert the Memory Stick that contains the version update program into the Memory Stick slot on the rear panel.



3. Select VERSION UP EXEC from MAIN on the M02: Firmware Update page of the MAINTENANCE menu.
4. A message “UPDATE MAIN BLOCK ?” appears. Turn the CANCEL/ENTER lever to the ENTER side. A message “UPDATE MAIN BLOCK ?” appears. Turn the CANCEL/ENTER lever to the ENTER side.



5. Check that “LOADER BLOCK COMPLETE!!” appears and then “MAIN BLOCK COMPLETE!!” appears.
6. Turn off the power and remove the Memory Stick.
7. When the unit is turned on, the main program is upgraded and runs.
8. Check that the main program has been upgraded with “ROM Version” of status display. (Refer to the Operating Instructions.)

2-4-2. Upgrading the Boot Program

Equipment required

- Memory Stick
- ROM-28 board

Note

When the ROM has been replaced due to repair or other reason, version update from the Memory Stick is disabled. (Refer to “[Procedure \(When ROM-28 board is used\)](#)”.)

Check

Check the current boot program version with Firmware Update of the MAINTENANCE menu. (Refer to [Section 4-3.](#))

Preparation

1. Copy the upgrading program to the Memory Stick in the following steps.

Note

To get the upgrading program (program files “hxcud70.rom” and “boot.rom”), contact your local Sony Sales Office/Service Center.

- 1) Make the following directory on the Memory Stick.
`\MSSONY\PRO\CAMERA\HXCUD70`
- 2) Copy the program files “hxcud70.rom” and “boot.rom” to the directory made in step 1.

Procedure (When Memory Stick is Used)

1. Turn on the power.
2. Insert the Memory Stick that contains the version update program into the Memory Stick slot on the rear panel.
3. Select VERSION UP EXEC from BOOT on the M02: Firmware Update page of the MAINTENANCE menu.
4. A message “UPDATE BOOT BLOCK ?” appears. Turn the CANCEL/ENTER lever to the ENTER side.

5. Check that version update is performed and a message “BOOT BLOCK COMPLETE!!” appears.
6. Turn off the power and remove the Memory Stick.
7. When the unit is turned on, the boot program is upgraded and runs.
8. Check that the boot program has been upgraded with Firmware Update of the MAINTENANCE menu. (Refer to Section 4-3.)

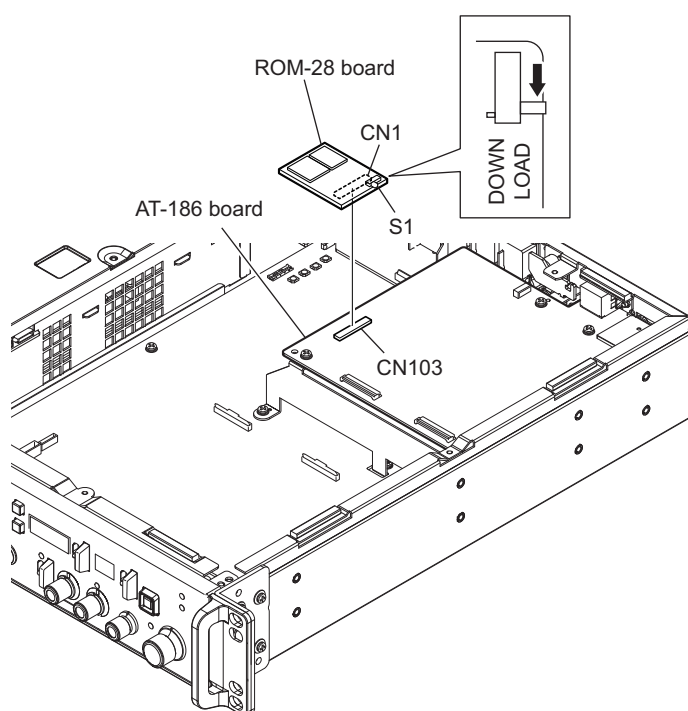
Procedure (When ROM-28 board is used)

1. Save the upgrading boot program in the ROMs H (IC2) and L (IC3) on the ROM-28 board.

Note

For details of saving the upgrading program, contact your local Sony Sales Office/Service Center.

2. Remove the top cover. (Refer to Section 5-1.)
3. Connect the connector CN1 on the ROM-28 board to the connector CN103 on the AT-186 board.
4. Set the switch S1 on the ROM-28 board to the DOWNLOAD side.
5. Turn on the power.
The diode D103 on the AT-186 board blinks green and red during upgrade, and lights green upon completion of the upgrade.
6. Turn off the power, and remove the ROM-28 board from the AT-186 board.
7. Attach the top cover.
8. When the unit is turned on, the boot program is upgraded and runs.
9. Check that the boot program has been upgraded with Firmware Update of the MAINTENANCE menu. (Refer to Section 4-3.)



2-4-3. Upgrading the HDMI Program

Equipment required

Memory Stick

Check

Check the current main program version with “DPR Diag” of status display. (Refer to the Operating Instructions.)

Preparation

Copy the upgrading program to the Memory Stick in the following steps.

Note

To get the upgrading program (program file “hdmi-firmware.rom”), contact your local Sony Sales Office/Service Center.

1. Make the following directory on the Memory Stick.
 \MSSONY\PRO\CAMERA\HXCUD70
2. Copy the program file “hdmi-firmware.rom” to the directory made in step 1.

Procedure

1. Turn on the power.
2. Insert the Memory Stick that contains the version update program into the Memory Stick slot on the rear panel.
3. Select VERSION UP EXEC from HDMI on the M02: Firmware Update page of the MAINTENANCE menu.
4. A message “UPDATE HDMI BLOCK ?” appears. Turn the CANCEL/ENTER lever to the ENTER side.
5. Check that version update is performed and a message “HDMI BLOCK COMPLETE!!” appears.
6. Turn off the power and remove the Memory Stick.
7. When the unit is turned on, the HDMI program is upgraded and runs.
8. Check that the main program has been upgraded with “DPR Diag” of status display. (Refer to the Operating Instructions.)

2-5. Writing and Rewriting the PLD Internal Data

This unit is provided with programmable logic devices (PLDs). They can be programmed and reprogrammed by the MAIN program.

If the parts listed below needs to be replaced or if PLD needs to be upgraded, contact your local Sony Sales Office/ Service Center.

Note

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

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

In the case of the PLD type that runs on the program stored in external ROM, the PLD has only to be replaced and data needs not to be written only.

2-5-1. Corresponding PLDs

Board name	PLD	ROM
AT-186	IC302	IC301
DPR-337	IC400	IC421, IC422 ^{*1}
	IC600	IC611
	IC900	IC910
	IC2300	IC2301

Equipment required

Memory Stick

Preparation

Copy the following ROM files to the directory created in the preparation process in [“2-4-2. Upgrading the Boot Program”](#).

- at-pld.rom
- sy-pld.rom
- post-pld.rom
- hdmi-pld.rom
- demux1-pld.rom
- demux2-pld.rom

Procedure

1. Turn on the power.
2. Insert the Memory Stick that contains the ROM file for PLD into the Memory Stick slot on the rear panel.
3. Select a PLD to be programmed/reprogrammed from M03:PLD UPDATE of the MAINTENANCE menu.

Note

If there are two or more target PLDs, they can be upgraded by “ALL” or “AUTO.” (Refer to Section [4-3.](#))

4. When a message “XXX VERSION UP EXEC?” (XXX: PLD name) appears, press the ENTER key.
5. Confirm that the PLD has been upgraded and a message “COMPLETE” appears.

*1: IC422 is an IC for system expansion and is not planned for use at present.

6. Turn off the power and remove the Memory Stick.
7. When the unit is turned on, the PLD is upgraded and runs.
8. Check that the main program has been upgraded with “AT Diag and DPR Diag” of status display. (Refer to the Operating Instructions.)

2-6. Periodic Replacement Parts

This table does not describe the guarantee period of part.

The replacement period of each part depends on the environment and condition. Refer to [“5. Replacement of Main Parts”](#) for the replacement method of parts.

Part name	Part No.	Check/replacement period
FAN, DC (60 SQUARE)	△ 1-787-419-12	Replace every two years (When used for eight hours a day.)

2-7. Notes on Replacement of Circuit Board

2-7-1. EEPROM Data

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

Note

The part number listed in “Spare Parts” is for EEPROM which is not programmed. Therefore, program a new EEPROM after replacement. For details, contact your local Sony Sales Office/Service Center.

Board name	Ref No.	Stored data
AT-186	IC106, IC107	MAC address, etc.
DPR-337	IC309	Serial number and board adjustment data

2-7-2. Actions to Be Taken after Board Replacement/Repair

Board name	Action
AT-186	Re-setting of model name and destination (Refer to Section 4-3.)
DPR-337	• Re-setting of serial number (Refer to Section 4-3.) • Video Signal System Adjustment (Refer to Section 6-3.) • Setting of the cable length calculation reference value only when IC401 is replaced (not necessary when the DPR-337 board is replaced) (Refer to Section 4-3.)

2-8. Circuit Protective Devices

2-8-1. Thermistor

This unit is provided with positive thermistors for power circuit. If an overcurrent flows in a positive thermistor or it heats up to a certain degree with the increase of the ambient temperature, its internal resistance increases sharply to limit the current flowing in the circuit. When a thermistor is activated, turn off the power and check the circuit of the unit. After the cause of the problem is removed and the device cools down, turn on the power again. The unit will work normally. It takes about one minute for the device to cool down after power-off.

Board	Ref.No.	Address	Part No.
DPR-337	THP1	G5 (Side A)	△ 1-805-725-11
	THP2	G5 (Side A)	△ 1-802-243-11
	THP20	B3 (Side B)	△ 1-805-725-11
	THP100	G4 (Side A)	△ 1-804-458-21
	THP102	G4 (Side A)	△ 1-804-987-21
	THP103	G3 (Side A)	△ 1-804-616-21
	THP105	F4 (Side A)	△ 1-803-615-21
	THP106	F3 (Side A)	△ 1-804-458-21
	THP107	G3 (Side A)	△ 1-804-616-21
	THP108	F3 (Side A)	△ 1-804-616-21
	THP109	G4 (Side A)	△ 1-803-615-21
	THP110	G4 (Side A)	△ 1-803-615-21
	THP111	G3 (Side B)	△ 1-804-616-21
	THP114	G3 (Side A)	△ 1-804-987-21
	THP115	G3 (Side B)	△ 1-804-616-21
	THP118	G2 (Side A)	△ 1-804-616-21
	THP120	B3 (Side B)	△ 1-804-616-21
	THP121	G2 (Side A)	△ 1-804-616-21
	THP122	G2 (Side A)	△ 1-804-616-21
	THP200	A2 (Side A)	△ 1-804-616-21
AT-186	THP4	A1 (Side B)	△ 1-802-108-11
	THP5	A3 (Side A)	△ 1-804-616-21
	THP100	A4 (Side A)	△ 1-771-845-21
PS-826	THP1	A1 (Side B)	△ 1-810-106-91
	THP11	B5 (Side B)	△ 1-802-108-11

2-9. Circuit Description

2-9-1. Overview

HXCU-D70 consists of a power supply block, a control block, a signal processing block, a rear panel block, and a front panel block.

2-9-2. Power Supply Block

The power supply block consists of two types of AC-DC power supply unit and a PS-826 board that contains a DC-DC circuit to control DC output voltages to be supplied to the camera. This block generates various DC voltages (17 to 30 V output for the camera, 15 V for the RCP, 15 V for the CCU internal circuit, and 12 V for the cooling fan) from AC line power input.

Commercial power voltage 100 to 240 VAC is supplied from the AC inlet on the rear of the unit through the front AC switch to the two types of AC-DC power supply unit.

The power to be used in the CCU body is supplied from the AC-DC power supply unit that outputs 15 VDC to each board where the power is converted to voltages to be used in each board.

The power to the camera is supplied from the AC-DC power supply unit that outputs 48 VDC through the PS-826 board.

PS-826 Board

The PS-826 board consists of a DC-DC circuit for power supply to the camera, a 12 VDC power circuit for the cooling fan, a fan operation detection circuit, a power protection circuit for the RCP, and a power detection circuit for the RCP. The DC-DC circuit for the power supply unit for the camera controls the output voltage with the sensing function so that the voltage at the camera becomes approx. 17 VDC and supplies the output voltage to the camera.

The power output circuits check connection of the camera cable and detect overcurrent. It outputs power voltages when there is no problem.

Abnormal temperature in the power unit is detected in the PS-826 board.

2-9-3. Control Block

The control block is integrated in the AT-186 board and has a microcomputer (SH2A) to control the boards in the HXCU-D70 and the power supply unit for the camera.

This block performs command communication with the camera and RCP, IIC communication with the front panel, and system settings including the camera.

This block also has a LAN connector (RJ-45) for communication with external devices and controls the connection with the external LAN controller IC.

In addition, this block allows the CCU firmware and the PLD program to be upgraded using a Memory Stick.

2-9-4. Signal Processing Block

The signal processing block is integrated in the DPR-337 board and mainly consists of a digital multi-core transmission circuit, a video signal processing circuit, an audio signal processing circuit, a synchronization processing circuit, and a DC-DC power circuit.

Digital multi-core transmission circuit

This transmission circuit consists of (1) a receiver circuit to receive serial data that superimposes camera video signals, command signals (CAM → CCU), audio signals, and trunk signals from the camera, (2) a transmitter circuit to send sync signals, return video signals, prompter video signals, and command signals (CCU → CAM), and (3) a transmitter/receiver circuit to send/receive intercom signals.

The serial data receiver has functions to detect the connected multi-core cable length and to monitor the reception quality. When a cable length over or a problem in the reception signal quality is detected, this receiver indicates a warning.

The serial data from the camera consists of 4-channel data S-Data1 to S-Data4. The 100-meter transmission is enabled with a multi-core cable by decreasing the data rate per channel.

The serial data receiver consists of a 4-channel cable equalizer circuit (IC401/IC402/IC403/IC406) and a circuit (IC400) to convert a serial signal to parallel signals and to restore camera video data from divided 4-channel data.

The cable length detecting function displays the cable length by converting the CLI output voltage value of the cable equalizer IC401 of S-Data4.

Restored command signals (CAM → CCU) are sent to the AT-186 board and the command signals (CCU → CAM) from the AT-186 board are sent to the camera from the DPR-337 board through the output driver. Thus bidirectional command communication between CAM and CCU is established.

Restored trunk signals (CAM → CCU) are sent to the CN-3376 board and are then output through the RS-232C driver. The trunk signals (CCU → CAM) that are input to the CN-3376 board are converted to signals of 5 Vpp amplitude by the RS-232C receiver on the CN-3376 board, and are then sent to the camera through the output driver.

The sync signal transmitter circuit sends the pulse signal (that is the horizontal sync signal divided by 5) on which the F timing and NTSC/PAL setting data are superimposed to the camera through the output driver.

The return video signal (VBS) and prompter video signal (VBS) transmitter circuit consists of a signal correction circuit and a driver circuit.

The signal correction circuit can change the correction amount to four steps (25, 50, 75, and 100 m) according to the length of the connected multi-core cable. Signal deterioration during transmission can be prevented by correction according to the cable length.

Video signal processing circuit

The video signal processing circuit processes the camera video signals (parallel data) restored in the receiver circuit above in accordance with usage such as down-conversion. This circuit is divided into a main-line channel to output each video signal to the rear panel and a return channel to apply cable correction processing to the VBS return video and VBS prompter signals from the rear panel and send the processed signals to the camera.

Main-line channel video signals

After the main-line channel video signals are output from the video signal processor (IC601), the following processing is performed according to each output.

- SDI output:
The next processor (IC600) superimposes audio signals and sync signals, and the parallel-to-serial converter (IC-809/IC810) converts the superimposed signal to HD-SDI or SD-SDI signal. Then the HD-SDI or SD-SDI signal is output from the CCU rear panel.
- Analog component output:
The HD-YPbPr or SD-YCD signal from the video signal processing circuit is converted to RGB signal by the next processor (IC600) according to the output format setting and is then converted to an analog signal. Then the analog signal is output from the CCU rear panel.
- VBS output:
The SD-YCD signal output from the video signal processing circuit is converted to VBS signal by the encoder (IC1101), and the VBS signal is converted to an analog signal for each output of PIX and VBS. Then the analog signal is output from the rear panel of the CCU.

- **S-Video output:**
The character data is superimposed on the SD-YCD output signal of the video signal processing circuit by the next processor (IC900) and the superimposed signal is converted to an analog signal. Then the analog signal is output from the rear panel of the CCU.
- **HDMI output:**
The audio signal is superimposed on the HD-YPbPr or SD-YCD signal from the video signal processing circuit by the next processor (IC900) and the superimposed signal is converted to an HDMI signal by the transceiver (IC1000) for transmission. Then the HDMI signal is output from the rear panel of the CCU.

Return channel video signals

The following processing is applied to each of the return channel video signals from the rear panel.

- **VBS return video input:**
The return video 1 and 2 signals input to the rear panel are sent to the DPR-337 board through the buffer circuit on the CN-3370 board. In the DPR-337 board, cable correction is made for the signal of the channel selected by the camera from the input 1ch and 2ch signals, and the corrected signals are sent to the camera through the drive circuit. Inputs of the CCU rear panel are compatible with the loop through function. When an additional signal is connected to the input side, the signal is automatically terminated with 75-ohm resistance.
- **VBS prompter video input:**
The prompter video signals input to the rear panel are directly sent to the DPR-337 board where cable correction is made for them. Then the corrected video signals are sent to the camera through the drive circuit. Inputs of the CCU rear panel are compatible with the loop through function. When an additional signal is connected to the input side, the signal is automatically terminated with 75-ohm resistance.

Audio signal processing circuit

Audio signals restored from the receiver circuit and intercom signals (ENG/PROD/PGM/Front-Intercom) input to this unit are transferred to the audio processing circuit (IC2300) for signal processing. Some of the signals that are output from the audio processing circuit are used for superimposition on SDI and HDMI signals. Some of them are converted to analog signals and sent to the transmitter, and some of them are converted to analog signals and output from the front and rear panels of the CCU.

Synchronization processing circuit

With an HD and SD signal generator, this circuit establishes synchronization between camera and CCU and performs processing for synchronization with external reference input.

The input external reference signal is automatically identified to be HD or SD signal for the synchronizing processing. This circuit also has SYNC output, which enables switching between tri-level HD SYNC and SD SYNC.

DC-DC power circuit

This circuit generates voltages used in the DPR-337 board from the 15 VDC supplied from the power supply block. This circuit has a configuration for power outputs consisting of an analog circuit and a digital circuit in accordance with usage.

In addition to the above circuit, the DPR-337 board contains a character generator for CCU menu output and an EEPROM that retains component, VBS video level adjustment value, and reference value for determining cable length.

2-9-5. Rear Panel Block

The rear panel block has the following connectors for interface between this unit and external devices.

HDI out, VBS out, component out, PIX out, HDMI out, S-Video out, Ref in, Return in, Prompter in, AUDIO out, INCOM/TALLY/PGM (Dsub 25-pin), REMOTE, TRUNK LINE (Dsub 9-pin), Ethernet, MS, camera (CCZ connector)
This block consists of boards DPR-337, AT-186, CN-3369, CN-3370, CN-3376, and CN-3383.

DPR-337 Board

This board contains the following interface connectors that are secured directly to the rear panel.

HD/SD-SDI out 1 to HD/SD-SDI out 4 (BNC x 4)

HDMI out

REFERNSE in (BNC x 2: loop-through: auto termination)

VBS PROMPTER in (BNC x 2: loop-through: auto termination)

INCOM/TALLY/PGM (Dsub 25-pin)

AT-186 Board

This board contains an RJ-45 connector for the LAN interface and a Memory Stick interface only for service, which are secured to the rear panel and connected to the DPR-337 board with two 45-pin flexible flat cables.

CN-3369 Board

This board contains a CCZ connector for multi-core cable to be connected to the camera. Various signals are connected to the DPR-337 board through four coaxial cables and a fine-wire coaxial cable (30 wires).

The camera power is supplied from the PS-826 board through a harness.

This board is entirely covered with a shield case for protection against external noise.

CN-3370 Board

This board contains the following interface connectors that are secured directly to the rear panel and connected to the DPR-337 board with a 45-pin flexible flat cable.

S-VIDEO out

VBS out 1, VBS out 2 (BNC x 2)

Component out (BNC x 3)

PIX out (BNC x 1)

SYNC out (BNC x 1)

RETRN VIDEO in 1, RETRN VIDEO in 2 (BNC x 4: loop-through: auto termination)

AUDIO out 1, AUDIO out 2 (XLR 3 pin x 2)

CN-3376 Board

This board contains a Dsub 9-pin TRUNK LINE interface connector and an RS232C driver circuit (IC1). The connector is connected to the DPR-337 board with a flexible flat cable.

CN-3383 Board

This board contains a REMOTE connector for connection to the RM and RCP, which is connected to the AT-186 board.

A power voltage of 15 VDC is supplied to the RM and RCP from the PS-826 board through the DPR-337 and AT-186 boards. The PS-826 board is provided with an overcurrent protection circuit.

2-9-6. Front Panel Block

The front panel block consists of boards SW-1512, LED-504, LED-505, and CN-3382. These boards contain system setup switches, a potentiometer control circuit, a display circuit, an INCOM system interface circuit, and a CCU MENU operation circuit.

SW-1512 Board

This board contains system setup switches and a potentiometer control circuit, and is controlled from the DPR-337 board through the IIC communication.

This board also contains a tally (red/green) control circuit, status display LEDs (such as for cable open and CAM power), a CCU menu operation switch, a rotary encoder, a switch and a microphone amplifier for the front intercom.

CCU menus are provided for the gain of the front intercom microphone amplifier, BIAS power ON/OFF, balanced signal/unbalanced signal switching, and selection of items for the LOCK switch.

The SW-1512 board is connected to the DPR-337 board only with a 45-pin flexible flat cable.

LED-504 Board

This board contains 7-segment LEDs to display SHUTTER SPEED and MASTER GAIN. Indication of these LEDs is controlled from the SW-1512 board through board-to-board connectors.

LED-505 Board

This board contains a TALLY (red/green) LED. Indication of this LED is controlled from the SW-1512 board through a flexible flat cable.

CN-3382 Board

This board contains an INCOM connector (XLR-5 female) to be connected to the input amplifier on the SW-1512 board with a harness.

2-10. Lead-free Solder

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



: LEAD FREE MARK

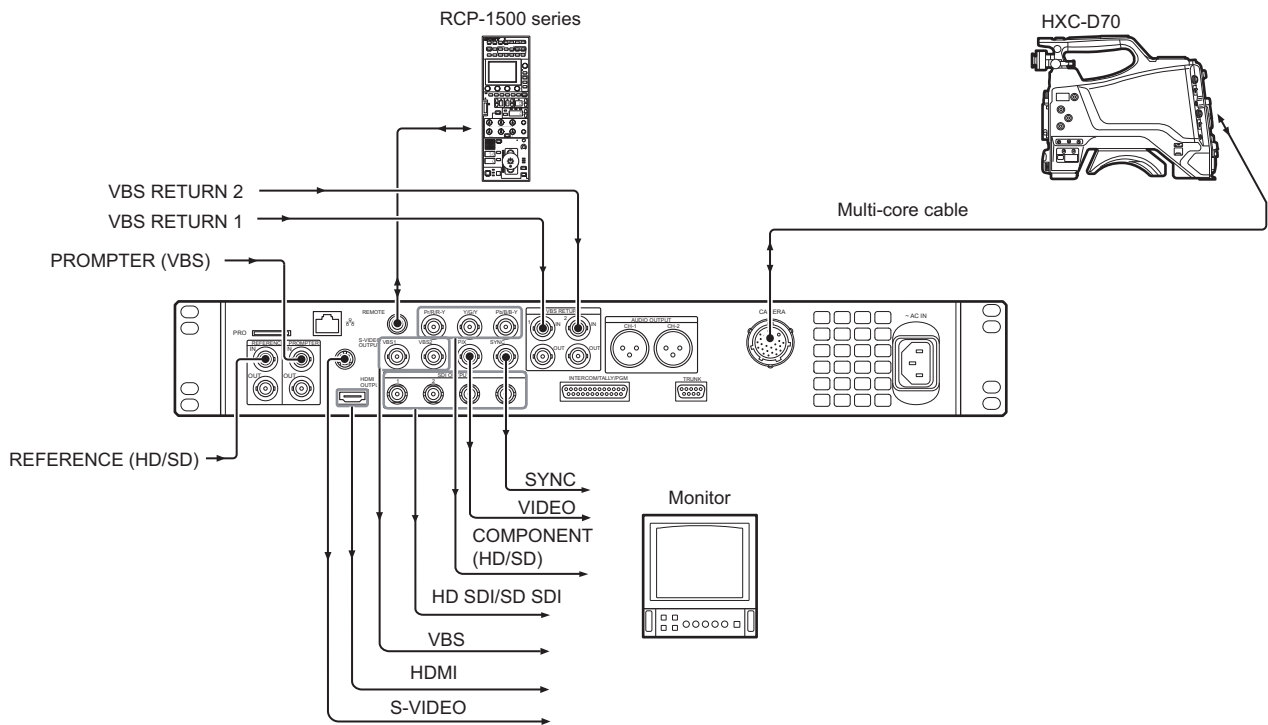
Notes

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

Section 3

System Setup

3-1. System Connection



3-2. Audio System

3-2-1. Intercom System Setting

Two intercom lines^{*1} (producer line and engineer line) are available in this unit.

This unit supports 4-wire (4W) RTS, and Clear-Com (CC) intercom systems. Make settings of the menu according to the system to be used.

Selecting Intercom System

Note

Set the intercom system with CCU CONFIGURATION menu. (Refer to the Operating Instructions.)

Select an intercom system (4W, RTS, or CC) of the engineer line and producer line according to the system to be used.

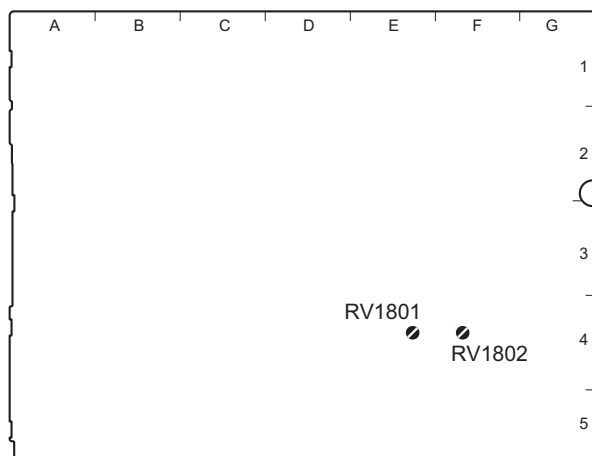
Note

When intercom system is set to RTS or Clear-Com be sure to connect the unit to the RTS or Clear-Com system. Failure to do so will cause the output to oscillate and adversely affect the surrounding circuit.

Adjusting RTS Cancellation (RTS/Clear-Com)

When the RTS or Clear-Com system is used, adjust the sidetone cancellation amount using the following procedure. Before beginning adjustment it is recommended to make a copy of setup conditions. You can easily restore the original settings after adjustment.

1. Set the C07: SIDE TONE value of the CCU CONFIGURATION menu to 0.
2. Set the INTERCOM switch on the front panel to PROD.
3. While speaking to the headset microphone, adjust potentiometer RV1801 (PROD RTS CANCEL) on the DPR-337 board so that the voice heard from the headset becomes minimum.
4. Set the INTERCOM switch on the front panel to ENG.
5. While speaking to the headset microphone, adjust potentiometer RV1802 (ENG RTS CANCEL) on the DPR-337 board so that the voice heard from the headset becomes minimum.
6. Re-set the C07: SIDE TONE value of the CCU CONFIGURATION menu to the customer settings.



DPR-337 board (Side A)

*1: The producer line is always mixed with the engineer line at the camera side.

Setting PGM Audio Signal Input Level

Set the PGM audio signal (PGM) with C06: PGM INPUT according to signal level.

-20 dBu, 0 dBu, or +4 dBu (factory setting: 0 dBu)

Setting Headset Microphone

1. Set C07: INCOM MIC of the CCU CONFIGURATION menu according to the microphone type of the headset to be connected to the front INTERCOM connector.
 - Carbon microphone: CARBON (-20 dBu, power supplied)
 - Condenser microphone: ECM (-40 dBu, power supplied)
 - Dynamic microphone: DYNAMIC (-60 dBu, no power supplied) (factory setting)
2. When the dynamic microphone is used, set C07: MIC TYPE of the CCU CONFIGURATION menu according to the microphone of the headset to be connected to the front INTERCOM connector.
 - BALANCE : Balanced microphone
 - UNBALANCE : Unbalanced microphone (factory setting)

Adjusting Sidetone Volume

Adjust the sidetone volume of the headset connected to the front INTERCOM connector with C07: SIDE TONE of the CCU CONFIGURATION menu according to the headset to be used. Too high volume of the sidetone may cause howling.

Selecting PGM Audio Signal

Select the PGM audio signal of the headset connected to the front INTERCOM connector to a desired level with C07: PGM MIX of the CCU CONFIGURATION menu.

- OFF: Do not PGM MIX
- INCOM+PGM: INCOM and PGM mixed
- L-INCOM/R-PGM: The INCOM signal is output from the left and the PGM signal is output from the right.

Headset output selection

		C07: PGM MIX (CCU menu)		
		INCOM + PGM	OFF	L-INCOM/R-PGM
MIC/PGM switch	ON	Intercom + PGM	Intercom	Left : Intercom Right: PGM
	OFF			
	PGM		PGM	

Adjusting PGM Audio Signal Mixing Volume

Adjust the PGM audio signal mixing volume of the headset connected to the front INTERCOM connector to a desired level with C07: PGM LEVEL of the CCU CONFIGURATION menu.

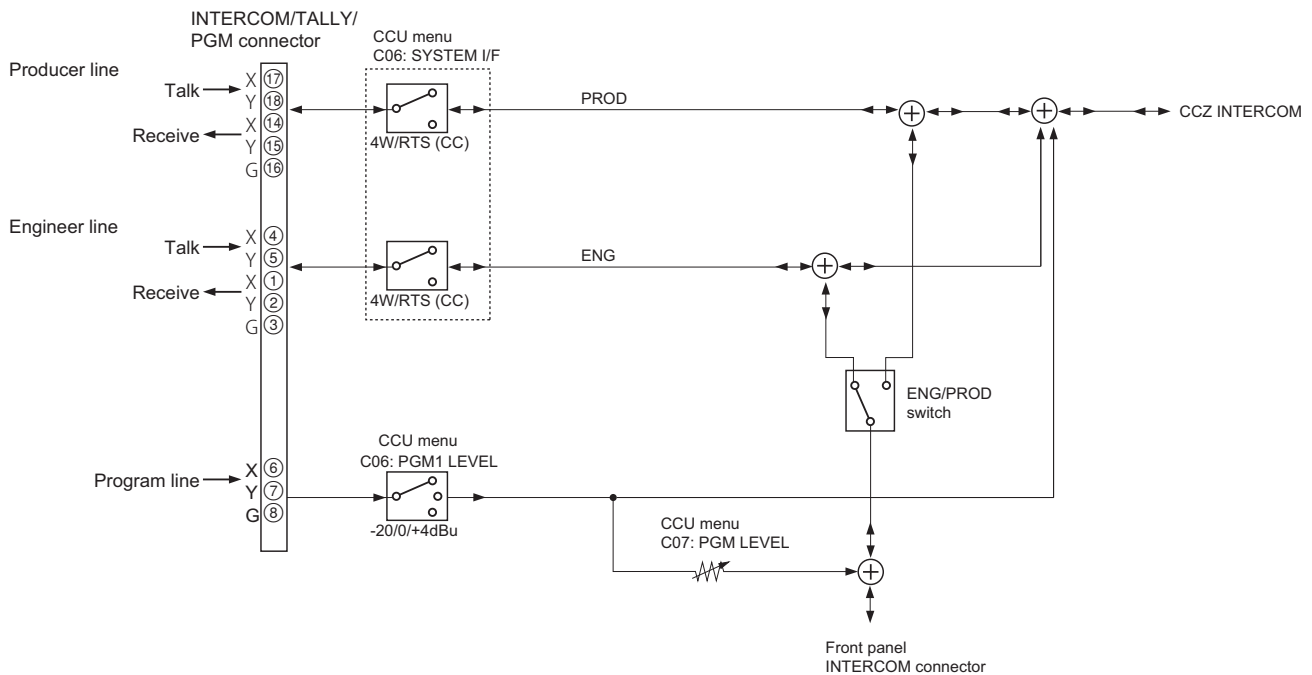
Selecting Intercom Line to Be Connected to the INTERCOM Connector

Select the intercom line to be connected to the front INTERCOM connector as follows with the INTERCOM switch.

Producer line: PROD

Engineer line: ENG

Intercom Signal Flow



3-2-2. Audio Setting

This unit can receive two independent microphone lines (Audio1, Audio2) from the camera and output them.

Note

Set the intercom system with CCU CONFIGURATION menu. (Refer to the Operating Instructions.)

Remote Controlling audio input gain

Remote Control Using the CCU CONFIGURATION Menu

Set the gain with C05: MIC/AUDIO of the CCU CONFIGURATION menu.

20, 30, 40, 50, 60 dB (factory setting: 60 dB)

Control from the RCP-1500 series

Remote control can be set from the Maintenance menu of the RCP-1500 series connected to this unit .

20, 30, 40, 50, 60 dB

Note

Maintenance menu → Camera → Microphone Gain

Setting Audio Output Level

Set the Audio outputs (CH-1 and CH-2) with C05: MIC/AUDIO according to each signal level.

-20 dB, 0, or +4 dB (factory setting: 0 dB)

3-3. System Settings

3-3-1. Tally System Setting

This unit supports red tally and green tally systems. Only contact supply input is supported. The output is open collector (Max. 30 mA).

3-3-2. Camera Number Setting

Set the camera number with N03: CCU NO of the NETWORK SETTINGS menu. (Refer to the Operating Instructions.)

3-4. Video Signal System

Video signals of this unit and the equipment used for a camera system were adjusted to the specified levels in the factory shipping process.

Before starting operation, check the signal levels between equipment and adjust them, if necessary.

3-4-1. Input/Output Signal Selection

Select a signal of the input/output connector on the rear panel according to the video system to be implemented.

3-4-2. Signal Phase Adjustment

Adjust signal phases of the unit.

Before starting this adjustment, input the following sync signals to the unit and equipment used.

REFERENCE connector

Input the HD tri-level sync signal or black burst signal.

HD tri-level sync signal: 0.6 Vp-p

Black burst signal:

- NTSC: 0.286 Vp-p
- PAL: 0.3 Vp-p

Adjusting Sync Signal Phase

Adjust the sync signal phase with S02: GENLOCK PHASE of the SYSTEM OPERATION menu so that the output signal phase matches the phase of the reference signal. (Refer to the Operating Instructions.)

3-4-3. Aspect Ratio Setting for Down-Conversion

Note

Set the intercom system with SYSTEM OPERATION menu. (Refer to the Operating Instructions.)

With this unit, this system enables switching of aspect ratio in accordance with various systems for the HD-SD down-conversion.

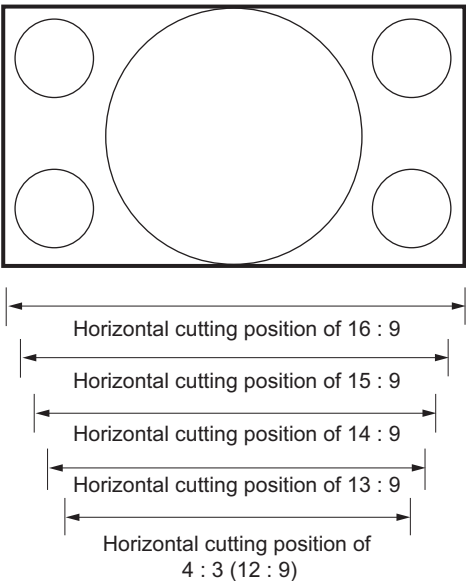
Set the aspect ratio with the S05: SD ASPECT of the SYSTEM OPERATION menu or with RCP-1500 series.

The following four aspect ratio modes are selectable in this system.

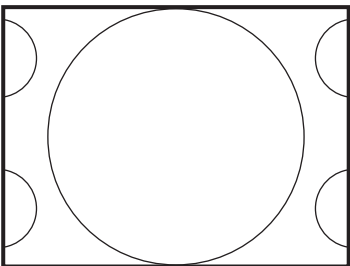
Squeeze	Converts the HD video signal to SD signal with an aspect ratio of 16 : 9 unchanged (16 : 9)
Edge crop	Crops 4 : 3 video part from the HD video signal and converts it to SD signal (4 : 3)
Letterbox	Fits the HD video signal with an aspect ratio of 16 : 9 into a 4 : 3 monitor frame and converts it to SD signal (4 : 3) (Black level is inserted above and below the picture.)
Semi-letterbox	Crops 15 : 9 (or 14 : 9 or 13 : 9) video part from the HD video signal, fits it into a 4 : 3 monitor frame, and then converts it to SD signal (4 : 3) (Black level is inserted above and below the picture.)

Examples of display

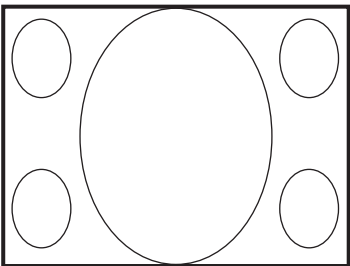
16 : 9 picture (picture from camera)



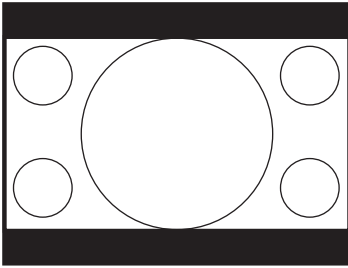
Picture whose aspect ratio is converted (SD output)



Edge-crop
CROP POSITION can be changed.

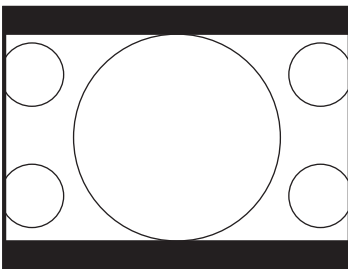


Squeeze
The 16 : 9 ratio picture is output in the SD format without changing the ratio.



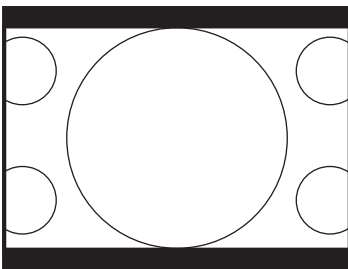
Letter box (16 : 9)

The 16 : 9 ratio picture is inserted into the 4 : 3 ratio picture and is output in the SD format.



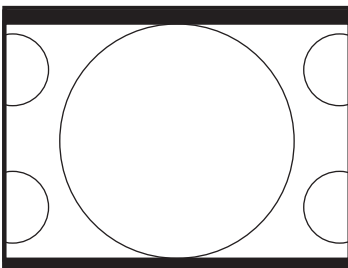
Semi-letter box (15 : 9)

The picture that is cut out with the aspect ratio of 15 : 9, is inserted into the 4 : 3 ratio picture and is output in the SD format.



Semi-letter box (14 : 9)

The picture that is cut out with the aspect ratio of 14 : 9, is inserted into the 4 : 3 ratio picture and is output in the SD format.



Semi-letter box (13 : 9)

The picture that is cut out with the aspect ratio of 13 : 9, is inserted into the 4 : 3 ratio picture and is output in the SD format.

3-4-4. VBS Signal Level Adjustment

Adjust the VBS signal level that is output from this unit using the CCU color-bar signal.

Note

Set the intercom system with MAINTENANCE menu. (Refer to the Operating Instructions.)

Adjustment Procedure

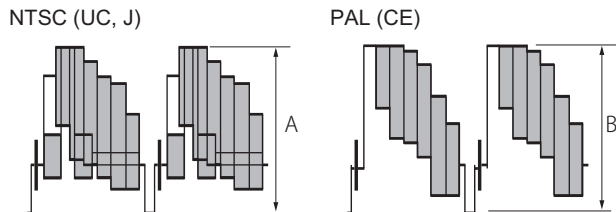
Adjust the VBS signal level with VBS LEVEL of M05: ANALOG VIDEO in the MAINTENANCE menu.

Equipment: SD waveform monitor

Test Point: VBS connector /rear panel

Specification:

- $A = 140 \pm 1$ IRE (75 Ω termination)
- $B = 1000 \pm 7$ mV p-p (75 Ω termination)



3-4-5. Picture Monitor Signal Level Adjustment

Adjust the PIX output signal level using the CCU color-bar signal.

Note

Set the intercom system with MAINTENANCE menu. (Refer to the Operating Instructions.)

Picture Monitor Signal Level Adjustment

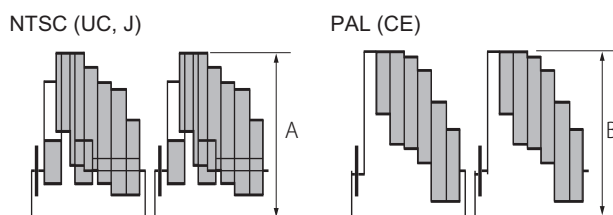
Adjust the PIX output signal level with PIX LEVEL of M05: ANALOG VIDEO in the MAINTENANCE menu.

Equipment: SD waveform monitor

Test Point: PIX out connector/ rear panel

Specification:

- $A = 140 \pm 1$ IRE (75 Ω termination)
- $B = 1000 \pm 7$ mV p-p (75 Ω termination)



Section 4

Maintenance Mode

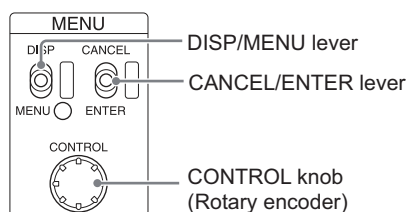
This unit can display the status of this unit and entire system on the video monitor connected to the PIX connector to check and change settings.

4-1. Preparations

4-1-1. Starting/Exiting the Maintenance Mode

Starting

1. When the status screen or menu screen is displayed, hide the screen.
 - When the status screen is displayed, turn the DISP/MENU lever to the DISP side once.
 - When the menu screen is displayed, turn the DISP/MENU lever to the MENU side once.
2. While pressing the CONTROL knob, turn the CANCEL/ENTER lever quickly to the ENTER side twice.
3. Turn the DISP/MENU lever to the MENU side within two seconds.



4. Check that the following screen appears. If it does not appear, repeat steps 1 to 3.

```

**CCU MENU**

->SYSTEM OPERATION
  CCU CONFIGURATION
  NETWORK SETTINGS
  VE OPERATION
  MAINTENANCE
```

Exiting

1. When the status screen or menu screen is displayed, hide the screen.
2. Turn the CANCEL/ENTER lever quickly to the CANCEL side twice.

Changing Setting Values

To enter:

Press the CONTROL knob.

To cancel:

Turn the CANCEL/ENTER lever to the CANCEL side before pressing the CONTROL knob. The setting of the selected item is restored.

To suspend:

Turn the DISP/MENU lever to the MENU. The menu disappears. To restart the setting operation, turn the DISP/MENU lever again to the MENU side.

4-1-2. Memory Stick

The following types of Memory Stick are available for this unit.

- Memory Stick Duo
- Memory Stick PRO Duo (Up to 2 GB)

4-2. VE OPERATION Menu

V01: REFERENCE

Menu screen	Item	Description
<pre> <REFERENCE> →V01 TOP STORE FILE STANDARD ALL PRESET READ (MS →CAM) WRITE (CAM→MS) M.S FORMAT FILE ID : CAM CODE: DATE </pre>	STORE FILE	Registers the current values of the VE OPERATION menu and MAINTENANCE menu as reference.
	STANDARD	Calls the registered standard state.
	ALL PRESET	Restores the factory settings.
	READ (MS → CAM)	Reads the reference file from the memory stick and transfers it to the camera.
	WRITE (CAM → MS)	Writes the reference file stored in the camera to the memory stick.
	M.S FORMAT	Formats the memory stick.
	FILE ID	Displays and edits the comment information of the reference file stored in the memory stick.
	CAM CODE	Model name information of the reference file stored in the memory stick.
	DATA	Reference file save date information stored in the memory stick.

V02: LENS FILE

Menu screen	Item	Description
<pre> <LENS FILE> →V02 TOP STORE FILE No. : 1 NAME: A10x4.8 </pre>	STORE FILE	Registers the current adjustment values as a lens file selected with “No.” (1 to 16).
	No.	Selects a file corresponding to the mounted lens from the lens file (16 types).
	NAME	Displays and edits the lens name selected with “No.” (1 to 16).

V03: OHB FILE

Menu screen	Item	Description
<pre> <OHB FILE> →V03 TOP STORE FILE </pre>	STORE FILE	Registers the current adjustment values as an OHB file.

V04: SCENE FILE

Menu screen	Item	Description
<pre> <SCENE FILE> →V04 TOP 1 2 3 4 5 STORE STANDARD MEMORY STICK READ (MS →CAM) WRITE (CAM→MS) FILE ID : CAM CODE DATE </pre>	1 to 5, STORE	When STORE operation is not used: Call the relevant scene file using the file number selection menu. After that, the indication of “STORE” is highlighted. To cancel the call, select the file number again. When STORE operation is used: Place the cursor at “STORE” and turn the CANCEL/ENTER lever to the ENTER side. A message “STORE NO?” appears and the indication of "STORE" is highlighted. Save the relevant scene file using the file number selection menu.
	STANDARD	Calls the registered reference file.
	READ (MS → CAM)	Reads the scene file from the memory stick and transfers it to the camera.
	WRITE (CAM → MS)	Acquires the scene file stored in the camera using the file transfer, and writes it to the memory stick.
	FILE ID	Comment information of the reference file stored in the memory stick. It can be edited from the menu.
	CAM CODE	Model name information of the scene file stored in the memory stick.
	DATE	Scene file save date information stored in the memory stick.

V05: VIDEO LEVEL

Menu screen	Item	Setting
<pre> <VIDEO LEVEL> →V05 TOP [R] [G] [B] [M] WHITE : 0 0 0 0 BLACK : 0 0 0 0 FLARE : 0 0 0 0 GAMMA : 0 0 0 0 V MOD : 0 0 0 0 FLARE : ON V MOD : ON D.SHAD : OFF TEST : OFF </pre>	WHITE R/G/B	±99
	BLACK R/G/B/M	±99
	FLARE R/G/B	±99
	GAMMA R/G/B/M	±99
	V MOD R/G/B/M	±99
	FLARE	ON/OFF
	V MOD	ON/OFF
	D.SHAD	ON/OFF
	TEST	OFF/1/2

V06: GAMMA

Menu screen	Item	Setting
<GAMMA> →V06 TOP [R] [G] [B] [M] LEVEL : 0 0 0 0 COARSE : 0.45 GAMMA TYPE : 5 BVW-400 GAMMA : ON TEST : OFF	LEVEL R/G/B/M	±99
	COARSE	0.90 to 0.35
	GAMMA TYPE	0 to 8
		Type Name
		0 ----
		1 ×3.5
		2 ×4.5
		3 CAMCORDER
		4 ×5.0
		5 BVW-400
		6 SMPTE-240M
		7 ITU-R709
		8 FILM
	GAMMA	ON/OFF
	TEST	OFF/1/2

V07: BLACK GAMMA

Menu screen	Item	Setting
<BLACK GAMMA> →V07 TOP LEVEL : 0 RANGE : HIGH : OFF	LEVEL RANGE	±99 LOW/MID L/MID H/HIGH ON/OFF

V08: KNEE

Menu screen	Item	Setting
<KNEE> →V08 TOP [R] [G] [B] [M] K POINT : 0 0 0 0 K SLOPE : 0 0 0 0 KNEE : ON KNEE MAX : OFF KNEE SAT : 0 : OFF AUTO KNEE : OFF POINT LIMIT : 0 SLOPE : 0	K POINT R/G/B/M	±99
	K SLOPE R/G/B/M	±99
	KNEE	ON/OFF
	KNEE MAX	ON/OFF
	KNEE SAT	±99 ON/OFF
	AUTO KNEE	OFF/AUTO
	POINT LIMIT	±99
	SLOPE	±99

V09: WHITE CLIP

Menu screen	Item	Setting
<pre> <WHITE CLIP> →V09 TOP W-CLIP : [R] [G] [B] [M] : 0 0 0 0 : ON </pre>	W-CLIP R/G/B/M	±99 ON/OFF

V10: USER MATRIX

Menu screen	Item	Setting
<pre> <USER MATRIX> →V10 TOP R : [-R] [-G] [-B] G : -- 0 0 B : 0 -- 0 MATRIX : OFF PRESET : --- USER MATRIX : --- ADAPTIVE MATRIX : --- </pre>	MATRIX R-G/R-B	±99
	MATRIX G-R/G-B	±99
	MATRIX B-R/B-G	±99
	MATRIX	ON/OFF
	PRESET	ON/OFF
	USER MATRIX	ON/OFF
	ADAPTIVE MATRIX	ON/OFF

V11: MULTI MATRIX

Menu screen	Item	Setting	Description
<pre> <MULTI MATRIX> →V11 TOP PHASE : 0 HUE : 0 SAT : 0 ALL CLEAR MATRIX : OFF PRESET : --- MULTI MATRIX : --- </pre>	PHASE	0, 23, 45, 68, 90, 113, 135, 158, 180, 203, 225, 248, 270, 293, 315, 338	Selects an angle (from 16 angles) that varies the multi-matrix correction function.
	HUE	±99	Adjusts the multi-matrix correction value of hue for each PHASE (16 angles).
	SAT	±99	Adjusts the multi-matrix correction value of saturation for each PHASE (16 angles).
	ALL CLEAR		Clears HUE and SAT of all 16 angles to 0.
	MATRIX	ON/OFF	
	PRESET	ON/OFF	
	MULTI MATRIX	ON/OFF	

V12: DETAIL 1

Menu screen	Item		Setting
<pre> <DETAIL 1> →V12 TOP DETAIL : ON LEVEL : 0 LIMITER [M] : 0 [WHT] : 0 [BLK] : 0 CRISP : 0 LVL DEP : 0 : ON </pre>	DETAIL		ON/OFF
	LEVEL		±99
	LIMITER	[M]	±99
		[WHT]	±99
		[BLK]	±99
	CRISP		±99
	LEVEL DEP		±99 ON/OFF

V13: DETAIL 2

Menu screen	Item	Setting
<DETAIL 2> →V13 TOP H/V RATIO : 0 FREQ : 0 MIX RATIO : 0 FINE DTL : 0 : OFF KNEE APT : 0 : OFF DTL COMB : 0	H/V RATIO	±99
	FREQ	±99
	MIX RATIO	±99
	FINE DTL	±99
		ON/OFF
	KNEE APT	±99
		ON/OFF
	DTL COMB	±99

V14: SKIN DETAIL

This unit controls only channel [1].

Menu screen	Item	Setting	Description
<SKIN DETAIL> →V14 TOP SKIN DTL : OFF SKIN GATE : OFF CH SW : [1] [2] [3] : (ON) OFF OFF HUE : AUTO AUTO AUTO PHASE : 0 0 0 WIDTH : 29 29 29 SAT : -89 -89 -89 LEVEL : 0 0 0	SKIN DTL	ON/OFF	
	SKIN GATE	ON/OFF	
	CH SW 1/2/3	ON/OFF	
	HUE 1/2/3		Place the cursor at “AUTO” and turn the CANCEL/ENTER lever to the ENTER side. A message “AUTO HUE1:STANDBY” appears and the cursor changes to “?”. When the CANCEL/ENTER lever is turned to the ENTER side again, AUTO HUE is executed.
	PHASE 1/2/3	0, 359 to 270 to 180 to 90	The setting value decreases when the rotary encoder is rotated clockwise.
	WIDTH 1/2/3	±99	
	SAT 1/2/3	±99	
	LEVEL 1/2/3	±99	

V15: SHUTTER

Menu screen	Item	Setting
<SHUTTER> →V15 TOP SHUTTER : OFF : 1/100 ECS FREQ : 60.00Hz EVS : OFF	SHUTTER (SPEED)	ON/OFF 1/100 → 1/125 → ... → 1/2000 → ECS → 1/100
	ECS FREQ	
	EVS	ON/OFF

V16: LOW KEY SAT

Menu screen	Item	Setting
<LOW KEY SAT> →V16 TOP LEVEL : 0 RANGE : HIGH : OFF TEST : OFF	LEVEL	±99
	RANGE	LOW/MID L/MID H/HIGH ON/OFF
	TEST	OFF/1/2

V17: CROSS COLOR

Menu screen	Item	Setting
<CROSS COLOR> →V17 TOP SUPPRESSION : 0 : OFF	SUPPRESSION	±99 ON/OFF

V18: SD GAMMA

Menu screen	Item	Setting
<SD GAMMA> →V18 TOP M-GAMMA : 0 PEDESTAL: [R] [G] [B] 0 0 0	M-GAMMA	±99
	PEDESTAL R/G/B	±99

V19: SD DETAIL 1

Menu screen	Item	Setting
<SD DETAIL 1> →V19 TOP DETAIL : ON LEVEL : 0 LIMITER [MST] : 0 [WHT] : 0 [BLK] : 0 CRISP : 0	DETAIL	ON/OFF
	LEVEL	±99
	LIMITER	[MST] ±99
		[WHT] ±99
		[BLK] ±99
	CRISP	±99

V20: SD DETAIL 2

Menu screen	Item	Setting
<pre> <SD DETAIL 2> →V20 TOP H-DETAIL FREQ : 0 H/V RATIO : 0 V-DTL MODE : H/V DTL COMB : 0 LEVEL DEP : 0 LEVEL DEP GAIN: 0 </pre>	H-DETAIL FREQ	±99
	H/V RATIO	±99
	V-DTL MODE	H/V, V ONLY
	DTL COMB	±99
	LEVEL DEP	±99
	LEVEL DEP GAIN	±99

V21: SD CROSS COLOR

Menu screen	Item	Setting
<pre> <SD CROSS COLOR>→V21 TOP CCR : OFF CCR LEVEL : 0 CCR CORING: 0 </pre>	CCR	ON/OFF
	CCR LEVEL	±99
	CCR CORING	±99

V22: SD USER MATRIX

Menu screen	Item	Setting
<pre> <SD USER MATRIX>→V22 TOP [-R] [-G] [-B] [R] : -- : 0 : 0 [G] : 0 : -- : 0 [B] : 0 : 0 : -- MATRIX : OFF PRESET MATRIX: ON USER MATRIX : OFF </pre>	R-G/R-B	±99
	G-R/G-B	±99
	B-R/B-G	±99
	MATRIX	ON/OFF
	PRESET MATRIX	ON/OFF
	USER MATRIX	ON/OFF

V23: SD MULTI MATRIX

Menu screen	Item	Setting	Description
<pre> <SD MULT MATRIX>→V23 TOP PHASE : 0 (0) HUE : 0 SATURATION : 0 ALL PRESET MATRIX : OFF PRESET MATRIX: ON MULTI MATRIX : OFF </pre>	PHASE	0, 23, 45, 68, 90, 113, 135, 158, 180, 203, 225, 248, 270, 293, 315, 338	Selects an angle (from 16 angles) that varies the SD multi-matrix correction function.
	HUE	±99	Adjusts the SD multi-matrix correction value of hue for each PHASE (16 angles).
	SATURATION	±99	Adjusts the SD multi-matrix correction value of saturation for each PHASE (16 angles).
	ALL PRESET		
	MATRIX	ON/OFF	
	PRESET MATRIX	ON/OFF	
	MULTI MATRIX	ON/OFF	

V24: BLACK SHADING

Menu screen	Item	Setting	Description
<BLACK SHADING> →V24 TOP [R] [G] [B] [M] V SAW : 0 0 0 V PARA : 0 0 0 H SAW : 0 0 0 H PARA : 0 0 0 BLK SET : 0 0 0 BLACK : 0 0 0 0 MASTER GAIN: 0dB AUTO BLACK SHADING GAIN BOUNCE: OFF	V SAW R/G/B	±99	
	V PARA R/G/B	±99	
	H SAW R/G/B	±99	
	H PARA R/G/B	±99	
	BLK SET R/G/B	±99	
	BLACK R/G/B/M	±99	
	MASTER GAIN	−3dB to +12dB	
	AUTO BLACK SHADING		To execute: Place the cursor at “AUTO BLACK SHADING”, and turn the CANCEL/ENTER lever to the ENTER side. To cancel: Turn the CANCEL/ENTER lever to the ENTER side during execution.
	GAIN BOUNCE	ON/OFF	

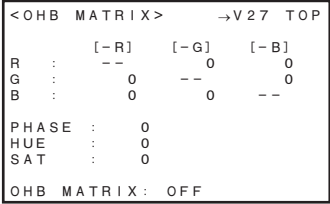
V25: WHITE SHADING

Menu screen	Item	Setting	Description
<WHITE SHADING> →V25 TOP [R] [G] [B] V SAW : 0 0 0 V PARA : 0 0 0 H SAW : 0 0 0 H PARA : 0 0 0 WHITE : 0 0 0 AUTO WHITE SHADING WHITE SHAD MODE: RGB	V SAW R/G/B	±99	
	V PARA R/G/B	±99	
	H SAW R/G/B	±99	
	H PARA R/G/B	±99	
	WHITE R/G/B	±99	
	AUTO WHITE SHADING		To execute: Place the cursor at “AUTO WHITE SHADING” and turn the CANCEL/ENTER lever to the ENTER side. To cancel: Turn the CANCEL/ENTER lever to the ENTER side during execution.
	WHITE SHAD MODE	RB/RGB	

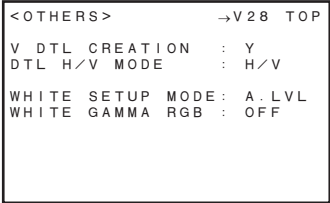
V26: AUTO IRIS

Menu screen	Item	Setting
<AUTO IRIS> →V26 TOP WINDOW : 1 IRIS LEVEL : 0 APL RATIO : 65 IRIS GAIN : 0 AUTO IRIS : OFF	WINDOW	1 to 6
	IRIS LEVEL	±99
	APL RATIO	±99
	IRIS GAIN	±99
	AUTO IRIS	ON/OFF

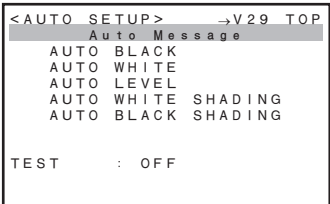
V27: OHB MATRIX

Menu screen	Item	Setting	Description
	R-G/R-B	±99	
	G-R/G-B	±99	
	B-R/B-G	±99	
	PHASE	0, 23, 45, 68, 90, 113, 135, 158, 180, 203, 225, 248, 270, 293, 315, 338	Selects an angle (from 16 angles) that varies the OHB matrix correction function.
	HUE	±99	Adjust the OHB multi-matrix correction value of hue for each PHASE (16 angles).
	SAT	±99	Adjusts the OHB multi-matrix correction value of saturation for each PHASE (16 angles).
	OHB MATRIX	ON/OFF	

V28: OTHERS

Menu screen	Item	Setting
	V DTL CREATION	NAM/G/R+G/Y
	DTL H/V MODE	H/V, V ONLY
	WHITE SETUP MODE	A.LVL/RGB
	WHITE GAMMA RGB	ON/OFF

V29: AUTO SETUP

Menu screen	Item	Setting	Description
	AUTO BLACK		To execute: Place the cursor at the item to be adjusted. Turn the CANCEL/ENTER lever to the ENTER side. To cancel: Turn the CANCEL/ENTER lever to the ENTER side during execution.
	AUTO WHITE		
	AUTO LEVEL		
	AUTO WHITE SHADING		
	AUTO BLACK SHADING		
	TEST	OFF/1/2	

The following messages are displayed in the shaded Auto Message.

Adjustment item	Preparation for execution	During execution	Normal end	Abnormal end	Cancel
AUTO BLACK	—	ABB: EXECUTING	ABB: OK	ABB: NG	ABB: BREAK
AUTO WHITE	—	AWB: EXECUTING	AWB: OK	AWB: NG	AWB: BREAK
AUTO LEVEL	—	LEVEL AUTO: EXECUTING	LEVEL AUTO: OK	LEVEL AUTO: NG	LEVEL AUTO: BREAK
AUTO WHITE SHADING	—	AWS: EXECUTING	AWS: OK	AWS: NG	AWS: BREAK
AUTO BLACK SHADING	—	ABS: EXECUTING	ABS: OK	ABS: NG	ABS: BREAK

V30: CCU VIDEO

Menu screen	Item	Setting	Description
<CCU VIDEO> →V30 TOP VBS CHROMA : ON MONO COLOR : OFF PHASE : 0 SATURATION : 0	VBS CHROMA	ON/OFF	
	MONO COLOR	ON/OFF	
	PHASE	0, 359 to 270 to 180 to 90	The setting value decreases when the rotary encoder is rotated clockwise.
	SATURATION	±99	

4-3. MAINTENANCE Menu

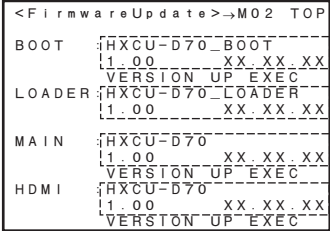
M01: SERIAL NO SET

Menu screen	Item	Setting	Description
<SERIAL NO SET> →M01 TOP SERIAL NO:00000000 NAME: HXCU-D70 DEST: SYL WRITE EDIT CANCEL TIMER-RESET FACTORY-RECALL	SERIAL NO	00000000 to 99999999	The setup information is stored in the EEPROM (IC309) on the DPR-337 board.
	NAME	HXCU-D70	
	DEST	SYL Common J Japan UC United States CE Europe	
	WRITE		Writes the above setup information to the EEPROM. Place the cursor at "WRITE" and turn the CANCEL/ENTER lever to the ENTER side. A message "SERIAL NO WRITE OK?" appears. Turn the CANCEL/ENTER lever to the ENTER side again to perform the processing.
	EDIT CANCEL		Restores the setup information during editing to the previous information before editing. Place the cursor at "EDIT-CANCEL" and turn the CANCEL/ENTER lever to the ENTER side. A message "EDIT DATA CANCEL OK?" appears. Turn the CANCEL/ENTER lever to the ENTER side again to perform the processing.
	TIME-RESET		Resets the timer for displaying power-on hours.
	FACTORY-RECALL		Resets all the setting values except the following items to the factory settings. - Media access control (MAC) address - Serial number - Power-on hours display timer - Setting values stored in the EEPROM on the DPR-337 board through the PLD.

Processing result indication

Setting Item	Normal end	Abnormal end	Description
WRITE	SERIAL NO WRITE OK	MODEL NAME IS WRONG	The NAME (model name) setting is not correct.
		DEST NAME IS WRONG	The DEST (destination) setting is not correct.
		SERIAL NO WRITE NG	Data cannot be written to the EEPROM.
EDIT-CANCEL	EDIT DATA CANCEL OK	—	

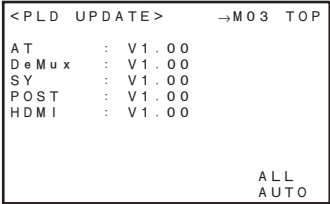
M02: FIRMWARE UPDATE

Menu screen	Item	Description
	BOOT	BOOT version information.
	VERSION UP EXEC	Place the cursor at “VERSION UP EXEC” and turn the CANCEL/ENTER lever to the ENTER side. A message “UPDATE BOOT BLOCK ?” appears. Turn the CANCEL/ENTER lever to the ENTER side again to perform the processing.
	LOADER	LOADER version information.
	MAIN	MAIN version information.
	VERSION UP EXEC	Place the cursor at “VERSION UP EXEC” and turn the CANCEL/ENTER lever to the ENTER side. A message “UPDATE BOOT BLOCK ?” appears. Turn the CANCEL/ENTER lever to the ENTER side again to perform the processing.
	HDMI	HDMI version information.
	VERSION UP EXEC	Place the cursor at “VERSION UP EXEC” and turn the CANCEL/ENTER lever to the ENTER side. A message “UPDATE BOOT BLOCK ?” appears. Turn the CANCEL/ENTER lever to the ENTER side again to perform the processing.

If an error is detected during memory stick read operation, any of the following messages is displayed.

- MS NOT FOUND: Memory stick is not inserted.
- MS-FILE NOT FOUND: The target file is not found in the memory stick.
- MS-FILE SIZE ERR: File size is not correct.
- MS-FILE READ ERR: Memory stick read error.

M03: PLD UPDATE

Menu screen	Item	Description
	AT	AT version information.
	DeMux	DeMux version information.
	SY	SY version information.
	POST	POST version information.
	HDMI	HDMI version information.
	ALL	Upgrades all ROM files stored in the Memory Stick.
	AUTO	Upgrades only files later than the current version of relevant ROMs in the Memory Stick.

M04: OTHERS

Menu screen	Item	Setting
<pre> <OTHERS> →M04 TOP CAM POWER REMOTE :NORMAL REFERENCE MODE :AUTO RX RESET MODE :AUTO RX WARNING :ACTIVE SDI-MONI :MONI HDMI-MONI :MONI FORMAT-ID :NEW GRAY LINE :OFF PC CONTROL :DISABLE DT-BAR :MIX OFF V 1 HC </pre>	CAM POWER REMOTE	NORMAL
	REFERENCE MODE	AUTO/MANUAL
	RX RESET MODE	AUTO/MANUAL
	RX WARNING	ACTIVE
	SDI-MONI	MONI
	HDMI-MONI	MONI
	FORMAT-ID	NEW
	GRAY LINE	ON/OFF
	PC CONTROL	ENABLE/DISABLE
	DT-BAR	MIX OFF

M05: ANALOG VIDEO

VBS/PIX/component signal connector output cropping level adjustment. The setting values are stored in the EEPROM on the DPR-337 board.

Menu screen	Item	Setting	Description
<pre> <ANALOG VIDEO> →M05 TOP TRIM ADJ VBS LEVEL :XX (80) PIX LEVEL :XX (80) S-VIDEO :XX (80) COMPONENT LEVEL RGB/YCD :XX (80) PR/R/R-Y BAL:XX PB/B/B-Y BAL:XX WRITE CLEAR </pre>	VBS LEVEL TRIM	00h to FFh	
	PIX LEVEL TRIM		
	S-VIDEO TRIM		
	COMPONENT LEVEL		
	RGB/YCD TRIM		
	PR/R/R-Y BAL TRIM	00h to FFh	
	PB/B/B-Y BAL TRIM		
	VBS LEVEL ADJ		
	VBS LEVEL ADJ		
	S-VIDEO ADJ		
	COMPONENT LEVEL		
	RGB/YCD ADJ		
	PR/R/R-Y BAL ADJ		
	PB/B/B-Y BAL ADJ		
	WRITE		Writes the above cropping setting values to the EEPROM.
	CLEAR		Clears the above adjustment values.

M06: CABLE REF SET

This menu is used to set the reference voltage for detecting CCZ-A cable length. Change this setting only when IC401 on the DPR-337 is replaced.

Note

This adjustment requires the CCZ-A50 cable and the CCZ-A100 cable.

Menu screen	Item	Description
<pre> <CABLE REF SET> →M06 TOP REF-50M :X-XXXV WRITE REF-100M :X-XXXV WRITE RF LEVEL :X-XXXV CABLE LENGTH :XXXXM </pre>	REF-50M	Sets the reference voltage for 50-meter cable.
	REF-100M	Sets the reference voltage for 100-meter cable.
	RF LEVEL	Indication of IC401 Pin 1 output voltage.
	CABLE LENGTH	Cable length detection value.

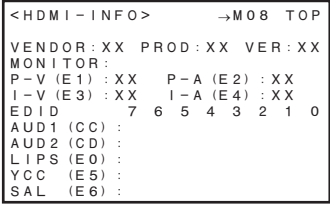
M07: HDMI-OUT

Menu screen	Item	Setting	Description
<pre> <HDMI-OUT> →M07 TOP MODE: AUTO INDEX [05] OUT : (1080/59.94I) TEST TONE: OFF EDID 7 6 5 4 3 2 1 0 STAT (C6): NTSC (C7): PAL (C8): PROG (C9): INTR (CA): INFO (CB): </pre>	MODE	AUTO/MANUAL	Change the HDMI output format.
	INDEX	Refer to HDMI Video List	INDEX No. of HDMI output format.
	OUT	Refer to HDMI Video List	Change the HDMI output format. (It can be changed only in the manual mode.)
	TEST TONE	ON/OFF	ON/OFF of TEST TONE (1kHz/-20dBu).
	EDID		EDID information of connected device.

HDMI Video List

Output format (OUT)		Index No (INDEX)
525/59.94P	RGB	17
720/59.94P	RGB	21
1080/59.94I	RGB	05
525/59.94I	RGB	1D
625/50P	RGB	15
720/50P	RGB	22
1080/50I	RGB	08
625/50I	RGB	1B
525/59.94P	YCbCr	24
720/59.94P	YCbCr	13
1080/59.94I	YCbCr	04
525/59.94I	YCbCr	27
625/50P	YCbCr	23
720/50P	YCbCr	14
1080/50I	YCbCr	07
625/50I	YCbCr	25

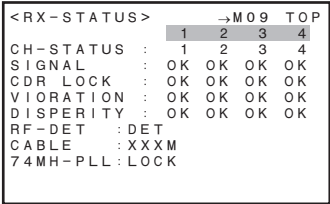
M08: HDMI-INFO

Menu screen	Item	Description
 <pre> <HDMI-INFO> →M08 TOP VENDOR:XX PROD:XX VER:XX MONITOR: P-V(E1):XX P-A(E2):XX I-V(E3):XX I-A(E4):XX EDID 7 6 5 4 3 2 1 0 AUD1(CC): AUD2(CD): LIPS(E0): YCC(E5): SAL(E6): </pre>	VENDOR	Vendor information of connected device.
	PROD	Product information of connected device.
	VER	EDID version of connected device.
	MONITOR	Monitor name of connected device.
	P-V(E1)	Progressive Video Latency.
	P-A(E2)	Progressive Audio Latency.
	I-V(E3)	Interlaced Video Latency.
	I-A(E4)	Interlaced Audio Latency.
	EDID	EDID information of connected device.

M09: RX-STATUS

Note

The shaded area shows the display channels of the S-DATA 1 to S-DATA 4 signals.

Menu screen	Item	Description
 <pre> <RX-STATUS> →M09 TOP CH-STATUS : 1 2 3 4 SIGNAL : OK OK OK OK CDR LOCK : OK OK OK OK VIORATION : OK OK OK OK DISPERITY : OK OK OK OK RF-DET : DET CABLE : XXXM 74MH-PLL : LOCK </pre>	CH-STATUS	Channel status of S-DATA 1 to S-DATA 4 signals. If the coaxial cable between CN-3369 board and DPR-337 board is incorrectly connected, the channel status does not match the displayed channel.
	SIGNAL	Reception status of S-DATA 1 to S-DATA 4 signals at IC400 on the DPR-337 board.
	CDR LOCK	
	VIORATION	
	DISPERITY	
	RF-DET	Reception status of S-DATA 1 signal from the camera. DET: Present NON: Absent
	CABLE	Detected cable length value.
	74MH-PLL	PLL status of S-DATA 1 to S-DATA 4 signals at IC400 on the DPR-337 board. LOCK: Normal NG: Abnormal

Section 5

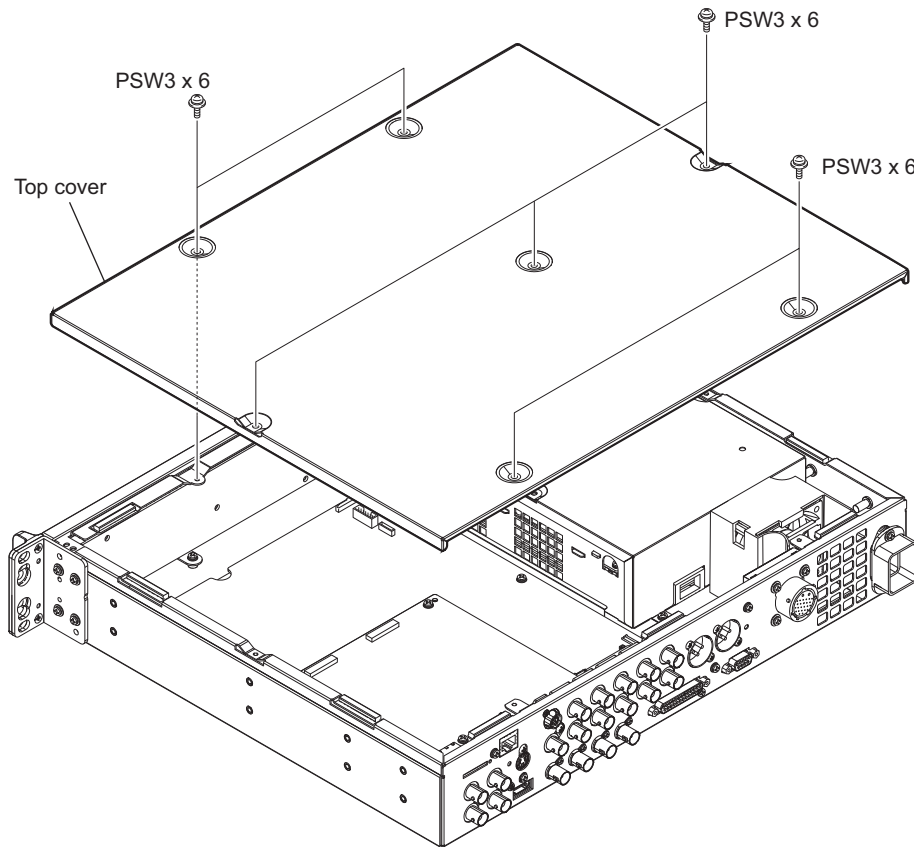
Replacement of Main Parts

This section describes replacement methods for periodic replacement parts, main mechanical parts, and mount boards.

5-1. Top Cover

Procedure

1. Remove the seven screws to detach the top cover.



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

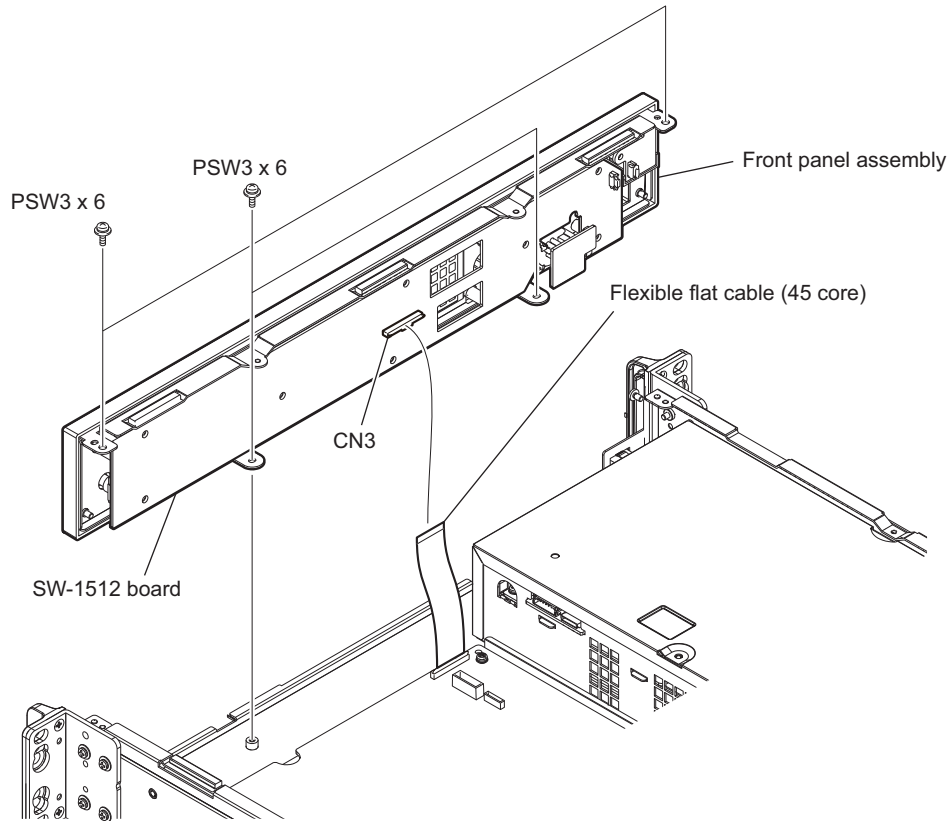
5-2. Front Panel Assembly

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover ”)

Procedure

1. Disconnect the flexible flat cable (45 core) from the connector (CN3) on the SW-1512 board.
2. Remove the four screws to detach front panel assembly.



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

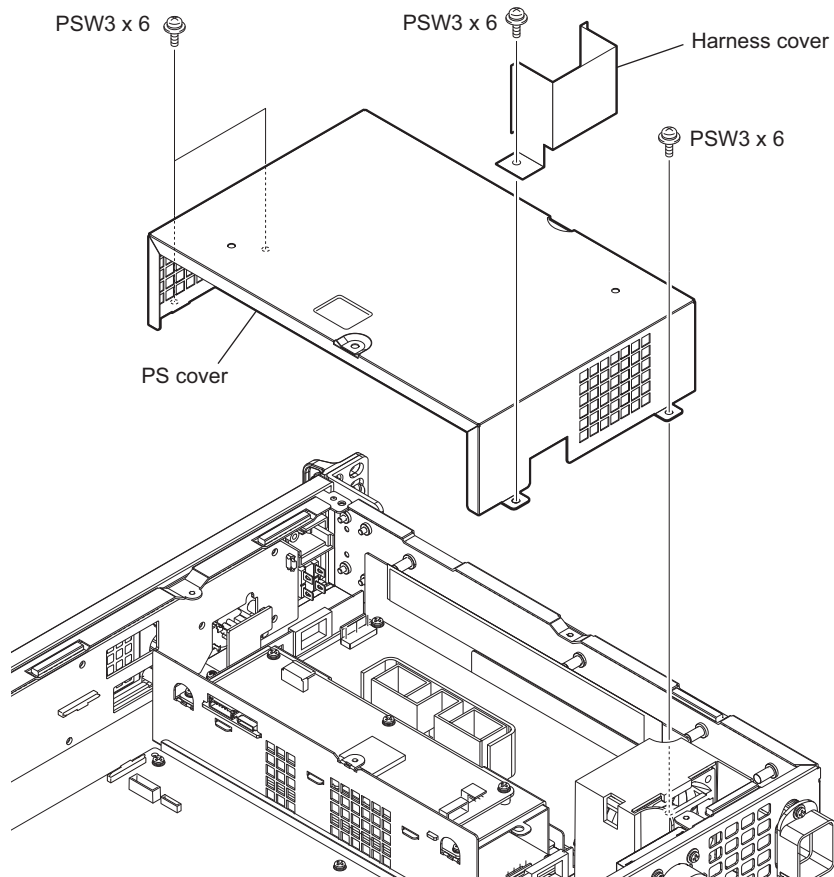
5-3. PS Cover

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)

Procedure

1. Remove the screw to detach the harness cover.
2. Remove the three screws to detach the PS cover.



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

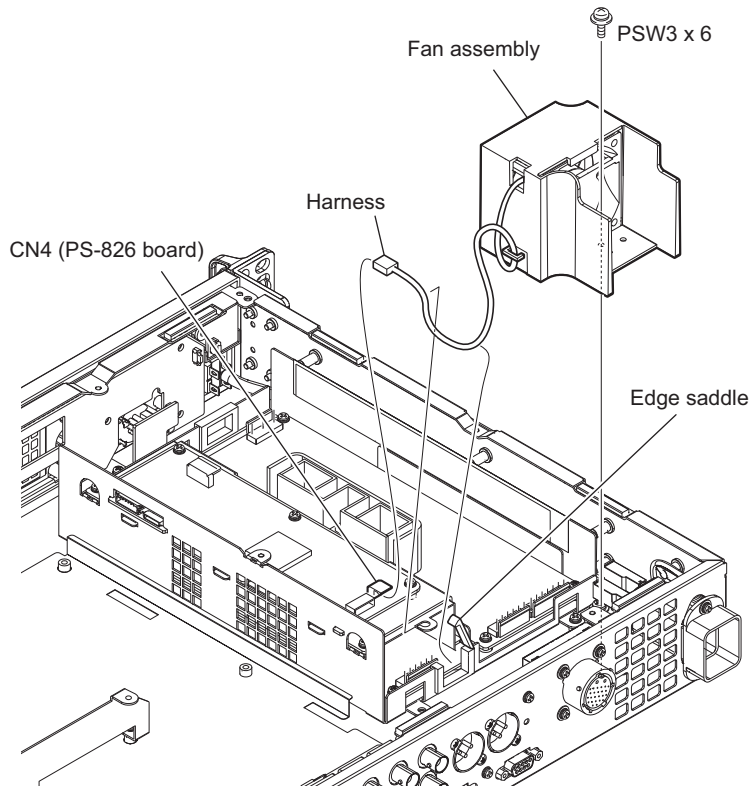
5-4. Fan

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)
2. Remove the PS cover. (Refer to “5-3. PS Cover”)

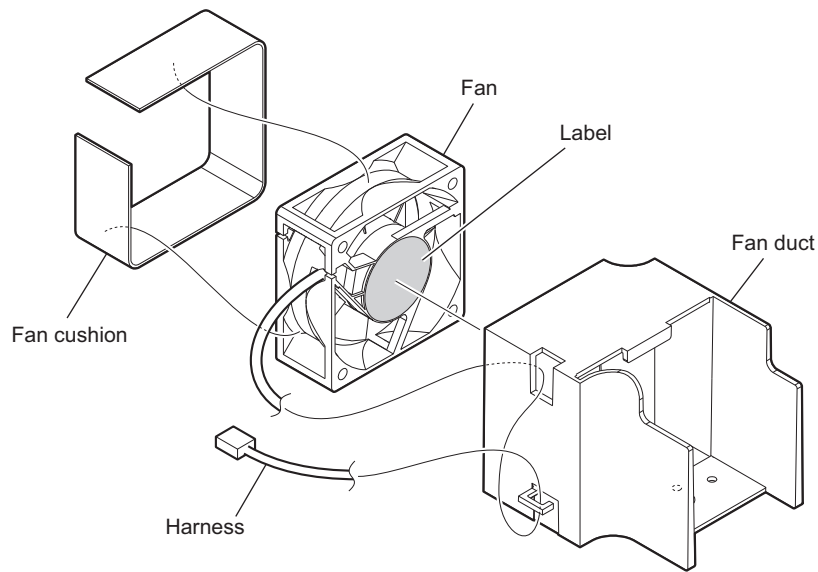
Procedure

1. Open the edge saddle.
2. Disconnect the harness from the connector (CN4) on the PS-826 board.
3. Remove a screw to detach the fan assembly.



4. Remove the fan duct.

5. Remove the fan cushion from the fan.



Notes

- Attach the fan positioning as shown in the figure.
 - Route the fan harness properly as shown in the figure.
6. Install the removed parts by reversing the steps of removal.

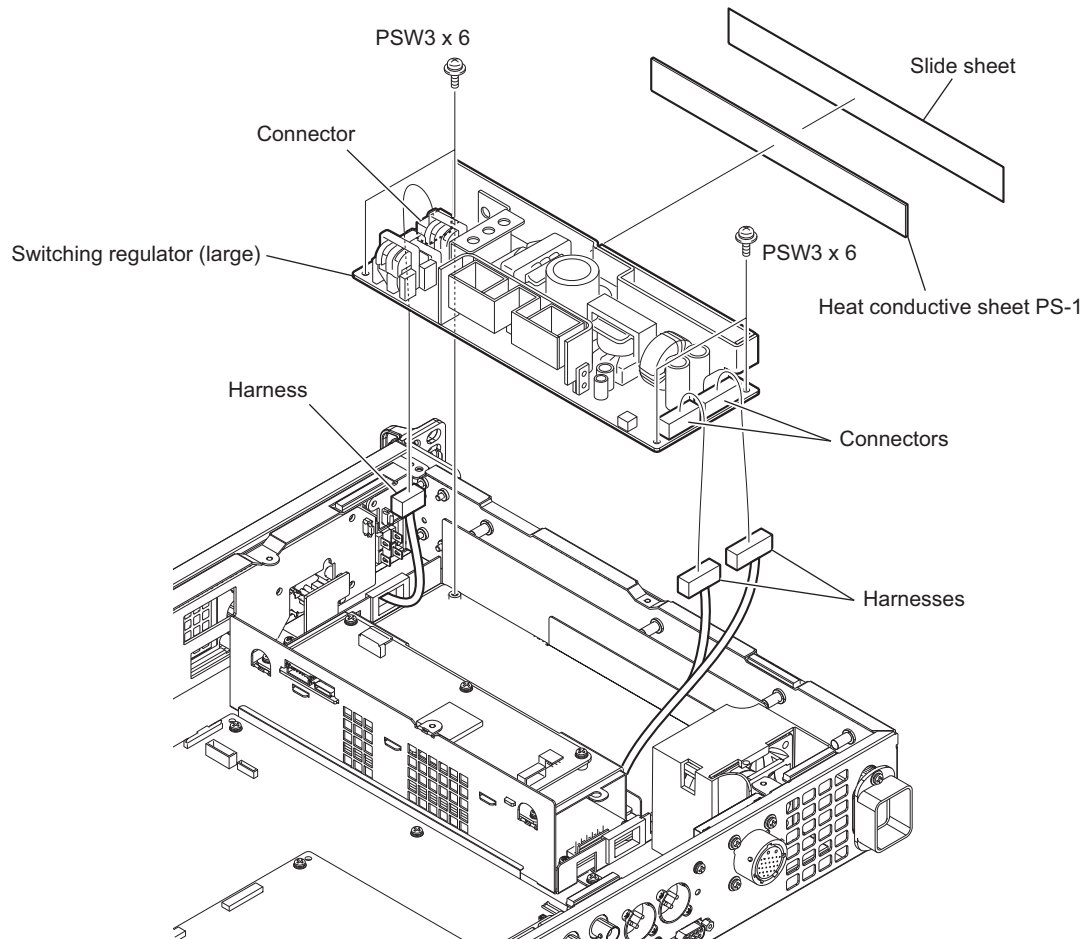
5-5. Switching Regulator (Large)

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)
2. Remove the PS cover. (Refer to “5-3. PS Cover”)

Procedure

1. Disconnect the three harnesses from the three connectors on the switching regulator (Large).
2. Remove the four screws to detach the switching regulator (Large).
3. Remove the slide sheet and heat conductive sheet PS-1 from the switching regulator (Large).



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

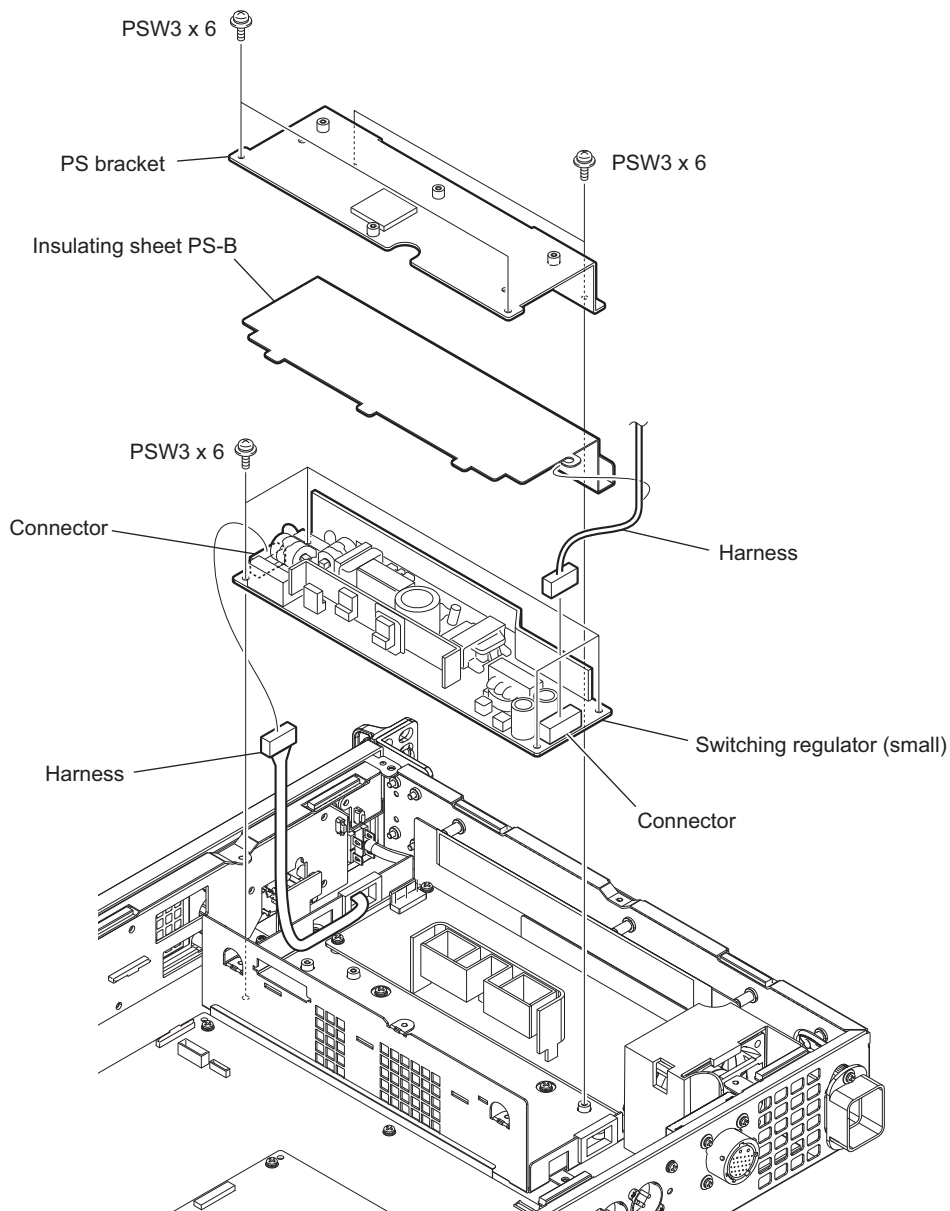
5-6. Switching Regulator (Small)

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)
2. Remove the PS cover. (Refer to “5-3. PS Cover”)
3. Remove the PS-826 board. (Refer to “5-16. PS-826 Board”)

Procedure

1. Remove the four screws to detach the PS bracket.
2. Remove the insulating sheet PS-B.
3. Disconnect the two harnesses from the two connectors on the switching regulator (small).
4. Remove the four screws to detach the switching regulator (small).



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

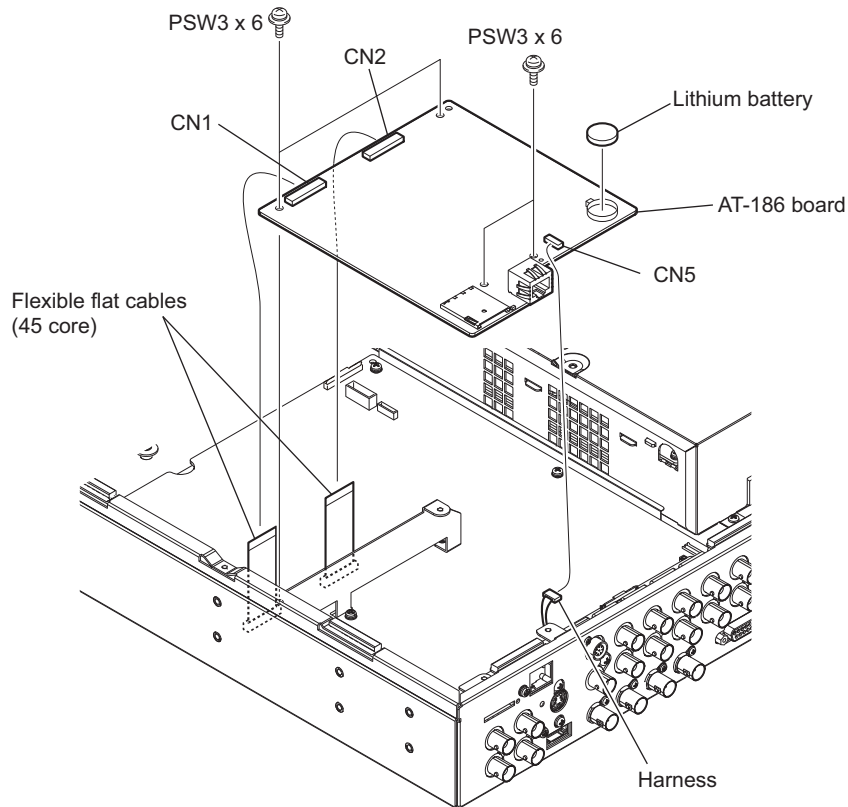
5-7. AT-186 Board/Lithium Battery

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)

Procedure

1. Remove the lithium battery.
2. Disconnect the two flexible flat cables (45 core) from the two connectors (CN1, CN2) on the AT-186 board.
3. Disconnect the harness from the connector (CN5) on the AT-186 board.
4. Remove the four screws to detach the AT-186 board.



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

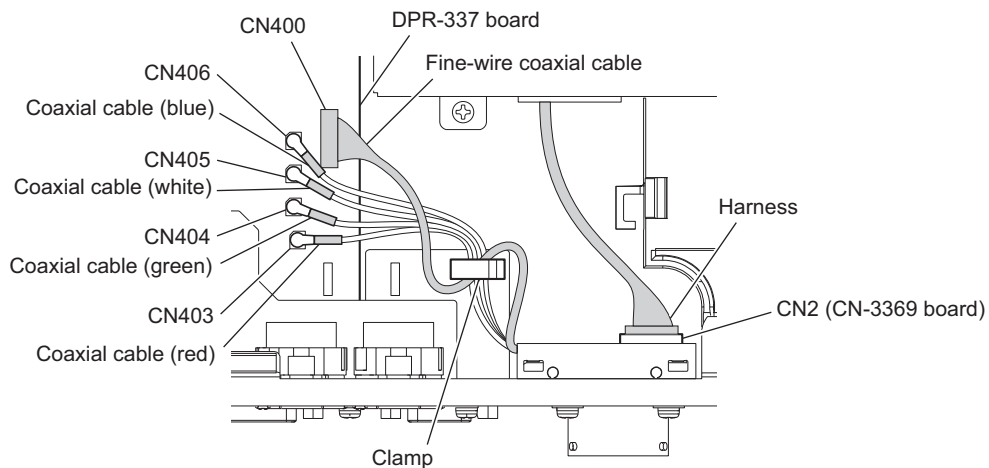
5-8. CN-3369 Board

Preparation

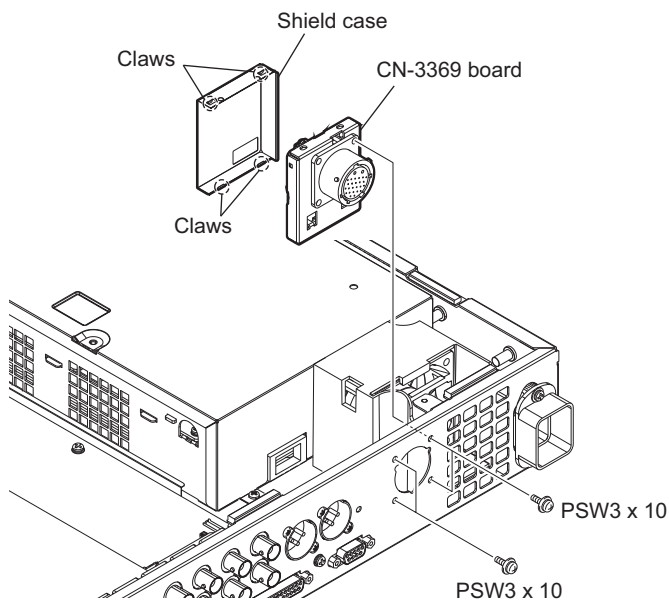
1. Remove the top cover. (Refer to “5-1. Top Cover”)

Procedure

1. Open the clamp.
2. Disconnect the four coaxial cables from the four connectors (CN403, CN404, CN405, and CN406) on the DPR-337 board.
3. Disconnect the fine-wire coaxial cable from the connector (CN400) on the DPR-337 board.
4. Disconnect the harness from the connector (CN2) on the CN-3369 board.

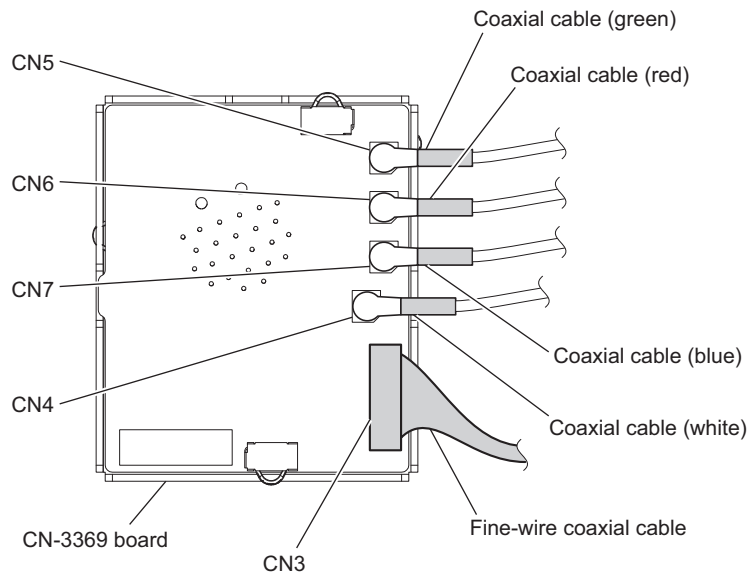


5. Remove the four screws to detach the CN-3369 board.
6. Remove the four claws to detach the shield case from the CN-3369 board.



7. Disconnect the four coaxial cables from the four connectors (CN5, CN6, CN7, and CN4) on the CN-3369 board.

8. Disconnect the fine-wire coaxial cable from the connector (CN3) on the CN-3369 board.



Note

When connecting coaxial cables, pay attention to their colors.

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

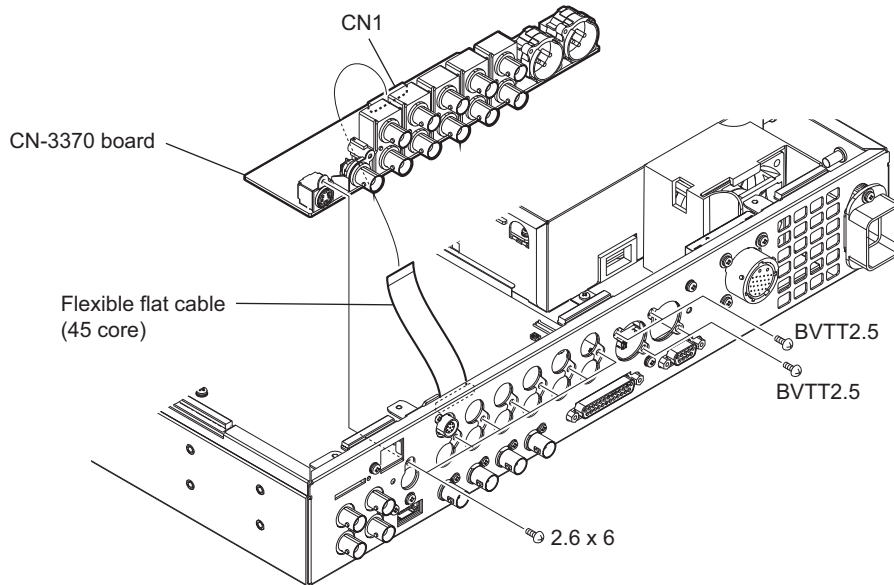
5-9. CN-3370 Board

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)

Procedure

1. Disconnect the flexible flat cable from the connector (CN1) on the CN-3370 board.
2. Remove the seven screws (2.6 x 6) and four screws (BVTT2.5) to detach the CN-3370 board.



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

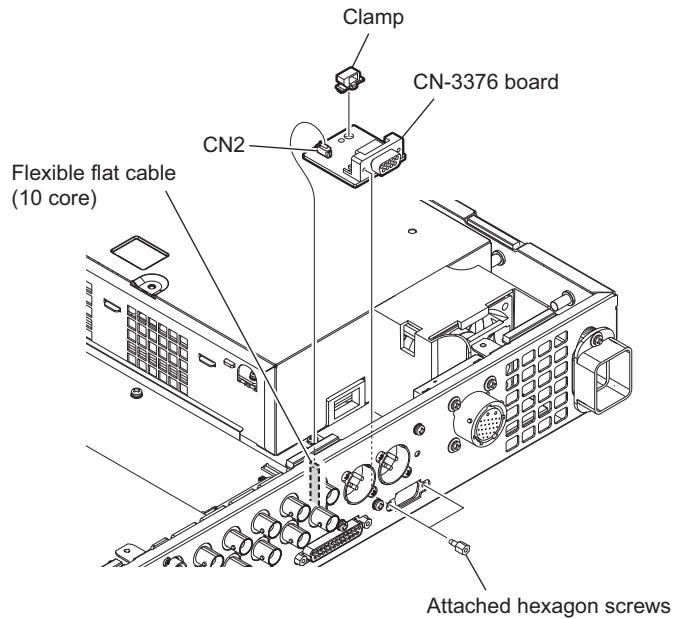
5-10. CN-3376 Board

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)

Procedure

1. Disconnect the flexible flat cable (10 core) from the connector (CN2) on the CN-3376 board.
2. Remove the two attached hexagon screws to detach the CN-3376 board.
3. Remove the clamp from the CN-3376 board.



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

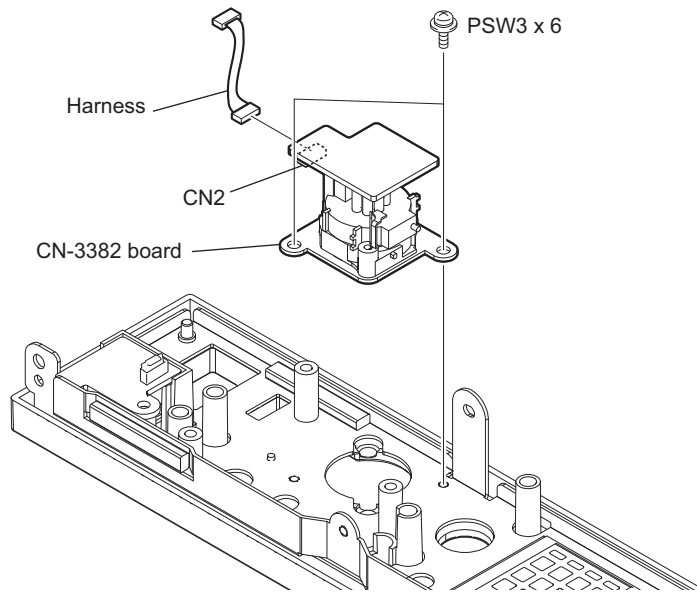
5-11. CN-3382 Board

Preparation

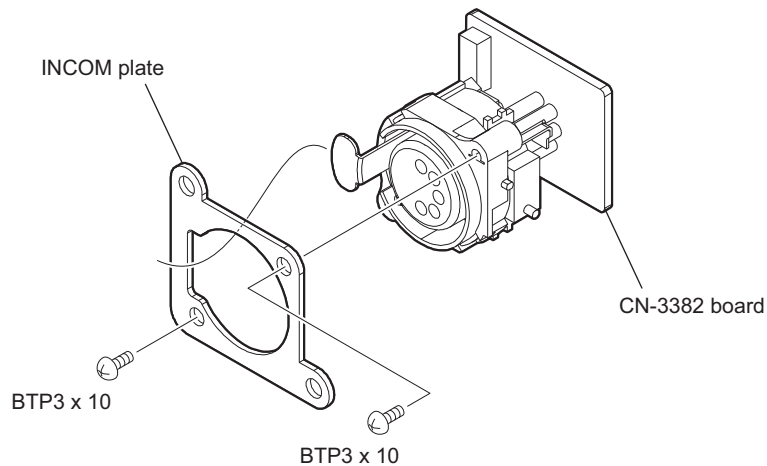
1. Remove the top cover. (Refer to “5-1. Top Cover”)
2. Remove the front panel assembly. (Refer to “5-2. Front Panel Assembly”)
3. Remove the SW-1512 board. (Refer to “5-17. SW-1512 Board”)

Procedure

1. Remove the two screws to detach the CN-3382 board.
2. Disconnect the harness from the connector (CN2) on the CN-3382 board.



3. Remove the two screws to detach the INCOM plate from the CN-3382 board.



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

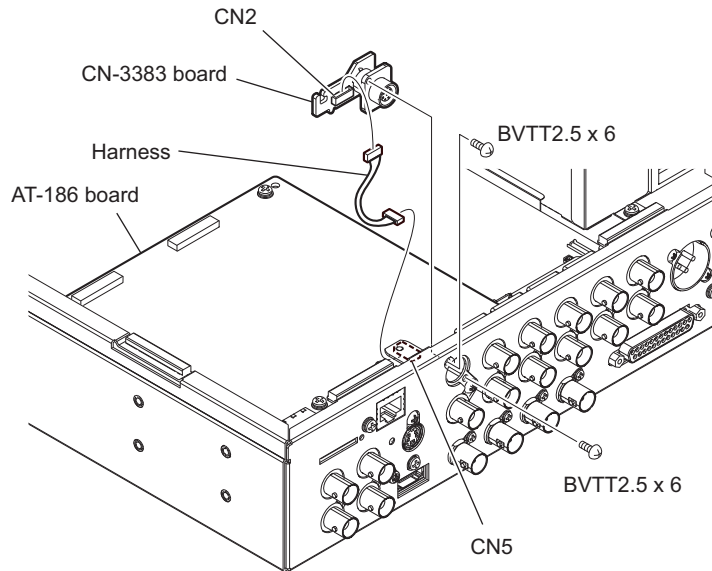
5-12. CN-3383 Board

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)

Procedure

1. Disconnect the harness from the connector (CN5) on the AT-186 board.
2. Remove the two screws to detach the CN-3383 board.
3. Disconnect the harness from the connector (CN2) on the CN-3383 board.



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

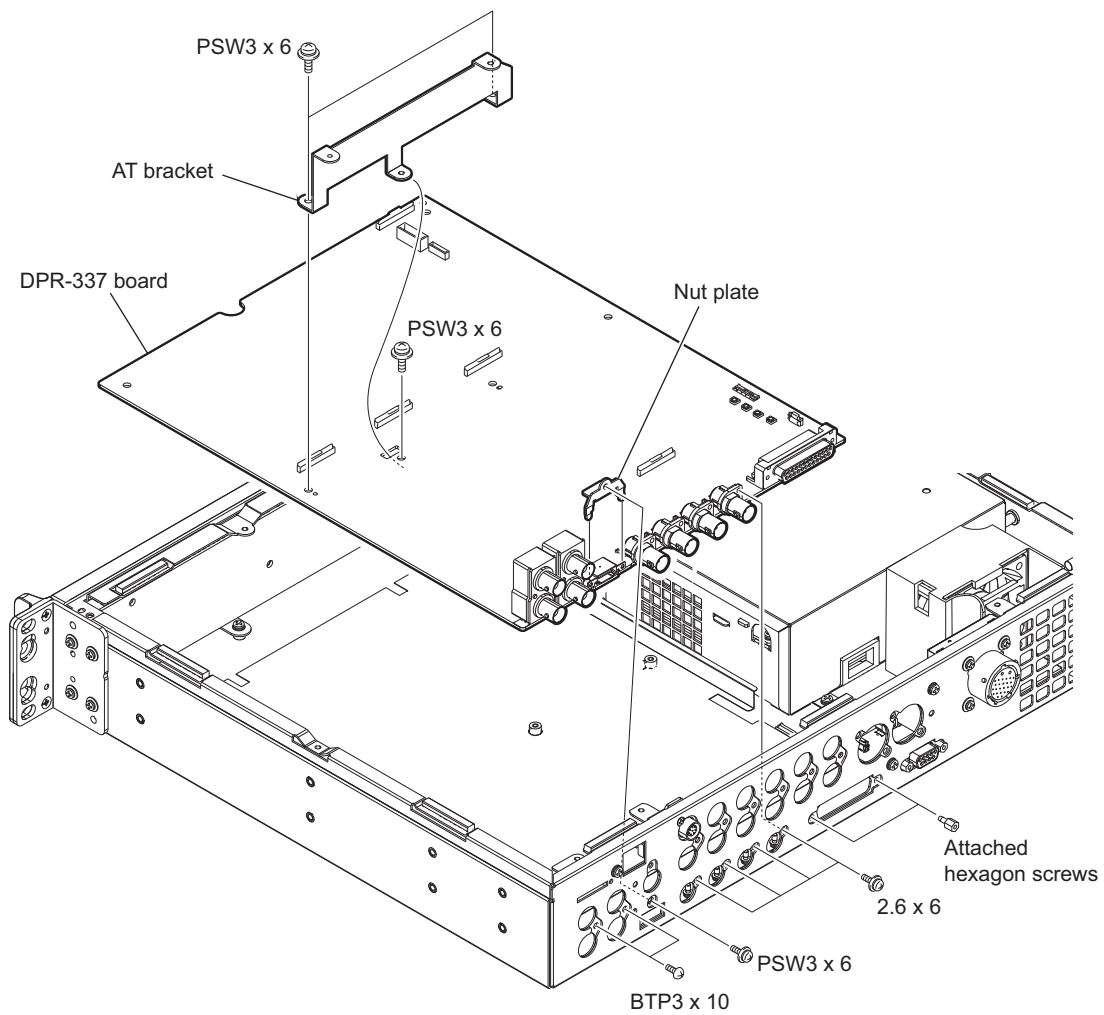
5-13. DPR-337 Board

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)
2. Remove the AT-186 board . (Refer to “5-7. AT-186 Board/Lithium Battery”)
3. Remove the CN-3370 board. (Refer to “5-9. CN-3370 Board”)
4. Remove the CN-3383 board. (Refer to “5-12. CN-3383 Board”)

Procedure

1. Remove the three screws (PSW3 x 6) to detach the AT bracket.
2. Remove the two attached hexagon screws, four screws (2.6 x 6), a screw (PSW3 x 6), and two screws (BTP3 x 10) to detach the nut plate and DPR-337 board.



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

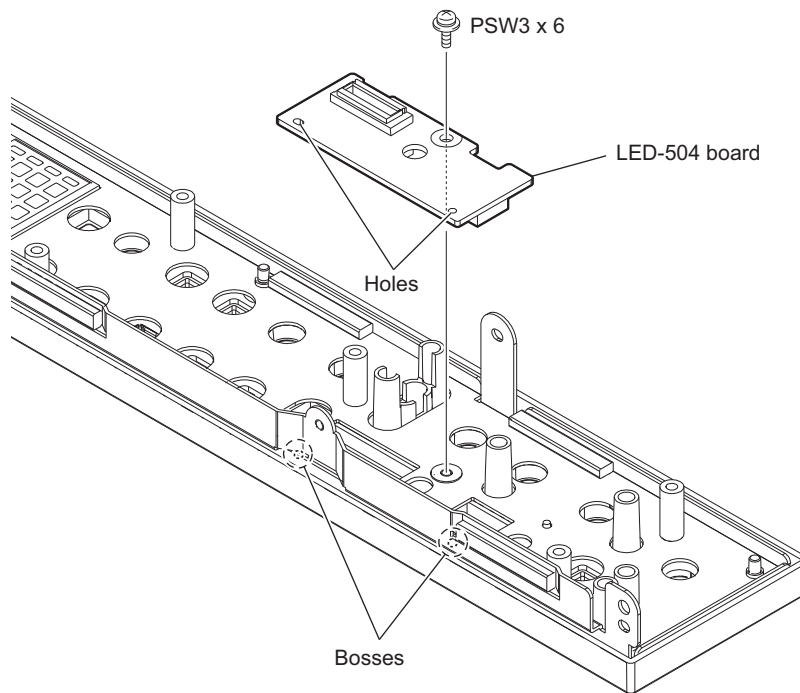
5-14. LED-504 Board

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)
2. Remove the front panel assembly. (Refer to “5-2. Front Panel Assembly”)
3. Remove the SW-1512 board. (Refer to “5-17. SW-1512 Board”)

Procedure

1. Remove a screw to detach the LED-504 board.



Note

When installing the LED-504 board, fit the two bosses with the two holes.

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

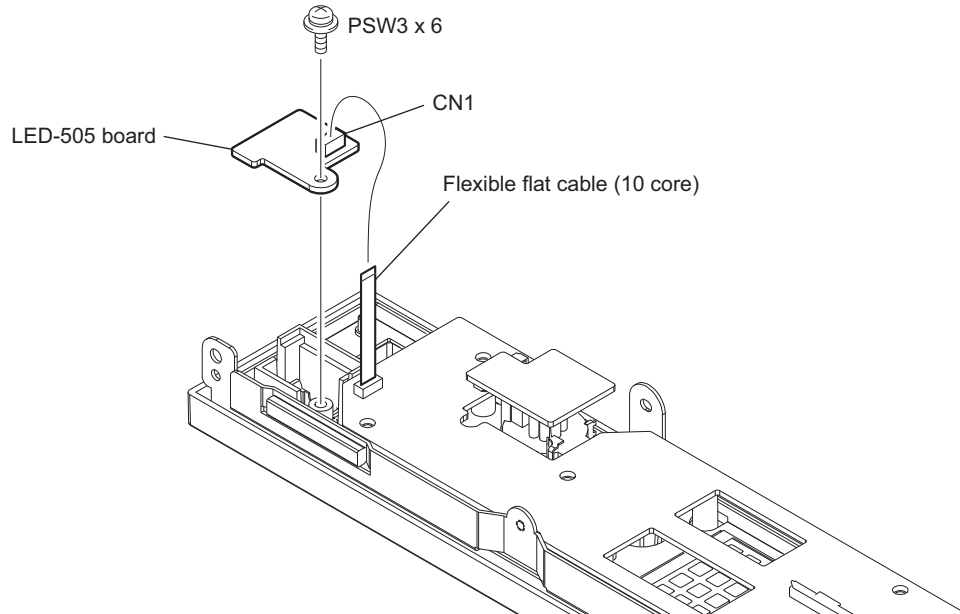
5-15. LED-505 Board

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)
2. Remove the front panel assembly. (Refer to “5-2. Front Panel Assembly”)

Procedure

1. Disconnect the flexible flat cable (10 core) from the connector (CN1) on the LED-505 board.
2. Remove a screw to detach the LED-505 board.



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

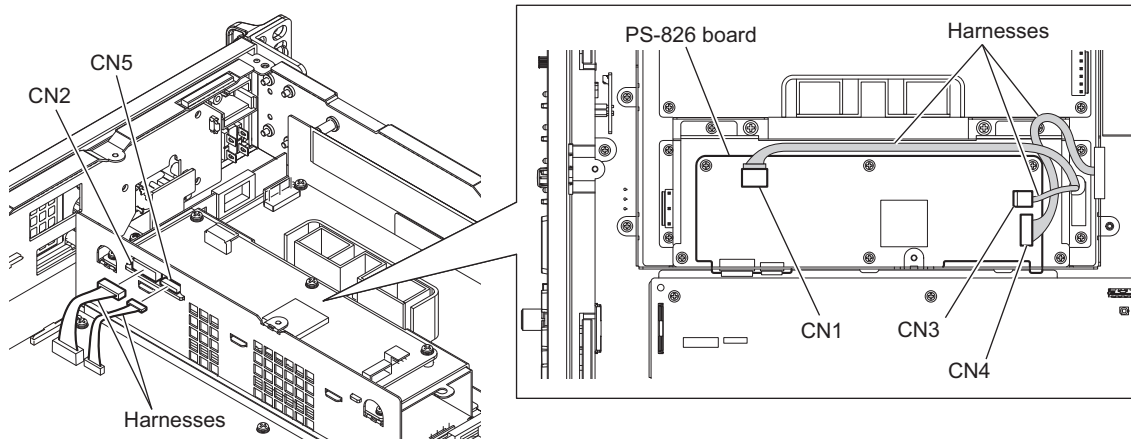
5-16. PS-826 Board

Preparation

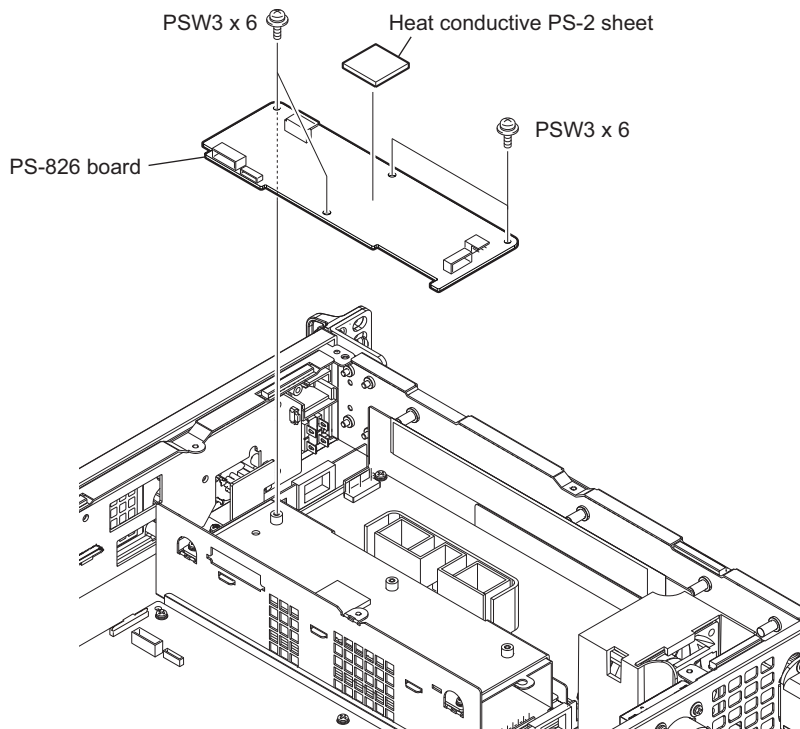
1. Remove the top cover. (Refer to “5-1. Top Cover”)
2. Remove the PS cover. (Refer to “5-3. PS Cover”)

Procedure

1. Disconnect the five harnesses from the five connectors (CN2, CN5, CN1, CN3, and CN4) on the PS-826 board.



2. Remove the four screws to detach the PS-826 board.
3. Remove the heat conductive PS-2 sheet from the PS-826 board.



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

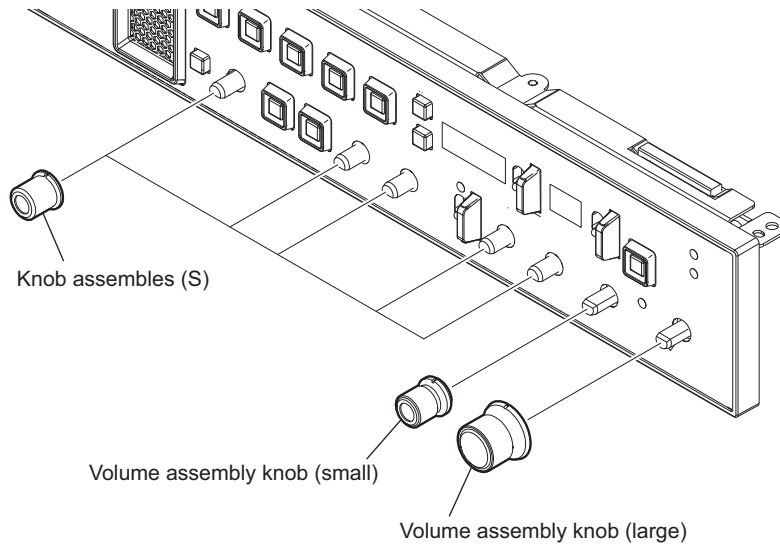
5-17. SW-1512 Board

Preparation

1. Remove the top cover. (Refer to “5-1. Top Cover”)
2. Remove the front panel assembly. (Refer to “5-2. Front Panel Assembly”)

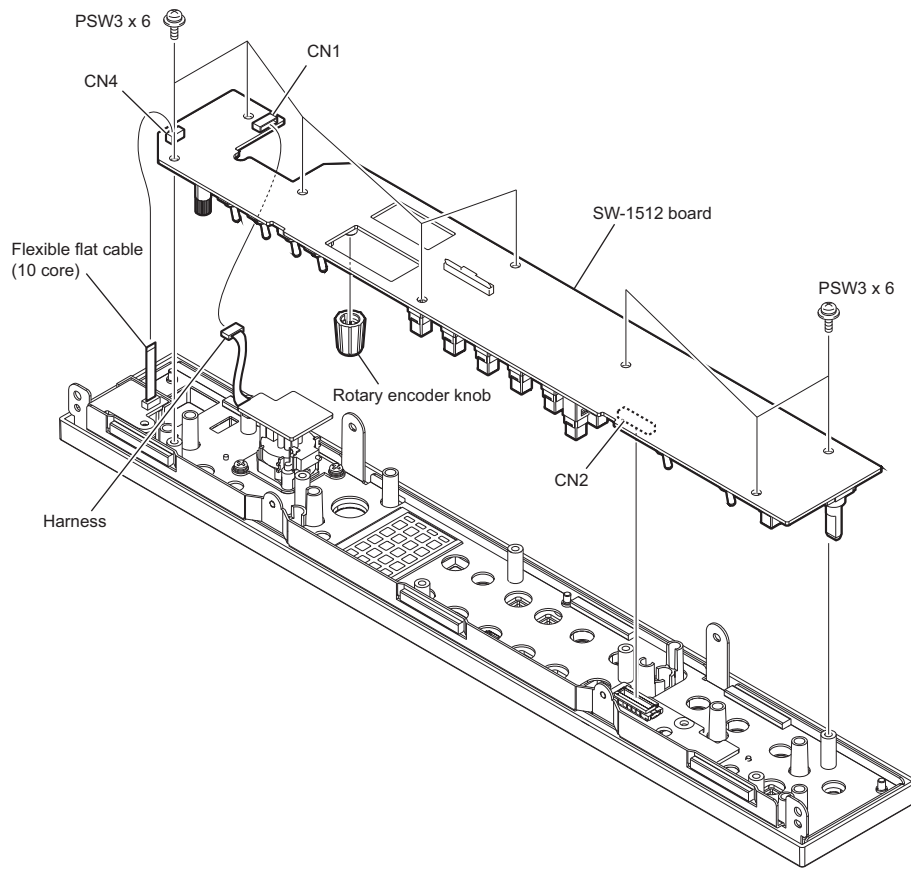
Procedure

1. Remove the five knob assemblies (S), volume assembly knob (small), and volume assembly knob (large).



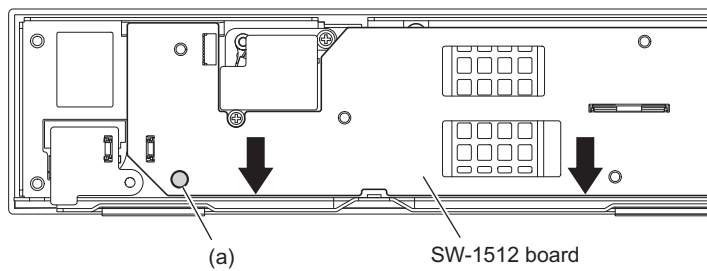
2. Disconnect the flexible flat cable (10 core) from the connector (CN4) on the SW-1512 board.
3. Disconnect the harness from the connector (CN1) on the SW-1512 board.
4. Remove the eight screws to detach SW-1512 board.

5. Remove the rotary encoder knob from SW-1512 board.

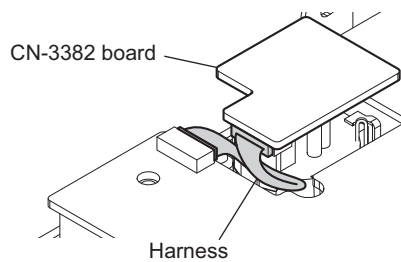


Notes

- When installing the SW-1512 board, tighten the screw (a) first while pushing the SW-1512 board in the arrow direction.



- When installing the SW-1512 board, arrange the harness under the CN-3382 board.



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

Section 6

Electrical Alignment

6-1. Preparations

6-1-1. Equipment Required

- SD waveform/vector monitor
- Analog HD waveform monitor
- Oscilloscope: Tektronix TDS460A or equivalent
- Frequency counter: Advantest TR5821AK or equivalent
- Audio oscillator: Tektronix SG-5010 or equivalent
- Audio analyzer

Related equipment

- HD color camera HXC-D70
- Remote control panel RCP-1500 series

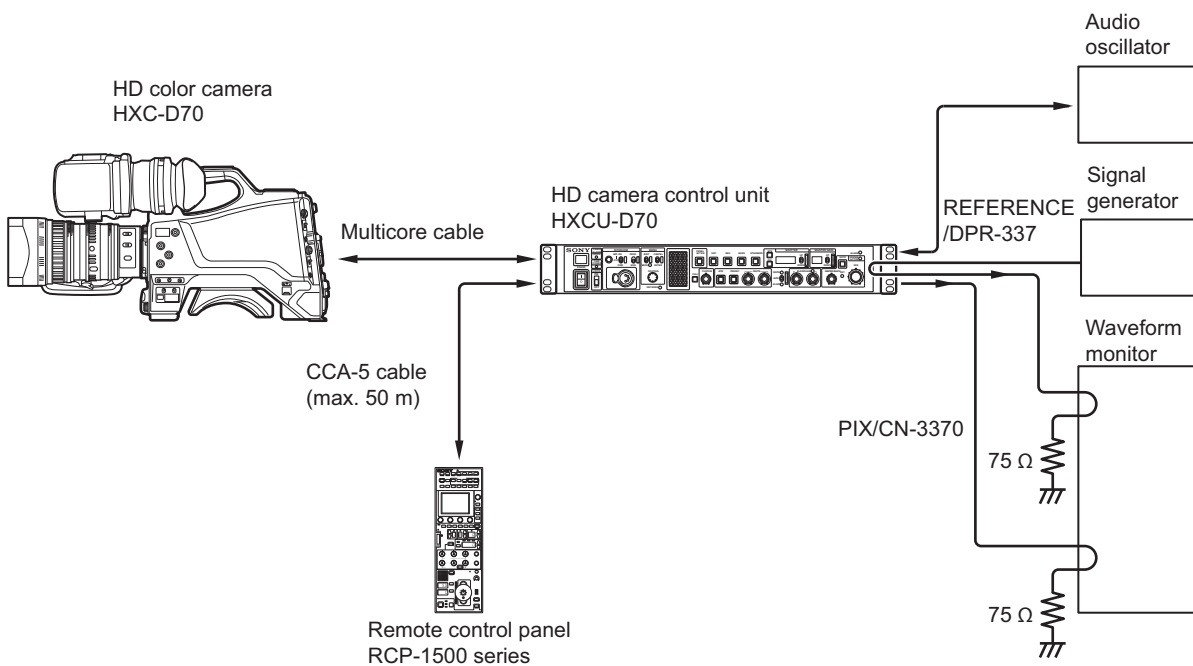
6-1-2. Precautions on Adjustments

- Warm up the unit for about 10 minutes before starting adjustments.
- All measuring equipment must have been calibrated.
- “6-1-4. Initial Settings” must have been completed.
- Adjustments for HXC-D70 must have been completed.

6-1-3. Connection of Equipment

Note

Transmittable multicore cable: CCZ-A5/10/25/50/100



6-1-4. Initial Settings

Make the following settings before starting adjustments.

After each adjustment is completed, be sure to restore the previous settings.

- MAINTENANCE menu
M01: SERIAL NO SET → DEST → UC/J/CE
- CCU CONFIGURATION menu
C07: INCOM MIC → CARBON
- Front panel
INTERCOM switch → PROD

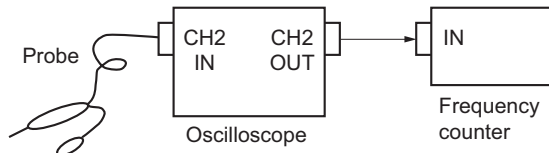
Except for these settings, do not change the switch settings made when the unit was shipped. (Refer to Section [1-5-2](#).)

6-2. Reference Signal System Adjustment

6-2-1. 27 MHz VCO Free-Running Adjustment

Preparation

- Disconnect the cable from the REFERENCE INPUT connector on the rear panel.
- Connect the measuring equipment as shown in the figure.
- Start this adjustment after 10 minutes have elapsed from power-on.



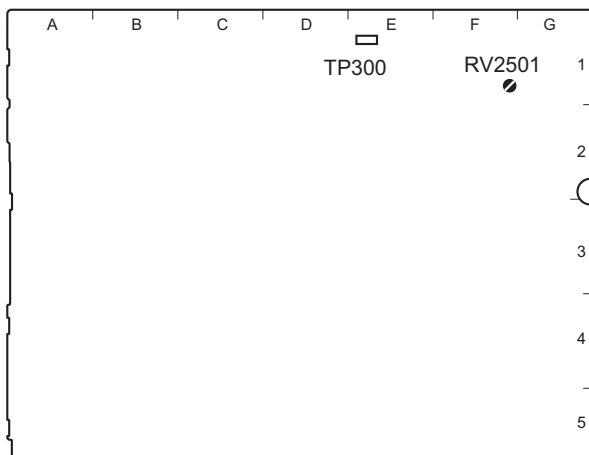
Adjustment

Equipment: Frequency counter/Oscilloscope

Test Point: TP300 (E-1) / DPR-337 board

Adjusting Point: RV2501 (F-1) / DPR-337 board

Specification: $27,000,000 \pm 50$ Hz



DPR-337 board (Side A)

Setting after Adjustment

After this adjustment is completed, reconnect the disconnected cable.

6-3. Video Signal System Adjustment

6-3-1. VBS Output Level Adjustment

Preparation

CCU CONFIGURATION menu setting

Page name	Item	Settings
C01: COLOR BAR	SD BAR	SMPTE (UC, J) EBU (CE)
C09: VIDEO ADJUST	VBS LEVEL	0
	VBS CHROMA	0

Adjustment

Equipment: SD waveform monitor

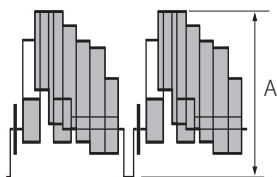
Test Point: VBS 1 output connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: VBS LEVEL

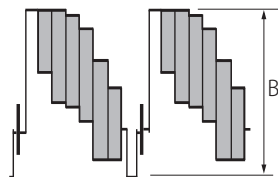
Specification:

- A = 140 ± 1 IRE (75 Ω termination)
- B = 1000 ± 7 mV (75 Ω termination)

NTSC (UC, J)



PAL (CE)



6-3-2. PIX Output Level Adjustment

Preparation

CCU CONFIGURATION menu setting

Page name	Item	Settings
C01: COLOR BAR	SD BAR	SMPTE (UC, J) EBU (CE)
C09: VIDEO ADJUST	PIX LEVEL	0
	PIX CHROMA	0

Adjustment

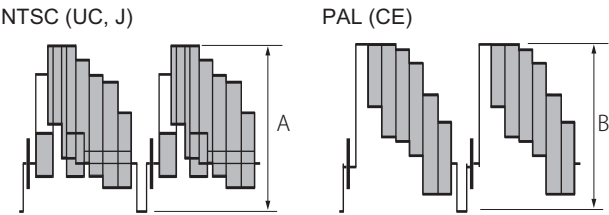
Equipment: SD waveform monitor

Test Point: PIX OUT connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: PIX LEVEL

Specification :

- A = 140 ± 1 IRE (75 Ω termination)
- B = 1000 ± 7 mV (75 Ω termination)



6-3-3. S Video Output Level Adjustment

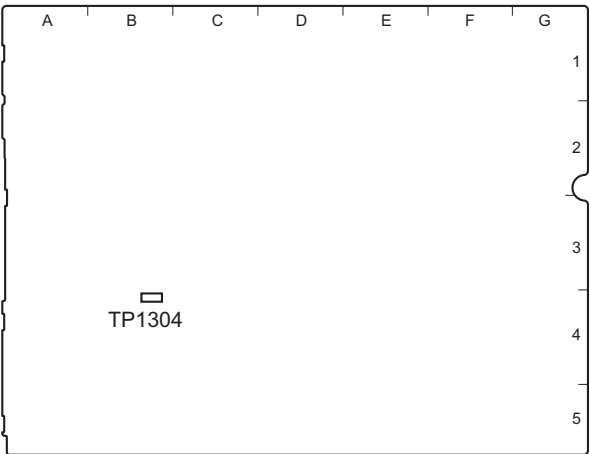
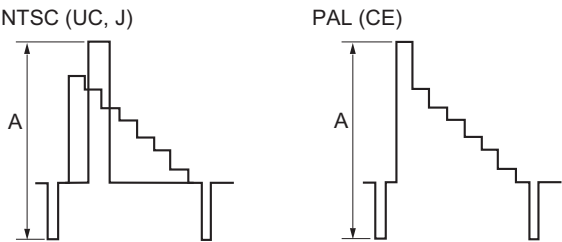
Preparation

CCU CONFIGURATION menu setting

Page name	Item	Settings
C01: COLOR BAR	SD BAR	SMPTE (UC, J) EBU (CE)
C09: VIDEO ADJUST	S-VIDEO LEVEL	0

Adjustment

Equipment: Oscilloscope
Test Point: TP1304 (B-4) /DPR-337 board
Adjusting Point: MAINTENANCE menu → M05: S-VIDEO
Specification: A = 2000 ±14 mV



DPR-337 board (Side A)

6-3-4. Y/R-Y/B-Y Output Level Adjustment (SD)

Preparation

SYSTEM OPERATION menu setting

Page name	Item	Settings
S04: OUTPUT FORMAT	COMPONENT	SD YCD

CCU CONFIGURATION menu setting

Page name	Item	Settings
C01: COLOR BAR	SD BAR	FULL (UC, J) EBU (CE)
C09: VIDEO ADJUST	COMPONENT LEVEL	0

Adjustment

1. Y signal level adjustment

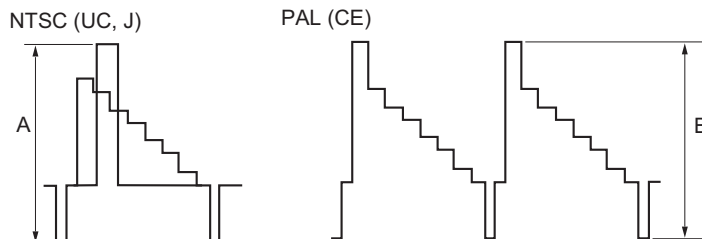
Equipment: SD waveform monitor

Test Point: Y connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: COMPONENT LEVEL → RGB/YCD TRIM

Specification:

- $A = 140 \pm 1$ IRE (75 Ω termination)
- $B = 1000 \pm 7$ mV (75 Ω termination)



2. R-Y signal level adjustment

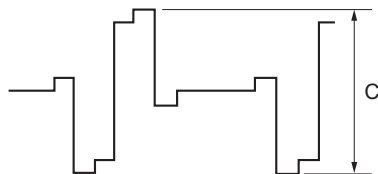
Equipment: SD waveform monitor

Test Point: R-Y connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: COMPONENT LEVEL → PR/R/R-Y BAL TRIM

Specification:

- $C = 756 \pm 5$ mV (NTSC (J), SET UP: OFF) (75 Ω termination)
- $C = 700 \pm 5$ mV (NTSC (UC), SET UP: ON) (75 Ω termination)
- $C = 525 \pm 5$ mV (PAL (CE)) (75 Ω termination)



3. B-Y signal level adjustment

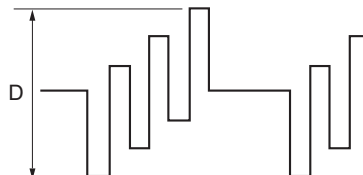
Equipment: SD waveform monitor

Test Point: B-Y connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: COMPONENT LEVEL → PB/B/B-Y BAL TRIM

Specification:

- $D = 756 \pm 5 \text{ mV}$ (NTSC (J), SET UP: OFF) (75 Ω termination)
- $D = 700 \pm 5 \text{ mV}$ (NTSC (UC), SET UP: ON) (75 Ω termination)
- $D = 525 \pm 5 \text{ mV}$ (PAL (CE)) (75 Ω termination)



4. After these adjustments are completed, select “WRITE” to store the setting values.

6-3-5. Y/Pr/Pb Output Level Adjustment (HD)

Preparation

SYSTEM OPERATION menu setting

Page name	Item	Settings
S04: OUTPUT FORMAT	COMPONENT	HD YPbPr

CCU CONFIGURATION menu setting

Page name	Item	Settings
C01: COLOR BAR	HD BAR	BAR 16:9 (100%)
C09: VIDEO ADJUST	COMPONENT LEVEL	0

Adjustment

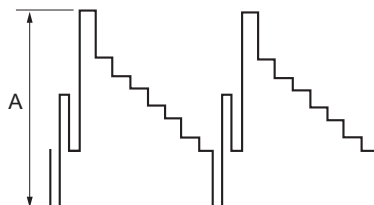
1. Y signal level adjustment

Equipment: Analog HD waveform monitor

Test Point: Y connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: COMPONENT LEVEL → RGB/YCD TRIM

Specification: $A = 700 \pm 5 \text{ mV}$ (75 Ω termination)



2. R-Y signal level adjustment

Note

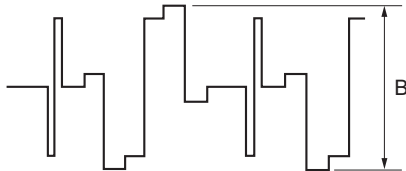
Perform R-Y signal level adjustment after Y signal level adjustment are completed.

Equipment: Analog HD waveform monitor

Test Point: Pr connector/CN-3370 board

Adjusting Point: MAINTENANCE menu → M05: COMPONENT LEVEL → PR/R/R-Y BAL TRIM

Specification: $B = 700 \pm 5 \text{ mV}$ (75 Ω termination)



3. B-Y signal level adjustment

Note

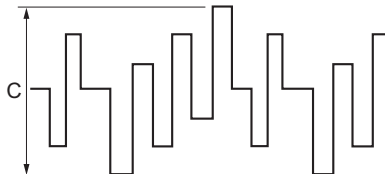
Perform B-Y signal level adjustment after Y signal level adjustment are completed.

Equipment: Analog HD waveform monitor

Test Point: Pb connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: COMPONENT LEVEL → PB/B/B-Y BAL TRIM

Specification: $C = 700 \pm 5 \text{ mV}$ (75 Ω termination)



4. After these adjustments are completed, select “WRITE” to store the setting values.

6-3-6. RGB Output Level Adjustment

Preparation

SYSTEM OPERATION menu setting

Page name	Item	Settings
S04: OUTPUT FORMAT	COMPONENT	HD RGB

CCU CONFIGURATION menu setting

Page name	Item	Settings
C01: COLOR BAR	HD BAR	BAR 16:9 (100%)
C09: VIDEO ADJUST	COMPONENT LEVEL	0

Adjustment

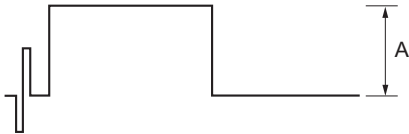
1. G signal level adjustment

Equipment: Analog HD waveform monitor

Test Point: G connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: COMPONENT LEVEL → RGB/YCD TRIM

Specification: $A = 700 \pm 5 \text{ mV p-p}$ (75 Ω termination)



2. R signal level adjustment

Note

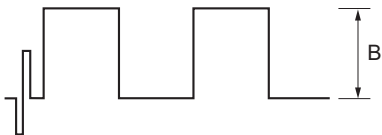
Perform R signal level adjustment after G signal level adjustment are completed.

Equipment: Analog HD waveform monitor

Test Point: R connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: COMPONENT LEVEL → PR/R/R-Y BAL TRIM

Specification: $B = 700 \pm 5 \text{ mV p-p}$ (75 Ω termination)



3. B signal level adjustment

Note

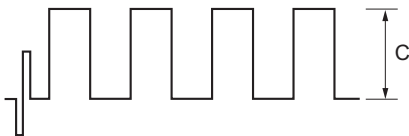
Perform B signal level adjustment after G signal level adjustment are completed.

Equipment: Analog HD waveform monitor

Test Point: B connector / rear panel

Adjusting Point: MAINTENANCE menu → M05: COMPONENT LEVEL → PB/B/B-Y BAL TRIM

Specification: $C = 700 \pm 5 \text{ mV p-p}$ (75 Ω termination)



4. After these adjustments are completed, select "WRITE" to store the setting values.

Section 7

Spare Parts

7-1. Note on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked △ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.

3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

4. Harness

Harnesses with no part number are not registered as spare parts.

1. 安全重要部品

△警告

△印のついた部品は安全性を維持するために重要な部品です。したがって、交換する時は必ず指定の部品を使ってください。

2. 部品の共通化

ソニーから供給する補修用部品は、セットに使われているものと異なることがあります。これは部品の共通化、改良等によるものです。

3. 部品の在庫

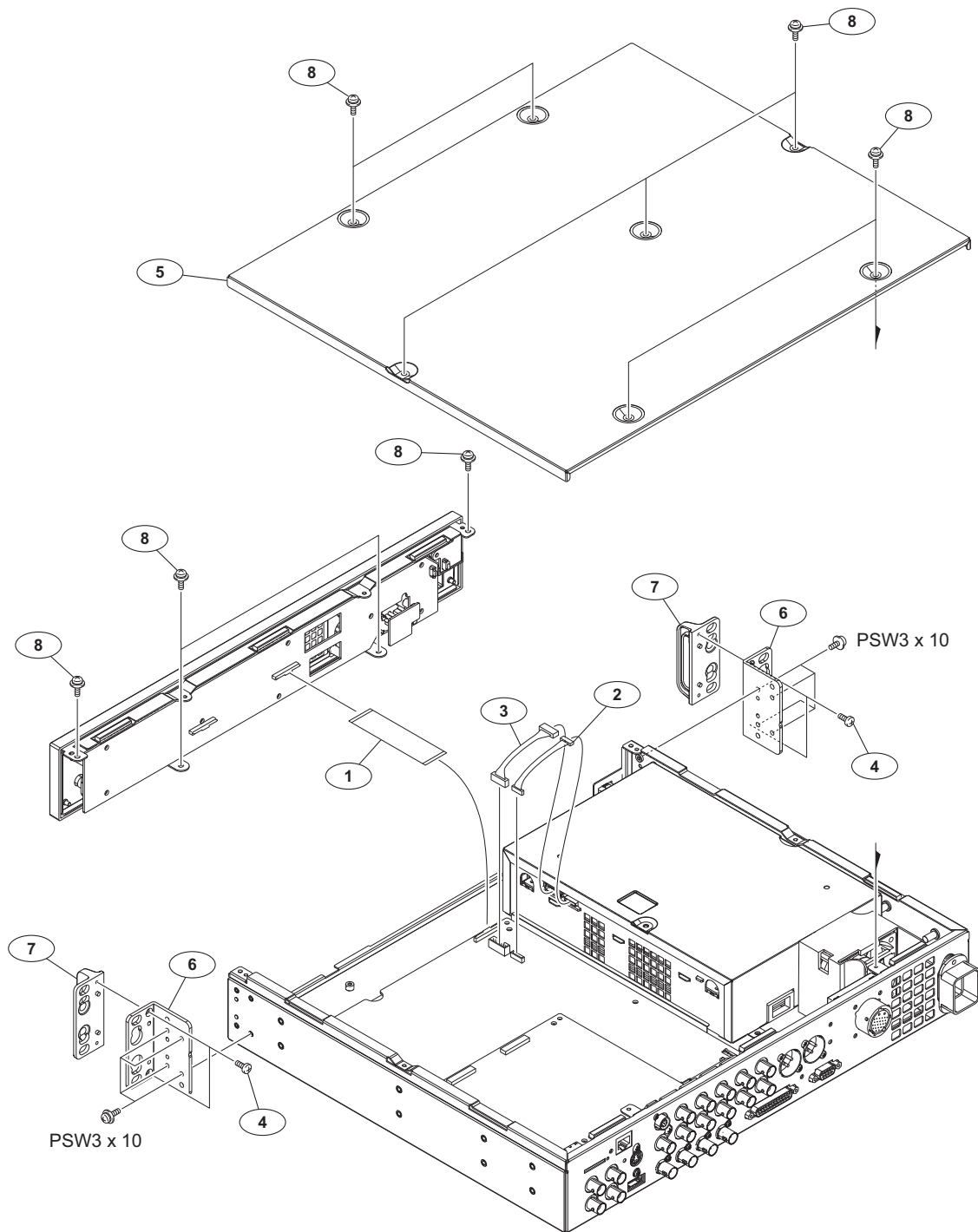
部品表の SP (Supply code) 欄に “o” で示される部品は在庫していないことがあります。納期が長くなる場合があります。

4. ハーネス

部品番号の記載されていないハーネスは、サービス部品として登録されていません。

7-2. Exploded Views

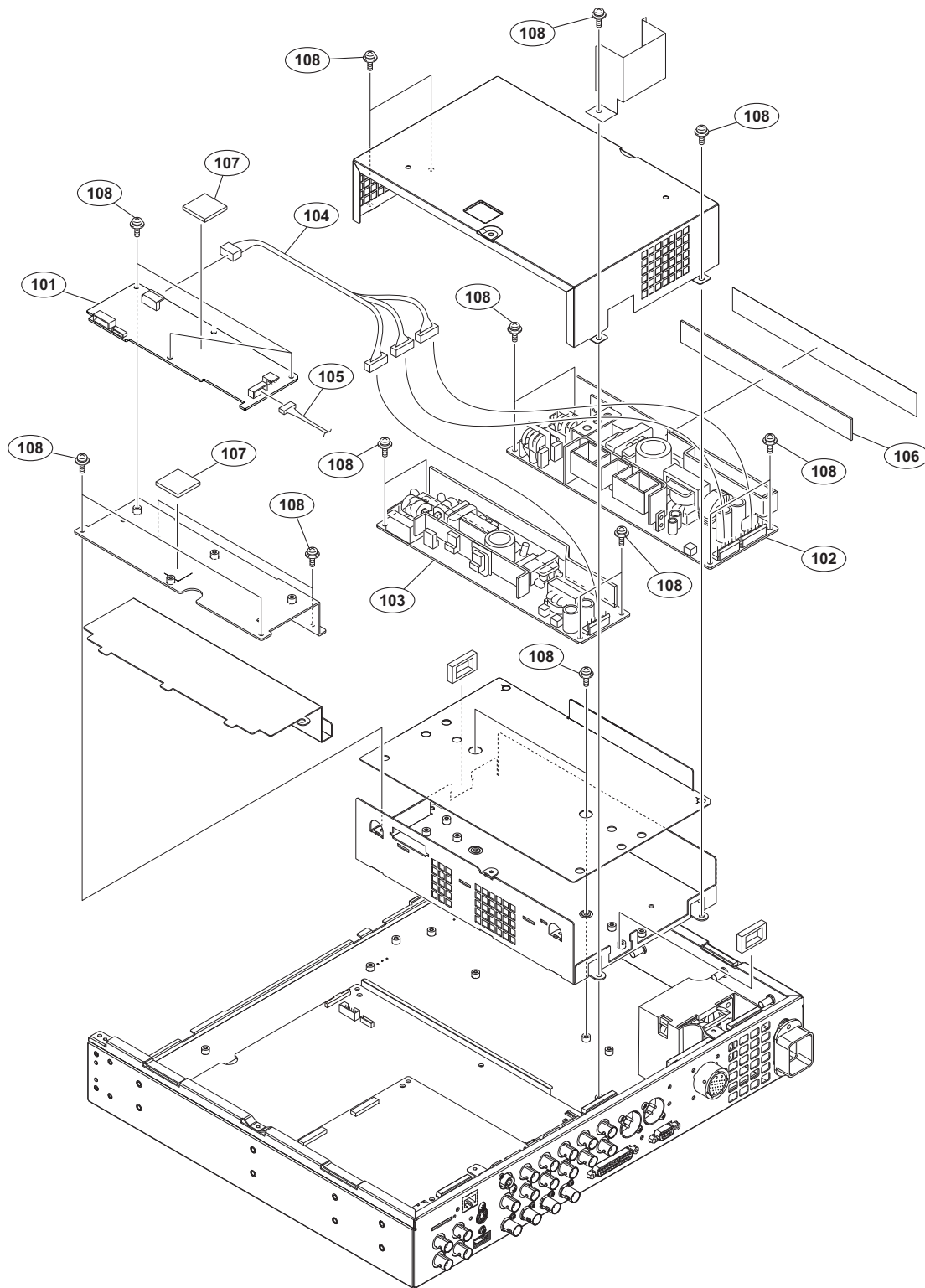
Overall



No.	Part No.	SP Description
1	1-831-081-11 s	CABLE, FLEXIBLE FLAT (45 CORE)
2	1-967-975-11 s	HARNESS, SUB (CCU DC OUT)
3	1-967-976-11 s	HARNESS, SUB (POWER CONT)
4	2-580-644-01 s	SCREW, +KTP2 3X8
5	⚠ 4-299-617-01 s	COVER
6	4-299-632-01 s	RACK BRACKET(U)
7	⚠ 4-299-661-01 s	RACK BRACKET COVER
8	4-382-854-51 s	SCREW (M3X6), P, SW (+)

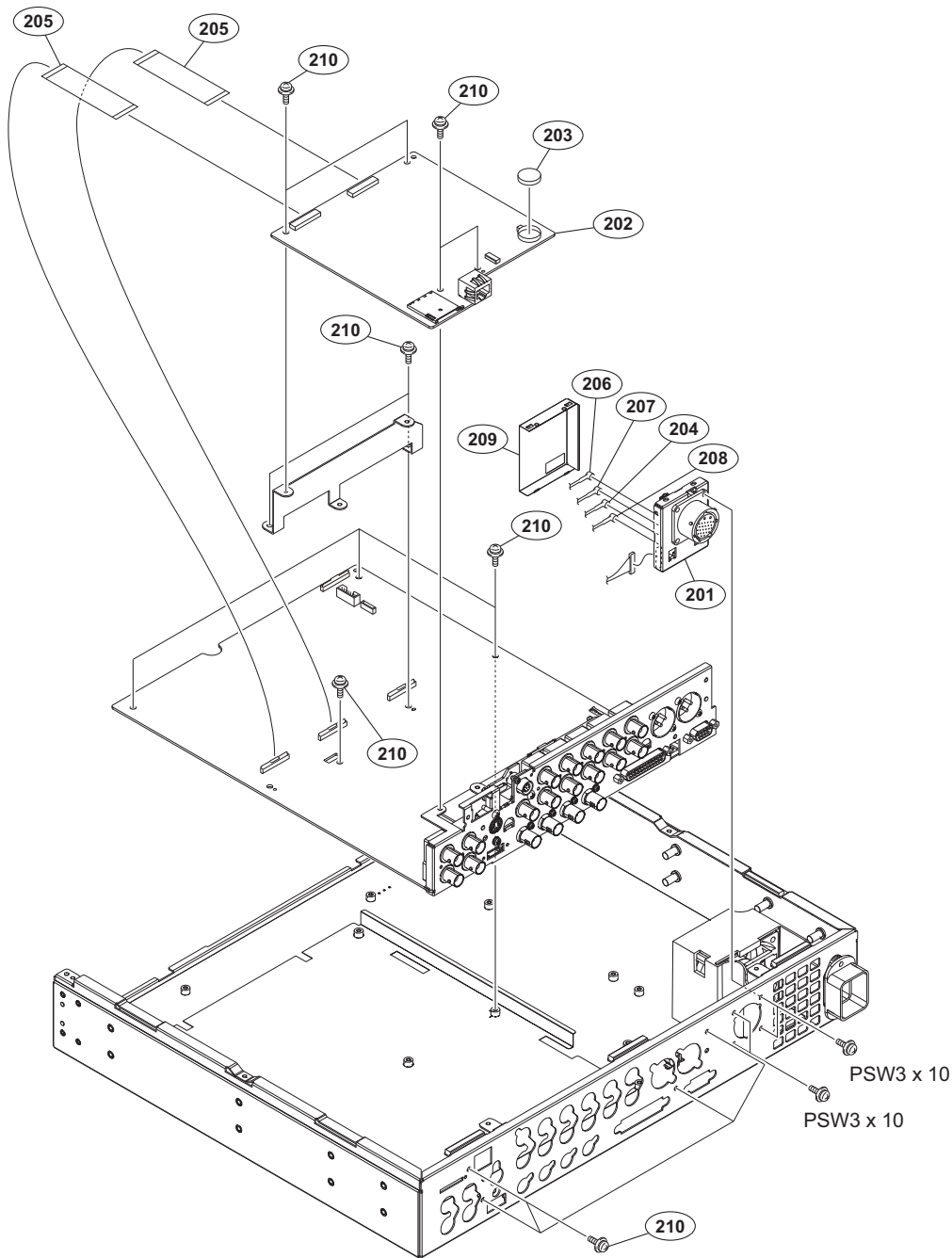
7-682-949-01 s SCREW +PSW 3X10

PS Block



No.	Part No.	SP Description
101	A-1848-104-A	s MOUNTED CIRCUIT BOARD, PS-826
102	⚠ 1-474-293-11	s REGULATOR, SWITCHING
103	⚠ 1-474-316-11	s REGULATOR, SWITCHING
104	1-967-974-11	s HARNESS, SUB (DC OUT)
105	1-968-132-11	s HARNESS (CCZ FDC)
106	⚠ 4-299-621-01	s SHEET, HEAT CONDUCTIVE PS-1
107	⚠ 4-299-631-01	s SHEET, HEAT CONDUCTIVE PS-2
108	4-382-854-51	s SCREW (M3X6), P, SW (+)

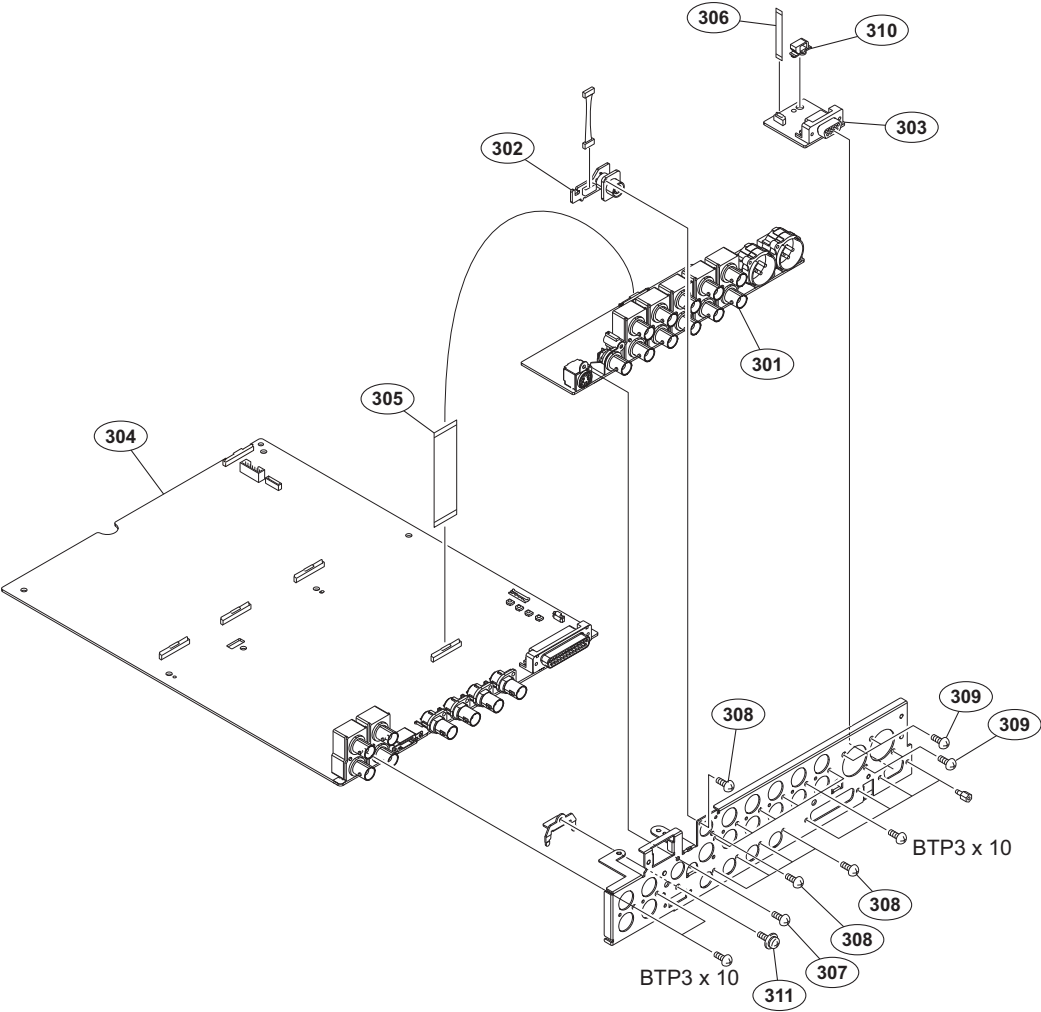
Chassis-1



No.	Part No.	SP Description
201	A-1846-074-A s	MOUNTED CIRCUIT BOARD, CN-3369
202	A-1846-908-A s	MOUNTED CIRCUIT BOARD, AT-186
203	 1-528-174-31 s	BATTERY, LITHIUM (CR2032 TYPE)
204	1-830-742-11 s	CABLE ASSEMBLY, COAXIAL
205	1-831-081-11 s	CABLE, FLEXIBLE FLAT (45 CORE)
206	1-839-547-11 s	CABLE ASSEMBLY, COAXIAL
207	1-839-548-11 s	CABLE ASSEMBLY, COAXIAL
208	1-839-549-11 s	CABLE ASSEMBLY, COAXIAL
209	4-299-627-01 s	SHIELD CASE CCZ-B
210	4-382-854-51 s	SCREW (M3X6), P, SW (+)

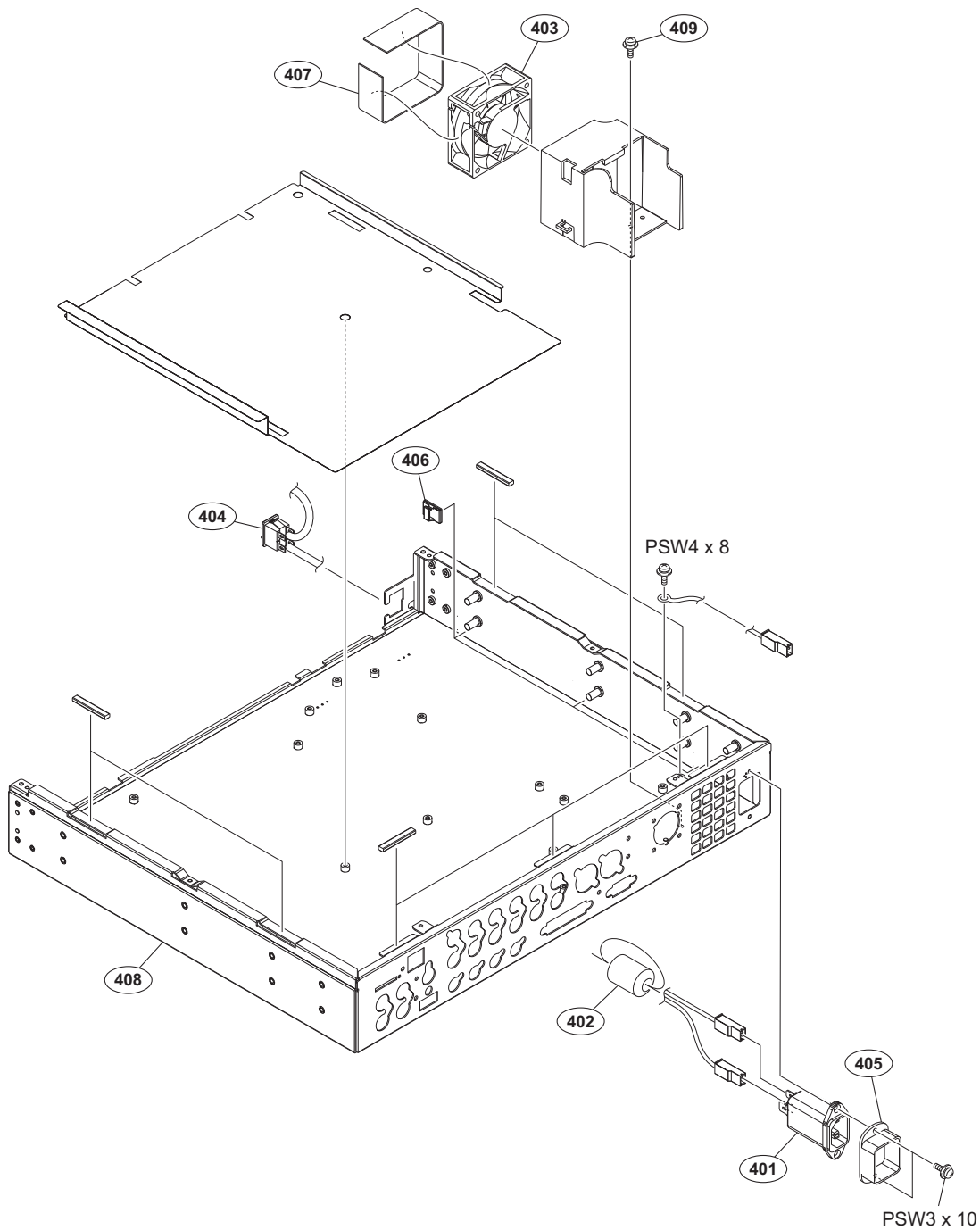
7-682-949-01 s SCREW +PSW 3X10

DPR Block



No.	Part No.	SP Description
301	A-1846-070-A s	MOUNTED CIRCUIT BOARD, CN-3370
302	A-1846-072-A s	MOUNTED CIRCUIT BOARD, CN-3383
303	A-1846-073-A s	MOUNTED CIRCUIT BOARD, CN-3376
304	A-1848-103-A s	MOUNTED CIRCUIT BOARD, DPR-337
305	1-831-081-11 s	CABLE, FLEXIBLE FLAT (45 CORE)
306	1-836-689-11 s	CABLE, FLEXIBLE FLAT (10 CORE)
307	2-580-628-01 s	SCREW, +BVTP S3X6 TYPE2
308	3-637-901-02 s	SCREW M2.6X5
309	3-776-750-02 s	SCREW +BVTT 2.5 (S)
310	3-853-802-01 s	CLAMP, REUSE
311	4-382-854-51 s	SCREW (M3X6), P, SW (+)
	7-685-547-14 s	SCREW +BTP 3X10 TYPE2 N-S

Chassis-2



No.	Part No.	SP Description
401	1-251-378-12 s	INLET (WITH NOISE FILTER)
402	⚠ 1-469-241-11 s	CORE, FERRITE (RFC-8 BK)
403	⚠ 1-787-419-12 s	FAN, DC (60 SQUARE)
404	⚠ 1-967-973-11 s	HARNESS (AC IN)
405	2-990-241-02 s	HOLDER (A), PLUG
406	3-257-200-01 s	CLAMP, CORD
407	4-139-239-01 s	FAN CUSHION
408	⚠ 4-299-615-01 s	CHASSIS, BASE
409	4-382-854-51 s	SCREW (M3X6), P, SW (+)

7-682-949-01 s SCREW +PSW 3X10
7-682-961-01 s SCREW +PSW 4X8

[illegible]HXCU-D70

7-3. Electrical Parts List

AT-186 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1846-908-A s	MOUNTED CIRCUIT BOARD, AT-186
BT100	1-756-991-21 s	HOLDER, LITHIUM BATTERY (CR203
C1	1-116-346-11 s	CAP, ELECT 47MF 105
C2	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C3	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C4	1-164-935-81 s	CAP, CHIP CERAMIC 470PF B 1005
C5	1-116-346-11 s	CAP, ELECT 47MF 105
C6	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C7	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C8	1-117-949-81 s	CAP, CHIP CERAMIC 820PF B1005
C9	1-114-238-91 s	CAP, CERAMIC 22MF B
C11	1-162-923-91 s	CAP, CERAMIC 47PF CH 1608
C12	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C13	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C14	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C15	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C16	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C17	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C18	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C19	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C20	1-165-585-21 s	CAP, CHIP ELECT 47MF
C21	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C22	1-165-585-21 s	CAP, CHIP ELECT 47MF
C23	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C24	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B (3225)
C25	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C26	1-116-100-11 s	CAP, ELECT 220MF 105
C27	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B (3225)
C28	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C29	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C30	1-116-100-11 s	CAP, ELECT 220MF 105
C31	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C32	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C33	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C34	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C35	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C36	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C37	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C38	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C39	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C40	1-114-238-91 s	CAP, CERAMIC 22MF B
C41	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C43	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C49	1-164-935-81 s	CAP, CHIP CERAMIC 470PF B 1005
C50	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C51	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C52	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C55	1-114-238-91 s	CAP, CERAMIC 22MF B
C57	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C59	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C61	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C66	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C67	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C68	1-165-585-21 s	CAP, CHIP ELECT 47MF
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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C80	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C81	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C83	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C84	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C85	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C86	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C100	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C101	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C102	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C103	1-114-999-11 s	CAP, DOUBLE LAYERS 0.22F
C104	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C106	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C107	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C108	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C109	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C110	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C111	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C112	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C113	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C114	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C115	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C116	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C117	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C118	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C119	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C120	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C121	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C122	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C123	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C124	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C125	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C126	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C127	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C128	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C129	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C130	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C131	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C132	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C133	1-114-238-91 s	CAP, CERAMIC 22MF B
C134	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C135	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C136	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C137	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C139	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C140	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C141	1-114-238-91 s	CAP, CERAMIC 22MF B
C142	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C143	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C144	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C145	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C146	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C147	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C149	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C150	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C151	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C152	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C153	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C154	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C155	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C156	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C157	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C158	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C159	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C160	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C161	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C162	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C163	1-114-238-91 s	CAP, CERAMIC 22MF B
C164	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C165	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C166	1-114-238-91 s	CAP, CERAMIC 22MF B
C167	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C168	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C169	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C170	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C172	1-114-238-91 s	CAP, CERAMIC 22MF B
C173	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C174	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C175	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C176	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C179	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C180	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C181	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C300	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C301	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C302	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C305	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C307	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C309	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C310	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C311	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C313	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C314	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C315	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C316	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C318	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C319	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C320	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C321	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C324	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C325	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C327	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C328	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C329	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C333	1-114-582-91 s	CAP, CERAMIC 0.1MF B 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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
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	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C342	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C343	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C344	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C345	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C346	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C347	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C348	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C349	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C350	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C351	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C352	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C353	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C354	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C355	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C356	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C357	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C358	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C359	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C361	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C362	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005

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Ref. No. or Q'ty	Part No.	SP Description
C363	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C364	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C365	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C366	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C367	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C368	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C369	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C370	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C371	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C372	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C373	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C374	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C375	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C376	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C377	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C379	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C380	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
CN1	1-778-535-31 s	CONNECTOR, FFC/FPC(ZIF) AN 45P
CN2	1-778-535-31 s	CONNECTOR, FFC/FPC(ZIF) AN 45P
CN5	1-770-625-21 s	PIN, CONNECTOR 8P
CN100	1-821-409-21 s	CONNECTOR, BOARD TO BOARD 40P
CN101	1-784-650-21 s	CONNECTOR 2P
CN102	1-819-611-22 s	MEMORY STICK DUO CONNECTOR 10P
CN300	1-784-254-21 s	CONNECTOR 10P
CN301	1-817-196-11 s	JACK, MODULAR
D1	8-719-070-20 s	DIODE RB706F-40
D2	8-719-048-98 s	DIODE RB160L-40TE25
D4	8-719-083-60 s	DI UDZSUSTE-174.7B
D100	8-719-070-20 s	DIODE RB706F-40
D101	8-719-024-71 s	DIODE 1SS362-TE85L
D102	8-719-024-71 s	DIODE 1SS362-TE85L
D103	6-500-122-01 s	DIODE CL-375HR/YG-D-TS
E1	1-535-877-22 s	CHIP, CHECKER
E2	1-535-877-22 s	CHIP, CHECKER
E3	1-535-877-22 s	CHIP, CHECKER
ET1	1-780-925-11 s	TERMINAL, LUG
ET2	1-780-925-11 s	TERMINAL, LUG
ET3	1-780-925-11 s	TERMINAL, LUG
ET4	1-780-925-11 s	TERMINAL, LUG
FB1	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB2	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB3	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB4	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB5	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB6	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB7	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB8	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB9	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB10	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB11	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB12	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB14	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB16	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB18	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB20	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB21	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB22	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB23	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB24	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB25	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB26	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB27	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB28	1-414-864-21 s	FERRITE, EMI (SMD) (1608)

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Ref. No. or Q'ty	Part No.	SP Description
FB29	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB31	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB33	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB35	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB37	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB39	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB45	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB300	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
IC1	6-701-549-01 s	IC LTC1778EGN
IC2	6-713-169-01 s	IC LTC3412AEFE#TR
IC3	6-712-135-01 o	IC R1173H001D-T1-F
IC5	6-706-879-01 s	IC TPS62020DRCR
IC6	8-759-330-14 s	IC TL7700CPS-E20
IC7	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC8	8-759-338-95 s	IC NJM2903V (TE2)
IC9	8-759-656-54 s	IC TC7WH14FK
IC10	8-759-338-95 s	IC NJM2903V (TE2)
IC11	6-712-135-01 o	IC R1173H001D-T1-F
IC12	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC13	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC14	6-702-319-01 s	IC TC7WZ04FK
IC15	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC18	6-706-487-01 s	IC TC7SH08FU
IC19	6-706-487-01 s	IC TC7SH08FU
IC101	6-704-566-01 s	IC R3112N291A-TR-FA
IC102	6-707-856-01 s	IC TC74LCX74FT (EKJ)
IC103	8-759-648-04 s	IC RTC-4574JE
IC104	6-706-487-01 s	IC TC7SH08FU
IC106	6-710-018-01 s	IC CAT24C02WI-GT3
IC107	6-710-018-01 s	IC CAT24C02WI-GT3
IC108	6-706-487-01 s	IC TC7SH08FU
IC109	6-808-528-01 s	IC MX29LV160DBTI-70G
IC110	6-808-528-01 s	IC MX29LV160DBTI-70G
IC111	8-759-669-68 s	IC SN74CBT3253PWR-12
IC112	6-707-849-01 s	IC TC74LCX244FT (EKJ)
IC113	6-717-050-01 s	IC W9825G6JH-6-ER10
IC114	6-707-849-01 s	IC TC74LCX244FT (EKJ)
IC115	6-707-849-01 s	IC TC74LCX244FT (EKJ)
IC116	6-707-849-01 s	IC TC74LCX244FT (EKJ)
IC117	6-707-947-01 s	IC MB85R256PFTN-G-BNDE1
IC118	6-707-947-01 s	IC MB85R256PFTN-G-BNDE1
IC119	8-759-584-32 s	IC MB86189PMC-G-BND-ER-E1
IC120	6-707-856-01 s	IC TC74LCX74FT (EKJ)
IC121	6-702-319-01 s	IC TC7WZ04FK
IC122	8-759-656-54 s	IC TC7WH14FK
IC126	6-706-483-01 s	IC TC7SH02FU
IC129	6-706-488-01 s	IC TC7SH14FU
IC130	6-701-541-01 s	IC TLC2272CPWR
IC131	6-707-845-01 s	IC TC74LCX138FT (EKJ)
IC133	6-717-050-01 s	IC W9825G6JH-6-ER10
IC134	6-702-319-01 s	IC TC7WZ04FK
IC135	6-702-319-01 s	IC TC7WZ04FK
IC300	6-704-566-01 s	IC R3112N291A-TR-FA
IC301	6-713-829-01 s	IC EPCS4S18N(11)
IC303	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC304	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC305	6-705-277-01 s	IC S-93C46BD01-J8T1-G
IC306	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC308	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC313	8-759-092-83 s	IC SN75158PSR
IC314	8-759-592-44 s	IC TC7S204FU (TE85R)
IC315	6-707-843-01 s	IC TC74LCX125FT (EKJ)
IC316	6-707-843-01 s	IC TC74LCX125FT (EKJ)
IC318	6-706-478-01 s	IC TC7SET08FU

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Ref. No. or Q'ty	Part No.	SP Description
IC319	6-707-842-01 s	IC TC74LCX08FT (EKJ)
IC320	6-707-842-01 s	IC TC74LCX08FT (EKJ)
IC321	6-600-060-01 s	IC TC7WZ32FK
IC325	8-759-592-44 s	IC TC7SZ04FU (TE85R)
IC326	6-702-319-01 s	IC TC7WZ04FK
L1	1-416-344-21 s	COIL, CHOKE 10UH
L2	1-416-344-21 s	COIL, CHOKE 10UH
L3	1-416-344-21 s	COIL, CHOKE 10UH
L4	1-416-344-21 s	COIL, CHOKE 10UH
L10	1-416-344-21 s	COIL, CHOKE 10UH
L13	1-416-344-21 s	COIL, CHOKE 10UH
L100	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L101	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L102	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L103	1-469-553-21 s	INDUCTOR, CHIP 4.7UH (LB2016)
L104	1-469-553-21 s	INDUCTOR, CHIP 4.7UH (LB2016)
L105	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L106	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L107	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L108	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L109	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L300	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L301	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L303	1-469-553-21 s	INDUCTOR, CHIP 4.7UH (LB2016)
L304	1-469-553-21 s	INDUCTOR, CHIP 4.7UH (LB2016)
L305	1-469-553-21 s	INDUCTOR, CHIP 4.7UH (LB2016)
L306	1-469-553-21 s	INDUCTOR, CHIP 4.7UH (LB2016)
PH300	8-749-014-35 s	IC HCPL-0630-500
Q1	8-729-054-35 s	TRANSISTOR HAT2070R-EL
Q2	8-729-054-35 s	TRANSISTOR HAT2070R-EL
Q3	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q7	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q100	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q101	8-729-209-73 s	TRANSISTOR 2SA1213Y-TE12L
Q103	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q104	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q300	8-729-928-55 s	TRANSISTOR DTA123JE-TL
Q301	8-729-928-55 s	TRANSISTOR DTA123JE-TL
R1	1-208-919-81 s	RES, CHIP 22K (1005)
R2	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R3	1-208-863-81 s	RES, CHIP 100 (1005)
R4	1-208-959-81 s	RES, CHIP 1M (1005)
R5	1-208-959-81 s	RES, CHIP 1M (1005)
R6	1-208-923-81 s	RES, CHIP 33K (1005)
R7	1-208-911-81 s	RES, CHIP 10K (1005)
R10	1-208-935-81 s	RES, CHIP 100K (1005)
R11	1-208-915-81 s	RES, CHIP 15K (1005)
R12	1-208-959-81 s	RES, CHIP 1M (1005)
R13	1-208-927-81 s	RES, CHIP 47K (1005)
R14	1-208-887-81 s	RES, CHIP 1.0K (1005)
R15	1-208-911-81 s	RES, CHIP 10K (1005)
R16	1-208-959-81 s	RES, CHIP 1M (1005)
R17	1-208-895-81 s	RES, CHIP 2.2K (1005)
R18	1-218-981-81 s	RES, CHIP 220K
R19	1-216-789-91 s	RES, CHIP 2.2 (1608)
R20	1-216-789-91 s	RES, CHIP 2.2 (1608)
R22	1-220-230-91 s	RES,SQUARE TYPE CHIP 2.2(3225)
R23	1-208-935-81 s	RES, CHIP 100K (1005)
R24	1-208-955-81 s	RES, CHIP 680K (1005)
R25	1-208-931-81 s	RES, CHIP 68K (1005)
R26	1-208-939-81 s	RES, CHIP 150K (1005)
R27	1-208-895-81 s	RES, CHIP 2.2K (1005)
R28	1-208-935-81 s	RES, CHIP 100K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R29	1-208-887-81 s	RES, CHIP 1.0K (1005)
R30	1-208-911-81 s	RES, CHIP 10K (1005)
R31	1-208-887-81 s	RES, CHIP 1.0K (1005)
R32	1-208-907-81 s	RES, CHIP 6.8K (1005)
R33	1-208-911-81 s	RES, CHIP 10K (1005)
R34	1-208-919-81 s	RES, CHIP 22K (1005)
R39	1-208-923-81 s	RES, CHIP 33K (1005)
R40	1-208-919-81 s	RES, CHIP 22K (1005)
R41	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R42	1-208-911-81 s	RES, CHIP 10K (1005)
R43	1-220-878-81 s	RES, CHIP 22 (1005)
R44	1-220-878-81 s	RES, CHIP 22 (1005)
R45	1-208-903-81 s	RES, CHIP 4.7K (1005)
R46	1-220-878-81 s	RES, CHIP 22 (1005)
R47	1-220-878-81 s	RES, CHIP 22 (1005)
R48	1-208-903-81 s	RES, CHIP 4.7K (1005)
R49	1-208-939-81 s	RES, CHIP 150K (1005)
R50	1-208-919-81 s	RES, CHIP 22K (1005)
R51	1-208-911-81 s	RES, CHIP 10K (1005)
R52	1-208-935-81 s	RES, CHIP 100K (1005)
R53	1-208-919-81 s	RES, CHIP 22K (1005)
R54	1-208-903-81 s	RES, CHIP 4.7K (1005)
R55	1-208-919-81 s	RES, CHIP 22K (1005)
R56	1-208-879-81 s	RES, CHIP 470 (1005)
R57	1-208-887-81 s	RES, CHIP 1.0K (1005)
R58	1-208-919-81 s	RES, CHIP 22K (1005)
R59	1-208-895-81 s	RES, CHIP 2.2K (1005)
R60	1-208-903-81 s	RES, CHIP 4.7K (1005)
R62	1-208-911-81 s	RES, CHIP 10K (1005)
R63	1-208-911-81 s	RES, CHIP 10K (1005)
R64	1-220-870-81 s	RES, CHIP 10 (1005)
R65	1-208-915-81 s	RES, CHIP 15K (1005)
R80	1-220-870-81 s	RES, CHIP 10 (1005)
R81	1-208-935-81 s	RES, CHIP 100K (1005)
R82	1-208-935-81 s	RES, CHIP 100K (1005)
R100	1-208-887-81 s	RES, CHIP 1.0K (1005)
R101	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R102	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R103	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R104	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R105	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R106	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R107	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R108	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R109	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R110	1-220-878-81 s	RES, CHIP 22 (1005)
R111	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R112	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R113	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R114	1-220-878-81 s	RES, CHIP 22 (1005)
R115	1-208-935-81 s	RES, CHIP 100K (1005)
R117	△ 1-208-887-81 s	RES, CHIP 1.0K (1005)
R118	1-208-935-81 s	RES, CHIP 100K (1005)
R119	1-220-870-81 s	RES, CHIP 10 (1005)
R120	1-208-887-81 s	RES, CHIP 1.0K (1005)
R121	1-208-855-81 s	RES, CHIP 47 (1005)
R123	1-208-855-81 s	RES, CHIP 47 (1005)
R126	1-208-911-81 s	RES, CHIP 10K (1005)
R127	1-208-863-81 s	RES, CHIP 100 (1005)
R128	1-208-935-81 s	RES, CHIP 100K (1005)
R136	1-208-855-81 s	RES, CHIP 47 (1005)
R139	1-220-870-81 s	RES, CHIP 10 (1005)
R140	1-220-870-81 s	RES, CHIP 10 (1005)
R142	1-208-911-81 s	RES, CHIP 10K (1005)
R143	1-208-911-81 s	RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R144	1-208-935-81 s	RES, CHIP 100K (1005)
R147	1-208-911-81 s	RES, CHIP 10K (1005)
R148	1-208-911-81 s	RES, CHIP 10K (1005)
R153	1-208-935-81 s	RES, CHIP 100K (1005)
R154	1-208-911-81 s	RES, CHIP 10K (1005)
R155	1-208-935-81 s	RES, CHIP 100K (1005)
R160	1-208-911-81 s	RES, CHIP 10K (1005)
R161	1-208-911-81 s	RES, CHIP 10K (1005)
R162	1-208-903-81 s	RES, CHIP 4.7K (1005)
R164	1-208-911-81 s	RES, CHIP 10K (1005)
R165	1-208-911-81 s	RES, CHIP 10K (1005)
R189	1-208-895-81 s	RES, CHIP 2.2K (1005)
R190	1-208-935-81 s	RES, CHIP 100K (1005)
R191	1-220-870-81 s	RES, CHIP 10 (1005)
R192	1-208-887-81 s	RES, CHIP 1.0K (1005)
R195	1-208-903-81 s	RES, CHIP 4.7K (1005)
R196	1-208-903-81 s	RES, CHIP 4.7K (1005)
R206	1-220-870-81 s	RES, CHIP 10 (1005)
R207	1-208-911-81 s	RES, CHIP 10K (1005)
R208	1-208-935-81 s	RES, CHIP 100K (1005)
R209	1-208-919-81 s	RES, CHIP 22K (1005)
R210	1-208-879-81 s	RES, CHIP 470 (1005)
R212	1-208-879-81 s	RES, CHIP 470 (1005)
R214	1-208-899-81 s	RES, CHIP 3.3K (1005)
R215	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R216	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R217	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R219	1-220-870-81 s	RES, CHIP 10 (1005)
R221	1-220-878-81 s	RES, CHIP 22 (1005)
R225	1-220-870-81 s	RES, CHIP 10 (1005)
R226	1-220-870-81 s	RES, CHIP 10 (1005)
R227	1-208-899-81 s	RES, CHIP 3.3K (1005)
R228	1-220-870-81 s	RES, CHIP 10 (1005)
R300	1-208-927-81 s	RES, CHIP 47K (1005)
R301	1-208-863-81 s	RES, CHIP 100 (1005)
R302	1-208-863-81 s	RES, CHIP 100 (1005)
R303	1-208-863-81 s	RES, CHIP 100 (1005)
R305	1-208-863-81 s	RES, CHIP 100 (1005)
R306	1-208-863-81 s	RES, CHIP 100 (1005)
R307	1-208-911-81 s	RES, CHIP 10K (1005)
R308	1-208-911-81 s	RES, CHIP 10K (1005)
R310	1-208-911-81 s	RES, CHIP 10K (1005)
R311	1-208-863-81 s	RES, CHIP 100 (1005)
R312	1-208-895-81 s	RES, CHIP 2.2K (1005)
R313	1-208-855-81 s	RES, CHIP 47 (1005)
R314	1-208-863-81 s	RES, CHIP 100 (1005)
R317	1-208-855-81 s	RES, CHIP 47 (1005)
R318	1-208-855-81 s	RES, CHIP 47 (1005)
R319	1-208-927-81 s	RES, CHIP 47K (1005)
R320	1-208-887-81 s	RES, CHIP 1.0K (1005)
R322	1-208-911-81 s	RES, CHIP 10K (1005)
R323	1-208-911-81 s	RES, CHIP 10K (1005)
R332	1-220-870-81 s	RES, CHIP 10 (1005)
R335	1-208-911-81 s	RES, CHIP 10K (1005)
R336	1-208-911-81 s	RES, CHIP 10K (1005)
R337	1-208-911-81 s	RES, CHIP 10K (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	1-208-911-81 s	RES, CHIP 10K (1005)
R342	1-208-863-81 s	RES, CHIP 100 (1005)
R343	1-208-863-81 s	RES, CHIP 100 (1005)
R344	1-208-907-81 s	RES, CHIP 6.8K (1005)
R345	1-208-907-81 s	RES, CHIP 6.8K (1005)
R346	1-220-870-81 s	RES, CHIP 10 (1005)

AT-186 BOARD

Ref. No. or Q'ty	Part No.	SP Description
S100	1-692-270-41 s	SWITCH, SLIDE
T300	1-437-527-41 s	TRANSFORMER, PULSE
THP4	△ 1-802-108-11 s	THERMISTOR, POSITIVE
THP5	△ 1-804-616-21 s	THERMISTOR, POSITIVE
THP100	△ 1-771-845-21 s	THERMISTOR, POSITIVE
TP100	1-535-877-22 s	CHIP, CHECKER
TP301	1-535-877-22 s	CHIP, CHECKER
TP303	1-535-877-22 s	CHIP, CHECKER
TP304	1-535-877-22 s	CHIP, CHECKER
X100	1-814-011-11 s	OSCILLATOR, CRYSTAL (33.1776MHZ)
X301	1-795-983-11 s	OSCILLATOR, CRYSTAL

CN-3369 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1846-074-A s	MOUNTED CIRCUIT BOARD, CN-3369
C1	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C2	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C3	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C4	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
CN1	1-695-924-11 s	CONNECTOR (ROUND TYPE) (F) 26P
CN2	1-770-470-21 s	PIN, CONNECTOR (PC BOARD) 6P
CN3	1-843-071-11 s	CONNECTOR, COAXIAL (RECEPTACLE)
CN4	1-764-243-31 o	CONNECTOR (COAXIAL)
CN5	1-764-243-31 o	CONNECTOR (COAXIAL)
CN6	1-764-243-31 o	CONNECTOR (COAXIAL)
CN7	1-764-243-31 o	CONNECTOR (COAXIAL)
FB1	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB2	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB3	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB4	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB5	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB6	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB7	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB8	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB9	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB10	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB11	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB12	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FL3	1-481-929-21 s	FILTER, EMI (SMD) (2012)
FL4	1-481-929-21 s	FILTER, EMI (SMD) (2012)
FL5	1-481-929-21 s	FILTER, EMI (SMD) (2012)
FL6	1-481-929-21 s	FILTER, EMI (SMD) (2012)
L1	1-781-667-22 s	COIL, COMMON MODE CHOKE
L2	1-781-667-22 s	COIL, COMMON MODE CHOKE
L3	1-781-667-22 s	COIL, COMMON MODE CHOKE
L4	1-781-667-22 s	COIL, COMMON MODE CHOKE
L5	1-781-667-22 s	COIL, COMMON MODE CHOKE
L6	1-781-667-22 s	COIL, COMMON MODE CHOKE
R5	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R6	1-218-990-81 s	CONDUCTOR, CHIP (1005)

CN-3370 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1846-070-A s	MOUNTED CIRCUIT BOARD, CN-3370
C1	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C2	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C3	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C4	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C5	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C6	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C7	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C8	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C9	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C10	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C11	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C12	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C13	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C14	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
CN1	1-778-534-31 s	CONNECTOR, FFC/FPC (ZIF) ST 45P
CN2	1-566-847-11 s	CONNECTOR, (S) TERMINAL 4P
CN3	1-695-038-11 s	CONNECTOR ASSY, BNC 1P
CN4	1-794-822-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN5	1-794-822-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN6	1-794-822-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN7	1-794-822-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN8	1-794-822-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN9	1-794-097-22 s	CONNECTOR, ROUND TYPE
CN10	1-794-097-22 s	CONNECTOR, ROUND TYPE
E1	1-535-877-22 s	CHIP, CHECKER
FB12	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB13	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB14	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB15	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB16	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB17	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB18	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB21	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB22	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB25	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
L1	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L3	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L4	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
Q1	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q2	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q3	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q4	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
R1	1-208-867-81 s	RES, CHIP 150 (1005)
R2	1-208-867-81 s	RES, CHIP 150 (1005)
R3	1-208-911-81 s	RES, CHIP 10K (1005)
R4	1-208-863-81 s	RES, CHIP 100 (1005)
R5	1-208-903-81 s	RES, CHIP 4.7K (1005)
R6	1-208-863-81 s	RES, CHIP 100 (1005)
R7	1-208-899-81 s	RES, CHIP 3.3K (1005)
R8	1-208-899-81 s	RES, CHIP 3.3K (1005)
R9	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R10	1-208-867-81 s	RES, CHIP 150 (1005)
R11	1-208-867-81 s	RES, CHIP 150 (1005)
R12	1-208-911-81 s	RES, CHIP 10K (1005)
R13	1-208-863-81 s	RES, CHIP 100 (1005)
R14	1-208-903-81 s	RES, CHIP 4.7K (1005)
R15	1-208-863-81 s	RES, CHIP 100 (1005)
R16	1-208-899-81 s	RES, CHIP 3.3K (1005)
R17	1-208-899-81 s	RES, CHIP 3.3K (1005)
R18	1-218-990-81 s	CONDUCTOR, CHIP (1005)

CN-3376 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1846-073-A	s MOUNTED CIRCUIT BOARD, CN-3376
C1	1-165-989-91	s CAP, CERAMIC 10MF (2012)
C2	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C3	1-112-780-11	s CAP, CERAMIC 0.47MF X7R 1608
C4	1-112-780-11	s CAP, CERAMIC 0.47MF X7R 1608
C5	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C6	1-112-780-11	s CAP, CERAMIC 0.47MF X7R 1608
CN1	1-573-566-11	s CONNECTOR, D-SUB(ANGLE TYPE) 9P
CN2	1-778-646-31	s CONNECTOR, FFC/FPC(ZIF) ST 10P
FB1	1-400-462-21	s FERRITE, EMI (SMD) (1005)
FB2	1-400-462-21	s FERRITE, EMI (SMD) (1005)
FL1	1-239-896-31	s FILTER, EMI (SMD)
FL2	1-239-896-31	s FILTER, EMI (SMD)
IC1	6-705-514-01	s IC MAX3222IPWR

CN-3382 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1846-079-A	s MOUNTED CIRCUIT BOARD, CN-3382
C1	1-114-214-81	s CAP,CHIP CERAMIC470PF CH1005
C2	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C3	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
CN1	1-817-940-11	s CONNECTOR, ROUND TYPE 5P
CN2	1-770-625-21	s PIN, CONNECTOR 8P
FB1	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB2	1-414-445-21	s FERRITE, EMI (SMD) (1608)
FB3	1-414-445-21	s FERRITE, EMI (SMD) (1608)
L1	1-457-217-21	o COMMON MODE CHOKE COIL

CN-3383 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1846-072-A	s MOUNTED CIRCUIT BOARD, CN-3383
C1	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
C2	1-100-581-81	s CAP,CHIP CERAMIC0.0047MF B1005
CN1	1-770-625-21	s PIN, CONNECTOR 8P
CN2	1-766-696-11	o CONNECTOR, ROUND TYPE 8P
FB1	1-234-518-21	s ARRAY, FERRITE CHIP
FB2	1-400-832-21	s SMD EMI FERRITE
FB3	1-400-832-21	s SMD EMI FERRITE
FB4	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB5	1-469-094-21	s FERRITE, EMI (SMD) (1608)
FB6	1-469-094-21	s FERRITE, EMI (SMD) (1608)

DPR-337 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1848-103-A	s MOUNTED CIRCUIT BOARD, DPR-337

DPR-337 BOARD

Ref. No. or Q'ty	Part No.	SP Description
4pcs	3-364-941-01	s SCREW (+B) (2.6X5), NYLOK
C2	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C3	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C4	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C5	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 1005
C6	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 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	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C10	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C11	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C12	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C13	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C14	1-100-881-91	s CAP, CERAMIC 47MF C (3216)
C15	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C16	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 1005
C17	1-164-862-81	s CAP, CHIP CERAMIC 33PF CH 1005
C18	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C19	1-112-815-91	s CAP, CERAMIC 10MF C (1608)
C20	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C21	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C22	1-164-939-81	s CAP, CHIPCERAMIC 2200PF B 1005
C23	1-164-939-81	s CAP, CHIPCERAMIC 2200PF B 1005
C24	1-164-939-81	s CAP, CHIPCERAMIC 2200PF B 1005
C25	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C27	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C28	1-164-939-81	s CAP, CHIPCERAMIC 2200PF B 1005
C29	1-164-939-81	s CAP, CHIPCERAMIC 2200PF B 1005
C30	1-114-214-81	s CAP,CHIP CERAMIC470PF CH1005
C31	1-114-214-81	s CAP,CHIP CERAMIC470PF CH1005
C32	1-114-214-81	s CAP,CHIP CERAMIC470PF CH1005
C33	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C34	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C35	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C36	1-164-939-81	s CAP, CHIPCERAMIC 2200PF B 1005
C37	1-164-939-81	s CAP, CHIPCERAMIC 2200PF B 1005
C100	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C101	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C102	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C103	1-114-419-21	s CAP, CERAMIC 10MF B (2012)
C104	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
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	1-164-936-81	s CAP, CHIP CERAMIC 680PF B 1005
C108	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C109	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C110	1-114-214-81	s CAP,CHIP CERAMIC470PF CH1005
C111	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C112	1-164-882-81	s CAP,CHIP CERAMIC 220PF CH 1005
C113	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C114	1-114-214-81	s CAP,CHIP CERAMIC470PF CH1005
C115	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C116	1-114-214-81	s CAP,CHIP CERAMIC470PF CH1005
C117	1-112-015-91	s CAP, CHIP CERAMIC 47MF B 3225
C118	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C120	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C121	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C122	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C123	1-114-419-21	s CAP, CERAMIC 10MF B (2012)
C124	1-114-419-21	s CAP, CERAMIC 10MF B (2012)
C125	1-112-015-91	s CAP, CHIP CERAMIC 47MF B 3225
C126	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C127	1-164-936-81	s CAP, CHIP CERAMIC 680PF B 1005
C128	1-114-419-21	s CAP, CERAMIC 10MF B (2012)
C129	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C130	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C131	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C132	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C133	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C134	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C135	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C136	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C137	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C138	1-100-756-91 s	CAP,CHIPCERAMIC 47000PF B 1608
C139	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C141	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C142	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C143	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C144	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C145	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C146	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C147	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C148	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C149	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C150	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C151	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C152	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C153	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C154	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C155	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C156	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C157	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C158	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C159	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C160	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C161	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C162	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C163	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C164	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C165	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C166	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C167	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C168	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C169	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C170	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C171	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C172	1-165-585-21 s	CAP, CHIP ELECT 47MF
C173	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C174	1-165-585-21 s	CAP, CHIP ELECT 47MF
C178	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C179	1-165-585-21 s	CAP, CHIP ELECT 47MF
C180	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C181	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C182	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C184	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C185	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C186	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C187	1-126-402-21 s	CAP, CHIP ELECT 2.2MF (4X5.7)
C188	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C189	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C190	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C191	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C192	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C193	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C195	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C196	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C197	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C198	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C199	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C200	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)

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Ref. No. or Q'ty	Part No.	SP Description
C201	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C202	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C203	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C204	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C205	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C206	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C207	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C208	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C209	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C210	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C211	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C212	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C213	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C214	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C216	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C217	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C218	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C219	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C220	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C221	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C222	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C223	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C224	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C225	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C226	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C227	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C229	1-164-936-81 s	CAP, CHIP CERAMIC 680PF B 1005
C230	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C231	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C232	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C233	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C234	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C235	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
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	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
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	1-100-756-91 s	CAP,CHIPCERAMIC 47000PF B 1608
C244	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C245	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C246	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C247	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C248	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C249	1-114-236-21 s	CAP, CERAMIC 22MF B (3225)
C250	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C251	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C252	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C253	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C255	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C257	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C259	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C260	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C261	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C262	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C264	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C266	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C270	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C276	1-164-936-81 s	CAP, CHIP CERAMIC 680PF B 1005
C278	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C280	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C283	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C285	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C286	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005

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Ref. No. or Q'ty	Part No.	SP Description
C1188	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1189	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1190	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1191	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1192	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1193	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1194	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1195	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C1196	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1197	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1198	1-164-842-81 s	CAP,CHIP CERAMIC 2.0PF CK 1005
C1199	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1200	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1201	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1202	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1203	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C1204	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C1205	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1206	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1207	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C1208	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1209	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1210	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1211	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1212	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1213	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1214	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1215	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C1216	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1300	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1303	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1306	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1307	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1308	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1309	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1310	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1320	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1321	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1322	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1323	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1324	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1325	1-164-839-81 s	CAP,CHIP CERAMIC 0.5PF CK 1005
C1326	1-164-846-81 s	CAP, CHIP CERAMIC 6PF CH 1005
C1327	1-164-839-81 s	CAP,CHIP CERAMIC 0.5PF CK 1005
C1328	1-164-846-81 s	CAP, CHIP CERAMIC 6PF CH 1005
C1329	1-164-839-81 s	CAP,CHIP CERAMIC 0.5PF CK 1005
C1330	1-164-846-81 s	CAP, CHIP CERAMIC 6PF CH 1005
C1331	1-164-852-81 s	CAP, CHIP CERAMIC 12PF CH 1005
C1332	1-164-852-81 s	CAP, CHIP CERAMIC 12PF CH 1005
C1333	1-164-852-81 s	CAP, CHIP CERAMIC 12PF CH 1005
C1338	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1340	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1342	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1343	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1344	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1345	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1346	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1347	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1348	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1349	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1350	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1351	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1352	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1353	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1356	1-164-844-81 s	CAP, CHIP CERAMIC 4PF CH 1005

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Ref. No. or Q'ty	Part No.	SP Description
C1362	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1363	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1364	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1365	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1366	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1367	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1372	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1373	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1374	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C1375	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1376	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1377	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1378	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1379	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1380	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1381	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1382	1-164-839-81 s	CAP,CHIP CERAMIC 0.5PF CK 1005
C1383	1-164-847-81 s	CAP, CHIP CERAMIC 7PF CH 1005
C1384	1-164-839-81 s	CAP,CHIP CERAMIC 0.5PF CK 1005
C1385	1-164-847-81 s	CAP, CHIP CERAMIC 7PF CH 1005
C1386	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1387	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1388	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1389	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1390	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1391	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1392	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1393	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1394	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1395	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1400	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1501	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1502	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1503	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1504	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1505	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1506	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1507	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1508	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1509	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1510	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1511	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C1512	1-164-847-81 s	CAP, CHIP CERAMIC 7PF CH 1005
C1513	1-164-844-81 s	CAP, CHIP CERAMIC 4PF CH 1005
C1515	1-164-870-81 s	CAP, CHIP CERAMIC 68PF CH 1005
C1516	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1517	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C1518	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1520	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1521	1-164-862-81 s	CAP, CHIP CERAMIC 33PF CH 1005
C1524	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1525	1-164-844-81 s	CAP, CHIP CERAMIC 4PF CH 1005
C1526	1-164-870-81 s	CAP, CHIP CERAMIC 68PF CH 1005
C1529	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1530	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1531	1-164-862-81 s	CAP, CHIP CERAMIC 33PF CH 1005
C1532	1-164-870-81 s	CAP, CHIP CERAMIC 68PF CH 1005
C1533	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1534	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1535	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1536	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1537	1-164-844-81 s	CAP, CHIP CERAMIC 4PF CH 1005
C1538	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1540	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1542	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)

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Ref. No. or Q'ty	Part No.	SP Description
C1543	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1544	1-164-847-81 s	CAP, CHIP CERAMIC 7PF CH 1005
C1545	1-164-842-81 s	CAP,CHIP CERAMIC 2.0PF CK 1005
C1546	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1547	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1548	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1549	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1550	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1551	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1552	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1553	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1554	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C1555	1-164-847-81 s	CAP, CHIP CERAMIC 7PF CH 1005
C1556	1-164-844-81 s	CAP, CHIP CERAMIC 4PF CH 1005
C1558	1-164-870-81 s	CAP, CHIP CERAMIC 68PF CH 1005
C1559	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1560	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C1561	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1563	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1564	1-164-862-81 s	CAP, CHIP CERAMIC 33PF CH 1005
C1567	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1568	1-164-844-81 s	CAP, CHIP CERAMIC 4PF CH 1005
C1569	1-164-870-81 s	CAP, CHIP CERAMIC 68PF CH 1005
C1572	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1573	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1574	1-164-862-81 s	CAP, CHIP CERAMIC 33PF CH 1005
C1575	1-164-870-81 s	CAP, CHIP CERAMIC 68PF CH 1005
C1576	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1577	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1578	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1579	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C1580	1-164-844-81 s	CAP, CHIP CERAMIC 4PF CH 1005
C1581	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1583	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1585	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1586	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C1587	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1588	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1589	1-164-847-81 s	CAP, CHIP CERAMIC 7PF CH 1005
C1590	1-164-842-81 s	CAP,CHIP CERAMIC 2.0PF CK 1005
C1591	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1592	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1593	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1801	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1802	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1803	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1804	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1805	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1806	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1807	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1808	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1809	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1810	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1811	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1812	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C1813	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C1814	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1815	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1816	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1817	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1818	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1819	1-126-402-21 s	CAP, CHIP ELECT 2.2MF (4X5.7)
C1820	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1821	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C1822	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C1823	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C1824	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1825	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1826	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1827	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1828	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1829	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1830	1-126-402-21 s	CAP, CHIP ELECT 2.2MF (4X5.7)
C1831	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1832	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1833	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1834	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1835	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1836	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1837	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1838	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1839	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1840	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1841	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1842	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1843	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1844	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1845	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1846	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1847	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1848	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1849	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1850	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1851	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1852	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1853	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1854	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1855	1-164-882-81 s	CAP,CHIP CERAMIC 220PF CH 1005
C1856	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1857	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1859	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1860	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1862	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1863	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1864	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1865	1-164-882-81 s	CAP,CHIP CERAMIC 220PF CH 1005
C1866	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1867	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1868	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1869	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1870	1-164-870-81 s	CAP, CHIP CERAMIC 68PF CH 1005
C1871	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1873	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1874	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1875	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1877	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1878	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1879	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1880	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1881	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1882	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C1883	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1885	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1887	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C1888	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C1889	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1890	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1891	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1894	1-107-781-21 s	CAP, ELECT 47MF
C1895	1-107-781-21 s	CAP, ELECT 47MF

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Ref. No. or Q'ty	Part No.	SP Description
C1896	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C1897	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C1899	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1900	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1903	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C1904	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C1905	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1907	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1909	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C1910	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1911	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1916	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C1918	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1919	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1920	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1921	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1922	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1923	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1924	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1925	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1926	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1927	1-164-939-81 s	CAP, CHIPCERAMIC 2200PF B 1005
C1928	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1929	1-164-939-81 s	CAP, CHIPCERAMIC 2200PF B 1005
C1930	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1931	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1932	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1933	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1934	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1935	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1936	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1937	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1938	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1939	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1940	1-126-402-21 s	CAP, CHIP ELECT 2.2MF (4X5.7)
C1941	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1942	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1943	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1944	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1945	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1946	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1947	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1948	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1949	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1950	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1951	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1952	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1953	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1954	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1955	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1956	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1957	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C1958	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C1959	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1960	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1961	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1962	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1963	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1964	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1965	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1966	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1967	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1968	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1969	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C1970	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005

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Ref. No. or Q'ty	Part No.	SP Description
C1971	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1972	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1973	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1974	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1975	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1976	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1977	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1978	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1979	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1980	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1981	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1982	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1983	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1984	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1985	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C1986	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C1987	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1988	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1989	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1990	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1991	1-164-882-81 s	CAP,CHIP CERAMIC 220PF CH 1005
C1992	1-164-882-81 s	CAP,CHIP CERAMIC 220PF CH 1005
C1993	1-107-781-21 s	CAP, ELECT 47MF
C1994	1-107-781-21 s	CAP, ELECT 47MF
C1995	1-107-781-21 s	CAP, ELECT 47MF
C1996	1-107-781-21 s	CAP, ELECT 47MF
C1997	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1998	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1999	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B (3225)
C2000	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B (3225)
C2001	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2002	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2003	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2004	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2005	1-117-713-21 s	CAP, CHIP ELECT 100MF
C2006	1-117-713-21 s	CAP, CHIP ELECT 100MF
C2007	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2008	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2009	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2010	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2011	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C2012	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2013	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2014	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2015	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2016	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2017	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2018	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2019	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C2020	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2022	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C2023	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C2024	1-126-391-21 s	CAP, CHIP ELECT 47MF (5X5.7)
C2025	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2026	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2027	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2028	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2201	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C2202	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2203	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C2204	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C2205	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C2206	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C2207	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C2208	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)

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C2519	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2520	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2521	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2530	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C2531	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2532	1-164-934-81	s	CAP, CHIP CERAMIC 330PF B 1005
C2534	1-164-882-81	s	CAP,CHIP CERAMIC 220PF CH 1005
C2536	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C2537	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C2541	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2542	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2544	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2545	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2546	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2547	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2548	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2551	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2553	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2555	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2556	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2557	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2558	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2559	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2560	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2561	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2562	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2563	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2564	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2565	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2566	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2567	1-126-391-21	s	CAP, CHIP ELECT 47MF (5X5.7)
C2568	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2569	1-117-144-21	s	CAP, ELECT 0.47MF
C2570	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2571	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2572	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2573	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2574	1-126-391-21	s	CAP, CHIP ELECT 47MF (5X5.7)
C2575	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2576	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2577	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2578	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2579	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2580	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2581	1-126-394-21	s	CAP, CHIP ELECT 10MF (4X5.7)
C2582	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C2583	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C2584	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2585	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2586	1-164-878-81	s	CAP,CHIP CERAMIC 150PF CH 1005
C2587	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2588	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2589	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2590	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2591	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2592	1-126-391-21	s	CAP, CHIP ELECT 47MF (5X5.7)
C2593	1-117-144-21	s	CAP, ELECT 0.47MF
C2594	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2595	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2596	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2597	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2598	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2599	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2600	1-126-394-21	s	CAP, CHIP ELECT 10MF (4X5.7)
C2601	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005

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C2603	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2604	1-164-878-81	s	CAP,CHIP CERAMIC 150PF CH 1005
C2607	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2608	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2609	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2610	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2611	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2612	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2613	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2614	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2615	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2618	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2619	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2620	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2621	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2624	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2627	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2628	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2629	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2630	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2631	1-165-989-91	s	CAP, CERAMIC 10MF (2012)
C2632	1-165-989-91	s	CAP, CERAMIC 10MF (2012)
C2633	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2634	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2635	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2636	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C2637	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2638	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C2639	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C2640	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2641	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2642	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2643	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2644	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2646	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2655	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2658	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2659	1-112-914-11	s	CAP,NI0BIUM ELECT 10MF105 3216
C2813	1-114-419-21	s	CAP, CERAMIC 10MF B (2012)
C2814	1-114-419-21	s	CAP, CERAMIC 10MF B (2012)
C2815	1-112-015-91	s	CAP, CHIP CERAMIC 47MF B 3225
C2816	1-164-936-81	s	CAP, CHIP CERAMIC 680PF B 1005
C2817	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2818	1-114-419-21	s	CAP, CERAMIC 10MF B (2012)
C2819	1-112-015-91	s	CAP, CHIP CERAMIC 47MF B 3225
C2820	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2821	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2822	1-112-015-91	s	CAP, CHIP CERAMIC 47MF B 3225
C2823	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2824	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2837	1-100-055-21	s	CAP, CHIP CERAMIC 22MF B 3225
C2838	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2839	1-114-419-21	s	CAP, CERAMIC 10MF B (2012)
C2840	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2841	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2844	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2845	1-114-214-81	s	CAP,CHIP CERAMIC470PF CH1005
C2846	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C2847	1-114-419-21	s	CAP, CERAMIC 10MF B (2012)
C2848	1-164-936-81	s	CAP, CHIP CERAMIC 680PF B 1005
C2849	1-114-419-21	s	CAP, CERAMIC 10MF B (2012)
CN1	1-778-534-31	s	CONNECTOR, FFC/FPC(ZIF) ST 45P
CN2	1-778-534-31	s	CONNECTOR, FFC/FPC(ZIF) ST 45P
CN3	1-778-534-31	s	CONNECTOR, FFC/FPC(ZIF) ST 45P
CN4	1-778-646-31	s	CONNECTOR, FFC/FPC(ZIF) ST 10P

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Ref. No. or Q'ty	Part No.	SP Description
CN5	1-750-890-11 s	CONNECTOR,D-SUB (ANGLE TYPE) 25P
CN101	1-785-728-21 s	PIN (PC BOARD), CONNECTOR 7P
CN102	1-784-254-21 s	CONNECTOR 10P
CN400	1-843-071-11 s	CONNECTOR, COAXIAL (RECEPTACLE)
CN401	1-784-254-21 s	CONNECTOR 10P
CN403	1-764-243-31 o	CONNECTOR (COAXIAL)
CN404	1-764-243-31 o	CONNECTOR (COAXIAL)
CN405	1-764-243-31 o	CONNECTOR (COAXIAL)
CN406	1-764-243-31 o	CONNECTOR (COAXIAL)
CN600	1-784-254-21 s	CONNECTOR 10P
CN801	1-793-324-11 o	CONNECTOR, COAXIAL (BNC TYPE)
CN802	1-793-324-11 o	CONNECTOR, COAXIAL (BNC TYPE)
CN803	1-793-324-11 o	CONNECTOR, COAXIAL (BNC TYPE)
CN804	1-793-324-11 o	CONNECTOR, COAXIAL (BNC TYPE)
CN901	1-785-946-21 s	CONNECTOR 3P
CN1000	1-819-696-21 s	CONNECTOR, HDMI
CN1100	1-778-534-31 s	CONNECTOR, FFC/FPC(ZIF) ST 45P
CN1501	1-794-822-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN2301	1-784-254-21 s	CONNECTOR 10P
CN2501	1-794-822-11 s	CONNECTOR, COAXIAL (BNC TYPE)
D100	8-719-083-60 s	DI UDZSUSTE-174.7B
D101	6-501-123-01 s	DIODE RB160M-60TR
D102	8-719-070-20 s	DIODE RB706F-40
D103	8-719-048-98 s	DIODE RB160L-40TE25
D104	6-501-123-01 s	DIODE RB160M-60TR
D105	8-719-083-60 s	DI UDZSUSTE-174.7B
D106	8-719-083-60 s	DI UDZSUSTE-174.7B
D107	8-719-083-60 s	DI UDZSUSTE-174.7B
D108	8-719-083-60 s	DI UDZSUSTE-174.7B
D112	8-719-070-20 s	DIODE RB706F-40
D113	8-719-048-98 s	DIODE RB160L-40TE25
D114	6-502-197-01 s	DI SML-D12M8WT86SM
D115	8-719-083-60 s	DI UDZSUSTE-174.7B
D400	8-719-077-09 s	DIODE CL-196HR-CD-T
D401	8-719-024-71 s	DIODE 1SS362-TE85L
D402	6-501-124-01 s	DIODE RSX101VA-30TR
D403	6-501-124-01 s	DIODE RSX101VA-30TR
D700	8-719-082-45 s	DIODE RB715W-TL
D701	8-719-077-09 s	DIODE CL-196HR-CD-T
D900	6-502-197-01 s	DI SML-D12M8WT86SM
D901	6-502-197-01 s	DI SML-D12M8WT86SM
D902	6-502-197-01 s	DI SML-D12M8WT86SM
D903	6-502-197-01 s	DI SML-D12M8WT86SM
D1502	8-719-070-20 s	DIODE RB706F-40
D1503	8-719-070-20 s	DIODE RB706F-40
D1803	8-719-024-71 s	DIODE 1SS362-TE85L
D1804	8-719-024-71 s	DIODE 1SS362-TE85L
D1805	8-719-024-71 s	DIODE 1SS362-TE85L
D1807	8-719-024-71 s	DIODE 1SS362-TE85L
D1808	8-719-083-82 s	DI UDZSUSTE-1712B
D1809	8-719-083-82 s	DI UDZSUSTE-1712B
D1810	8-719-083-82 s	DI UDZSUSTE-1712B
D1811	8-719-083-82 s	DI UDZSUSTE-1712B
D2201	8-719-024-71 s	DIODE 1SS362-TE85L
D2202	8-719-024-71 s	DIODE 1SS362-TE85L
D2203	8-719-024-71 s	DIODE 1SS362-TE85L
D2302	8-719-024-71 s	DIODE 1SS362-TE85L
D2303	8-719-024-71 s	DIODE 1SS362-TE85L
D2503	8-719-024-71 s	DIODE 1SS362-TE85L
D2504	8-719-024-71 s	DIODE 1SS362-TE85L
D2505	8-719-024-71 s	DIODE 1SS362-TE85L
D2506	8-719-024-71 s	DIODE 1SS362-TE85L
D2508	8-719-024-71 s	DIODE 1SS362-TE85L
E100	1-535-877-22 s	CHIP, CHECKER

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Ref. No. or Q'ty	Part No.	SP Description
E101	1-535-877-22 s	CHIP, CHECKER
E102	1-535-877-22 s	CHIP, CHECKER
E103	1-535-877-22 s	CHIP, CHECKER
E104	1-535-877-22 s	CHIP, CHECKER
E105	1-535-877-22 s	CHIP, CHECKER
E106	1-535-877-22 s	CHIP, CHECKER
E107	1-535-877-22 s	CHIP, CHECKER
FB1	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB2	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB3	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB4	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB5	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB6	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB100	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB101	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB102	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB103	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB104	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB105	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB106	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB107	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB108	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB109	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB110	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB112	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB114	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB117	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB118	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB119	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB120	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB121	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB122	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB123	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB124	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB125	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB126	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB127	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB128	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB129	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB130	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB131	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB132	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB133	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB135	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB137	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB139	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB141	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB142	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB143	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB144	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB145	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB146	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB147	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB148	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB150	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB152	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB153	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB154	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB155	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB156	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB161	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB162	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB163	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB164	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB169	1-469-094-21 s	FERRITE, EMI (SMD) (1608)

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Ref. No. or Q'ty	Part No.	SP Description
FB170	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB171	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB172	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB173	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB300	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB302	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB304	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB305	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB400	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB401	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB402	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB403	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB404	1-469-094-21 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)
FB408	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB409	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB410	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB411	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB412	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB413	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB414	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB415	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB416	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB417	1-400-833-21 s	SMD EMI FERRITE
FB418	1-400-833-21 s	SMD EMI FERRITE
FB419	1-400-833-21 s	SMD EMI FERRITE
FB420	1-400-833-21 s	SMD EMI FERRITE
FB421	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB422	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB423	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB424	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB425	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB426	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB427	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB428	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB429	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB430	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB431	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB432	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB435	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB436	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB600	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB601	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB602	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB604	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB800	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)
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)
FB817	1-469-094-21 s	FERRITE, EMI (SMD) (1608)

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Ref. No. or Q'ty	Part No.	SP Description
FB818	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB900	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB901	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB902	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1000	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1001	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1002	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1003	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1004	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1100	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1101	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1103	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1104	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1314	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB1316	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB1501	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB1502	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB2301	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB2501	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB2502	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB2503	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FL400	1-239-896-22 s	FILTER, EMI (SMD)
FL401	1-239-896-22 s	FILTER, EMI (SMD)
FL1102	1-200-152-11 s	FILTER (LPF)
FL1103	1-200-153-11 s	FILTER (EQ1)
FL1104	1-200-154-11 s	FILTER (EQ2)
FL1105	1-200-152-11 s	FILTER (LPF)
FL1106	1-200-153-11 s	FILTER (EQ1)
FL1107	1-200-154-11 s	FILTER (EQ2)
FL1300	1-813-544-11 s	FILTER, LOW PASS
FL1301	1-813-544-11 s	FILTER, LOW PASS
FL1302	1-813-544-11 s	FILTER, LOW PASS
IC1	6-706-478-01 s	IC TC7SET08FU
IC3	6-707-875-01 s	IC TC74VHC245FT (EKJ)
IC100	8-759-338-95 s	IC NJM2903V (TE2)
IC101	6-706-482-01 s	IC TC7SH00FU
IC102	6-706-482-01 s	IC TC7SH00FU
IC103	6-705-481-01 s	IC LT1931ES5#TR
IC104	6-712-135-01 o	IC R1173H001D-T1-F
IC105	6-713-169-01 s	IC LTC3412AEFE#TR
IC106	6-701-549-01 s	IC LTC1778EGN
IC107	6-712-135-01 o	IC R1173H001D-T1-F
IC108	6-712-135-01 o	IC R1173H001D-T1-F
IC109	6-705-481-01 s	IC LT1931ES5#TR
IC110	6-704-976-01 s	IC ADR381ARTZ-REEL7
IC111	8-759-278-58 s	IC NJM4558V-TE2
IC112	6-706-482-01 s	IC TC7SH00FU
IC113	6-712-135-01 o	IC R1173H001D-T1-F
IC114	8-759-278-58 s	IC NJM4558V-TE2
IC115	6-706-482-01 s	IC TC7SH00FU
IC116	8-759-338-95 s	IC NJM2903V (TE2)
IC121	6-701-549-01 s	IC LTC1778EGN
IC124	6-713-169-01 s	IC LTC3412AEFE#TR
IC125	6-706-482-01 s	IC TC7SH00FU
IC127	6-713-169-01 s	IC LTC3412AEFE#TR
IC129	6-706-220-01 s	IC LTC3411EMS#TR
IC300	6-711-237-01 s	IC NJM2878F3-33 (TE2)
IC301	6-702-879-01 s	IC R3112N281A-TR-FA
IC302	6-707-875-01 s	IC TC74VHC245FT (EKJ)
IC304	6-708-277-01 s	IC CDCVF25081PWR
IC305	6-707-875-01 s	IC TC74VHC245FT (EKJ)
IC306	6-707-875-01 s	IC TC74VHC245FT (EKJ)
IC307	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC308	6-707-875-01 s	IC TC74VHC245FT (EKJ)

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Ref. No. or Q'ty	Part No.	SP Description
IC309	6-710-018-01 s	IC CAT24C02WI-GT3
IC310	6-706-487-01 s	IC TC7SH08FU
IC311	6-707-845-01 s	IC TC74LCX138FT (EKJ)
IC312	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC313	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC314	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC315	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC316	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC317	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC318	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC319	6-708-277-01 s	IC CDCVF25081PWR
IC320	6-708-277-01 s	IC CDCVF25081PWR
IC321	8-759-656-54 s	IC TC7WH14FK
IC322	6-711-237-01 s	IC NJM2878F3-33 (TE2)
IC401	6-717-776-01 s	IC LMH0024MAE
IC404	8-759-092-83 s	IC SN75158PSR
IC405	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC407	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC408	8-759-592-44 s	IC TC7SZ04FU (TE85R)
IC409	8-759-592-44 s	IC TC7SZ04FU (TE85R)
IC410	6-711-485-01 s	IC TC74VCX125FK (EL)
IC411	6-711-485-01 s	IC TC74VCX125FK (EL)
IC412	6-711-485-01 s	IC TC74VCX125FK (EL)
IC413	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC414	6-700-655-01 s	IC LT1963ES8#TR
IC415	6-706-484-01 s	IC TC7SH04FU
IC416	6-700-655-01 s	IC LT1963ES8#TR
IC417	6-712-135-01 o	IC R1173H001D-T1-F
IC418	6-706-478-01 s	IC TC7SET08FU
IC420	6-707-877-01 s	IC TC74VHC32FT (EKJ)
IC423	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC602	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC611	6-713-821-01 s	IC EPCS16SI8N (AMK)
IC613	6-707-843-01 s	IC TC74LCX125FT (EKJ)
IC614	6-707-843-01 s	IC TC74LCX125FT (EKJ)
IC622	8-759-672-76 s	IC AK9813BF-E2
IC628	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC629	8-759-346-27 s	IC LM45BIM3X
IC630	8-759-592-44 s	IC TC7SZ04FU (TE85R)
IC631	6-711-485-01 s	IC TC74VCX125FK (EL)
IC701	6-714-534-01 s	IC W9864G2IH-6-ER10
IC702	6-714-534-01 s	IC W9864G2IH-6-ER10
IC703	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC704	6-714-534-01 s	IC W9864G2IH-6-ER10
IC705	6-714-534-01 s	IC W9864G2IH-6-ER10
IC723	6-707-863-01 s	IC TC74VHC08FT (EKJ)
IC800	6-706-484-01 s	IC TC7SH04FU
IC801	8-759-592-49 s	IC TC7SZ125FU (TE85R)
IC802	6-706-484-01 s	IC TC7SH04FU
IC803	8-759-592-49 s	IC TC7SZ125FU (TE85R)
IC804	6-711-237-01 s	IC NJM2878F3-33 (TE2)
IC805	6-711-237-01 s	IC NJM2878F3-33 (TE2)
IC806	8-759-592-49 s	IC TC7SZ125FU (TE85R)
IC807	8-759-592-49 s	IC TC7SZ125FU (TE85R)
IC808	6-712-135-01 o	IC R1173H001D-T1-F
IC811	6-712-135-01 o	IC R1173H001D-T1-F
IC906	6-706-949-01 s	IC IDT71V416S12PHG-TL
IC907	6-714-365-01 s	IC MX29LV640EBTI-70G
IC910	6-713-821-01 s	IC EPCS16SI8N (AMK)
IC911	6-707-843-01 s	IC TC74LCX125FT (EKJ)
IC914	6-707-843-01 s	IC TC74LCX125FT (EKJ)
IC915	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC916	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC917	8-759-592-44 s	IC TC7SZ04FU (TE85R)
IC918	6-711-485-01 s	IC TC74VCX125FK (EL)

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Ref. No. or Q'ty	Part No.	SP Description
IC1001	6-712-135-01 o	IC R1173H001D-T1-F
IC1002	6-712-135-01 o	IC R1173H001D-T1-F
IC1100	6-706-358-01 s	IC AD5424YCPZ-REEL7
IC1101	6-707-556-01 s	IC CXD9184R
IC1102	6-704-489-01 s	IC AD9283BRSZ-RL80
IC1104	6-706-478-01 s	IC TC7SET08FU
IC1106	6-706-471-01 s	IC THS5661AIPWR
IC1107	6-706-471-01 s	IC THS5661AIPWR
IC1109	6-707-839-01 s	IC TC74LCX04FT (EKJ)
IC1110	6-707-855-01 s	IC TC74LCX574FT (EKJ)
IC1111	6-707-855-01 s	IC TC74LCX574FT (EKJ)
IC1112	6-707-855-01 s	IC TC74LCX574FT (EKJ)
IC1113	6-706-484-01 s	IC TC7SH04FU
IC1116	8-759-669-66 s	IC TLC272CPWR-12
IC1117	6-706-482-01 s	IC TC7SH00FU
IC1131	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1132	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1133	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1134	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1137	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1138	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC1301	8-759-645-13 s	IC ADV7123KSTZ140
IC1302	6-706-478-01 s	IC TC7SET08FU
IC1303	6-706-478-01 s	IC TC7SET08FU
IC1305	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1306	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1309	6-707-997-01 s	IC ADV7320KSTZ
IC1310	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1311	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1315	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1801	6-711-237-01 s	IC NJM2878F3-33 (TE2)
IC1802	6-711-237-01 s	IC NJM2878F3-33 (TE2)
IC1803	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC1804	6-700-563-01 s	IC AK4552VT-E2
IC1805	6-707-884-01 s	IC TC74VHC04AFT (EKJ)
IC1806	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC1807	8-759-278-58 s	IC NJM4558V-TE2
IC1808	8-759-278-58 s	IC NJM4558V-TE2
IC1809	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC1810	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC1811	8-759-278-58 s	IC NJM4558V-TE2
IC1812	8-759-675-54 s	IC TC7W53FK (TE85R)
IC1815	6-700-563-01 s	IC AK4552VT-E2
IC1816	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC1817	8-759-356-17 s	IC NJM4556AM-A-TE2
IC1818	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC1819	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC1820	6-700-563-01 s	IC AK4552VT-E2
IC1821	8-759-675-54 s	IC TC7W53FK (TE85R)
IC1822	8-759-278-58 s	IC NJM4558V-TE2
IC1823	8-759-278-58 s	IC NJM4558V-TE2
IC1824	8-759-356-17 s	IC NJM4556AM-A-TE2
IC1825	8-759-530-05 s	IC TC4053BFT (EL,N)
IC1826	8-759-422-21 s	IC NJM4580V (TE2)
IC1827	8-759-675-54 s	IC TC7W53FK (TE85R)
IC1828	8-759-278-58 s	IC NJM4558V-TE2
IC1829	8-759-356-17 s	IC NJM4556AM-A-TE2
IC1830	8-759-530-05 s	IC TC4053BFT (EL,N)
IC1831	8-759-422-21 s	IC NJM4580V (TE2)
IC1832	6-706-484-01 s	IC TC7SH04FU
IC2201	6-701-111-01 s	IC AK4382AVT-E2
IC2202	8-759-278-58 s	IC NJM4558V-TE2
IC2203	8-759-675-54 s	IC TC7W53FK (TE85R)
IC2204	8-759-675-54 s	IC TC7W53FK (TE85R)
IC2205	8-759-422-21 s	IC NJM4580V (TE2)

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Ref. No. or Q'ty	Part No.	SP Description
IC2206	8-759-422-21 s	IC NJM4580V (TE2)
IC2301	6-713-829-01 s	IC EPCS4SI8N (11)
IC2302	6-707-843-01 s	IC TC74LCX125FT (EKJ)
IC2303	6-707-843-01 s	IC TC74LCX125FT (EKJ)
IC2304	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC2306	6-707-842-01 s	IC TC74LCX08FT (EKJ)
IC2307	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC2308	6-712-382-01 s	IC TC74VHC4053AFT (EK)
IC2309	6-712-382-01 s	IC TC74VHC4053AFT (EK)
IC2310	8-759-248-78 s	IC MB88102PFV-G-BND-ER
IC2311	8-759-669-66 s	IC TLC272CPWR-12
IC2312	8-759-485-24 s	IC MC74HC4046ADTR2
IC2313	8-759-592-42 s	IC TC7SZ00FU (TE85R)
IC2314	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC2315	6-706-488-01 s	IC TC7SH14FU
IC2316	6-706-488-01 s	IC TC7SH14FU
IC2317	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC2318	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC2319	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC2320	6-707-850-01 s	IC TC74LCX245FT (EKJ)
IC2322	8-759-592-49 s	IC TC7SZ125FU (TE85R)
IC2323	8-759-592-44 s	IC TC7SZ04FU (TE85R)
IC2324	6-711-485-01 s	IC TC74VCX125FK (EL)
IC2501	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC2504	6-707-884-01 s	IC TC74VHCT04AFT (EKJ)
IC2505	8-759-327-14 s	IC TL712CPSR
IC2506	8-759-592-42 s	IC TC7SZ00FU (TE85R)
IC2507	8-759-523-02 s	IC TC74HC4053AFT (EL)
IC2508	8-759-669-66 s	IC TLC272CPWR-12
IC2509	8-759-327-14 s	IC TL712CPSR
IC2514	8-759-675-54 s	IC TC7W53FK (TE85R)
IC2515	8-759-669-66 s	IC TLC272CPWR-12
IC2516	8-759-327-14 s	IC TL712CPSR
IC2517	6-708-346-01 s	IC DAC7512N
IC2518	8-759-523-04 s	IC TC74HC4538AFT (EL)
IC2519	8-759-287-55 s	IC TC7S66FU (TE85R)
IC2520	8-759-287-55 s	IC TC7S66FU (TE85R)
IC2521	6-700-186-01 s	IC GS4981ITA
IC2522	6-708-346-01 s	IC DAC7512N
IC2523	8-759-669-66 s	IC TLC272CPWR-12
IC2524	8-759-523-04 s	IC TC74HC4538AFT (EL)
IC2525	8-759-669-41 s	IC SN74LVC125APWR-12
IC2526	6-706-478-01 s	IC TC7SET08FU
IC2527	8-759-485-24 s	IC MC74HC4046ADTR2
IC2529	8-759-675-54 s	IC TC7W53FK (TE85R)
IC2530	8-759-669-66 s	IC TLC272CPWR-12
IC2533	8-759-592-43 s	IC TC7SZ02FU (TE85R)
IC2537	6-706-478-01 s	IC TC7SET08FU
IC2538	8-759-669-41 s	IC SN74LVC125APWR-12
IC2539	8-759-485-24 s	IC MC74HC4046ADTR2
IC2540	8-759-675-54 s	IC TC7W53FK (TE85R)
IC2541	8-759-675-54 s	IC TC7W53FK (TE85R)
IC2542	6-706-481-01 s	IC TC7SET32FU
IC2543	8-759-669-66 s	IC TLC272CPWR-12
IC2544	8-759-592-43 s	IC TC7SZ02FU (TE85R)
L1	1-412-280-41 s	CHIP INDUCTOR 330UH
L2	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L3	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L4	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L5	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L6	1-412-280-41 s	CHIP INDUCTOR 330UH
L7	1-457-217-21 o	COMMON MODE CHOKE COIL
L8	1-457-217-21 o	COMMON MODE CHOKE COIL
L9	1-457-217-21 o	COMMON MODE CHOKE COIL

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Ref. No. or Q'ty	Part No.	SP Description
L100	1-416-344-21 s	COIL, CHOKE 10UH
L101	1-416-344-21 s	COIL, CHOKE 10UH
L102	1-416-344-21 s	COIL, CHOKE 10UH
L103	1-481-180-21 s	INDUCTOR 10UH
L104	1-416-344-21 s	COIL, CHOKE 10UH
L105	1-416-344-21 s	COIL, CHOKE 10UH
L108	1-481-180-21 s	INDUCTOR 10UH
L109	1-419-630-21 s	COIL, CHOKE 4.7UH
L110	1-419-630-21 s	COIL, CHOKE 4.7UH
L112	1-457-372-21 s	COIL, CHOKE 1UH
L115	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L117	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L118	1-457-372-21 s	COIL, CHOKE 1UH
L400	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L401	1-414-838-21 s	INDUCTOR, CHIP 6.8NH (1005)
L402	1-414-838-21 s	INDUCTOR, CHIP 6.8NH (1005)
L403	1-414-838-21 s	INDUCTOR, CHIP 6.8NH (1005)
L404	1-414-838-21 s	INDUCTOR, CHIP 6.8NH (1005)
L405	1-414-396-41 s	INDUCTOR (SMD) 4.7UH
L406	1-414-396-41 s	INDUCTOR (SMD) 4.7UH
L407	1-414-396-41 s	INDUCTOR (SMD) 4.7UH
L408	1-414-396-41 s	INDUCTOR (SMD) 4.7UH
L409	1-414-396-41 s	INDUCTOR (SMD) 4.7UH
L410	1-414-396-41 s	INDUCTOR (SMD) 4.7UH
L411	1-414-396-41 s	INDUCTOR (SMD) 4.7UH
L600	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L601	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L602	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L603	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L604	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L605	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L606	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L700	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L701	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L702	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L703	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L704	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L705	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L706	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L707	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L708	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L709	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L802	1-414-459-21 s	INDUCTOR, CHIP (S) 4.7NH
L803	1-414-459-21 s	INDUCTOR, CHIP (S) 4.7NH
L804	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L805	1-414-459-21 s	INDUCTOR, CHIP (S) 4.7NH
L806	1-414-459-21 s	INDUCTOR, CHIP (S) 4.7NH
L807	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L900	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L901	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L902	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L903	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L904	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L905	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L1000	1-813-308-11 o	COMMON MODE CHOKE
L1001	1-813-308-11 o	COMMON MODE CHOKE
L1002	1-813-308-11 o	COMMON MODE CHOKE
L1003	1-813-308-11 o	COMMON MODE CHOKE
L1004	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1101	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1102	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1103	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1104	1-412-987-41 s	INDUCTOR, SMALL TYPE 4.7UH
L1105	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1107	1-414-398-41 s	INDUCTOR (SMD) 10.0UH

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Ref. No. or Q'ty	Part No.	SP Description
L1108	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1109	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1112	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1113	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1114	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1115	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1116	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1117	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1118	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1119	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1120	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1121	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1122	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1302	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1304	1-412-979-41 s	INDUCTOR, SMALL TYPE 1.0UH
L1305	1-412-979-41 s	INDUCTOR, SMALL TYPE 1.0UH
L1306	1-412-979-41 s	INDUCTOR, SMALL TYPE 1.0UH
L1307	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1308	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1309	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1310	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1311	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1312	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1313	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1314	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1317	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1318	1-412-987-41 s	INDUCTOR, SMALL TYPE 4.7UH
L1319	1-412-987-41 s	INDUCTOR, SMALL TYPE 4.7UH
L1320	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1321	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1322	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1323	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1325	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1501	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1502	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1503	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1504	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1505	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1506	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1507	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1508	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1509	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1510	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1511	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1512	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1801	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1802	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1803	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1804	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1805	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1806	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L1807	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2201	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2202	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2301	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2302	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2303	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L2304	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L2305	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L2306	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2307	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2308	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L2309	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2501	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2502	1-414-398-41 s	INDUCTOR (SMD) 10.0UH

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Ref. No. or Q'ty	Part No.	SP Description
L2503	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2504	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2505	1-414-396-41 s	INDUCTOR (SMD) 4.7UH
L2506	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2507	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2508	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2509	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2513	1-414-396-41 s	INDUCTOR (SMD) 4.7UH
L2514	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2515	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2516	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2517	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2518	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2519	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2520	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2521	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2522	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2523	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2524	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2525	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2526	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2527	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2528	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2529	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2530	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2531	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2535	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L2540	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
Q1	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q2	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q3	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q4	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q5	8-729-928-25 s	TRANSISTOR 2SA1774TL-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	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q10	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q11	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q12	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q13	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q14	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q15	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q16	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q17	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q100	8-729-054-35 s	TRANSISTOR HAT2070R-EL
Q101	8-729-054-35 s	TRANSISTOR HAT2070R-EL
Q102	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q103	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q104	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q105	8-729-054-35 s	TRANSISTOR HAT2070R-EL
Q106	8-729-054-35 s	TRANSISTOR HAT2070R-EL
Q107	6-550-631-01 s	TRANSISTOR 2SA1797-T100-Q
Q109	6-550-632-01 s	TRANSISTOR 2SC4672-T100-Q
Q110	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q111	6-550-631-01 s	TRANSISTOR 2SA1797-T100-Q
Q112	6-550-632-01 s	TRANSISTOR 2SC4672-T100-Q
Q113	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q114	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q115	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q116	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q117	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q118	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q119	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR

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Ref. No. or Q'ty	Part No.	SP Description
Q120	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q121	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q122	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q123	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q124	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q400	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q401	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q700	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1102	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1103	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1104	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q1105	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1106	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1107	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1108	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1300	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1301	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1302	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1303	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1304	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1305	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1306	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1307	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1501	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1502	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1503	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1504	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1505	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1506	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1507	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1508	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1509	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1510	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1511	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1512	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1513	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1514	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1515	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q1516	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1517	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1518	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1519	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1520	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1521	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1522	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1523	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1524	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q1525	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1526	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1527	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1528	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1529	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1530	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1531	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1532	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1533	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q1534	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1535	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1536	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1537	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1538	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1539	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1540	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1541	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q1542	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR

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Ref. No. or Q'ty	Part No.	SP Description
Q1543	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1544	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1545	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1546	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1547	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1548	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1549	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1550	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1551	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1552	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1553	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1554	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1555	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1556	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1557	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1558	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q1559	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1560	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1561	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1562	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1563	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1564	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1565	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1566	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1567	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q1568	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1569	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1570	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1571	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1572	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1573	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1574	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1575	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1576	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q1577	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1578	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1579	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1580	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1581	6-550-361-01 s	TRANSISTOR 2SK2539-6/7/8-TB-E
Q1582	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1583	8-729-117-76 s	TRANSISTOR 2SC4178-T1F14
Q1584	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q1585	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1586	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1587	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1588	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1803	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q1804	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q1807	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1808	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1809	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1810	8-729-928-91 s	TRANSISTOR DTC114EE-TL
Q1811	8-729-928-91 s	TRANSISTOR DTC114EE-TL
Q1814	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q1815	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q1816	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q1817	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q1818	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1819	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1820	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1821	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1822	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1823	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1824	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1825	8-729-928-28 s	TRANSISTOR DTA144EE-TL

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Ref. No. or Q'ty	Part No.	SP Description
Q1826	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1827	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1828	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1829	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1830	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1831	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1832	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1833	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1834	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1835	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1836	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1837	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1838	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1839	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1840	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1841	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1842	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1843	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1844	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1846	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1849	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1850	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1851	8-729-928-91 s	TRANSISTOR DTC114EE-TL
Q1852	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1853	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q1854	8-729-928-91 s	TRANSISTOR DTC114EE-TL
Q1855	6-551-294-01 s	TRANSISTOR MCH6606-TL-E
Q1856	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1857	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1858	6-551-294-01 s	TRANSISTOR MCH6606-TL-E
Q1859	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q1860	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q2201	8-729-928-91 s	TRANSISTOR DTC114EE-TL
Q2202	8-729-928-91 s	TRANSISTOR DTC114EE-TL
Q2203	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q2204	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q2205	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q2206	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q2207	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q2208	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q2209	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q2210	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q2211	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q2212	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q2213	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q2214	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q2215	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q2301	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q2501	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q2502	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q2503	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q2504	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q2506	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q2507	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q2508	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q2509	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q2510	8-729-142-11 s	TRANSISTOR 2SA1226-T1E3E4
Q2511	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q2512	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
R1	1-220-878-81 s	RES, CHIP 22 (1005)
R2	1-220-878-81 s	RES, CHIP 22 (1005)
R3	1-208-867-81 s	RES, CHIP 150 (1005)
R4	1-208-867-81 s	RES, CHIP 150 (1005)
R5	1-220-874-81 s	RES, CHIP 15 (1005)
R6	1-220-874-81 s	RES, CHIP 15 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R7	1-220-874-81 s	RES, CHIP 15 (1005)
R8	1-220-874-81 s	RES, CHIP 15 (1005)
R9	1-208-855-81 s	RES, CHIP 47 (1005)
R10	1-220-874-81 s	RES, CHIP 15 (1005)
R11	1-220-874-81 s	RES, CHIP 15 (1005)
R12	1-208-855-81 s	RES, CHIP 47 (1005)
R13	1-208-899-81 s	RES, CHIP 3.3K (1005)
R14	1-208-863-81 s	RES, CHIP 100 (1005)
R15	1-208-899-81 s	RES, CHIP 3.3K (1005)
R17	1-208-895-81 s	RES, CHIP 2.2K (1005)
R18	1-208-895-81 s	RES, CHIP 2.2K (1005)
R19	1-208-899-81 s	RES, CHIP 3.3K (1005)
R20	1-208-863-81 s	RES, CHIP 100 (1005)
R22	1-208-863-81 s	RES, CHIP 100 (1005)
R24	1-208-899-81 s	RES, CHIP 3.3K (1005)
R25	1-208-895-81 s	RES, CHIP 2.2K (1005)
R26	1-208-895-81 s	RES, CHIP 2.2K (1005)
R28	1-208-899-81 s	RES, CHIP 3.3K (1005)
R29	1-208-899-81 s	RES, CHIP 3.3K (1005)
R30	1-208-855-81 s	RES, CHIP 47 (1005)
R31	1-220-874-81 s	RES, CHIP 15 (1005)
R32	1-220-874-81 s	RES, CHIP 15 (1005)
R33	1-208-855-81 s	RES, CHIP 47 (1005)
R34	1-220-874-81 s	RES, CHIP 15 (1005)
R35	1-220-874-81 s	RES, CHIP 15 (1005)
R36	1-220-878-81 s	RES, CHIP 22 (1005)
R37	1-220-878-81 s	RES, CHIP 22 (1005)
R39	1-208-863-81 s	RES, CHIP 100 (1005)
R40	1-220-870-81 s	RES, CHIP 10 (1005)
R41	1-220-870-81 s	RES, CHIP 10 (1005)
R42	1-208-895-81 s	RES, CHIP 2.2K (1005)
R43	1-208-911-81 s	RES, CHIP 10K (1005)
R46	1-220-874-81 s	RES, CHIP 15 (1005)
R47	1-220-874-81 s	RES, CHIP 15 (1005)
R48	1-220-878-81 s	RES, CHIP 22 (1005)
R100	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R101	1-208-911-81 s	RES, CHIP 10K (1005)
R102	1-208-863-81 s	RES, CHIP 100 (1005)
R104	1-208-911-81 s	RES, CHIP 10K (1005)
R105	1-208-919-81 s	RES, CHIP 22K (1005)
R106	1-208-951-81 s	RES, CHIP 470K (1005)
R107	1-208-935-81 s	RES, CHIP 100K (1005)
R108	1-208-911-81 s	RES, CHIP 10K (1005)
R109	1-208-919-81 s	RES, CHIP 22K (1005)
R110	1-208-919-81 s	RES, CHIP 22K (1005)
R111	1-208-919-81 s	RES, CHIP 22K (1005)
R112	1-208-919-81 s	RES, CHIP 22K (1005)
R113	1-208-899-81 s	RES, CHIP 3.3K (1005)
R114	1-220-230-91 s	RES,SQUARE TYPE CHIP 2.2 (3225)
R115	1-208-919-81 s	RES, CHIP 22K (1005)
R116	1-243-975-81 s	RES, CHIP 4.7M (1005)
R117	1-208-911-81 s	RES, CHIP 10K (1005)
R118	1-243-975-81 s	RES, CHIP 4.7M (1005)
R119	1-208-919-81 s	RES, CHIP 22K (1005)
R120	1-208-887-81 s	RES, CHIP 1.0K (1005)
R121	1-208-911-81 s	RES, CHIP 10K (1005)
R122	1-208-943-81 s	RES, CHIP 220K (1005)
R123	1-208-911-81 s	RES, CHIP 10K (1005)
R124	1-208-899-81 s	RES, CHIP 3.3K (1005)
R125	1-208-923-81 s	RES, CHIP 33K (1005)
R126	1-208-959-81 s	RES, CHIP 1M (1005)
R127	1-208-959-81 s	RES, CHIP 1M (1005)
R128	1-208-863-81 s	RES, CHIP 100 (1005)
R129	1-208-927-81 s	RES, CHIP 47K (1005)
R130	1-208-911-81 s	RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R131	1-208-935-81 s	RES, CHIP 100K (1005)
R132	1-208-919-81 s	RES, CHIP 22K (1005)
R133	1-208-919-81 s	RES, CHIP 22K (1005)
R134	1-208-927-81 s	RES, CHIP 47K (1005)
R135	1-208-951-81 s	RES, CHIP 470K (1005)
R136	1-208-939-81 s	RES, CHIP 150K (1005)
R137	1-220-230-91 s	RES,SQUARE TYPE CHIP 2.2 (3225)
R138	1-220-230-91 s	RES,SQUARE TYPE CHIP 2.2 (3225)
R139	1-218-236-91 s	RES,SQUARE TYPE CHIP 1.0 (3225)
R140	1-208-911-81 s	RES, CHIP 10K (1005)
R141	1-208-867-81 s	RES, CHIP 150 (1005)
R142	1-208-919-81 s	RES, CHIP 22K (1005)
R143	1-208-919-81 s	RES, CHIP 22K (1005)
R144	1-208-891-81 s	RES, CHIP 1.5K (1005)
R145	1-208-915-81 s	RES, CHIP 15K (1005)
R146	1-208-911-81 s	RES, CHIP 10K (1005)
R147	1-220-230-91 s	RES,SQUARE TYPE CHIP 2.2 (3225)
R148	1-208-927-81 s	RES, CHIP 47K (1005)
R152	1-208-923-81 s	RES, CHIP 33K (1005)
R153	1-208-871-81 s	RES, CHIP 220 (1005)
R154	1-208-871-81 s	RES, CHIP 220 (1005)
R155	1-208-907-81 s	RES, CHIP 6.8K (1005)
R158	1-208-911-81 s	RES, CHIP 10K (1005)
R159	1-208-911-81 s	RES, CHIP 10K (1005)
R160	1-208-927-81 s	RES, CHIP 47K (1005)
R161	1-208-927-81 s	RES, CHIP 47K (1005)
R162	1-208-927-81 s	RES, CHIP 47K (1005)
R163	1-208-871-81 s	RES, CHIP 220 (1005)
R164	1-208-871-81 s	RES, CHIP 220 (1005)
R165	1-208-923-81 s	RES, CHIP 33K (1005)
R166	1-208-903-81 s	RES, CHIP 4.7K (1005)
R167	1-208-911-81 s	RES, CHIP 10K (1005)
R168	1-208-927-81 s	RES, CHIP 47K (1005)
R169	1-208-927-81 s	RES, CHIP 47K (1005)
R170	1-208-927-81 s	RES, CHIP 47K (1005)
R171	1-208-951-81 s	RES, CHIP 470K (1005)
R172	1-208-935-81 s	RES, CHIP 100K (1005)
R173	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R174	1-208-911-81 s	RES, CHIP 10K (1005)
R175	1-208-911-81 s	RES, CHIP 10K (1005)
R176	1-208-919-81 s	RES, CHIP 22K (1005)
R177	1-208-863-81 s	RES, CHIP 100 (1005)
R179	1-208-911-81 s	RES, CHIP 10K (1005)
R180	1-208-911-81 s	RES, CHIP 10K (1005)
R181	1-208-919-81 s	RES, CHIP 22K (1005)
R182	1-208-919-81 s	RES, CHIP 22K (1005)
R183	1-243-975-81 s	RES, CHIP 4.7M (1005)
R184	1-208-923-81 s	RES, CHIP 33K (1005)
R185	1-208-863-81 s	RES, CHIP 100 (1005)
R186	1-208-923-81 s	RES, CHIP 33K (1005)
R187	1-208-907-81 s	RES, CHIP 6.8K (1005)
R188	1-208-915-81 s	RES, CHIP 15K (1005)
R189	1-208-959-81 s	RES, CHIP 1M (1005)
R190	1-208-959-81 s	RES, CHIP 1M (1005)
R191	1-208-923-81 s	RES, CHIP 33K (1005)
R192	1-208-903-81 s	RES, CHIP 4.7K (1005)
R193	1-208-915-81 s	RES, CHIP 15K (1005)
R194	1-208-927-81 s	RES, CHIP 47K (1005)
R195	1-208-891-81 s	RES, CHIP 1.5K (1005)
R196	1-208-899-81 s	RES, CHIP 3.3K (1005)
R197	1-208-911-81 s	RES, CHIP 10K (1005)
R199	1-208-919-81 s	RES, CHIP 22K (1005)
R200	1-208-919-81 s	RES, CHIP 22K (1005)
R201	1-208-919-81 s	RES, CHIP 22K (1005)
R202	1-208-943-81 s	RES, CHIP 220K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R204	1-208-951-81 s	RES, CHIP 470K (1005)
R205	1-208-903-81 s	RES, CHIP 4.7K (1005)
R206	1-208-939-81 s	RES, CHIP 150K (1005)
R207	1-220-230-91 s	RES,SQUARE TYPE CHIP 2.2 (3225)
R208	1-218-236-91 s	RES,SQUARE TYPE CHIP 1.0 (3225)
R209	1-208-899-81 s	RES, CHIP 3.3K (1005)
R210	1-208-915-81 s	RES, CHIP 15K (1005)
R211	1-208-911-81 s	RES, CHIP 10K (1005)
R215	1-208-903-81 s	RES, CHIP 4.7K (1005)
R216	1-208-911-81 s	RES, CHIP 10K (1005)
R219	1-208-891-81 s	RES, CHIP 1.5K (1005)
R220	1-208-863-81 s	RES, CHIP 100 (1005)
R222	1-208-863-81 s	RES, CHIP 100 (1005)
R224	1-208-863-81 s	RES, CHIP 100 (1005)
R225	1-208-863-81 s	RES, CHIP 100 (1005)
R228	1-243-975-81 s	RES, CHIP 4.7M (1005)
R233	1-208-919-81 s	RES, CHIP 22K (1005)
R234	1-208-919-81 s	RES, CHIP 22K (1005)
R238	1-208-883-81 s	RES, CHIP 680 (1005)
R241	1-208-935-81 s	RES, CHIP 100K (1005)
R244	1-208-915-81 s	RES, CHIP 15K (1005)
R247	1-208-943-81 s	RES, CHIP 220K (1005)
R250	1-243-975-81 s	RES, CHIP 4.7M (1005)
R253	1-208-919-81 s	RES, CHIP 22K (1005)
R254	1-243-975-81 s	RES, CHIP 4.7M (1005)
R256	1-208-935-81 s	RES, CHIP 100K (1005)
R258	1-208-911-81 s	RES, CHIP 10K (1005)
R259	1-208-943-81 s	RES, CHIP 220K (1005)
R261	1-208-887-81 s	RES, CHIP 1.0K (1005)
R263	1-208-911-81 s	RES, CHIP 10K (1005)
R264	1-208-959-81 s	RES, CHIP 1M (1005)
R265	1-208-959-81 s	RES, CHIP 1M (1005)
R266	1-243-975-81 s	RES, CHIP 4.7M (1005)
R268	1-208-923-81 s	RES, CHIP 33K (1005)
R270	1-220-230-91 s	RES,SQUARE TYPE CHIP 2.2 (3225)
R271	1-208-911-81 s	RES, CHIP 10K (1005)
R272	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R274	1-220-230-91 s	RES,SQUARE TYPE CHIP 2.2 (3225)
R276	1-208-927-81 s	RES, CHIP 47K (1005)
R277	1-208-911-81 s	RES, CHIP 10K (1005)
R278	1-208-871-81 s	RES, CHIP 220 (1005)
R279	1-208-927-81 s	RES, CHIP 47K (1005)
R281	1-208-899-81 s	RES, CHIP 3.3K (1005)
R282	1-208-895-81 s	RES, CHIP 2.2K (1005)
R283	1-208-915-81 s	RES, CHIP 15K (1005)
R284	1-208-915-81 s	RES, CHIP 15K (1005)
R285	1-208-903-81 s	RES, CHIP 4.7K (1005)
R286	1-208-927-81 s	RES, CHIP 47K (1005)
R287	1-220-230-91 s	RES,SQUARE TYPE CHIP 2.2 (3225)
R288	1-208-911-81 s	RES, CHIP 10K (1005)
R289	1-208-903-81 s	RES, CHIP 4.7K (1005)
R290	1-208-927-81 s	RES, CHIP 47K (1005)
R291	1-208-911-81 s	RES, CHIP 10K (1005)
R292	1-208-899-81 s	RES, CHIP 3.3K (1005)
R300	1-211-969-91 s	RES, CHIP 10 (1608)
R301	1-211-969-91 s	RES, CHIP 10 (1608)
R302	1-208-919-81 s	RES, CHIP 22K (1005)
R303	1-208-863-81 s	RES, CHIP 100 (1005)
R304	1-220-878-81 s	RES, CHIP 22 (1005)
R307	1-208-895-81 s	RES, CHIP 2.2K (1005)
R308	1-208-911-81 s	RES, CHIP 10K (1005)
R309	1-208-927-81 s	RES, CHIP 47K (1005)
R310	1-208-887-81 s	RES, CHIP 1.0K (1005)
R311	1-208-887-81 s	RES, CHIP 1.0K (1005)
R312	1-220-878-81 s	RES, CHIP 22 (1005)

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R313	1-220-878-81 s	RES, CHIP 22 (1005)
R314	1-208-927-81 s	RES, CHIP 47K (1005)
R315	1-208-855-81 s	RES, CHIP 47 (1005)
R316	1-208-855-81 s	RES, CHIP 47 (1005)
R317	1-208-863-81 s	RES, CHIP 100 (1005)
R318	1-208-927-81 s	RES, CHIP 47K (1005)
R319	1-208-863-81 s	RES, CHIP 100 (1005)
R320	1-208-863-81 s	RES, CHIP 100 (1005)
R321	1-220-878-81 s	RES, CHIP 22 (1005)
R322	1-220-878-81 s	RES, CHIP 22 (1005)
R325	1-220-878-81 s	RES, CHIP 22 (1005)
R326	1-220-878-81 s	RES, CHIP 22 (1005)
R329	1-208-927-81 s	RES, CHIP 47K (1005)
R330	1-208-863-81 s	RES, CHIP 100 (1005)
R331	1-208-863-81 s	RES, CHIP 100 (1005)
R332	1-208-863-81 s	RES, CHIP 100 (1005)
R333	1-208-863-81 s	RES, CHIP 100 (1005)
R334	1-208-863-81 s	RES, CHIP 100 (1005)
R335	1-208-863-81 s	RES, CHIP 100 (1005)
R336	1-220-870-81 s	RES, CHIP 10 (1005)
R337	1-208-863-81 s	RES, CHIP 100 (1005)
R338	1-208-863-81 s	RES, CHIP 100 (1005)
R339	1-208-895-81 s	RES, CHIP 2.2K (1005)
R340	1-220-878-81 s	RES, CHIP 22 (1005)
R341	1-220-870-81 s	RES, CHIP 10 (1005)
R342	1-220-870-81 s	RES, CHIP 10 (1005)
R343	1-208-911-81 s	RES, CHIP 10K (1005)
R344	1-208-911-81 s	RES, CHIP 10K (1005)
R345	1-208-911-81 s	RES, CHIP 10K (1005)
R346	1-220-870-81 s	RES, CHIP 10 (1005)
R347	1-220-870-81 s	RES, CHIP 10 (1005)
R348	1-220-870-81 s	RES, CHIP 10 (1005)
R349	1-220-870-81 s	RES, CHIP 10 (1005)
R350	1-220-870-81 s	RES, CHIP 10 (1005)
R355	1-220-878-81 s	RES, CHIP 22 (1005)
R357	1-208-863-81 s	RES, CHIP 100 (1005)
R358	1-220-878-81 s	RES, CHIP 22 (1005)
R359	1-208-887-81 s	RES, CHIP 1.0K (1005)
R360	1-208-919-81 s	RES, CHIP 22K (1005)
R406	1-208-871-81 s	RES, CHIP 220 (1005)
R410	1-208-911-81 s	RES, CHIP 10K (1005)
R411	1-208-911-81 s	RES, CHIP 10K (1005)
R412	1-220-878-81 s	RES, CHIP 22 (1005)
R413	1-220-878-81 s	RES, CHIP 22 (1005)
R414	1-220-878-81 s	RES, CHIP 22 (1005)
R415	1-220-878-81 s	RES, CHIP 22 (1005)
R416	1-220-878-81 s	RES, CHIP 22 (1005)
R417	1-220-878-81 s	RES, CHIP 22 (1005)
R418	1-220-878-81 s	RES, CHIP 22 (1005)
R419	1-220-878-81 s	RES, CHIP 22 (1005)
R420	1-208-887-81 s	RES, CHIP 1.0K (1005)
R421	1-208-863-81 s	RES, CHIP 100 (1005)
R422	1-220-878-81 s	RES, CHIP 22 (1005)
R423	1-208-863-81 s	RES, CHIP 100 (1005)
R428	1-220-878-81 s	RES, CHIP 22 (1005)
R429	1-220-878-81 s	RES, CHIP 22 (1005)
R430	1-220-878-81 s	RES, CHIP 22 (1005)
R431	1-220-878-81 s	RES, CHIP 22 (1005)
R432	1-208-911-81 s	RES, CHIP 10K (1005)
R433	1-208-887-81 s	RES, CHIP 1.0K (1005)
R434	1-208-860-81 s	RES, CHIP 75 (1005)
R435	1-208-860-81 s	RES, CHIP 75 (1005)
R436	1-208-860-81 s	RES, CHIP 75 (1005)
R437	1-208-860-81 s	RES, CHIP 75 (1005)
R438	1-208-860-81 s	RES, CHIP 75 (1005)

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R439	1-208-860-81 s	RES, CHIP 75 (1005)
R440	1-208-860-81 s	RES, CHIP 75 (1005)
R441	1-208-860-81 s	RES, CHIP 75 (1005)
R442	1-208-860-81 s	RES, CHIP 75 (1005)
R443	1-208-860-81 s	RES, CHIP 75 (1005)
R444	1-208-860-81 s	RES, CHIP 75 (1005)
R445	1-208-860-81 s	RES, CHIP 75 (1005)
R446	1-208-860-81 s	RES, CHIP 75 (1005)
R447	1-208-860-81 s	RES, CHIP 75 (1005)
R448	1-208-860-81 s	RES, CHIP 75 (1005)
R449	1-208-860-81 s	RES, CHIP 75 (1005)
R450	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R452	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R454	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R456	1-208-887-81 s	RES, CHIP 1.0K (1005)
R457	1-208-935-81 s	RES, CHIP 100K (1005)
R458	1-208-863-81 s	RES, CHIP 100 (1005)
R459	1-208-871-81 s	RES, CHIP 220 (1005)
R460	1-208-871-81 s	RES, CHIP 220 (1005)
R461	1-208-863-81 s	RES, CHIP 100 (1005)
R462	1-208-863-81 s	RES, CHIP 100 (1005)
R463	1-208-863-81 s	RES, CHIP 100 (1005)
R464	1-220-878-81 s	RES, CHIP 22 (1005)
R465	1-208-863-81 s	RES, CHIP 100 (1005)
R466	1-220-878-81 s	RES, CHIP 22 (1005)
R467	1-208-863-81 s	RES, CHIP 100 (1005)
R468	1-208-863-81 s	RES, CHIP 100 (1005)
R469	1-220-878-81 s	RES, CHIP 22 (1005)
R470	1-208-855-81 s	RES, CHIP 47 (1005)
R471	1-220-878-81 s	RES, CHIP 22 (1005)
R472	1-220-878-81 s	RES, CHIP 22 (1005)
R474	1-208-903-81 s	RES, CHIP 4.7K (1005)
R475	1-208-855-81 s	RES, CHIP 47 (1005)
R476	1-208-863-81 s	RES, CHIP 100 (1005)
R477	1-208-903-81 s	RES, CHIP 4.7K (1005)
R478	1-208-903-81 s	RES, CHIP 4.7K (1005)
R479	1-208-903-81 s	RES, CHIP 4.7K (1005)
R480	1-208-903-81 s	RES, CHIP 4.7K (1005)
R481	1-208-855-81 s	RES, CHIP 47 (1005)
R482	1-208-855-81 s	RES, CHIP 47 (1005)
R483	1-208-887-81 s	RES, CHIP 1.0K (1005)
R484	1-208-887-81 s	RES, CHIP 1.0K (1005)
R485	1-208-887-81 s	RES, CHIP 1.0K (1005)
R486	1-208-855-81 s	RES, CHIP 47 (1005)
R487	1-208-911-81 s	RES, CHIP 10K (1005)
R488	1-208-863-81 s	RES, CHIP 100 (1005)
R489	1-208-863-81 s	RES, CHIP 100 (1005)
R490	1-208-903-81 s	RES, CHIP 4.7K (1005)
R491	1-208-855-81 s	RES, CHIP 47 (1005)
R492	1-208-855-81 s	RES, CHIP 47 (1005)
R493	1-220-878-81 s	RES, CHIP 22 (1005)
R494	1-208-903-81 s	RES, CHIP 4.7K (1005)
R495	1-208-895-81 s	RES, CHIP 2.2K (1005)
R496	1-208-903-81 s	RES, CHIP 4.7K (1005)
R497	1-208-903-81 s	RES, CHIP 4.7K (1005)
R498	1-208-903-81 s	RES, CHIP 4.7K (1005)
R499	1-208-903-81 s	RES, CHIP 4.7K (1005)
R509	1-208-863-81 s	RES, CHIP 100 (1005)
R510	1-208-863-81 s	RES, CHIP 100 (1005)
R511	1-208-863-81 s	RES, CHIP 100 (1005)
R512	1-220-149-91 s	RES,SQUARE TYPE CHIP 2.2(4532)
R513	1-208-919-81 s	RES, CHIP 22K (1005)
R514	1-208-919-81 s	RES, CHIP 22K (1005)
R515	1-208-911-81 s	RES, CHIP 10K (1005)
R516	1-208-887-81 s	RES, CHIP 1.0K (1005)

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R517	1-208-939-81 s	RES, CHIP 150K (1005)
R518	1-208-939-81 s	RES, CHIP 150K (1005)
R519	1-220-149-91 s	RES,SQUARE TYPE CHIP 2.2(4532)
R520	1-208-919-81 s	RES, CHIP 22K (1005)
R521	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R522	1-208-911-81 s	RES, CHIP 10K (1005)
R523	1-208-895-81 s	RES, CHIP 2.2K (1005)
R524	1-208-919-81 s	RES, CHIP 22K (1005)
R525	1-208-951-81 s	RES, CHIP 470K (1005)
R526	1-208-911-81 s	RES, CHIP 10K (1005)
R527	1-208-903-81 s	RES, CHIP 4.7K (1005)
R528	1-208-903-81 s	RES, CHIP 4.7K (1005)
R529	1-208-903-81 s	RES, CHIP 4.7K (1005)
R530	1-220-878-81 s	RES, CHIP 22 (1005)
R531	1-208-935-81 s	RES, CHIP 100K (1005)
R532	1-208-863-81 s	RES, CHIP 100 (1005)
R533	1-208-855-81 s	RES, CHIP 47 (1005)
R534	1-208-895-81 s	RES, CHIP 2.2K (1005)
R536	1-208-863-81 s	RES, CHIP 100 (1005)
R537	1-208-911-81 s	RES, CHIP 10K (1005)
R538	1-208-855-81 s	RES, CHIP 47 (1005)
R539	1-208-855-81 s	RES, CHIP 47 (1005)
R540	1-208-863-81 s	RES, CHIP 100 (1005)
R541	1-208-863-81 s	RES, CHIP 100 (1005)
R542	1-208-863-81 s	RES, CHIP 100 (1005)
R543	1-208-855-81 s	RES, CHIP 47 (1005)
R544	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R545	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R546	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R547	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R548	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R549	1-208-899-81 s	RES, CHIP 3.3K (1005)
R550	1-208-887-81 s	RES, CHIP 1.0K (1005)
R551	1-208-899-81 s	RES, CHIP 3.3K (1005)
R552	1-208-911-81 s	RES, CHIP 10K (1005)
R611	1-208-855-81 s	RES, CHIP 47 (1005)
R612	1-208-855-81 s	RES, CHIP 47 (1005)
R613	1-208-855-81 s	RES, CHIP 47 (1005)
R614	1-208-855-81 s	RES, CHIP 47 (1005)
R615	1-208-855-81 s	RES, CHIP 47 (1005)
R621	1-208-935-81 s	RES, CHIP 100K (1005)
R623	1-208-935-81 s	RES, CHIP 100K (1005)
R624	1-208-855-81 s	RES, CHIP 47 (1005)
R625	1-208-935-81 s	RES, CHIP 100K (1005)
R627	1-208-855-81 s	RES, CHIP 47 (1005)
R630	1-208-903-81 s	RES, CHIP 4.7K (1005)
R641	1-208-855-81 s	RES, CHIP 47 (1005)
R642	1-208-863-81 s	RES, CHIP 100 (1005)
R643	1-208-855-81 s	RES, CHIP 47 (1005)
R644	1-208-855-81 s	RES, CHIP 47 (1005)
R645	1-208-855-81 s	RES, CHIP 47 (1005)
R646	1-208-855-81 s	RES, CHIP 47 (1005)
R647	1-208-855-81 s	RES, CHIP 47 (1005)
R648	1-208-863-81 s	RES, CHIP 100 (1005)
R649	1-208-863-81 s	RES, CHIP 100 (1005)
R650	1-208-863-81 s	RES, CHIP 100 (1005)
R651	1-208-863-81 s	RES, CHIP 100 (1005)
R652	1-208-863-81 s	RES, CHIP 100 (1005)
R653	1-208-863-81 s	RES, CHIP 100 (1005)
R654	1-208-911-81 s	RES, CHIP 10K (1005)
R656	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R657	1-208-903-81 s	RES, CHIP 4.7K (1005)
R658	1-208-903-81 s	RES, CHIP 4.7K (1005)
R659	1-208-855-81 s	RES, CHIP 47 (1005)
R660	1-208-871-81 s	RES, CHIP 220 (1005)

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R661	1-208-871-81 s	RES, CHIP 220 (1005)
R662	1-208-871-81 s	RES, CHIP 220 (1005)
R663	1-208-871-81 s	RES, CHIP 220 (1005)
R664	1-208-863-81 s	RES, CHIP 100 (1005)
R665	1-208-871-81 s	RES, CHIP 220 (1005)
R666	1-208-911-81 s	RES, CHIP 10K (1005)
R667	1-208-911-81 s	RES, CHIP 10K (1005)
R668	1-208-911-81 s	RES, CHIP 10K (1005)
R669	1-208-871-81 s	RES, CHIP 220 (1005)
R670	1-208-903-81 s	RES, CHIP 4.7K (1005)
R671	1-208-903-81 s	RES, CHIP 4.7K (1005)
R672	1-208-903-81 s	RES, CHIP 4.7K (1005)
R673	1-208-903-81 s	RES, CHIP 4.7K (1005)
R675	1-208-911-81 s	RES, CHIP 10K (1005)
R676	1-208-895-81 s	RES, CHIP 2.2K (1005)
R677	1-208-863-81 s	RES, CHIP 100 (1005)
R678	1-208-855-81 s	RES, CHIP 47 (1005)
R679	1-208-855-81 s	RES, CHIP 47 (1005)
R700	1-208-911-81 s	RES, CHIP 10K (1005)
R701	1-208-911-81 s	RES, CHIP 10K (1005)
R702	1-208-855-81 s	RES, CHIP 47 (1005)
R704	1-208-927-81 s	RES, CHIP 47K (1005)
R705	1-208-927-81 s	RES, CHIP 47K (1005)
R708	1-208-863-81 s	RES, CHIP 100 (1005)
R709	1-208-863-81 s	RES, CHIP 100 (1005)
R710	1-208-863-81 s	RES, CHIP 100 (1005)
R712	1-208-863-81 s	RES, CHIP 100 (1005)
R713	1-208-895-81 s	RES, CHIP 2.2K (1005)
R714	1-208-863-81 s	RES, CHIP 100 (1005)
R715	1-208-863-81 s	RES, CHIP 100 (1005)
R716	1-208-863-81 s	RES, CHIP 100 (1005)
R717	1-208-863-81 s	RES, CHIP 100 (1005)
R719	1-208-863-81 s	RES, CHIP 100 (1005)
R720	1-208-863-81 s	RES, CHIP 100 (1005)
R724	1-220-882-81 s	RES, CHIP 33 (1005)
R725	1-220-882-81 s	RES, CHIP 33 (1005)
R727	1-220-870-81 s	RES, CHIP 10 (1005)
R728	1-220-870-81 s	RES, CHIP 10 (1005)
R729	1-208-863-81 s	RES, CHIP 100 (1005)
R730	1-208-863-81 s	RES, CHIP 100 (1005)
R731	1-208-863-81 s	RES, CHIP 100 (1005)
R732	1-208-863-81 s	RES, CHIP 100 (1005)
R733	1-208-863-81 s	RES, CHIP 100 (1005)
R734	1-208-863-81 s	RES, CHIP 100 (1005)
R735	1-208-855-81 s	RES, CHIP 47 (1005)
R736	1-208-855-81 s	RES, CHIP 47 (1005)
R737	1-208-855-81 s	RES, CHIP 47 (1005)
R738	1-208-863-81 s	RES, CHIP 100 (1005)
R740	1-208-855-81 s	RES, CHIP 47 (1005)
R741	1-208-855-81 s	RES, CHIP 47 (1005)
R742	1-208-863-81 s	RES, CHIP 100 (1005)
R743	1-208-855-81 s	RES, CHIP 47 (1005)
R744	1-208-855-81 s	RES, CHIP 47 (1005)
R745	1-208-855-81 s	RES, CHIP 47 (1005)
R746	1-208-863-81 s	RES, CHIP 100 (1005)
R748	1-208-855-81 s	RES, CHIP 47 (1005)
R749	1-208-895-81 s	RES, CHIP 2.2K (1005)
R750	1-208-863-81 s	RES, CHIP 100 (1005)
R801	1-208-911-81 s	RES, CHIP 10K (1005)
R802	1-208-895-81 s	RES, CHIP 2.2K (1005)
R804	1-220-870-81 s	RES, CHIP 10 (1005)
R805	1-220-870-81 s	RES, CHIP 10 (1005)
R806	1-220-870-81 s	RES, CHIP 10 (1005)
R807	1-220-870-81 s	RES, CHIP 10 (1005)
R809	1-208-915-81 s	RES, CHIP 15K (1005)

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R810	1-208-907-81 s	RES, CHIP 6.8K (1005)
R811	1-208-879-81 s	RES, CHIP 470 (1005)
R812	1-208-911-81 s	RES, CHIP 10K (1005)
R813	1-220-870-81 s	RES, CHIP 10 (1005)
R814	1-208-871-81 s	RES, CHIP 220 (1005)
R815	1-208-911-81 s	RES, CHIP 10K (1005)
R819	1-208-887-81 s	RES, CHIP 1.0K (1005)
R820	1-208-887-81 s	RES, CHIP 1.0K (1005)
R821	1-208-887-81 s	RES, CHIP 1.0K (1005)
R822	1-218-937-81 s	RES, CHIP 47
R823	1-208-887-81 s	RES, CHIP 1.0K (1005)
R824	1-208-883-81 s	RES, CHIP 680 (1005)
R825	1-208-887-81 s	RES, CHIP 1.0K (1005)
R826	1-208-887-81 s	RES, CHIP 1.0K (1005)
R827	1-208-927-81 s	RES, CHIP 47K (1005)
R828	1-208-887-81 s	RES, CHIP 1.0K (1005)
R829	1-208-887-81 s	RES, CHIP 1.0K (1005)
R830	1-208-887-81 s	RES, CHIP 1.0K (1005)
R831	1-208-927-81 s	RES, CHIP 47K (1005)
R832	1-208-927-81 s	RES, CHIP 47K (1005)
R833	1-208-927-81 s	RES, CHIP 47K (1005)
R834	1-208-927-81 s	RES, CHIP 47K (1005)
R835	1-208-927-81 s	RES, CHIP 47K (1005)
R836	1-208-867-81 s	RES, CHIP 150 (1005)
R837	1-208-867-81 s	RES, CHIP 150 (1005)
R838	1-208-867-81 s	RES, CHIP 150 (1005)
R839	1-208-887-81 s	RES, CHIP 1.0K (1005)
R840	1-208-887-81 s	RES, CHIP 1.0K (1005)
R841	1-208-867-81 s	RES, CHIP 150 (1005)
R843	1-208-919-81 s	RES, CHIP 22K (1005)
R844	1-208-887-81 s	RES, CHIP 1.0K (1005)
R845	1-208-887-81 s	RES, CHIP 1.0K (1005)
R846	1-208-859-81 s	RES, CHIP 68 (1005)
R847	1-208-859-81 s	RES, CHIP 68 (1005)
R848	1-208-895-81 s	RES, CHIP 2.2K (1005)
R852	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R853	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R857	1-208-915-81 s	RES, CHIP 15K (1005)
R858	1-208-907-81 s	RES, CHIP 6.8K (1005)
R859	1-208-879-81 s	RES, CHIP 470 (1005)
R860	1-208-911-81 s	RES, CHIP 10K (1005)
R861	1-220-870-81 s	RES, CHIP 10 (1005)
R862	1-208-871-81 s	RES, CHIP 220 (1005)
R863	1-208-911-81 s	RES, CHIP 10K (1005)
R866	1-208-919-81 s	RES, CHIP 22K (1005)
R867	1-208-887-81 s	RES, CHIP 1.0K (1005)
R868	1-208-887-81 s	RES, CHIP 1.0K (1005)
R869	1-208-887-81 s	RES, CHIP 1.0K (1005)
R870	1-218-937-81 s	RES, CHIP 47
R871	1-208-887-81 s	RES, CHIP 1.0K (1005)
R872	1-208-883-81 s	RES, CHIP 680 (1005)
R873	1-208-887-81 s	RES, CHIP 1.0K (1005)
R874	1-208-887-81 s	RES, CHIP 1.0K (1005)
R875	1-208-927-81 s	RES, CHIP 47K (1005)
R876	1-208-887-81 s	RES, CHIP 1.0K (1005)
R877	1-208-887-81 s	RES, CHIP 1.0K (1005)
R878	1-208-887-81 s	RES, CHIP 1.0K (1005)
R879	1-208-927-81 s	RES, CHIP 47K (1005)
R880	1-208-927-81 s	RES, CHIP 47K (1005)
R881	1-208-927-81 s	RES, CHIP 47K (1005)
R882	1-208-927-81 s	RES, CHIP 47K (1005)
R883	1-208-927-81 s	RES, CHIP 47K (1005)
R884	1-208-867-81 s	RES, CHIP 150 (1005)
R885	1-208-867-81 s	RES, CHIP 150 (1005)
R886	1-208-867-81 s	RES, CHIP 150 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R887	1-208-887-81 s	RES, CHIP 1.0K (1005)
R888	1-208-887-81 s	RES, CHIP 1.0K (1005)
R889	1-208-867-81 s	RES, CHIP 150 (1005)
R890	1-208-855-81 s	RES, CHIP 47 (1005)
R891	1-208-855-81 s	RES, CHIP 47 (1005)
R892	1-208-887-81 s	RES, CHIP 1.0K (1005)
R893	1-208-887-81 s	RES, CHIP 1.0K (1005)
R894	1-208-859-81 s	RES, CHIP 68 (1005)
R895	1-208-859-81 s	RES, CHIP 68 (1005)
R896	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R897	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R900	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R901	1-208-911-81 s	RES, CHIP 10K (1005)
R902	1-220-878-81 s	RES, CHIP 22 (1005)
R903	1-208-863-81 s	RES, CHIP 100 (1005)
R904	1-208-855-81 s	RES, CHIP 47 (1005)
R911	1-208-855-81 s	RES, CHIP 47 (1005)
R912	1-208-855-81 s	RES, CHIP 47 (1005)
R913	1-208-855-81 s	RES, CHIP 47 (1005)
R914	1-208-855-81 s	RES, CHIP 47 (1005)
R915	1-208-855-81 s	RES, CHIP 47 (1005)
R916	1-208-855-81 s	RES, CHIP 47 (1005)
R929	1-208-911-81 s	RES, CHIP 10K (1005)
R930	1-208-855-81 s	RES, CHIP 47 (1005)
R931	1-208-863-81 s	RES, CHIP 100 (1005)
R932	1-208-855-81 s	RES, CHIP 47 (1005)
R933	1-208-855-81 s	RES, CHIP 47 (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	1-208-911-81 s	RES, CHIP 10K (1005)
R938	1-208-911-81 s	RES, CHIP 10K (1005)
R939	1-208-879-81 s	RES, CHIP 470 (1005)
R940	1-208-879-81 s	RES, CHIP 470 (1005)
R941	1-208-879-81 s	RES, CHIP 470 (1005)
R942	1-208-879-81 s	RES, CHIP 470 (1005)
R943	1-208-855-81 s	RES, CHIP 47 (1005)
R944	1-208-903-81 s	RES, CHIP 4.7K (1005)
R945	1-208-903-81 s	RES, CHIP 4.7K (1005)
R946	1-208-903-81 s	RES, CHIP 4.7K (1005)
R947	1-208-903-81 s	RES, CHIP 4.7K (1005)
R948	1-208-871-81 s	RES, CHIP 220 (1005)
R949	1-208-895-81 s	RES, CHIP 2.2K (1005)
R950	1-208-895-81 s	RES, CHIP 2.2K (1005)
R951	1-208-895-81 s	RES, CHIP 2.2K (1005)
R952	1-220-878-81 s	RES, CHIP 22 (1005)
R953	1-208-911-81 s	RES, CHIP 10K (1005)
R954	1-220-878-81 s	RES, CHIP 22 (1005)
R955	1-220-878-81 s	RES, CHIP 22 (1005)
R956	1-220-878-81 s	RES, CHIP 22 (1005)
R957	1-208-855-81 s	RES, CHIP 47 (1005)
R958	1-208-855-81 s	RES, CHIP 47 (1005)
R959	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1000	1-208-911-81 s	RES, CHIP 10K (1005)
R1001	1-208-871-81 s	RES, CHIP 220 (1005)
R1002	1-220-878-81 s	RES, CHIP 22 (1005)
R1003	1-208-871-81 s	RES, CHIP 220 (1005)
R1004	1-208-871-81 s	RES, CHIP 220 (1005)
R1005	1-208-871-81 s	RES, CHIP 220 (1005)
R1006	1-208-871-81 s	RES, CHIP 220 (1005)
R1007	1-208-871-81 s	RES, CHIP 220 (1005)
R1008	1-208-871-81 s	RES, CHIP 220 (1005)
R1009	1-208-875-81 s	RES, CHIP 330 (1005)
R1010	1-208-871-81 s	RES, CHIP 220 (1005)
R1011	1-208-867-81 s	RES, CHIP 150 (1005)

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R1012	1-208-871-81 s	RES, CHIP 220 (1005)
R1013	1-208-871-81 s	RES, CHIP 220 (1005)
R1014	1-208-871-81 s	RES, CHIP 220 (1005)
R1015	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1016	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1017	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1018	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1020	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1021	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1022	1-208-875-81 s	RES, CHIP 330 (1005)
R1023	1-208-875-81 s	RES, CHIP 330 (1005)
R1024	1-208-927-81 s	RES, CHIP 47K (1005)
R1025	1-208-871-81 s	RES, CHIP 220 (1005)
R1026	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1027	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1028	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1029	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1030	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1031	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1032	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1033	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1034	1-208-855-81 s	RES, CHIP 47 (1005)
R1035	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1036	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1037	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1038	1-208-911-81 s	RES, CHIP 10K (1005)
R1039	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1040	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1041	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1042	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1043	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1044	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1100	1-208-855-81 s	RES, CHIP 47 (1005)
R1102	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1103	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1104	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1105	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1106	1-208-911-81 s	RES, CHIP 10K (1005)
R1107	1-208-879-81 s	RES, CHIP 470 (1005)
R1108	1-208-911-81 s	RES, CHIP 10K (1005)
R1109	1-220-870-81 s	RES, CHIP 10 (1005)
R1110	1-208-871-81 s	RES, CHIP 220 (1005)
R1111	1-208-911-81 s	RES, CHIP 10K (1005)
R1112	1-208-911-81 s	RES, CHIP 10K (1005)
R1113	1-208-911-81 s	RES, CHIP 10K (1005)
R1114	1-208-911-81 s	RES, CHIP 10K (1005)
R1115	1-208-879-81 s	RES, CHIP 470 (1005)
R1116	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1117	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1118	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1119	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1120	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1122	1-208-935-81 s	RES, CHIP 100K (1005)
R1123	1-208-863-81 s	RES, CHIP 100 (1005)
R1126	1-208-863-81 s	RES, CHIP 100 (1005)
R1127	1-208-855-81 s	RES, CHIP 47 (1005)
R1128	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1129	1-208-871-81 s	RES, CHIP 220 (1005)
R1130	1-208-871-81 s	RES, CHIP 220 (1005)
R1131	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1132	1-208-871-81 s	RES, CHIP 220 (1005)
R1133	1-208-871-81 s	RES, CHIP 220 (1005)
R1134	1-208-875-81 s	RES, CHIP 330 (1005)
R1135	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1136	1-208-871-81 s	RES, CHIP 220 (1005)

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R1137	1-208-863-81 s	RES, CHIP 100 (1005)
R1139	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1140	1-208-911-81 s	RES, CHIP 10K (1005)
R1142	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1143	1-208-871-81 s	RES, CHIP 220 (1005)
R1146	1-208-911-81 s	RES, CHIP 10K (1005)
R1148	1-208-871-81 s	RES, CHIP 220 (1005)
R1149	1-208-855-81 s	RES, CHIP 47 (1005)
R1150	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1151	1-208-927-81 s	RES, CHIP 47K (1005)
R1152	1-208-863-81 s	RES, CHIP 100 (1005)
R1153	1-208-911-81 s	RES, CHIP 10K (1005)
R1154	1-208-875-81 s	RES, CHIP 330 (1005)
R1157	1-208-927-81 s	RES, CHIP 47K (1005)
R1158	1-208-955-81 s	RES, CHIP 680K (1005)
R1159	1-208-927-81 s	RES, CHIP 47K (1005)
R1160	1-208-955-81 s	RES, CHIP 680K (1005)
R1161	1-208-863-81 s	RES, CHIP 100 (1005)
R1162	1-208-863-81 s	RES, CHIP 100 (1005)
R1163	1-208-867-81 s	RES, CHIP 150 (1005)
R1164	1-208-867-81 s	RES, CHIP 150 (1005)
R1165	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1166	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1167	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1168	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1169	1-208-915-81 s	RES, CHIP 15K (1005)
R1170	1-208-915-81 s	RES, CHIP 15K (1005)
R1171	1-208-879-81 s	RES, CHIP 470 (1005)
R1172	1-208-879-81 s	RES, CHIP 470 (1005)
R1173	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1174	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1175	1-208-863-81 s	RES, CHIP 100 (1005)
R1176	1-208-863-81 s	RES, CHIP 100 (1005)
R1177	1-208-863-81 s	RES, CHIP 100 (1005)
R1178	1-208-863-81 s	RES, CHIP 100 (1005)
R1180	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1181	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1182	1-208-883-81 s	RES, CHIP 680 (1005)
R1183	1-208-863-81 s	RES, CHIP 100 (1005)
R1185	1-208-863-81 s	RES, CHIP 100 (1005)
R1186	1-208-863-81 s	RES, CHIP 100 (1005)
R1187	1-208-863-81 s	RES, CHIP 100 (1005)
R1191	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1192	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1193	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1195	1-208-871-81 s	RES, CHIP 220 (1005)
R1196	1-208-871-81 s	RES, CHIP 220 (1005)
R1197	1-208-855-81 s	RES, CHIP 47 (1005)
R1198	1-208-911-81 s	RES, CHIP 10K (1005)
R1199	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1200	1-208-907-81 s	RES, CHIP 6.8K (1005)
R1201	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1202	1-208-879-81 s	RES, CHIP 470 (1005)
R1203	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1204	1-208-879-81 s	RES, CHIP 470 (1005)
R1205	1-208-859-81 s	RES, CHIP 68 (1005)
R1206	1-208-859-81 s	RES, CHIP 68 (1005)
R1207	1-208-859-81 s	RES, CHIP 68 (1005)
R1208	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1209	1-208-859-81 s	RES, CHIP 68 (1005)
R1210	1-208-863-81 s	RES, CHIP 100 (1005)
R1211	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1212	1-208-863-81 s	RES, CHIP 100 (1005)
R1213	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1214	1-208-863-81 s	RES, CHIP 100 (1005)

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R1215	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1216	1-208-863-81 s	RES, CHIP 100 (1005)
R1217	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1218	1-208-919-81 s	RES, CHIP 22K (1005)
R1219	1-208-907-81 s	RES, CHIP 6.8K (1005)
R1220	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1221	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1223	1-208-875-81 s	RES, CHIP 330 (1005)
R1224	1-208-875-81 s	RES, CHIP 330 (1005)
R1225	1-208-875-81 s	RES, CHIP 330 (1005)
R1226	1-208-875-81 s	RES, CHIP 330 (1005)
R1227	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1228	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1229	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1230	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1231	1-208-867-81 s	RES, CHIP 150 (1005)
R1232	1-208-867-81 s	RES, CHIP 150 (1005)
R1233	1-208-867-81 s	RES, CHIP 150 (1005)
R1234	1-208-867-81 s	RES, CHIP 150 (1005)
R1235	1-208-883-81 s	RES, CHIP 680 (1005)
R1236	1-208-883-81 s	RES, CHIP 680 (1005)
R1237	1-208-883-81 s	RES, CHIP 680 (1005)
R1238	1-208-883-81 s	RES, CHIP 680 (1005)
R1239	1-220-874-81 s	RES, CHIP 15 (1005)
R1240	1-220-874-81 s	RES, CHIP 15 (1005)
R1241	1-208-867-81 s	RES, CHIP 150 (1005)
R1242	1-208-867-81 s	RES, CHIP 150 (1005)
R1243	1-220-874-81 s	RES, CHIP 15 (1005)
R1244	1-220-874-81 s	RES, CHIP 15 (1005)
R1245	1-220-874-81 s	RES, CHIP 15 (1005)
R1246	1-220-874-81 s	RES, CHIP 15 (1005)
R1247	1-208-867-81 s	RES, CHIP 150 (1005)
R1248	1-208-867-81 s	RES, CHIP 150 (1005)
R1249	1-208-867-81 s	RES, CHIP 150 (1005)
R1250	1-208-867-81 s	RES, CHIP 150 (1005)
R1251	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1252	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1253	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1254	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1255	1-208-871-81 s	RES, CHIP 220 (1005)
R1256	1-208-863-81 s	RES, CHIP 100 (1005)
R1257	1-220-878-81 s	RES, CHIP 22 (1005)
R1258	1-220-878-81 s	RES, CHIP 22 (1005)
R1259	1-220-878-81 s	RES, CHIP 22 (1005)
R1260	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1261	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1262	1-208-867-81 s	RES, CHIP 150 (1005)
R1263	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1264	1-208-867-81 s	RES, CHIP 150 (1005)
R1265	1-208-867-81 s	RES, CHIP 150 (1005)
R1266	1-208-867-81 s	RES, CHIP 150 (1005)
R1267	1-208-871-81 s	RES, CHIP 220 (1005)
R1268	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1269	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1270	1-220-878-81 s	RES, CHIP 22 (1005)
R1271	1-208-911-81 s	RES, CHIP 10K (1005)
R1272	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1273	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1274	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1275	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1276	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1277	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1278	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1284	1-208-907-81 s	RES, CHIP 6.8K (1005)
R1285	1-218-990-81 s	CONDUCTOR, CHIP (1005)

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R1286	1-208-935-81 s	RES, CHIP 100K (1005)
R1287	1-208-907-81 s	RES, CHIP 6.8K (1005)
R1288	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1289	1-208-935-81 s	RES, CHIP 100K (1005)
R1298	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1299	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1301	1-208-863-81 s	RES, CHIP 100 (1005)
R1302	1-208-863-81 s	RES, CHIP 100 (1005)
R1303	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1304	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1309	1-208-863-81 s	RES, CHIP 100 (1005)
R1310	1-208-863-81 s	RES, CHIP 100 (1005)
R1311	1-208-863-81 s	RES, CHIP 100 (1005)
R1312	1-208-935-81 s	RES, CHIP 100K (1005)
R1313	1-208-863-81 s	RES, CHIP 100 (1005)
R1314	1-208-855-81 s	RES, CHIP 47 (1005)
R1315	1-208-875-81 s	RES, CHIP 330 (1005)
R1316	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1317	1-208-855-81 s	RES, CHIP 47 (1005)
R1320	1-208-935-81 s	RES, CHIP 100K (1005)
R1328	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1329	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1330	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1335	1-208-863-81 s	RES, CHIP 100 (1005)
R1336	1-208-863-81 s	RES, CHIP 100 (1005)
R1337	1-208-911-81 s	RES, CHIP 10K (1005)
R1338	1-208-911-81 s	RES, CHIP 10K (1005)
R1341	1-208-875-81 s	RES, CHIP 330 (1005)
R1343	1-208-875-81 s	RES, CHIP 330 (1005)
R1344	1-208-875-81 s	RES, CHIP 330 (1005)
R1346	1-208-939-81 s	RES, CHIP 150K (1005)
R1347	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1348	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1349	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1350	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1351	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1352	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1353	1-208-919-81 s	RES, CHIP 22K (1005)
R1354	1-208-871-81 s	RES, CHIP 220 (1005)
R1356	1-208-911-81 s	RES, CHIP 10K (1005)
R1357	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1358	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1359	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1360	1-208-931-81 s	RES, CHIP 68K (1005)
R1361	1-208-863-81 s	RES, CHIP 100 (1005)
R1362	1-208-867-81 s	RES, CHIP 150 (1005)
R1363	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1364	1-208-915-81 s	RES, CHIP 15K (1005)
R1365	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1366	1-208-935-81 s	RES, CHIP 100K (1005)
R1367	1-208-951-81 s	RES, CHIP 470K (1005)
R1368	1-208-863-81 s	RES, CHIP 100 (1005)
R1369	1-208-863-81 s	RES, CHIP 100 (1005)
R1370	1-208-915-81 s	RES, CHIP 15K (1005)
R1371	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1372	1-208-935-81 s	RES, CHIP 100K (1005)
R1373	1-208-951-81 s	RES, CHIP 470K (1005)
R1375	1-208-863-81 s	RES, CHIP 100 (1005)
R1376	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1377	1-208-931-81 s	RES, CHIP 68K (1005)
R1378	1-208-867-81 s	RES, CHIP 150 (1005)
R1379	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1380	1-208-875-81 s	RES, CHIP 330 (1005)
R1381	1-208-875-81 s	RES, CHIP 330 (1005)
R1382	1-208-871-81 s	RES, CHIP 220 (1005)

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R1383	1-208-875-81 s	RES, CHIP 330 (1005)
R1384	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1385	1-208-871-81 s	RES, CHIP 220 (1005)
R1386	1-208-863-81 s	RES, CHIP 100 (1005)
R1387	1-208-855-81 s	RES, CHIP 47 (1005)
R1388	1-208-863-81 s	RES, CHIP 100 (1005)
R1389	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1392	1-208-919-81 s	RES, CHIP 22K (1005)
R1393	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1394	1-208-863-81 s	RES, CHIP 100 (1005)
R1395	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1398	1-208-919-81 s	RES, CHIP 22K (1005)
R1399	1-208-911-81 s	RES, CHIP 10K (1005)
R1400	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1401	1-208-875-81 s	RES, CHIP 330 (1005)
R1402	1-208-907-81 s	RES, CHIP 6.8K (1005)
R1403	1-208-883-81 s	RES, CHIP 680 (1005)
R1404	1-208-875-81 s	RES, CHIP 330 (1005)
R1405	1-208-911-81 s	RES, CHIP 10K (1005)
R1406	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1407	1-208-875-81 s	RES, CHIP 330 (1005)
R1409	1-208-867-81 s	RES, CHIP 150 (1005)
R1411	1-208-883-81 s	RES, CHIP 680 (1005)
R1412	1-208-883-81 s	RES, CHIP 680 (1005)
R1413	1-208-883-81 s	RES, CHIP 680 (1005)
R1414	1-208-867-81 s	RES, CHIP 150 (1005)
R1415	1-208-867-81 s	RES, CHIP 150 (1005)
R1416	1-208-867-81 s	RES, CHIP 150 (1005)
R1417	1-208-863-81 s	RES, CHIP 100 (1005)
R1418	1-208-863-81 s	RES, CHIP 100 (1005)
R1421	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1423	1-208-935-81 s	RES, CHIP 100K (1005)
R1424	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1425	1-208-911-81 s	RES, CHIP 10K (1005)
R1426	1-208-863-81 s	RES, CHIP 100 (1005)
R1427	1-208-859-81 s	RES, CHIP 68 (1005)
R1428	1-208-863-81 s	RES, CHIP 100 (1005)
R1429	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1430	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1431	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1432	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1433	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1434	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1435	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1436	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1437	1-208-883-81 s	RES, CHIP 680 (1005)
R1438	1-208-923-81 s	RES, CHIP 33K (1005)
R1441	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1442	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1445	1-208-875-81 s	RES, CHIP 330 (1005)
R1446	1-208-875-81 s	RES, CHIP 330 (1005)
R1447	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1448	1-208-879-81 s	RES, CHIP 470 (1005)
R1449	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1450	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1457	1-220-874-81 s	RES, CHIP 15 (1005)
R1458	1-208-863-81 s	RES, CHIP 100 (1005)
R1459	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1460	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1461	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1462	1-208-911-81 s	RES, CHIP 10K (1005)
R1463	1-208-883-81 s	RES, CHIP 680 (1005)
R1464	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1465	1-208-871-81 s	RES, CHIP 220 (1005)
R1466	1-208-883-81 s	RES, CHIP 680 (1005)

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R1467	1-208-867-81 s	RES, CHIP 150 (1005)
R1468	1-208-867-81 s	RES, CHIP 150 (1005)
R1469	1-208-883-81 s	RES, CHIP 680 (1005)
R1470	1-208-883-81 s	RES, CHIP 680 (1005)
R1471	1-208-867-81 s	RES, CHIP 150 (1005)
R1472	1-208-867-81 s	RES, CHIP 150 (1005)
R1473	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1474	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1475	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1476	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1477	1-208-859-81 s	RES, CHIP 68 (1005)
R1478	1-208-867-81 s	RES, CHIP 150 (1005)
R1479	1-208-867-81 s	RES, CHIP 150 (1005)
R1480	1-208-867-81 s	RES, CHIP 150 (1005)
R1481	1-208-867-81 s	RES, CHIP 150 (1005)
R1482	1-208-867-81 s	RES, CHIP 150 (1005)
R1483	1-208-863-81 s	RES, CHIP 100 (1005)
R1484	1-208-863-81 s	RES, CHIP 100 (1005)
R1485	1-208-863-81 s	RES, CHIP 100 (1005)
R1486	1-208-863-81 s	RES, CHIP 100 (1005)
R1487	1-208-863-81 s	RES, CHIP 100 (1005)
R1488	1-208-855-81 s	RES, CHIP 47 (1005)
R1489	1-208-871-81 s	RES, CHIP 220 (1005)
R1490	1-208-855-81 s	RES, CHIP 47 (1005)
R1491	1-208-871-81 s	RES, CHIP 220 (1005)
R1492	1-220-878-81 s	RES, CHIP 22 (1005)
R1493	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1494	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1499	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1500	1-208-919-81 s	RES, CHIP 22K (1005)
R1501	1-208-927-81 s	RES, CHIP 47K (1005)
R1502	1-208-911-81 s	RES, CHIP 10K (1005)
R1503	1-208-863-81 s	RES, CHIP 100 (1005)
R1504	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1505	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1506	1-208-911-81 s	RES, CHIP 10K (1005)
R1507	1-208-911-81 s	RES, CHIP 10K (1005)
R1508	1-208-863-81 s	RES, CHIP 100 (1005)
R1509	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1510	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1511	1-208-911-81 s	RES, CHIP 10K (1005)
R1512	1-208-863-81 s	RES, CHIP 100 (1005)
R1513	1-208-863-81 s	RES, CHIP 100 (1005)
R1514	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1515	1-208-867-81 s	RES, CHIP 150 (1005)
R1516	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1517	1-208-855-81 s	RES, CHIP 47 (1005)
R1518	1-208-867-81 s	RES, CHIP 150 (1005)
R1519	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1520	1-208-959-81 s	RES, CHIP 1M (1005)
R1521	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1522	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1523	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1524	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1525	1-208-875-81 s	RES, CHIP 330 (1005)
R1526	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1527	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1528	1-208-883-81 s	RES, CHIP 680 (1005)
R1529	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1530	1-220-874-81 s	RES, CHIP 15 (1005)
R1531	1-220-874-81 s	RES, CHIP 15 (1005)
R1532	1-220-874-81 s	RES, CHIP 15 (1005)
R1533	1-220-874-81 s	RES, CHIP 15 (1005)
R1534	1-220-874-81 s	RES, CHIP 15 (1005)
R1535	1-220-874-81 s	RES, CHIP 15 (1005)

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R1536	1-208-883-81 s	RES, CHIP 680 (1005)
R1537	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1538	1-208-911-81 s	RES, CHIP 10K (1005)
R1539	1-208-935-81 s	RES, CHIP 100K (1005)
R1543	1-208-863-81 s	RES, CHIP 100 (1005)
R1544	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1545	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1546	1-208-899-81 s	RES, CHIP 2.2K (1005)
R1547	1-208-871-81 s	RES, CHIP 220 (1005)
R1551	1-208-875-81 s	RES, CHIP 330 (1005)
R1552	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1553	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1554	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1555	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1556	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1557	1-208-935-81 s	RES, CHIP 100K (1005)
R1558	1-208-911-81 s	RES, CHIP 10K (1005)
R1560	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1561	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1562	1-208-883-81 s	RES, CHIP 680 (1005)
R1563	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1564	1-220-874-81 s	RES, CHIP 15 (1005)
R1565	1-220-874-81 s	RES, CHIP 15 (1005)
R1566	1-220-874-81 s	RES, CHIP 15 (1005)
R1567	1-220-874-81 s	RES, CHIP 15 (1005)
R1568	1-208-911-81 s	RES, CHIP 10K (1005)
R1569	1-220-874-81 s	RES, CHIP 15 (1005)
R1570	1-220-874-81 s	RES, CHIP 15 (1005)
R1571	1-208-935-81 s	RES, CHIP 100K (1005)
R1572	1-208-883-81 s	RES, CHIP 680 (1005)
R1573	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1574	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1575	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1578	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1579	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1580	1-208-911-81 s	RES, CHIP 10K (1005)
R1581	1-208-879-81 s	RES, CHIP 470 (1005)
R1583	1-208-875-81 s	RES, CHIP 330 (1005)
R1585	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1586	1-208-879-81 s	RES, CHIP 470 (1005)
R1587	1-208-863-81 s	RES, CHIP 100 (1005)
R1588	1-208-875-81 s	RES, CHIP 330 (1005)
R1589	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1590	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1592	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1593	1-208-935-81 s	RES, CHIP 100K (1005)
R1594	1-208-911-81 s	RES, CHIP 10K (1005)
R1595	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1596	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1597	1-208-883-81 s	RES, CHIP 680 (1005)
R1598	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1599	1-220-874-81 s	RES, CHIP 15 (1005)
R1600	1-220-874-81 s	RES, CHIP 15 (1005)
R1601	1-220-874-81 s	RES, CHIP 15 (1005)
R1602	1-220-874-81 s	RES, CHIP 15 (1005)
R1603	1-220-874-81 s	RES, CHIP 15 (1005)
R1604	1-220-874-81 s	RES, CHIP 15 (1005)
R1605	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1606	1-208-915-81 s	RES, CHIP 15K (1005)
R1607	1-208-867-81 s	RES, CHIP 150 (1005)
R1608	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1610	1-208-871-81 s	RES, CHIP 220 (1005)
R1611	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1613	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1614	1-208-911-81 s	RES, CHIP 10K (1005)

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R1615	1-208-935-81 s	RES, CHIP 100K (1005)
R1616	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1617	1-208-883-81 s	RES, CHIP 680 (1005)
R1618	1-208-883-81 s	RES, CHIP 680 (1005)
R1619	1-208-883-81 s	RES, CHIP 680 (1005)
R1620	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1621	1-208-883-81 s	RES, CHIP 680 (1005)
R1622	1-220-874-81 s	RES, CHIP 15 (1005)
R1623	1-220-874-81 s	RES, CHIP 15 (1005)
R1624	1-220-874-81 s	RES, CHIP 15 (1005)
R1625	1-220-874-81 s	RES, CHIP 15 (1005)
R1626	1-220-874-81 s	RES, CHIP 15 (1005)
R1627	1-220-874-81 s	RES, CHIP 15 (1005)
R1628	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1629	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1630	1-208-867-81 s	RES, CHIP 150 (1005)
R1631	1-208-867-81 s	RES, CHIP 150 (1005)
R1632	1-208-867-81 s	RES, CHIP 150 (1005)
R1633	1-208-867-81 s	RES, CHIP 150 (1005)
R1634	1-208-911-81 s	RES, CHIP 10K (1005)
R1635	1-208-863-81 s	RES, CHIP 100 (1005)
R1636	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1637	1-208-863-81 s	RES, CHIP 100 (1005)
R1638	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1639	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1640	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1641	1-208-919-81 s	RES, CHIP 22K (1005)
R1642	1-208-867-81 s	RES, CHIP 150 (1005)
R1643	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1644	1-208-855-81 s	RES, CHIP 47 (1005)
R1645	1-208-867-81 s	RES, CHIP 150 (1005)
R1646	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1647	1-208-959-81 s	RES, CHIP 1M (1005)
R1648	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1649	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1650	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1651	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1652	1-208-875-81 s	RES, CHIP 330 (1005)
R1653	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1654	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1655	1-208-883-81 s	RES, CHIP 680 (1005)
R1656	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1657	1-220-874-81 s	RES, CHIP 15 (1005)
R1658	1-220-874-81 s	RES, CHIP 15 (1005)
R1659	1-220-874-81 s	RES, CHIP 15 (1005)
R1660	1-220-874-81 s	RES, CHIP 15 (1005)
R1661	1-220-874-81 s	RES, CHIP 15 (1005)
R1662	1-220-874-81 s	RES, CHIP 15 (1005)
R1663	1-208-883-81 s	RES, CHIP 680 (1005)
R1664	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1665	1-208-911-81 s	RES, CHIP 10K (1005)
R1666	1-208-935-81 s	RES, CHIP 100K (1005)
R1670	1-208-863-81 s	RES, CHIP 100 (1005)
R1671	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1672	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1673	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1674	1-208-871-81 s	RES, CHIP 220 (1005)
R1678	1-208-875-81 s	RES, CHIP 330 (1005)
R1679	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1680	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1681	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1682	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1683	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1684	1-208-935-81 s	RES, CHIP 100K (1005)
R1685	1-208-911-81 s	RES, CHIP 10K (1005)

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R1687	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1688	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1689	1-208-883-81 s	RES, CHIP 680 (1005)
R1690	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1691	1-220-874-81 s	RES, CHIP 15 (1005)
R1692	1-220-874-81 s	RES, CHIP 15 (1005)
R1693	1-220-874-81 s	RES, CHIP 15 (1005)
R1694	1-220-874-81 s	RES, CHIP 15 (1005)
R1695	1-208-911-81 s	RES, CHIP 10K (1005)
R1696	1-220-874-81 s	RES, CHIP 15 (1005)
R1697	1-220-874-81 s	RES, CHIP 15 (1005)
R1698	1-208-935-81 s	RES, CHIP 100K (1005)
R1699	1-208-883-81 s	RES, CHIP 680 (1005)
R1700	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1701	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1702	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1705	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1706	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1707	1-208-911-81 s	RES, CHIP 10K (1005)
R1708	1-208-879-81 s	RES, CHIP 470 (1005)
R1710	1-208-875-81 s	RES, CHIP 330 (1005)
R1712	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1713	1-208-879-81 s	RES, CHIP 470 (1005)
R1714	1-208-863-81 s	RES, CHIP 100 (1005)
R1715	1-208-875-81 s	RES, CHIP 330 (1005)
R1716	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1717	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1719	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1720	1-208-935-81 s	RES, CHIP 100K (1005)
R1721	1-208-911-81 s	RES, CHIP 10K (1005)
R1722	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1723	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1724	1-208-883-81 s	RES, CHIP 680 (1005)
R1725	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1726	1-220-874-81 s	RES, CHIP 15 (1005)
R1727	1-220-874-81 s	RES, CHIP 15 (1005)
R1728	1-220-874-81 s	RES, CHIP 15 (1005)
R1729	1-220-874-81 s	RES, CHIP 15 (1005)
R1730	1-220-874-81 s	RES, CHIP 15 (1005)
R1731	1-220-874-81 s	RES, CHIP 15 (1005)
R1732	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1733	1-208-915-81 s	RES, CHIP 15K (1005)
R1734	1-208-867-81 s	RES, CHIP 150 (1005)
R1735	1-208-891-81 s	RES, CHIP 1.5K (1005)
R1737	1-208-871-81 s	RES, CHIP 220 (1005)
R1738	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1740	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1741	1-208-911-81 s	RES, CHIP 10K (1005)
R1742	1-208-935-81 s	RES, CHIP 100K (1005)
R1743	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1744	1-208-883-81 s	RES, CHIP 680 (1005)
R1745	1-208-883-81 s	RES, CHIP 680 (1005)
R1746	1-208-883-81 s	RES, CHIP 680 (1005)
R1747	1-208-899-81 s	RES, CHIP 3.3K (1005)
R1748	1-208-883-81 s	RES, CHIP 680 (1005)
R1749	1-220-874-81 s	RES, CHIP 15 (1005)
R1750	1-220-874-81 s	RES, CHIP 15 (1005)
R1751	1-220-874-81 s	RES, CHIP 15 (1005)
R1752	1-220-874-81 s	RES, CHIP 15 (1005)
R1753	1-220-874-81 s	RES, CHIP 15 (1005)
R1754	1-220-874-81 s	RES, CHIP 15 (1005)
R1755	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1756	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1757	1-208-867-81 s	RES, CHIP 150 (1005)
R1758	1-208-867-81 s	RES, CHIP 150 (1005)

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R1759	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1761	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1763	1-208-919-81 s	RES, CHIP 22K (1005)
R1764	1-208-919-81 s	RES, CHIP 22K (1005)
R1765	1-208-919-81 s	RES, CHIP 22K (1005)
R1766	1-208-919-81 s	RES, CHIP 22K (1005)
R1802	1-208-927-81 s	RES, CHIP 47K (1005)
R1803	1-208-935-81 s	RES, CHIP 100K (1005)
R1804	1-208-935-81 s	RES, CHIP 100K (1005)
R1805	1-208-935-81 s	RES, CHIP 100K (1005)
R1806	1-208-935-81 s	RES, CHIP 100K (1005)
R1807	1-220-870-81 s	RES, CHIP 10 (1005)
R1808	1-220-870-81 s	RES, CHIP 10 (1005)
R1809	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1811	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1812	1-208-863-81 s	RES, CHIP 100 (1005)
R1813	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1814	1-208-863-81 s	RES, CHIP 100 (1005)
R1816	1-208-935-81 s	RES, CHIP 100K (1005)
R1817	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1818	1-208-915-81 s	RES, CHIP 15K (1005)
R1819	1-208-863-81 s	RES, CHIP 100 (1005)
R1820	1-208-863-81 s	RES, CHIP 100 (1005)
R1821	1-208-915-81 s	RES, CHIP 15K (1005)
R1822	1-208-915-81 s	RES, CHIP 15K (1005)
R1823	1-208-935-81 s	RES, CHIP 100K (1005)
R1824	1-208-935-81 s	RES, CHIP 100K (1005)
R1825	1-208-915-81 s	RES, CHIP 15K (1005)
R1826	1-208-915-81 s	RES, CHIP 15K (1005)
R1827	1-220-870-81 s	RES, CHIP 10 (1005)
R1828	1-208-915-81 s	RES, CHIP 15K (1005)
R1829	1-208-915-81 s	RES, CHIP 15K (1005)
R1830	1-208-935-81 s	RES, CHIP 100K (1005)
R1831	1-220-870-81 s	RES, CHIP 10 (1005)
R1832	1-208-915-81 s	RES, CHIP 15K (1005)
R1833	1-220-870-81 s	RES, CHIP 10 (1005)
R1834	1-208-915-81 s	RES, CHIP 15K (1005)
R1835	1-208-915-81 s	RES, CHIP 15K (1005)
R1836	1-220-870-81 s	RES, CHIP 10 (1005)
R1837	1-220-870-81 s	RES, CHIP 10 (1005)
R1838	1-208-911-81 s	RES, CHIP 10K (1005)
R1839	1-208-915-81 s	RES, CHIP 15K (1005)
R1840	1-208-911-81 s	RES, CHIP 10K (1005)
R1842	1-208-919-81 s	RES, CHIP 22K (1005)
R1843	1-208-915-81 s	RES, CHIP 15K (1005)
R1844	1-220-870-81 s	RES, CHIP 10 (1005)
R1845	1-208-863-81 s	RES, CHIP 100 (1005)
R1846	1-208-911-81 s	RES, CHIP 10K (1005)
R1848	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1849	1-208-935-81 s	RES, CHIP 100K (1005)
R1851	1-208-935-81 s	RES, CHIP 100K (1005)
R1852	1-208-887-81 s	RES, CHIP 1.0K (1005)
R1853	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1854	1-208-923-81 s	RES, CHIP 33K (1005)
R1855	1-208-915-81 s	RES, CHIP 15K (1005)
R1856	1-208-915-81 s	RES, CHIP 15K (1005)
R1857	1-208-883-81 s	RES, CHIP 680 (1005)
R1858	1-208-903-81 s	RES, CHIP 4.7K (1005)
R1859	1-208-883-81 s	RES, CHIP 680 (1005)
R1860	1-208-883-81 s	RES, CHIP 680 (1005)
R1861	1-208-911-81 s	RES, CHIP 10K (1005)
R1863	1-208-911-81 s	RES, CHIP 10K (1005)
R1864	1-208-911-81 s	RES, CHIP 10K (1005)
R1865	1-208-935-81 s	RES, CHIP 100K (1005)
R1866	1-208-935-81 s	RES, CHIP 100K (1005)

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R1867	1-208-883-81	s	RES, CHIP 680 (1005)
R1868	1-208-927-81	s	RES, CHIP 47K (1005)
R1869	1-208-863-81	s	RES, CHIP 100 (1005)
R1870	1-208-863-81	s	RES, CHIP 100 (1005)
R1872	1-208-863-81	s	RES, CHIP 100 (1005)
R1873	1-208-891-81	s	RES, CHIP 1.5K (1005)
R1874	1-208-879-81	s	RES, CHIP 470 (1005)
R1877	1-208-863-81	s	RES, CHIP 100 (1005)
R1878	1-208-943-81	s	RES, CHIP 220K (1005)
R1879	1-208-911-81	s	RES, CHIP 10K (1005)
R1880	1-208-943-81	s	RES, CHIP 220K (1005)
R1881	1-208-927-81	s	RES, CHIP 47K (1005)
R1882	1-208-863-81	s	RES, CHIP 100 (1005)
R1883	1-208-931-81	s	RES, CHIP 68K (1005)
R1884	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R1885	1-220-242-91	s	RES, SQUARE TYPE CHIP 22(3225)
R1886	1-220-242-91	s	RES, SQUARE TYPE CHIP 22(3225)
R1887	1-208-939-81	s	RES, CHIP 150K (1005)
R1888	1-208-867-81	s	RES, CHIP 150 (1005)
R1889	1-208-867-81	s	RES, CHIP 150 (1005)
R1890	1-208-923-81	s	RES, CHIP 33K (1005)
R1892	1-208-927-81	s	RES, CHIP 47K (1005)
R1894	1-208-875-81	s	RES, CHIP 330 (1005)
R1895	1-208-891-81	s	RES, CHIP 1.5K (1005)
R1898	1-208-867-81	s	RES, CHIP 150 (1005)
R1899	1-208-867-81	s	RES, CHIP 150 (1005)
R1900	1-208-911-81	s	RES, CHIP 10K (1005)
R1901	1-208-911-81	s	RES, CHIP 10K (1005)
R1903	1-208-879-81	s	RES, CHIP 470 (1005)
R1905	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R1908	1-208-911-81	s	RES, CHIP 10K (1005)
R1909	1-208-935-81	s	RES, CHIP 100K (1005)
R1910	1-208-935-81	s	RES, CHIP 100K (1005)
R1913	1-208-911-81	s	RES, CHIP 10K (1005)
R1914	1-208-911-81	s	RES, CHIP 10K (1005)
R1915	1-208-911-81	s	RES, CHIP 10K (1005)
R1917	1-208-903-81	s	RES, CHIP 4.7K (1005)
R1918	1-208-911-81	s	RES, CHIP 10K (1005)
R1920	1-208-919-81	s	RES, CHIP 22K (1005)
R1921	1-208-927-81	s	RES, CHIP 47K (1005)
R1922	1-208-927-81	s	RES, CHIP 47K (1005)
R1925	1-208-919-81	s	RES, CHIP 22K (1005)
R1926	1-208-895-81	s	RES, CHIP 2.2K (1005)
R1927	1-208-895-81	s	RES, CHIP 2.2K (1005)
R1930	1-208-959-81	s	RES, CHIP 1M (1005)
R1931	1-208-911-81	s	RES, CHIP 10K (1005)
R1932	1-208-911-81	s	RES, CHIP 10K (1005)
R1933	1-208-911-81	s	RES, CHIP 10K (1005)
R1936	1-208-911-81	s	RES, CHIP 10K (1005)
R1937	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R1938	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R1939	1-208-919-81	s	RES, CHIP 22K (1005)
R1940	1-220-870-81	s	RES, CHIP 10 (1005)
R1941	1-220-870-81	s	RES, CHIP 10 (1005)
R1942	1-208-919-81	s	RES, CHIP 22K (1005)
R1943	1-220-870-81	s	RES, CHIP 10 (1005)
R1944	1-220-870-81	s	RES, CHIP 10 (1005)
R1945	1-208-863-81	s	RES, CHIP 100 (1005)
R1946	1-208-863-81	s	RES, CHIP 100 (1005)
R1947	1-208-915-81	s	RES, CHIP 15K (1005)
R1948	1-208-915-81	s	RES, CHIP 15K (1005)
R1949	1-208-915-81	s	RES, CHIP 15K (1005)
R1950	1-208-915-81	s	RES, CHIP 15K (1005)
R1951	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R1953	1-208-935-81	s	RES, CHIP 100K (1005)

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R1954	1-208-935-81	s	RES, CHIP 100K (1005)
R1955	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R1956	1-220-870-81	s	RES, CHIP 10 (1005)
R1957	1-220-870-81	s	RES, CHIP 10 (1005)
R1958	1-220-870-81	s	RES, CHIP 10 (1005)
R1959	1-220-870-81	s	RES, CHIP 10 (1005)
R1960	1-208-911-81	s	RES, CHIP 10K (1005)
R1961	1-208-919-81	s	RES, CHIP 22K (1005)
R1962	1-208-911-81	s	RES, CHIP 10K (1005)
R1963	1-208-919-81	s	RES, CHIP 22K (1005)
R1964	1-208-927-81	s	RES, CHIP 47K (1005)
R1965	1-208-927-81	s	RES, CHIP 47K (1005)
R1966	1-208-863-81	s	RES, CHIP 100 (1005)
R1967	1-208-863-81	s	RES, CHIP 100 (1005)
R1968	1-208-863-81	s	RES, CHIP 100 (1005)
R1969	1-208-863-81	s	RES, CHIP 100 (1005)
R1970	1-208-911-81	s	RES, CHIP 10K (1005)
R1971	1-208-911-81	s	RES, CHIP 10K (1005)
R1972	1-208-935-81	s	RES, CHIP 100K (1005)
R1973	1-208-887-81	s	RES, CHIP 1.0K (1005)
R1974	1-208-935-81	s	RES, CHIP 100K (1005)
R1975	1-208-887-81	s	RES, CHIP 1.0K (1005)
R1976	1-208-915-81	s	RES, CHIP 15K (1005)
R1977	1-208-863-81	s	RES, CHIP 100 (1005)
R1978	1-208-863-81	s	RES, CHIP 100 (1005)
R1979	1-208-915-81	s	RES, CHIP 15K (1005)
R1980	1-208-911-81	s	RES, CHIP 10K (1005)
R1981	1-208-911-81	s	RES, CHIP 10K (1005)
R1982	1-208-915-81	s	RES, CHIP 15K (1005)
R1983	1-208-915-81	s	RES, CHIP 15K (1005)
R1984	1-208-911-81	s	RES, CHIP 10K (1005)
R1985	1-208-911-81	s	RES, CHIP 10K (1005)
R1986	1-208-911-81	s	RES, CHIP 10K (1005)
R1987	1-208-911-81	s	RES, CHIP 10K (1005)
R1988	1-208-911-81	s	RES, CHIP 10K (1005)
R1989	1-208-911-81	s	RES, CHIP 10K (1005)
R1990	1-208-911-81	s	RES, CHIP 10K (1005)
R1991	1-208-911-81	s	RES, CHIP 10K (1005)
R1992	1-208-911-81	s	RES, CHIP 10K (1005)
R1993	1-208-911-81	s	RES, CHIP 10K (1005)
R1994	1-208-935-81	s	RES, CHIP 100K (1005)
R1995	1-208-935-81	s	RES, CHIP 100K (1005)
R1996	1-208-935-81	s	RES, CHIP 100K (1005)
R1997	1-208-935-81	s	RES, CHIP 100K (1005)
R1998	1-208-911-81	s	RES, CHIP 10K (1005)
R1999	1-208-911-81	s	RES, CHIP 10K (1005)
R2000	1-208-911-81	s	RES, CHIP 10K (1005)
R2001	1-208-911-81	s	RES, CHIP 10K (1005)
R2002	1-208-911-81	s	RES, CHIP 10K (1005)
R2003	1-208-911-81	s	RES, CHIP 10K (1005)
R2004	1-208-891-81	s	RES, CHIP 1.5K (1005)
R2005	1-208-891-81	s	RES, CHIP 1.5K (1005)
R2006	1-208-935-81	s	RES, CHIP 100K (1005)
R2007	1-208-935-81	s	RES, CHIP 100K (1005)
R2008	1-208-863-81	s	RES, CHIP 100 (1005)
R2009	1-208-863-81	s	RES, CHIP 100 (1005)
R2010	1-208-927-81	s	RES, CHIP 47K (1005)
R2011	1-208-927-81	s	RES, CHIP 47K (1005)
R2012	1-208-927-81	s	RES, CHIP 47K (1005)
R2013	1-208-927-81	s	RES, CHIP 47K (1005)
R2014	1-208-927-81	s	RES, CHIP 47K (1005)
R2015	1-208-927-81	s	RES, CHIP 47K (1005)
R2016	1-208-935-81	s	RES, CHIP 100K (1005)
R2017	1-208-935-81	s	RES, CHIP 100K (1005)
R2018	1-208-903-81	s	RES, CHIP 4.7K (1005)

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R2019	1-208-911-81 s	RES, CHIP 10K (1005)
R2020	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2021	1-208-911-81 s	RES, CHIP 10K (1005)
R2022	1-208-911-81 s	RES, CHIP 10K (1005)
R2023	1-208-911-81 s	RES, CHIP 10K (1005)
R2024	1-208-943-81 s	RES, CHIP 220K (1005)
R2025	1-208-943-81 s	RES, CHIP 220K (1005)
R2026	1-208-863-81 s	RES, CHIP 100 (1005)
R2027	1-208-863-81 s	RES, CHIP 100 (1005)
R2028	1-208-927-81 s	RES, CHIP 47K (1005)
R2029	1-208-927-81 s	RES, CHIP 47K (1005)
R2030	1-208-911-81 s	RES, CHIP 10K (1005)
R2031	1-208-911-81 s	RES, CHIP 10K (1005)
R2032	1-208-919-81 s	RES, CHIP 22K (1005)
R2033	1-208-919-81 s	RES, CHIP 22K (1005)
R2034	1-208-863-81 s	RES, CHIP 100 (1005)
R2035	1-208-863-81 s	RES, CHIP 100 (1005)
R2036	1-208-911-81 s	RES, CHIP 10K (1005)
R2037	1-208-911-81 s	RES, CHIP 10K (1005)
R2038	1-208-919-81 s	RES, CHIP 22K (1005)
R2039	1-208-919-81 s	RES, CHIP 22K (1005)
R2040	1-208-919-81 s	RES, CHIP 22K (1005)
R2041	1-208-919-81 s	RES, CHIP 22K (1005)
R2042	1-208-919-81 s	RES, CHIP 22K (1005)
R2043	1-208-919-81 s	RES, CHIP 22K (1005)
R2044	1-208-923-81 s	RES, CHIP 33K (1005)
R2045	1-208-919-81 s	RES, CHIP 22K (1005)
R2046	1-208-923-81 s	RES, CHIP 33K (1005)
R2047	1-208-923-81 s	RES, CHIP 33K (1005)
R2048	1-208-943-81 s	RES, CHIP 220K (1005)
R2049	1-208-943-81 s	RES, CHIP 220K (1005)
R2050	1-208-943-81 s	RES, CHIP 220K (1005)
R2051	1-208-919-81 s	RES, CHIP 22K (1005)
R2052	1-208-923-81 s	RES, CHIP 33K (1005)
R2053	1-208-943-81 s	RES, CHIP 220K (1005)
R2054	1-208-927-81 s	RES, CHIP 47K (1005)
R2055	1-208-919-81 s	RES, CHIP 22K (1005)
R2056	1-208-927-81 s	RES, CHIP 47K (1005)
R2057	1-208-927-81 s	RES, CHIP 47K (1005)
R2058	1-216-813-91 s	RES, CHIP 220 (1608)
R2059	1-216-813-91 s	RES, CHIP 220 (1608)
R2060	1-216-813-91 s	RES, CHIP 220 (1608)
R2061	1-216-813-91 s	RES, CHIP 220 (1608)
R2062	1-216-813-91 s	RES, CHIP 220 (1608)
R2063	1-216-813-91 s	RES, CHIP 220 (1608)
R2064	1-216-813-91 s	RES, CHIP 220 (1608)
R2065	1-216-813-91 s	RES, CHIP 220 (1608)
R2066	1-208-919-81 s	RES, CHIP 22K (1005)
R2067	1-208-927-81 s	RES, CHIP 47K (1005)
R2068	1-208-911-81 s	RES, CHIP 10K (1005)
R2069	1-208-911-81 s	RES, CHIP 10K (1005)
R2070	1-208-927-81 s	RES, CHIP 47K (1005)
R2071	1-208-911-81 s	RES, CHIP 10K (1005)
R2072	1-208-927-81 s	RES, CHIP 47K (1005)
R2073	1-208-927-81 s	RES, CHIP 47K (1005)
R2074	1-208-911-81 s	RES, CHIP 10K (1005)
R2075	1-208-911-81 s	RES, CHIP 10K (1005)
R2076	1-208-911-81 s	RES, CHIP 10K (1005)
R2077	1-208-911-81 s	RES, CHIP 10K (1005)
R2078	1-208-911-81 s	RES, CHIP 10K (1005)
R2079	1-208-927-81 s	RES, CHIP 47K (1005)
R2080	1-208-927-81 s	RES, CHIP 47K (1005)
R2081	1-208-927-81 s	RES, CHIP 47K (1005)
R2082	1-208-911-81 s	RES, CHIP 10K (1005)
R2083	1-208-911-81 s	RES, CHIP 10K (1005)

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R2084	1-208-911-81 s	RES, CHIP 10K (1005)
R2085	1-208-911-81 s	RES, CHIP 10K (1005)
R2086	1-208-911-81 s	RES, CHIP 10K (1005)
R2087	1-208-911-81 s	RES, CHIP 10K (1005)
R2088	1-208-911-81 s	RES, CHIP 10K (1005)
R2089	1-208-911-81 s	RES, CHIP 10K (1005)
R2090	1-208-911-81 s	RES, CHIP 10K (1005)
R2091	1-208-911-81 s	RES, CHIP 10K (1005)
R2092	1-208-911-81 s	RES, CHIP 10K (1005)
R2093	1-208-911-81 s	RES, CHIP 10K (1005)
R2094	1-211-969-91 s	RES, CHIP 10 (1608)
R2095	1-208-911-81 s	RES, CHIP 10K (1005)
R2096	1-211-969-91 s	RES, CHIP 10 (1608)
R2097	1-208-911-81 s	RES, CHIP 10K (1005)
R2098	1-211-969-91 s	RES, CHIP 10 (1608)
R2099	1-211-969-91 s	RES, CHIP 10 (1608)
R2100	1-208-935-81 s	RES, CHIP 100K (1005)
R2101	1-208-935-81 s	RES, CHIP 100K (1005)
R2102	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2103	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2104	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2105	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2106	1-208-935-81 s	RES, CHIP 100K (1005)
R2107	1-208-935-81 s	RES, CHIP 100K (1005)
R2108	1-208-911-81 s	RES, CHIP 10K (1005)
R2109	1-208-911-81 s	RES, CHIP 10K (1005)
R2110	1-208-911-81 s	RES, CHIP 10K (1005)
R2111	1-208-911-81 s	RES, CHIP 10K (1005)
R2112	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2113	1-208-927-81 s	RES, CHIP 47K (1005)
R2114	1-208-919-81 s	RES, CHIP 22K (1005)
R2115	1-208-919-81 s	RES, CHIP 22K (1005)
R2116	1-208-927-81 s	RES, CHIP 47K (1005)
R2117	1-208-919-81 s	RES, CHIP 22K (1005)
R2118	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2119	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2120	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2121	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2122	1-208-919-81 s	RES, CHIP 22K (1005)
R2123	1-208-911-81 s	RES, CHIP 10K (1005)
R2124	1-208-911-81 s	RES, CHIP 10K (1005)
R2125	1-208-911-81 s	RES, CHIP 10K (1005)
R2126	1-208-959-81 s	RES, CHIP 1M (1005)
R2127	1-208-911-81 s	RES, CHIP 10K (1005)
R2128	1-208-927-81 s	RES, CHIP 47K (1005)
R2129	1-208-919-81 s	RES, CHIP 22K (1005)
R2130	1-208-911-81 s	RES, CHIP 10K (1005)
R2131	1-208-927-81 s	RES, CHIP 47K (1005)
R2132	1-208-919-81 s	RES, CHIP 22K (1005)
R2133	1-208-911-81 s	RES, CHIP 10K (1005)
R2134	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2136	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2137	1-220-878-81 s	RES, CHIP 22 (1005)
R2138	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2139	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2140	1-208-927-81 s	RES, CHIP 47K (1005)
R2142	1-220-878-81 s	RES, CHIP 22 (1005)
R2146	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2147	1-208-923-81 s	RES, CHIP 33K (1005)
R2148	1-208-911-81 s	RES, CHIP 10K (1005)
R2149	1-208-923-81 s	RES, CHIP 33K (1005)
R2150	1-208-911-81 s	RES, CHIP 10K (1005)
R2151	1-208-923-81 s	RES, CHIP 33K (1005)
R2156	1-208-863-81 s	RES, CHIP 100 (1005)
R2157	1-208-911-81 s	RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R2158	1-208-923-81 s	RES, CHIP 33K (1005)
R2159	1-208-911-81 s	RES, CHIP 10K (1005)
R2160	1-208-939-81 s	RES, CHIP 150K (1005)
R2161	1-208-863-81 s	RES, CHIP 100 (1005)
R2162	1-208-863-81 s	RES, CHIP 100 (1005)
R2163	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2164	1-208-911-81 s	RES, CHIP 10K (1005)
R2165	1-208-911-81 s	RES, CHIP 10K (1005)
R2166	1-208-927-81 s	RES, CHIP 47K (1005)
R2167	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2168	1-208-863-81 s	RES, CHIP 100 (1005)
R2169	1-208-863-81 s	RES, CHIP 100 (1005)
R2170	1-208-911-81 s	RES, CHIP 10K (1005)
R2171	1-208-911-81 s	RES, CHIP 10K (1005)
R2172	1-208-927-81 s	RES, CHIP 47K (1005)
R2173	1-208-911-81 s	RES, CHIP 10K (1005)
R2174	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2201	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2202	1-220-870-81 s	RES, CHIP 10 (1005)
R2203	1-220-870-81 s	RES, CHIP 10 (1005)
R2204	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2205	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2206	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2207	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2208	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2209	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2210	1-208-891-81 s	RES, CHIP 1.5K (1005)
R2211	1-208-891-81 s	RES, CHIP 1.5K (1005)
R2212	1-208-891-81 s	RES, CHIP 1.5K (1005)
R2213	1-208-891-81 s	RES, CHIP 1.5K (1005)
R2214	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2215	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2216	1-208-927-81 s	RES, CHIP 47K (1005)
R2217	1-208-927-81 s	RES, CHIP 47K (1005)
R2218	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2219	1-208-935-81 s	RES, CHIP 100K (1005)
R2220	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2221	1-208-935-81 s	RES, CHIP 100K (1005)
R2223	1-208-911-81 s	RES, CHIP 10K (1005)
R2225	1-208-911-81 s	RES, CHIP 10K (1005)
R2226	1-208-863-81 s	RES, CHIP 100 (1005)
R2227	1-208-863-81 s	RES, CHIP 100 (1005)
R2228	1-208-919-81 s	RES, CHIP 22K (1005)
R2229	1-208-919-81 s	RES, CHIP 22K (1005)
R2230	1-220-870-81 s	RES, CHIP 10 (1005)
R2231	1-220-870-81 s	RES, CHIP 10 (1005)
R2232	1-220-870-81 s	RES, CHIP 10 (1005)
R2233	1-220-870-81 s	RES, CHIP 10 (1005)
R2234	1-208-919-81 s	RES, CHIP 22K (1005)
R2235	1-208-919-81 s	RES, CHIP 22K (1005)
R2236	1-208-863-81 s	RES, CHIP 100 (1005)
R2237	1-208-863-81 s	RES, CHIP 100 (1005)
R2238	1-208-919-81 s	RES, CHIP 22K (1005)
R2239	1-208-919-81 s	RES, CHIP 22K (1005)
R2240	1-216-813-91 s	RES, CHIP 220 (1608)
R2241	1-216-813-91 s	RES, CHIP 220 (1608)
R2242	1-216-813-91 s	RES, CHIP 220 (1608)
R2243	1-216-813-91 s	RES, CHIP 220 (1608)
R2244	1-216-813-91 s	RES, CHIP 220 (1608)
R2245	1-216-813-91 s	RES, CHIP 220 (1608)
R2246	1-216-813-91 s	RES, CHIP 220 (1608)
R2247	1-216-813-91 s	RES, CHIP 220 (1608)
R2248	1-208-911-81 s	RES, CHIP 10K (1005)
R2249	1-208-911-81 s	RES, CHIP 10K (1005)
R2250	1-208-911-81 s	RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R2251	1-208-911-81 s	RES, CHIP 10K (1005)
R2252	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2253	1-208-919-81 s	RES, CHIP 22K (1005)
R2254	1-208-935-81 s	RES, CHIP 100K (1005)
R2255	1-208-919-81 s	RES, CHIP 22K (1005)
R2256	1-208-935-81 s	RES, CHIP 100K (1005)
R2257	1-208-935-81 s	RES, CHIP 100K (1005)
R2258	1-208-935-81 s	RES, CHIP 100K (1005)
R2259	1-208-959-81 s	RES, CHIP 1M (1005)
R2260	1-208-911-81 s	RES, CHIP 10K (1005)
R2261	1-208-911-81 s	RES, CHIP 10K (1005)
R2262	1-208-863-81 s	RES, CHIP 100 (1005)
R2263	1-208-863-81 s	RES, CHIP 100 (1005)
R2264	1-208-895-81 s	RES, CHIP 2.2K (1005)
R2265	1-208-911-81 s	RES, CHIP 10K (1005)
R2266	1-208-895-81 s	RES, CHIP 2.2K (1005)
R2267	1-208-911-81 s	RES, CHIP 10K (1005)
R2269	1-208-911-81 s	RES, CHIP 10K (1005)
R2270	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2271	1-208-891-81 s	RES, CHIP 1.5K (1005)
R2272	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2273	1-208-891-81 s	RES, CHIP 1.5K (1005)
R2274	1-208-927-81 s	RES, CHIP 47K (1005)
R2275	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2301	1-208-911-81 s	RES, CHIP 10K (1005)
R2302	1-208-911-81 s	RES, CHIP 10K (1005)
R2303	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2304	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2305	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2306	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2307	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2308	1-208-855-81 s	RES, CHIP 47 (1005)
R2309	1-208-911-81 s	RES, CHIP 10K (1005)
R2310	1-208-911-81 s	RES, CHIP 10K (1005)
R2311	1-208-927-81 s	RES, CHIP 47K (1005)
R2312	1-208-927-81 s	RES, CHIP 47K (1005)
R2313	1-208-863-81 s	RES, CHIP 100 (1005)
R2314	1-208-927-81 s	RES, CHIP 47K (1005)
R2315	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2316	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2317	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2318	1-208-863-81 s	RES, CHIP 100 (1005)
R2319	1-208-855-81 s	RES, CHIP 47 (1005)
R2320	1-208-855-81 s	RES, CHIP 47 (1005)
R2321	1-208-895-81 s	RES, CHIP 2.2K (1005)
R2322	1-208-911-81 s	RES, CHIP 10K (1005)
R2323	1-208-863-81 s	RES, CHIP 100 (1005)
R2324	1-208-855-81 s	RES, CHIP 47 (1005)
R2325	1-208-855-81 s	RES, CHIP 47 (1005)
R2326	1-208-855-81 s	RES, CHIP 47 (1005)
R2327	1-208-855-81 s	RES, CHIP 47 (1005)
R2328	1-208-863-81 s	RES, CHIP 100 (1005)
R2329	1-208-855-81 s	RES, CHIP 47 (1005)
R2330	1-208-911-81 s	RES, CHIP 10K (1005)
R2331	1-208-911-81 s	RES, CHIP 10K (1005)
R2332	1-208-863-81 s	RES, CHIP 100 (1005)
R2333	1-208-855-81 s	RES, CHIP 47 (1005)
R2334	1-220-878-81 s	RES, CHIP 22 (1005)
R2335	1-208-855-81 s	RES, CHIP 47 (1005)
R2336	1-208-855-81 s	RES, CHIP 47 (1005)
R2338	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2340	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2341	1-208-863-81 s	RES, CHIP 100 (1005)
R2342	1-208-863-81 s	RES, CHIP 100 (1005)
R2343	1-208-903-81 s	RES, CHIP 4.7K (1005)

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R2344	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2347	1-208-863-81 s	RES, CHIP 100 (1005)
R2348	1-208-863-81 s	RES, CHIP 100 (1005)
R2349	1-208-863-81 s	RES, CHIP 100 (1005)
R2350	1-208-863-81 s	RES, CHIP 100 (1005)
R2351	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2352	1-208-923-81 s	RES, CHIP 33K (1005)
R2353	1-208-919-81 s	RES, CHIP 22K (1005)
R2354	1-208-919-81 s	RES, CHIP 22K (1005)
R2355	1-220-870-81 s	RES, CHIP 10 (1005)
R2356	1-220-870-81 s	RES, CHIP 10 (1005)
R2357	1-208-927-81 s	RES, CHIP 47K (1005)
R2358	1-208-863-81 s	RES, CHIP 100 (1005)
R2359	1-208-863-81 s	RES, CHIP 100 (1005)
R2360	1-208-959-81 s	RES, CHIP 1M (1005)
R2361	1-208-919-81 s	RES, CHIP 22K (1005)
R2362	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2363	1-208-855-81 s	RES, CHIP 47 (1005)
R2364	1-208-863-81 s	RES, CHIP 100 (1005)
R2365	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2366	1-208-855-81 s	RES, CHIP 47 (1005)
R2367	1-208-863-81 s	RES, CHIP 100 (1005)
R2368	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2370	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2371	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2372	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2373	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2375	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2377	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2378	1-220-878-81 s	RES, CHIP 22 (1005)
R2379	1-220-878-81 s	RES, CHIP 22 (1005)
R2380	1-208-911-81 s	RES, CHIP 10K (1005)
R2381	1-208-927-81 s	RES, CHIP 47K (1005)
R2382	1-208-863-81 s	RES, CHIP 100 (1005)
R2383	1-208-863-81 s	RES, CHIP 100 (1005)
R2384	1-208-863-81 s	RES, CHIP 100 (1005)
R2385	1-208-863-81 s	RES, CHIP 100 (1005)
R2386	1-208-863-81 s	RES, CHIP 100 (1005)
R2387	1-208-863-81 s	RES, CHIP 100 (1005)
R2388	1-208-863-81 s	RES, CHIP 100 (1005)
R2389	1-208-863-81 s	RES, CHIP 100 (1005)
R2390	1-208-863-81 s	RES, CHIP 100 (1005)
R2391	1-208-863-81 s	RES, CHIP 100 (1005)
R2392	1-208-863-81 s	RES, CHIP 100 (1005)
R2393	1-208-863-81 s	RES, CHIP 100 (1005)
R2396	1-208-863-81 s	RES, CHIP 100 (1005)
R2397	1-208-863-81 s	RES, CHIP 100 (1005)
R2398	1-208-911-81 s	RES, CHIP 10K (1005)
R2399	1-208-911-81 s	RES, CHIP 10K (1005)
R2400	1-208-935-81 s	RES, CHIP 100K (1005)
R2401	1-208-935-81 s	RES, CHIP 100K (1005)
R2406	1-208-927-81 s	RES, CHIP 47K (1005)
R2407	1-208-927-81 s	RES, CHIP 47K (1005)
R2409	1-208-863-81 s	RES, CHIP 100 (1005)
R2410	1-208-863-81 s	RES, CHIP 100 (1005)
R2411	1-208-863-81 s	RES, CHIP 100 (1005)
R2412	1-208-863-81 s	RES, CHIP 100 (1005)
R2413	1-208-863-81 s	RES, CHIP 100 (1005)
R2414	1-208-863-81 s	RES, CHIP 100 (1005)
R2415	1-208-863-81 s	RES, CHIP 100 (1005)
R2416	1-208-863-81 s	RES, CHIP 100 (1005)
R2417	1-208-863-81 s	RES, CHIP 100 (1005)
R2418	1-208-863-81 s	RES, CHIP 100 (1005)
R2419	1-208-863-81 s	RES, CHIP 100 (1005)
R2420	1-208-863-81 s	RES, CHIP 100 (1005)

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R2421	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2422	1-208-863-81 s	RES, CHIP 100 (1005)
R2423	1-208-911-81 s	RES, CHIP 10K (1005)
R2425	1-208-911-81 s	RES, CHIP 10K (1005)
R2426	1-208-863-81 s	RES, CHIP 100 (1005)
R2427	1-208-863-81 s	RES, CHIP 100 (1005)
R2428	1-208-863-81 s	RES, CHIP 100 (1005)
R2429	1-208-863-81 s	RES, CHIP 100 (1005)
R2430	1-208-863-81 s	RES, CHIP 100 (1005)
R2431	1-208-863-81 s	RES, CHIP 100 (1005)
R2432	1-208-911-81 s	RES, CHIP 10K (1005)
R2434	1-208-863-81 s	RES, CHIP 100 (1005)
R2435	1-208-863-81 s	RES, CHIP 100 (1005)
R2436	1-208-863-81 s	RES, CHIP 100 (1005)
R2437	1-208-863-81 s	RES, CHIP 100 (1005)
R2438	1-208-855-81 s	RES, CHIP 47 (1005)
R2439	1-208-855-81 s	RES, CHIP 47 (1005)
R2501	1-208-867-81 s	RES, CHIP 150 (1005)
R2502	1-208-867-81 s	RES, CHIP 150 (1005)
R2503	1-208-911-81 s	RES, CHIP 10K (1005)
R2504	1-208-863-81 s	RES, CHIP 100 (1005)
R2505	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2506	1-208-863-81 s	RES, CHIP 100 (1005)
R2508	1-208-895-81 s	RES, CHIP 2.2K (1005)
R2509	1-208-875-81 s	RES, CHIP 330 (1005)
R2510	1-208-879-81 s	RES, CHIP 470 (1005)
R2511	1-208-863-81 s	RES, CHIP 100 (1005)
R2512	1-208-891-81 s	RES, CHIP 1.5K (1005)
R2514	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2515	1-208-927-81 s	RES, CHIP 47K (1005)
R2516	1-208-863-81 s	RES, CHIP 100 (1005)
R2517	1-208-863-81 s	RES, CHIP 100 (1005)
R2518	1-208-863-81 s	RES, CHIP 100 (1005)
R2519	1-208-855-81 s	RES, CHIP 47 (1005)
R2520	1-208-855-81 s	RES, CHIP 47 (1005)
R2521	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2522	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2523	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2524	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2525	1-208-863-81 s	RES, CHIP 100 (1005)
R2526	1-208-911-81 s	RES, CHIP 10K (1005)
R2527	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2528	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2529	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2530	1-208-863-81 s	RES, CHIP 100 (1005)
R2531	1-208-863-81 s	RES, CHIP 100 (1005)
R2532	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2533	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2534	1-208-863-81 s	RES, CHIP 100 (1005)
R2535	1-208-863-81 s	RES, CHIP 100 (1005)
R2536	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2537	1-208-863-81 s	RES, CHIP 100 (1005)
R2538	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2539	1-220-870-81 s	RES, CHIP 10 (1005)
R2540	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2541	1-208-899-81 s	RES, CHIP 3.3K (1005)
R2542	1-208-875-81 s	RES, CHIP 330 (1005)
R2543	1-220-870-81 s	RES, CHIP 10 (1005)
R2544	1-220-870-81 s	RES, CHIP 10 (1005)
R2549	1-208-887-81 s	RES, CHIP 1.0K (1005)
R2550	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2551	1-208-863-81 s	RES, CHIP 100 (1005)
R2556	1-208-863-81 s	RES, CHIP 100 (1005)
R2557	1-208-875-81 s	RES, CHIP 330 (1005)
R2558	1-208-855-81 s	RES, CHIP 47 (1005)

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R2559	1-208-871-81	s	RES, CHIP 220 (1005)
R2560	1-208-863-81	s	RES, CHIP 100 (1005)
R2562	1-220-870-81	s	RES, CHIP 10 (1005)
R2563	1-208-863-81	s	RES, CHIP 100 (1005)
R2564	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2565	1-208-863-81	s	RES, CHIP 100 (1005)
R2566	1-220-870-81	s	RES, CHIP 10 (1005)
R2567	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2568	1-208-863-81	s	RES, CHIP 100 (1005)
R2569	1-208-911-81	s	RES, CHIP 10K (1005)
R2571	1-208-911-81	s	RES, CHIP 10K (1005)
R2574	1-208-855-81	s	RES, CHIP 47 (1005)
R2576	1-208-863-81	s	RES, CHIP 100 (1005)
R2577	1-208-863-81	s	RES, CHIP 100 (1005)
R2578	1-208-863-81	s	RES, CHIP 100 (1005)
R2579	1-208-927-81	s	RES, CHIP 47K (1005)
R2580	1-208-863-81	s	RES, CHIP 100 (1005)
R2581	1-208-863-81	s	RES, CHIP 100 (1005)
R2582	1-208-927-81	s	RES, CHIP 47K (1005)
R2583	1-208-863-81	s	RES, CHIP 100 (1005)
R2584	1-208-911-81	s	RES, CHIP 10K (1005)
R2585	1-208-927-81	s	RES, CHIP 47K (1005)
R2586	1-208-899-81	s	RES, CHIP 3.3K (1005)
R2587	1-208-855-81	s	RES, CHIP 47 (1005)
R2588	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2590	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2592	1-208-855-81	s	RES, CHIP 47 (1005)
R2594	1-208-919-81	s	RES, CHIP 22K (1005)
R2595	1-208-863-81	s	RES, CHIP 100 (1005)
R2596	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2597	1-208-911-81	s	RES, CHIP 10K (1005)
R2598	1-208-919-81	s	RES, CHIP 22K (1005)
R2599	1-208-915-81	s	RES, CHIP 15K (1005)
R2600	1-208-955-81	s	RES, CHIP 680K (1005)
R2601	1-208-919-81	s	RES, CHIP 22K (1005)
R2602	1-208-947-81	s	RES, CHIP 330K (1005)
R2603	1-208-863-81	s	RES, CHIP 100 (1005)
R2604	1-208-863-81	s	RES, CHIP 100 (1005)
R2605	1-208-899-81	s	RES, CHIP 3.3K (1005)
R2606	1-208-863-81	s	RES, CHIP 100 (1005)
R2607	1-208-863-81	s	RES, CHIP 100 (1005)
R2608	1-208-863-81	s	RES, CHIP 100 (1005)
R2609	1-208-907-81	s	RES, CHIP 6.8K (1005)
R2611	1-208-927-81	s	RES, CHIP 47K (1005)
R2612	1-208-955-81	s	RES, CHIP 680K (1005)
R2613	1-208-951-81	s	RES, CHIP 470K (1005)
R2614	1-208-863-81	s	RES, CHIP 100 (1005)
R2615	1-208-927-81	s	RES, CHIP 47K (1005)
R2616	1-208-855-81	s	RES, CHIP 47 (1005)
R2617	1-208-911-81	s	RES, CHIP 10K (1005)
R2618	1-208-863-81	s	RES, CHIP 100 (1005)
R2619	1-208-927-81	s	RES, CHIP 47K (1005)
R2620	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2621	1-208-855-81	s	RES, CHIP 47 (1005)
R2622	1-208-939-81	s	RES, CHIP 150K (1005)
R2623	1-208-935-81	s	RES, CHIP 100K (1005)
R2624	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2625	1-208-911-81	s	RES, CHIP 10K (1005)
R2626	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2627	1-208-919-81	s	RES, CHIP 22K (1005)
R2628	1-208-863-81	s	RES, CHIP 100 (1005)
R2629	1-208-863-81	s	RES, CHIP 100 (1005)
R2630	1-208-863-81	s	RES, CHIP 100 (1005)
R2631	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2632	1-208-911-81	s	RES, CHIP 10K (1005)

DPR-337 BOARD**Ref. No.****or Q'ty****Part No.****SP Description**

R2633	1-208-919-81	s	RES, CHIP 22K (1005)
R2634	1-208-915-81	s	RES, CHIP 15K (1005)
R2635	1-208-919-81	s	RES, CHIP 22K (1005)
R2636	1-208-947-81	s	RES, CHIP 330K (1005)
R2637	1-208-899-81	s	RES, CHIP 3.3K (1005)
R2638	1-208-911-81	s	RES, CHIP 10K (1005)
R2639	1-208-911-81	s	RES, CHIP 10K (1005)
R2640	1-208-863-81	s	RES, CHIP 100 (1005)
R2641	1-208-907-81	s	RES, CHIP 6.8K (1005)
R2642	1-208-863-81	s	RES, CHIP 100 (1005)
R2643	1-208-911-81	s	RES, CHIP 10K (1005)
R2644	1-208-863-81	s	RES, CHIP 100 (1005)
R2646	1-208-863-81	s	RES, CHIP 100 (1005)
R2647	1-208-863-81	s	RES, CHIP 100 (1005)
R2648	1-208-863-81	s	RES, CHIP 100 (1005)
R2649	1-208-863-81	s	RES, CHIP 100 (1005)
R2650	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2651	1-208-863-81	s	RES, CHIP 100 (1005)
R2652	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2653	1-208-863-81	s	RES, CHIP 100 (1005)
R2654	1-208-863-81	s	RES, CHIP 100 (1005)
R2656	1-208-863-81	s	RES, CHIP 100 (1005)
R2657	1-208-863-81	s	RES, CHIP 100 (1005)
R2658	1-208-863-81	s	RES, CHIP 100 (1005)
R2659	1-208-863-81	s	RES, CHIP 100 (1005)
R2660	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2661	1-208-863-81	s	RES, CHIP 100 (1005)
R2662	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2663	1-208-863-81	s	RES, CHIP 100 (1005)
R2664	1-208-863-81	s	RES, CHIP 100 (1005)
R2665	1-208-863-81	s	RES, CHIP 100 (1005)
R2666	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2667	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2668	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2669	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2673	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2674	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2675	1-208-919-81	s	RES, CHIP 22K (1005)
R2676	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2677	1-208-923-81	s	RES, CHIP 33K (1005)
R2678	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2679	1-208-927-81	s	RES, CHIP 47K (1005)
R2680	1-208-927-81	s	RES, CHIP 47K (1005)
R2681	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2682	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2683	1-208-863-81	s	RES, CHIP 100 (1005)
R2684	1-208-927-81	s	RES, CHIP 47K (1005)
R2685	1-208-927-81	s	RES, CHIP 47K (1005)
R2686	1-208-911-81	s	RES, CHIP 10K (1005)
R2687	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2688	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2689	1-208-863-81	s	RES, CHIP 100 (1005)
R2690	1-208-911-81	s	RES, CHIP 10K (1005)
R2691	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2692	1-208-935-81	s	RES, CHIP 100K (1005)
R2693	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2694	1-208-911-81	s	RES, CHIP 10K (1005)
R2695	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2696	1-208-911-81	s	RES, CHIP 10K (1005)
R2697	1-208-935-81	s	RES, CHIP 100K (1005)
R2698	1-208-855-81	s	RES, CHIP 47 (1005)
R2701	1-208-911-81	s	RES, CHIP 10K (1005)
R2702	1-208-911-81	s	RES, CHIP 10K (1005)
R2703	1-208-855-81	s	RES, CHIP 47 (1005)
R2705	1-208-863-81	s	RES, CHIP 100 (1005)

DPR-337 BOARD

Ref. No. or Q'ty	Part No.	SP Description
THP118 	1-804-616-21 s	THERMISTOR, POSITIVE
THP120 	1-804-616-21 s	THERMISTOR, POSITIVE
THP121 	1-804-616-21 s	THERMISTOR, POSITIVE
THP122 	1-804-616-21 s	THERMISTOR, POSITIVE
THP200 	1-804-616-21 s	THERMISTOR, POSITIVE
TP2	1-535-877-22 s	CHIP, CHECKER
TP16	1-780-925-11 s	TERMINAL, LUG
TP17	1-780-925-11 s	TERMINAL, LUG
TP18	1-780-925-11 s	TERMINAL, LUG
TP19	1-780-925-11 s	TERMINAL, LUG
TP20	1-780-925-11 s	TERMINAL, LUG
TP300	1-535-877-22 s	CHIP, CHECKER
TP301	1-535-877-22 s	CHIP, CHECKER
TP401	1-535-877-22 s	CHIP, CHECKER
TP402	1-535-877-22 s	CHIP, CHECKER
TP700	1-535-877-22 s	CHIP, CHECKER
TP701	1-535-877-22 s	CHIP, CHECKER
TP1100	1-535-877-22 s	CHIP, CHECKER
TP1101	1-535-877-22 s	CHIP, CHECKER
TP1102	1-535-877-22 s	CHIP, CHECKER
TP1301	1-535-877-22 s	CHIP, CHECKER
TP1302	1-535-877-22 s	CHIP, CHECKER
TP1303	1-535-877-22 s	CHIP, CHECKER
TP1304	1-535-877-22 s	CHIP, CHECKER
TP1305	1-535-877-22 s	CHIP, CHECKER
TP1501	1-535-877-22 s	CHIP, CHECKER
TP1502	1-535-877-22 s	CHIP, CHECKER
TP1503	1-535-877-22 s	CHIP, CHECKER
TP1504	1-535-877-22 s	CHIP, CHECKER
TP1505	1-535-877-22 s	CHIP, CHECKER
TP1506	1-535-877-22 s	CHIP, CHECKER
TP1507	1-535-877-22 s	CHIP, CHECKER
TP1508	1-535-877-22 s	CHIP, CHECKER
TP1801	1-535-877-22 s	CHIP, CHECKER
TP1802	1-535-877-22 s	CHIP, CHECKER
TP2301	1-535-877-22 s	CHIP, CHECKER
TP2302	1-535-877-22 s	CHIP, CHECKER
TP2303	1-535-877-22 s	CHIP, CHECKER
TP2304	1-535-877-22 s	CHIP, CHECKER
TP2305	1-535-877-22 s	CHIP, CHECKER
TP2306	1-535-877-22 s	CHIP, CHECKER
TP2307	1-535-877-22 s	CHIP, CHECKER
TP2501	1-535-877-22 s	CHIP, CHECKER
TP2503	1-535-877-22 s	CHIP, CHECKER
TP2505	1-535-877-22 s	CHIP, CHECKER
X800	1-814-162-11 s	OSCILLATOR (VCO)
X801	1-814-162-11 s	OSCILLATOR (VCO)
X2301	1-813-253-12 s	OSCILLATOR, CRYSTAL (VCXO) 5V
X2501	1-795-764-12 s	OSCILLATOR, CRYSTAL (VCXO) 5V
X2502	1-795-671-12 s	OSCILLATOR, CRYSTAL (VCXO) 3.3V
X2503	1-795-670-12 s	OSCILLATOR, CRYSTAL (VCXO) 3.3V

LED-504 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1846-077-A s	MOUNTED CIRCUIT BOARD, LED-504
ND1	6-503-067-01 s	DI LF-301MKN
ND2	6-503-067-01 s	DI LF-301MKN
ND3	6-503-067-01 s	DI LF-301MKN
ND4	6-503-067-01 s	DI LF-301MKN

LED-504 BOARD

Ref. No. or Q'ty	Part No.	SP Description
ND5	6-503-067-01 s	DI LF-301MKN
ND6	6-503-067-01 s	DI LF-301MKN
1pc	A-1846-078-A s	MOUNTED CIRCUIT BOARD, LED-505
C1	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C2	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C3	1-112-298-91 s	CAP, CERAMIC 1MF B (1608)
CN1	1-778-646-31 s	CONNECTOR, FFC/FPC(ZIF) ST 10P
D1	6-502-598-01 s	DI SML-D12U8WT86
D2	6-502-598-01 s	DI SML-D12U8WT86
D3	6-502-598-01 s	DI SML-D12U8WT86
D4	6-501-358-01 s	DIODE CL-197HG5-CD-T
D5	6-501-358-01 s	DIODE CL-197HG5-CD-T
D6	6-501-358-01 s	DIODE CL-197HG5-CD-T
FB1	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
Q1	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q2	8-729-929-09 s	TRANSISTOR DTC123JE-TL
R1	1-208-883-81 s	RES, CHIP 680 (1005)
R2	1-208-883-81 s	RES, CHIP 680 (1005)
R4	1-208-887-81 s	RES, CHIP 1.0K (1005)

PS-826 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1848-104-A s	MOUNTED CIRCUIT BOARD, PS-826
C1	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C2	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C3	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C4	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C11	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C12	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C13	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C14	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C24	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C25	1-165-467-21 s	CAP, ELECT 47MF 8X10
C26	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C31	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C32	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C33	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C34	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C51	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C52	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C53	1-126-399-21 s	CAP, CHIP ELECT 10MF (5X5.7)
C54	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C55	1-126-399-21 s	CAP, CHIP ELECT 10MF (5X5.7)
C56	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C57	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C58	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C101	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C102	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C103	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012

PS-826 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C104	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C105	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C106	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C108	1-164-936-81 s	CAP, CHIP CERAMIC 680PF B 1005
C109	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C110	1-107-819-81 s	CAP,CHIP CERAMIC 22000PF B1005
C111	1-112-806-11 s	CAP, ELECT 47MF
C112	1-112-806-11 s	CAP, ELECT 47MF
C113	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C114	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C115	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C116	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C117	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C118	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C119	1-114-479-91 s	CAP, CERAMIC 2.2UF B 3225
C120	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C121	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C122	1-165-758-61 s	CAP, ELECT 470MF 105
C123	1-114-479-91 s	CAP, CERAMIC 2.2UF B 3225
C124	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C125	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C126	1-112-317-11 s	CAP, CHIP CERAMIC 0.1MF (2012)
C127	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C128	1-114-479-91 s	CAP, CERAMIC 2.2UF B 3225
C129	1-165-758-61 s	CAP, ELECT 470MF 105
C131	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C132	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C133	1-114-507-11 s	CAP, CERAMIC 1UF X7R
C134	1-114-507-11 s	CAP, CERAMIC 1UF X7R
C135	1-114-507-11 s	CAP, CERAMIC 1UF X7R
C137	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C138	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C139	1-114-479-91 s	CAP, CERAMIC 2.2UF B 3225
C140	1-114-479-91 s	CAP, CERAMIC 2.2UF B 3225
C141	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C142	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C146	1-112-807-11 s	CAP, ELECT 100MF
C147	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C149	1-114-507-11 s	CAP, CERAMIC 1UF X7R
CN1	1-691-959-11 s	PIN, CONNECTOR (PC BOARD) 4P
CN2	1-774-297-21 s	PIN, CONNECTOR (PC BOARD) 7P
CN3	1-560-365-11 s	CONNECTOR POST HEADER,ILG (3P)
CN4	1-770-161-21 s	PIN, CONNECTOR (PC BOARD) 6P
CN5	1-770-627-21 s	PIN, CONNECTOR 10P
D12	6-501-123-01 s	DIODE RB160M-60TR
D101	8-719-991-01 s	DIODE DAP222-TL
D102	8-719-069-28 s	DI 1SS400FJTE61
D103	8-719-069-28 s	DI 1SS400FJTE61
D104	8-719-069-28 s	DI 1SS400FJTE61
E1	1-780-925-11 s	TERMINAL, LUG
E2	1-780-925-11 s	TERMINAL, LUG
E3	1-780-925-11 s	TERMINAL, LUG
E4	1-780-925-11 s	TERMINAL, LUG
FB109	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB110	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB111	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB112	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB113	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB114	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
IC51	6-709-213-01 s	IC NJM2387ADL3 (TE2)
IC101	8-759-337-40 s	IC NJM2904V (TE2)
IC103	8-759-337-40 s	IC NJM2904V (TE2)
L2	1-419-491-21 s	COIL, CHOKE 10UH
L3	1-419-491-21 s	COIL, CHOKE 10UH

PS-826 BOARD

Ref. No. or Q'ty	Part No.	SP Description
L11	1-424-700-21 s	COIL, CHOKE (SMD) 100UH
L12	1-424-700-21 s	COIL, CHOKE (SMD) 100UH
L14	1-424-700-21 s	COIL, CHOKE (SMD) 100UH
L31	1-419-491-21 s	COIL, CHOKE 10UH
L32	1-419-491-21 s	COIL, CHOKE 10UH
L51	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L52	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L53	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L54	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L101	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L103	1-419-491-21 s	COIL, CHOKE 10UH
L104	1-419-491-21 s	COIL, CHOKE 10UH
L105	1-419-491-21 s	COIL, CHOKE 10UH
L106	1-419-491-21 s	COIL, CHOKE 10UH
L107	△ 1-481-902-11 s	INDUCTOR 22UH
PH101	8-749-011-37 s	PHOTO COUPLER TLP181 (BL-TPR)
PH103	8-749-011-37 s	PHOTO COUPLER TLP181 (BL-TPR)
Q12	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q51	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q101	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q102	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q103	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q104	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q106	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q107	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q108	6-550-842-01 s	TRANSISTOR 2SK3377-Z-E2-AZ
Q109	6-550-842-01 s	TRANSISTOR 2SK3377-Z-E2-AZ
Q112	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q113	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q114	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
R17	1-218-977-81 s	RES, CHIP 100K
R18	1-218-977-81 s	RES, CHIP 100K
R51	1-218-953-81 s	RES, CHIP 1.0K
R52	1-218-941-81 s	RES, CHIP 100
R53	1-218-961-81 s	RES, CHIP 4.7K
R54	1-218-961-81 s	RES, CHIP 4.7K
R55	1-218-965-81 s	RES, CHIP 10K 1005
R56	1-218-977-81 s	RES, CHIP 100K
R57	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R60	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R101	1-218-953-81 s	RES, CHIP 1.0K
R102	1-208-895-81 s	RES, CHIP 2.2K (1005)
R103	1-218-977-81 s	RES, CHIP 100K
R104	1-218-977-81 s	RES, CHIP 100K
R105	1-218-973-81 s	RES, CHIP 47K
R106	1-208-911-81 s	RES, CHIP 10K (1005)
R107	1-208-903-81 s	RES, CHIP 4.7K (1005)
R108	1-208-935-81 s	RES, CHIP 100K (1005)
R109	1-218-985-81 s	RES, CHIP 470K
R110	1-218-981-81 s	RES, CHIP 220K
R111	1-208-911-81 s	RES, CHIP 10K (1005)
R112	1-208-903-81 s	RES, CHIP 4.7K (1005)
R113	1-208-911-81 s	RES, CHIP 10K (1005)
R114	1-208-895-81 s	RES, CHIP 2.2K (1005)
R115	1-208-871-81 s	RES, CHIP 220 (1005)
R116	1-208-911-81 s	RES, CHIP 10K (1005)
R117	1-208-927-81 s	RES, CHIP 47K (1005)
R118	1-208-919-81 s	RES, CHIP 22K (1005)
R119	1-208-923-81 s	RES, CHIP 33K (1005)
R120	1-208-911-81 s	RES, CHIP 10K (1005)
R121	1-208-891-81 s	RES, CHIP 1.5K (1005)
R122	1-208-891-81 s	RES, CHIP 1.5K (1005)
R123	1-208-895-81 s	RES, CHIP 2.2K (1005)
R124	1-208-911-81 s	RES, CHIP 10K (1005)

PS-826 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R126	1-208-927-81 s	RES, CHIP 47K (1005)
R127	1-208-939-81 s	RES, CHIP 150K (1005)
R128	1-208-887-81 s	RES, CHIP 1.0K (1005)
R129	1-208-943-81 s	RES, CHIP 220K (1005)
R130	1-218-965-81 s	RES, CHIP 10K 1005
R132	1-208-935-81 s	RES, CHIP 100K (1005)
R133	1-208-935-81 s	RES, CHIP 100K (1005)
R134	1-208-935-81 s	RES, CHIP 100K (1005)
R135	1-208-935-81 s	RES, CHIP 100K (1005)
R136	1-218-929-81 s	RES, CHIP 10
R141	1-219-610-21 s	RES, CHIP (SQUARE TYPE) 0.022
R144	1-208-911-81 s	RES, CHIP 10K (1005)
R145	1-208-895-81 s	RES, CHIP 2.2K (1005)
R146	1-208-911-81 s	RES, CHIP 10K (1005)
R147	1-218-953-81 s	RES, CHIP 1.0K
R148	1-208-911-81 s	RES, CHIP 10K (1005)
R149	1-208-915-81 s	RES, CHIP 15K (1005)
R150	1-218-953-81 s	RES, CHIP 1.0K
R151	1-218-965-81 s	RES, CHIP 10K 1005
R152	1-218-953-81 s	RES, CHIP 1.0K
R153	1-218-957-81 s	RES, CHIP 2.2K
R154	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R156	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R159	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R162	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R164	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R165	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R166	1-218-990-81 s	CONDUCTOR, CHIP (1005)
THP1	△ 1-810-106-91 s	THERMISTOR, POSITIVE LINEAR
THP11	△ 1-802-108-11 s	THERMISTOR, POSITIVE
TP1	1-535-877-22 s	CHIP, CHECKER

SW-1512 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1848-327-A s	MOUNTED CIRCUIT BOARD, SW-1512
C1	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C2	1-114-386-11 s	CAP, NIOBIUM ELECT 100MF 105
C3	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C4	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C5	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C6	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C7	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C9	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C10	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C11	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C12	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C13	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C14	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C15	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C16	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C17	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C18	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C19	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C20	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C21	1-114-582-91 s	CAP, CERAMIC 0.1MF 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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

SW-1512 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C25	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C26	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C27	1-114-582-91 s	CAP, CERAMIC 0.1MF 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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C31	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C32	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C33	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C34	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C35	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF 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	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C39	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C40	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C41	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C42	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C43	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C44	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C45	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C46	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C47	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C48	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C49	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C50	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
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
C63	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C64	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C65	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C66	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C67	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 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
C72	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C73	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C74	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C75	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C76	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C77	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C78	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C79	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C80	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C81	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C82	1-117-142-21 s	CAP, ELECT 0.22MF
C83	1-117-142-21 s	CAP, ELECT 0.22MF
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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C87	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C88	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C89	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C90	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C91	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C92	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C93	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C94	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C95	1-112-298-91 s	CAP, CERAMIC 1MF B (1608)
C96	1-112-298-91 s	CAP, CERAMIC 1MF B (1608)
C97	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005

SW-1512 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C98	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C99	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C102	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C103	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C104	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C105	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C106	1-112-717-91 s	CAP, CERAMIC 1UF 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	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C110	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C111	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C112	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C113	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C114	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C115	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C116	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C117	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C118	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C119	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C120	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C121	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C122	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C123	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
CN1	1-770-625-21 s	PIN, CONNECTOR 8P
CN2	1-843-015-11 s	CONNECTOR, BOARD TO BOARD 60P
CN3	1-778-534-31 s	CONNECTOR, FFC/FPC(ZIF) ST 45P
CN4	1-778-646-31 s	CONNECTOR, FFC/FPC(ZIF) ST 10P
D1	6-501-358-01 s	DIODE CL-197HG5-CD-T
D2	6-502-598-01 s	DI SML-D12U8WT86
D3	6-501-503-01 s	DIODE SO-196SYG-CD-T
D4	6-501-503-01 s	DIODE SO-196SYG-CD-T
D5	6-501-503-01 s	DIODE SO-196SYG-CD-T
D6	6-502-196-01 s	DI SML-D12Y8WT86SP
D7	6-502-598-01 s	DI SML-D12U8WT86
D8	6-501-503-01 s	DIODE SO-196SYG-CD-T
D9	6-502-598-01 s	DI SML-D12U8WT86
D10	6-502-598-01 s	DI SML-D12U8WT86
D11	8-719-991-01 s	DIODE DAP222-TL
E1	1-535-877-22 s	CHIP, CHECKER
E2	1-535-877-22 s	CHIP, CHECKER
E3	1-535-877-22 s	CHIP, CHECKER
EN1	1-480-630-11 s	ENCODER, ROTARY
FB1	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB2	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB3	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB4	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB5	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB6	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB7	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB8	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB9	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB12	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
IC1	6-714-067-01 s	IC PCA9555DB-T
IC2	6-714-067-01 s	IC PCA9555DB-T
IC3	6-711-237-01 s	IC NJM2878F3-33 (TE2)
IC4	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC5	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC6	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC7	6-706-906-01 s	IC NJM2732RB1 (TE2)
IC8	6-714-067-01 s	IC PCA9555DB-T
IC9	6-714-067-01 s	IC PCA9555DB-T

SW-1512 BOARD

Ref. No. or Q'ty	Part No.	SP Description
IC11	6-714-067-01 s	IC PCA9555DB-T
IC12	6-710-944-01 s	IC TC74VHC573FK (EL,K)
IC13	6-710-944-01 s	IC TC74VHC573FK (EL,K)
IC14	6-710-944-01 s	IC TC74VHC573FK (EL,K)
IC15	6-710-944-01 s	IC TC74VHC573FK (EL,K)
IC16	6-710-944-01 s	IC TC74VHC573FK (EL,K)
IC17	6-710-944-01 s	IC TC74VHC573FK (EL,K)
IC18	6-706-482-01 s	IC TC7SH00FU
IC19	8-759-422-21 s	IC NJM4580V (TE2)
L1	1-419-630-21 s	COIL, CHOKE 4.7UH
L2	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L3	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
Q1	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q2	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q3	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q4	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q5	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q6	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q7	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q8	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q9	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q10	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q11	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q12	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q13	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q14	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q15	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q16	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q17	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q18	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q19	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q20	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q21	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q22	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q23	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q24	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q25	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q26	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q27	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q28	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q29	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q30	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q31	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q32	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q33	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q34	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q35	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q36	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q37	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q38	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q39	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q40	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q41	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q42	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q43	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q45	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q46	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q47	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q48	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q49	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q50	8-729-231-96 s	TRANSISTOR 2SK880GR-TE85L
Q51	8-729-231-96 s	TRANSISTOR 2SK880GR-TE85L
Q52	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q53	8-729-929-09 s	TRANSISTOR DTC123JE-TL

SW-1512 BOARD

Ref. No. or Q'ty	Part No.	SP Description
Q54	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q55	6-551-042-01 s	TR RN4905
Q56	6-551-042-01 s	TR RN4905
Q57	6-551-042-01 s	TR RN4905
Q58	6-551-042-01 s	TR RN4905
Q59	6-551-042-01 s	TR RN4905
Q60	6-551-042-01 s	TR RN4905
Q61	6-551-042-01 s	TR RN4905
Q62	6-551-042-01 s	TR RN4905
Q63	6-551-042-01 s	TR RN4905
Q64	6-551-042-01 s	TR RN4905
Q65	6-551-042-01 s	TR RN4905
Q66	6-551-042-01 s	TR RN4905
Q67	6-551-042-01 s	TR RN4905
Q68	6-551-042-01 s	TR RN4905
Q69	6-551-042-01 s	TR RN4905
Q70	6-551-042-01 s	TR RN4905
Q71	6-551-042-01 s	TR RN4905
Q72	6-551-042-01 s	TR RN4905
Q73	6-551-042-01 s	TR RN4905
Q74	6-551-042-01 s	TR RN4905
Q75	6-551-042-01 s	TR RN4905
Q76	6-551-042-01 s	TR RN4905
Q77	6-551-042-01 s	TR RN4905
Q78	6-551-042-01 s	TR RN4905
Q79	6-551-042-01 s	TR RN4905
Q80	6-551-042-01 s	TR RN4905
Q81	6-551-042-01 s	TR RN4905
Q82	6-551-042-01 s	TR RN4905
Q83	6-551-042-01 s	TR RN4905
Q84	6-551-042-01 s	TR RN4905
Q85	6-551-042-01 s	TR RN4905
Q86	6-551-042-01 s	TR RN4905
Q87	6-551-042-01 s	TR RN4905
Q88	6-551-042-01 s	TR RN4905
Q89	6-551-042-01 s	TR RN4905
Q90	6-551-042-01 s	TR RN4905
Q91	6-551-042-01 s	TR RN4905
Q92	6-551-042-01 s	TR RN4905
Q93	6-551-042-01 s	TR RN4905
Q94	6-551-042-01 s	TR RN4905
Q95	6-551-042-01 s	TR RN4905
Q96	6-551-042-01 s	TR RN4905
Q97	6-551-042-01 s	TR RN4905
Q98	6-551-042-01 s	TR RN4905
Q99	6-551-042-01 s	TR RN4905
Q100	6-551-042-01 s	TR RN4905
Q101	6-551-042-01 s	TR RN4905
Q102	6-551-042-01 s	TR RN4905
R1	1-208-919-81 s	RES, CHIP 22K (1005)
R2	1-208-919-81 s	RES, CHIP 22K (1005)
R3	1-208-919-81 s	RES, CHIP 22K (1005)
R4	1-208-919-81 s	RES, CHIP 22K (1005)
R5	1-208-855-81 s	RES, CHIP 47 (1005)
R6	1-208-855-81 s	RES, CHIP 47 (1005)
R7	1-208-855-81 s	RES, CHIP 47 (1005)
R8	1-208-855-81 s	RES, CHIP 47 (1005)
R9	1-208-895-81 s	RES, CHIP 2.2K (1005)
R10	1-208-887-81 s	RES, CHIP 1.0K (1005)
R11	1-208-875-81 s	RES, CHIP 330 (1005)
R12	1-208-875-81 s	RES, CHIP 330 (1005)
R13	1-208-883-81 s	RES, CHIP 680 (1005)
R14	1-208-879-81 s	RES, CHIP 470 (1005)
R15	1-208-879-81 s	RES, CHIP 470 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R17	1-208-875-81 s	RES, CHIP 330 (1005)
R19	1-208-883-81 s	RES, CHIP 680 (1005)
R21	1-208-879-81 s	RES, CHIP 470 (1005)
R22	1-208-863-81 s	RES, CHIP 100 (1005)
R23	1-208-863-81 s	RES, CHIP 100 (1005)
R24	1-208-879-81 s	RES, CHIP 470 (1005)
R27	1-208-875-81 s	RES, CHIP 330 (1005)
R29	1-208-879-81 s	RES, CHIP 470 (1005)
R31	1-208-875-81 s	RES, CHIP 330 (1005)
R32	1-208-879-81 s	RES, CHIP 470 (1005)
R35	1-208-875-81 s	RES, CHIP 330 (1005)
R36	1-208-875-81 s	RES, CHIP 330 (1005)
R38	1-208-875-81 s	RES, CHIP 330 (1005)
R39	1-208-883-81 s	RES, CHIP 680 (1005)
R40	1-208-879-81 s	RES, CHIP 470 (1005)
R41	1-208-879-81 s	RES, CHIP 470 (1005)
R43	1-208-875-81 s	RES, CHIP 330 (1005)
R44	1-208-879-81 s	RES, CHIP 470 (1005)
R46	1-208-863-81 s	RES, CHIP 100 (1005)
R47	1-208-863-81 s	RES, CHIP 100 (1005)
R49	1-208-875-81 s	RES, CHIP 330 (1005)
R51	1-208-875-81 s	RES, CHIP 330 (1005)
R52	1-208-879-81 s	RES, CHIP 470 (1005)
R55	1-208-871-81 s	RES, CHIP 220 (1005)
R57	1-208-875-81 s	RES, CHIP 330 (1005)
R59	1-208-879-81 s	RES, CHIP 470 (1005)
R60	1-208-879-81 s	RES, CHIP 470 (1005)
R63	1-208-875-81 s	RES, CHIP 330 (1005)
R65	1-208-875-81 s	RES, CHIP 330 (1005)
R67	1-208-863-81 s	RES, CHIP 100 (1005)
R68	1-208-863-81 s	RES, CHIP 100 (1005)
R69	1-208-879-81 s	RES, CHIP 470 (1005)
R70	1-208-879-81 s	RES, CHIP 470 (1005)
R73	1-208-875-81 s	RES, CHIP 330 (1005)
R74	1-208-875-81 s	RES, CHIP 330 (1005)
R77	1-208-879-81 s	RES, CHIP 470 (1005)
R78	1-208-879-81 s	RES, CHIP 470 (1005)
R81	1-208-875-81 s	RES, CHIP 330 (1005)
R82	1-208-875-81 s	RES, CHIP 330 (1005)
R85	1-208-879-81 s	RES, CHIP 470 (1005)
R87	1-208-875-81 s	RES, CHIP 330 (1005)
R89	1-208-863-81 s	RES, CHIP 100 (1005)
R90	1-208-863-81 s	RES, CHIP 100 (1005)
R91	1-208-879-81 s	RES, CHIP 470 (1005)
R93	1-208-875-81 s	RES, CHIP 330 (1005)
R95	1-208-887-81 s	RES, CHIP 1.0K (1005)
R96	1-208-887-81 s	RES, CHIP 1.0K (1005)
R97	1-208-887-81 s	RES, CHIP 1.0K (1005)
R98	1-208-879-81 s	RES, CHIP 470 (1005)
R100	1-208-875-81 s	RES, CHIP 330 (1005)
R101	1-208-887-81 s	RES, CHIP 1.0K (1005)
R102	1-208-887-81 s	RES, CHIP 1.0K (1005)
R103	1-208-887-81 s	RES, CHIP 1.0K (1005)
R104	1-208-887-81 s	RES, CHIP 1.0K (1005)
R105	1-208-887-81 s	RES, CHIP 1.0K (1005)
R106	1-208-887-81 s	RES, CHIP 1.0K (1005)
R107	1-208-887-81 s	RES, CHIP 1.0K (1005)
R108	1-208-887-81 s	RES, CHIP 1.0K (1005)
R110	1-208-879-81 s	RES, CHIP 470 (1005)
R112	1-208-875-81 s	RES, CHIP 330 (1005)
R113	1-208-863-81 s	RES, CHIP 100 (1005)
R114	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	1-208-863-81 s	RES, CHIP 100 (1005)

SW-1512 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R119	1-208-863-81 s	RES, CHIP 100 (1005)
R120	1-208-863-81 s	RES, CHIP 100 (1005)
R121	1-208-863-81 s	RES, CHIP 100 (1005)
R122	1-208-863-81 s	RES, CHIP 100 (1005)
R123	1-208-863-81 s	RES, CHIP 100 (1005)
R124	1-208-919-81 s	RES, CHIP 22K (1005)
R125	1-208-863-81 s	RES, CHIP 100 (1005)
R126	1-208-863-81 s	RES, CHIP 100 (1005)
R127	1-208-919-81 s	RES, CHIP 22K (1005)
R128	1-208-855-81 s	RES, CHIP 47 (1005)
R129	1-208-855-81 s	RES, CHIP 47 (1005)
R130	1-208-863-81 s	RES, CHIP 100 (1005)
R131	1-208-863-81 s	RES, CHIP 100 (1005)
R132	1-208-863-81 s	RES, CHIP 100 (1005)
R133	1-208-863-81 s	RES, CHIP 100 (1005)
R137	1-208-887-81 s	RES, CHIP 1.0K (1005)
R138	1-208-887-81 s	RES, CHIP 1.0K (1005)
R139	1-208-887-81 s	RES, CHIP 1.0K (1005)
R140	1-208-887-81 s	RES, CHIP 1.0K (1005)
R141	1-208-887-81 s	RES, CHIP 1.0K (1005)
R142	1-208-887-81 s	RES, CHIP 1.0K (1005)
R150	1-208-919-81 s	RES, CHIP 22K (1005)
R151	1-208-919-81 s	RES, CHIP 22K (1005)
R152	1-208-855-81 s	RES, CHIP 47 (1005)
R153	1-208-855-81 s	RES, CHIP 47 (1005)
R154	1-208-879-81 s	RES, CHIP 470 (1005)
R155	1-208-879-81 s	RES, CHIP 470 (1005)
R156	1-208-879-81 s	RES, CHIP 470 (1005)
R157	1-208-879-81 s	RES, CHIP 470 (1005)
R158	1-208-879-81 s	RES, CHIP 470 (1005)
R159	1-208-879-81 s	RES, CHIP 470 (1005)
R160	1-208-879-81 s	RES, CHIP 470 (1005)
R161	1-208-879-81 s	RES, CHIP 470 (1005)
R162	1-208-871-81 s	RES, CHIP 220 (1005)
R163	1-208-871-81 s	RES, CHIP 220 (1005)
R164	1-208-871-81 s	RES, CHIP 220 (1005)
R168	1-208-935-81 s	RES, CHIP 100K (1005)
R169	1-208-935-81 s	RES, CHIP 100K (1005)
R170	1-208-895-81 s	RES, CHIP 2.2K (1005)
R171	1-208-895-81 s	RES, CHIP 2.2K (1005)
R172	1-208-919-81 s	RES, CHIP 22K (1005)
R173	1-208-895-81 s	RES, CHIP 2.2K (1005)
R174	1-208-863-81 s	RES, CHIP 100 (1005)
R175	1-208-919-81 s	RES, CHIP 22K (1005)
R176	1-208-895-81 s	RES, CHIP 2.2K (1005)
R177	1-208-895-81 s	RES, CHIP 2.2K (1005)
R178	1-208-895-81 s	RES, CHIP 2.2K (1005)
R179	1-208-919-81 s	RES, CHIP 22K (1005)
R180	1-208-919-81 s	RES, CHIP 22K (1005)
R181	1-208-919-81 s	RES, CHIP 22K (1005)
R182	1-208-919-81 s	RES, CHIP 22K (1005)
R183	1-208-919-81 s	RES, CHIP 22K (1005)
R184	1-208-895-81 s	RES, CHIP 2.2K (1005)
R185	1-220-882-81 s	RES, CHIP 33 (1005)
R186	1-220-882-81 s	RES, CHIP 33 (1005)
R187	1-243-975-81 s	RES, CHIP 4.7M (1005)
R188	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R189	1-208-895-81 s	RES, CHIP 2.2K (1005)
R190	1-243-975-81 s	RES, CHIP 4.7M (1005)
R191	1-220-882-81 s	RES, CHIP 33 (1005)
R192	1-208-863-81 s	RES, CHIP 100 (1005)
R193	1-243-975-81 s	RES, CHIP 4.7M (1005)
R194	1-208-911-81 s	RES, CHIP 10K (1005)
R195	1-208-911-81 s	RES, CHIP 10K (1005)
R196	1-208-935-81 s	RES, CHIP 100K (1005)

SW-1512 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R197	1-208-935-81 s	RES, CHIP 100K (1005)
R198	1-220-882-81 s	RES, CHIP 33 (1005)
R199	1-220-882-81 s	RES, CHIP 33 (1005)
R200	1-208-871-81 s	RES, CHIP 220 (1005)
R201	1-208-871-81 s	RES, CHIP 220 (1005)
R202	1-208-919-81 s	RES, CHIP 22K (1005)
R203	1-208-919-81 s	RES, CHIP 22K (1005)
R204	1-208-855-81 s	RES, CHIP 47 (1005)
R205	1-208-855-81 s	RES, CHIP 47 (1005)
R206	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R207	1-208-955-81 s	RES, CHIP 680K (1005)
R208	1-208-887-81 s	RES, CHIP 1.0K (1005)
R209	1-208-887-81 s	RES, CHIP 1.0K (1005)
R210	1-208-883-81 s	RES, CHIP 680 (1005)
R212	1-208-883-81 s	RES, CHIP 680 (1005)
R214	1-208-883-81 s	RES, CHIP 680 (1005)
R216	1-208-883-81 s	RES, CHIP 680 (1005)
R218	1-208-883-81 s	RES, CHIP 680 (1005)
R220	1-208-883-81 s	RES, CHIP 680 (1005)
R222	1-208-883-81 s	RES, CHIP 680 (1005)
R224	1-208-883-81 s	RES, CHIP 680 (1005)
R226	1-208-887-81 s	RES, CHIP 1.0K (1005)
R227	1-208-883-81 s	RES, CHIP 680 (1005)
R229	1-208-883-81 s	RES, CHIP 680 (1005)
R231	1-208-883-81 s	RES, CHIP 680 (1005)
R233	1-208-883-81 s	RES, CHIP 680 (1005)
R235	1-208-883-81 s	RES, CHIP 680 (1005)
R237	1-208-883-81 s	RES, CHIP 680 (1005)
R239	1-208-883-81 s	RES, CHIP 680 (1005)
R241	1-208-883-81 s	RES, CHIP 680 (1005)
R243	1-208-887-81 s	RES, CHIP 1.0K (1005)
R244	1-208-883-81 s	RES, CHIP 680 (1005)
R246	1-208-883-81 s	RES, CHIP 680 (1005)
R248	1-208-883-81 s	RES, CHIP 680 (1005)
R250	1-208-883-81 s	RES, CHIP 680 (1005)
R252	1-208-883-81 s	RES, CHIP 680 (1005)
R254	1-208-883-81 s	RES, CHIP 680 (1005)
R256	1-208-883-81 s	RES, CHIP 680 (1005)
R258	1-208-883-81 s	RES, CHIP 680 (1005)
R260	1-208-887-81 s	RES, CHIP 1.0K (1005)
R261	1-208-883-81 s	RES, CHIP 680 (1005)
R263	1-208-883-81 s	RES, CHIP 680 (1005)
R265	1-208-883-81 s	RES, CHIP 680 (1005)
R267	1-208-883-81 s	RES, CHIP 680 (1005)
R269	1-208-883-81 s	RES, CHIP 680 (1005)
R271	1-208-883-81 s	RES, CHIP 680 (1005)
R273	1-208-883-81 s	RES, CHIP 680 (1005)
R275	1-208-883-81 s	RES, CHIP 680 (1005)
R277	1-208-887-81 s	RES, CHIP 1.0K (1005)
R278	1-208-883-81 s	RES, CHIP 680 (1005)
R280	1-208-883-81 s	RES, CHIP 680 (1005)
R282	1-208-883-81 s	RES, CHIP 680 (1005)
R284	1-208-883-81 s	RES, CHIP 680 (1005)
R286	1-208-883-81 s	RES, CHIP 680 (1005)
R288	1-208-883-81 s	RES, CHIP 680 (1005)
R290	1-208-883-81 s	RES, CHIP 680 (1005)
R292	1-208-883-81 s	RES, CHIP 680 (1005)
R294	1-208-887-81 s	RES, CHIP 1.0K (1005)
R295	1-208-883-81 s	RES, CHIP 680 (1005)
R297	1-208-883-81 s	RES, CHIP 680 (1005)
R299	1-208-883-81 s	RES, CHIP 680 (1005)
R301	1-208-883-81 s	RES, CHIP 680 (1005)
R303	1-208-883-81 s	RES, CHIP 680 (1005)
R305	1-208-883-81 s	RES, CHIP 680 (1005)
R307	1-208-883-81 s	RES, CHIP 680 (1005)

SW-1512 BOARD

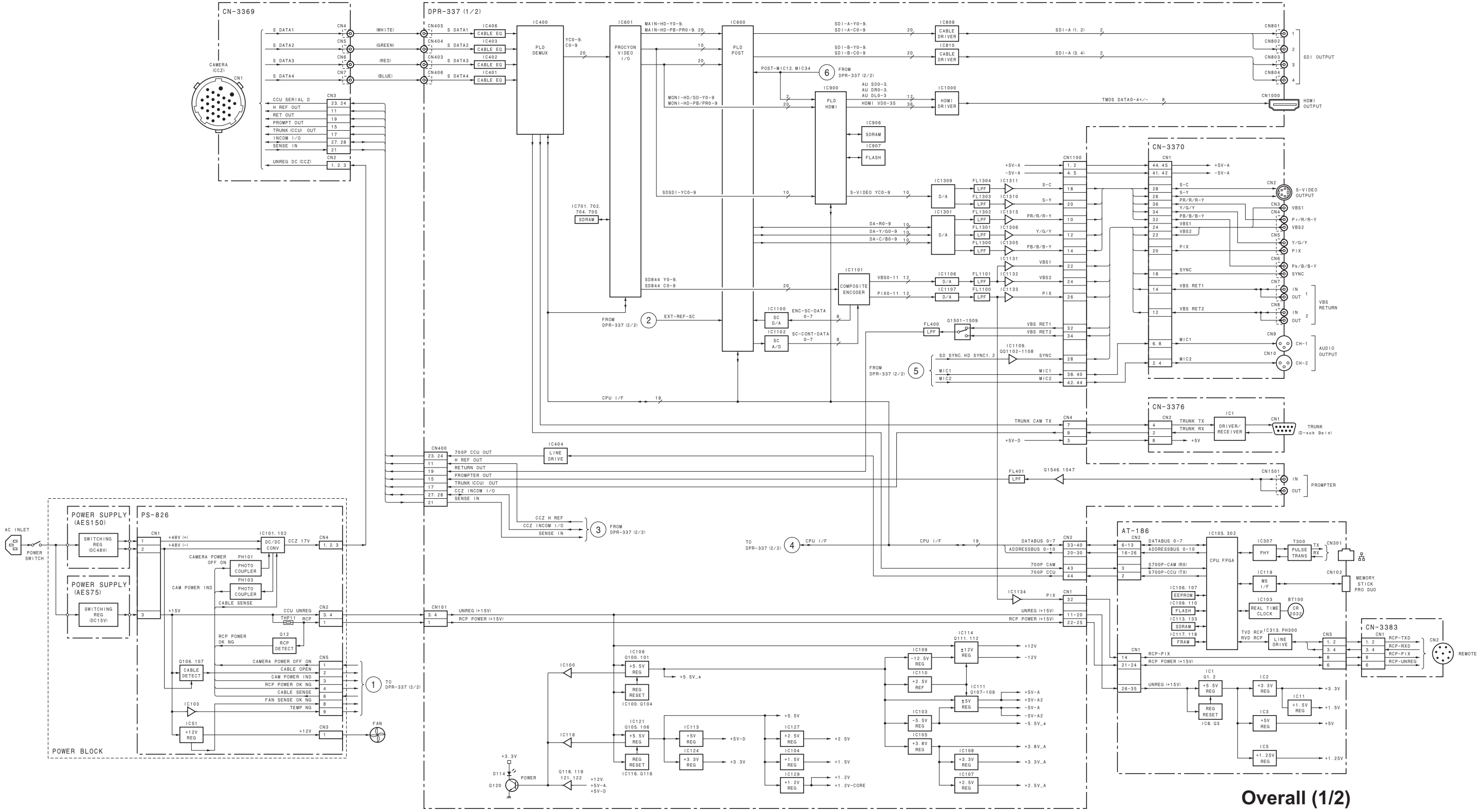
Ref. No. or Q'ty	Part No.	SP Description
R309	1-208-883-81 s	RES, CHIP 680 (1005)
R311	1-208-879-81 s	RES, CHIP 470 (1005)
R312	1-208-879-81 s	RES, CHIP 470 (1005)
R313	1-208-879-81 s	RES, CHIP 470 (1005)
R314	1-208-879-81 s	RES, CHIP 470 (1005)
R315	1-208-879-81 s	RES, CHIP 470 (1005)
R316	1-208-879-81 s	RES, CHIP 470 (1005)
R318	1-208-871-81 s	RES, CHIP 220 (1005)
RB1	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB2	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB3	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB10	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RV1	1-225-488-11 s	RES, VAR, CARBON 10K
RV2	1-227-562-11 s	RES, VAR, CARBON 10K
RV3	1-227-562-11 s	RES, VAR, CARBON 10K
RV4	1-227-562-11 s	RES, VAR, CARBON 10K
RV5	1-227-562-11 s	RES, VAR, CARBON 10K
RV6	1-227-562-11 s	RES, VAR, CARBON 10K
RV7	1-227-562-11 s	RES, VAR, CARBON 10K
RV8	1-238-255-21 s	RES, VAR, CARBON 10K
S1	1-798-387-11 s	SWITCH, TACTILE (ILLUMINATED)
S2	1-798-386-11 s	SWITCH, TACTILE (ILLUMINATED)
S3	1-798-385-11 s	SWITCH, TACTILE (ILLUMINATED)
S4	1-798-387-11 s	SWITCH, TACTILE (ILLUMINATED)
S5	1-798-385-11 s	SWITCH, TACTILE (ILLUMINATED)
S6	1-798-385-11 s	SWITCH, TACTILE (ILLUMINATED)
S7	1-798-385-11 s	SWITCH, TACTILE (ILLUMINATED)
S8	1-798-385-11 s	SWITCH, TACTILE (ILLUMINATED)
S9	1-798-385-11 s	SWITCH, TACTILE (ILLUMINATED)
S10	1-798-385-11 s	SWITCH, TACTILE (ILLUMINATED)
S11	1-798-385-11 s	SWITCH, TACTILE (ILLUMINATED)
S12	1-762-531-21 s	SWITCH, TOGGLE
S13	1-762-531-21 s	SWITCH, TOGGLE
S14	1-762-531-21 s	SWITCH, TOGGLE
S15	1-762-123-21 s	SWITCH, TOGGLE
S17	1-762-531-21 s	SWITCH, TOGGLE
S18	1-762-531-21 s	SWITCH, TOGGLE
S19	1-571-083-21 s	SWITCH, SLIDE
S20	1-762-122-21 s	SWITCH, TOGGLE

7-4. Supplied Accessories

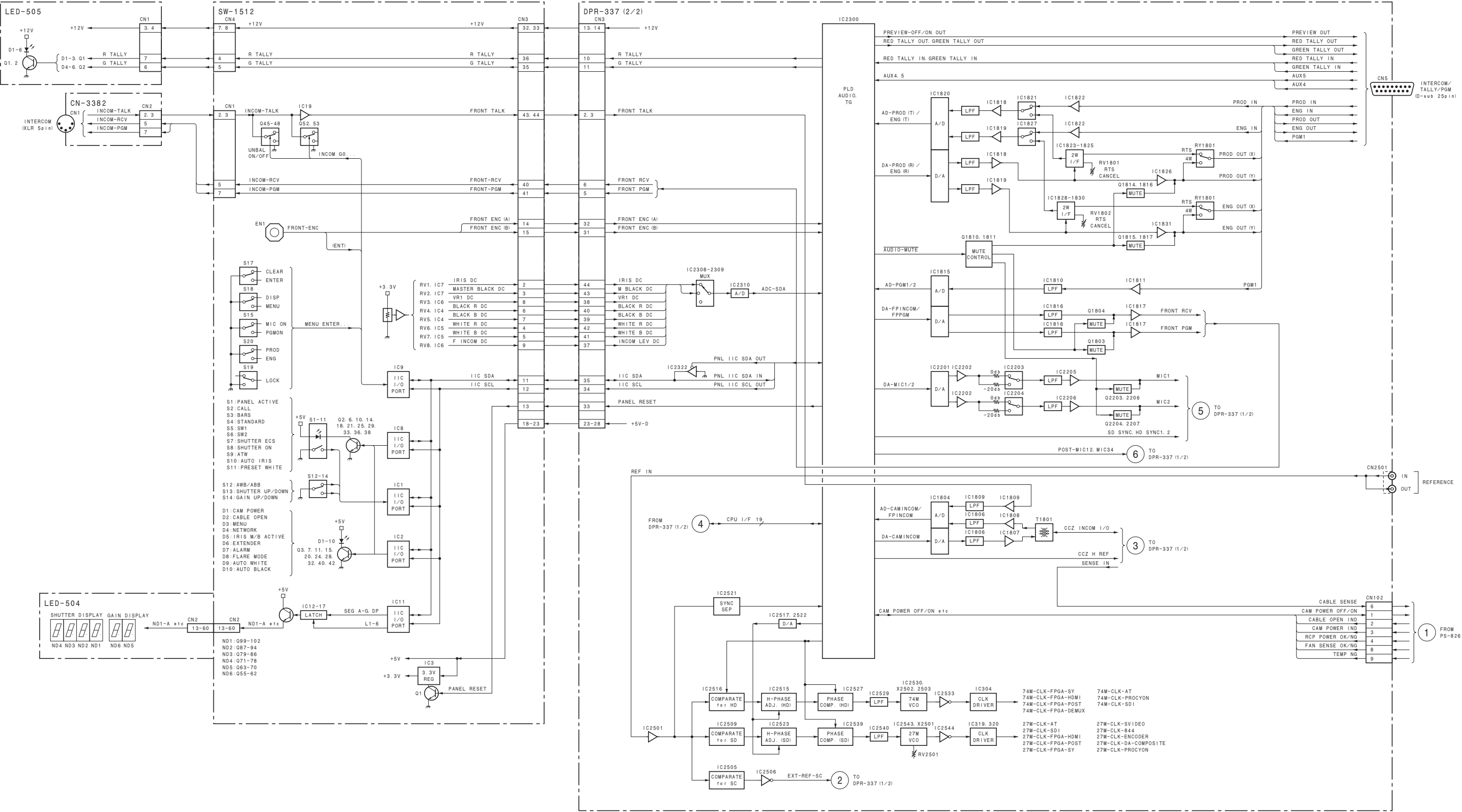
Q'ty	Part No.	SP Description
1pc	2-249-307-01	s INDICATOR, REMOTE
1pc	 4-291-689-01	s OPERATING INSTRUCTIONS (JAPANESE)
1pc	 4-291-689-11	s OPERATING INSTRUCTIONS (ENGLISH)

Section 8
Block Diagrams

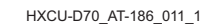
Overall
Overall (1/2)

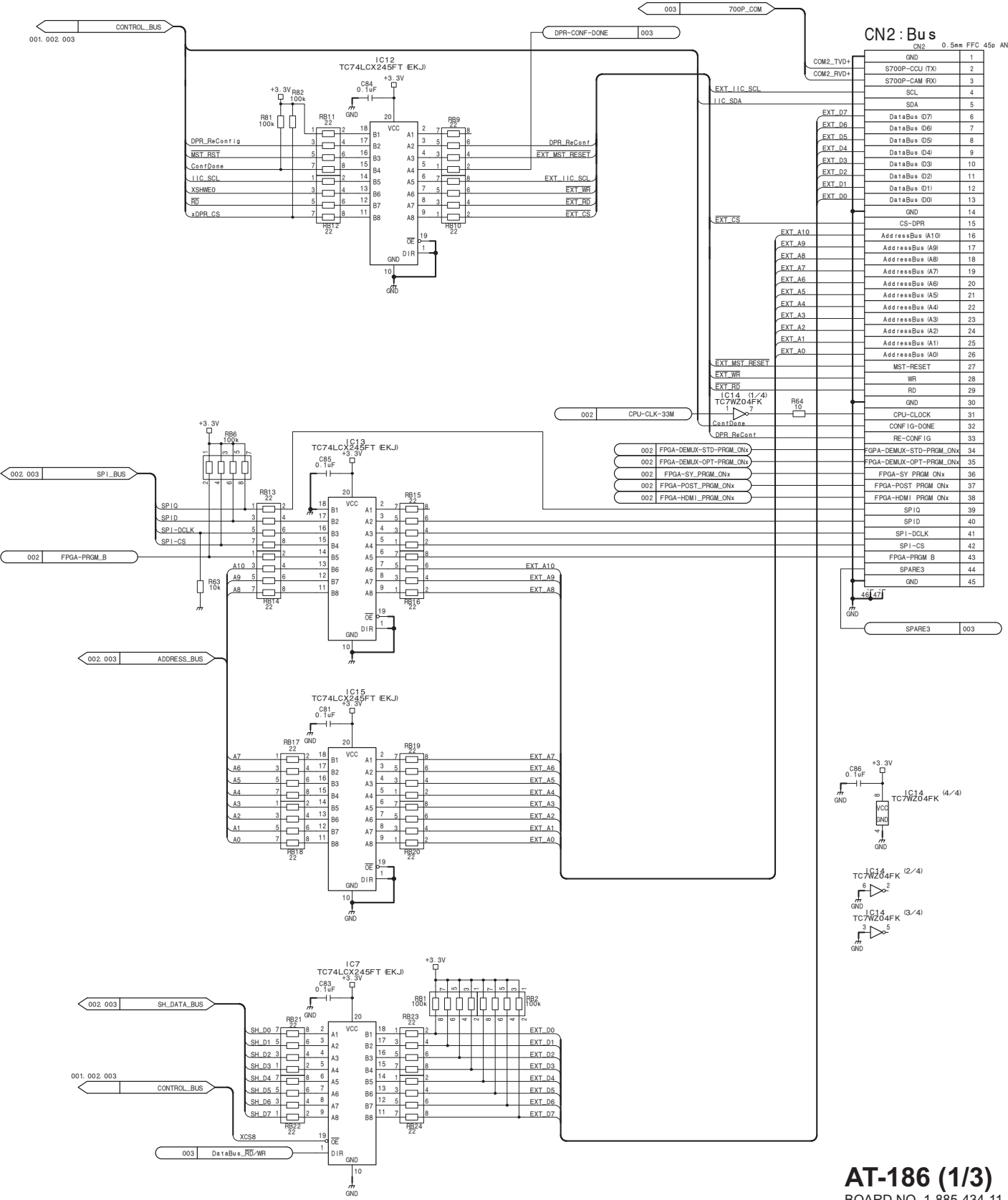
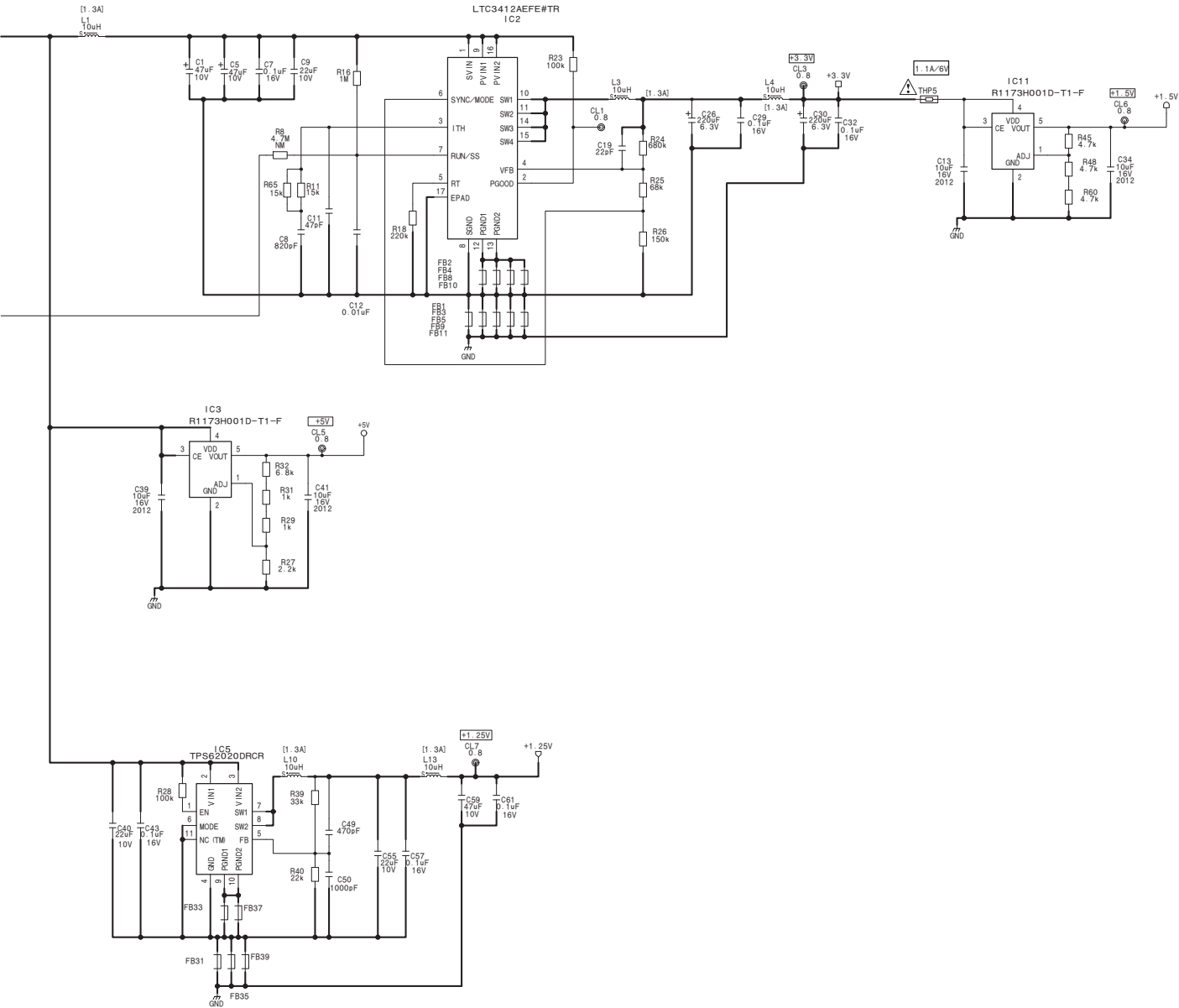


Overall (1/2)



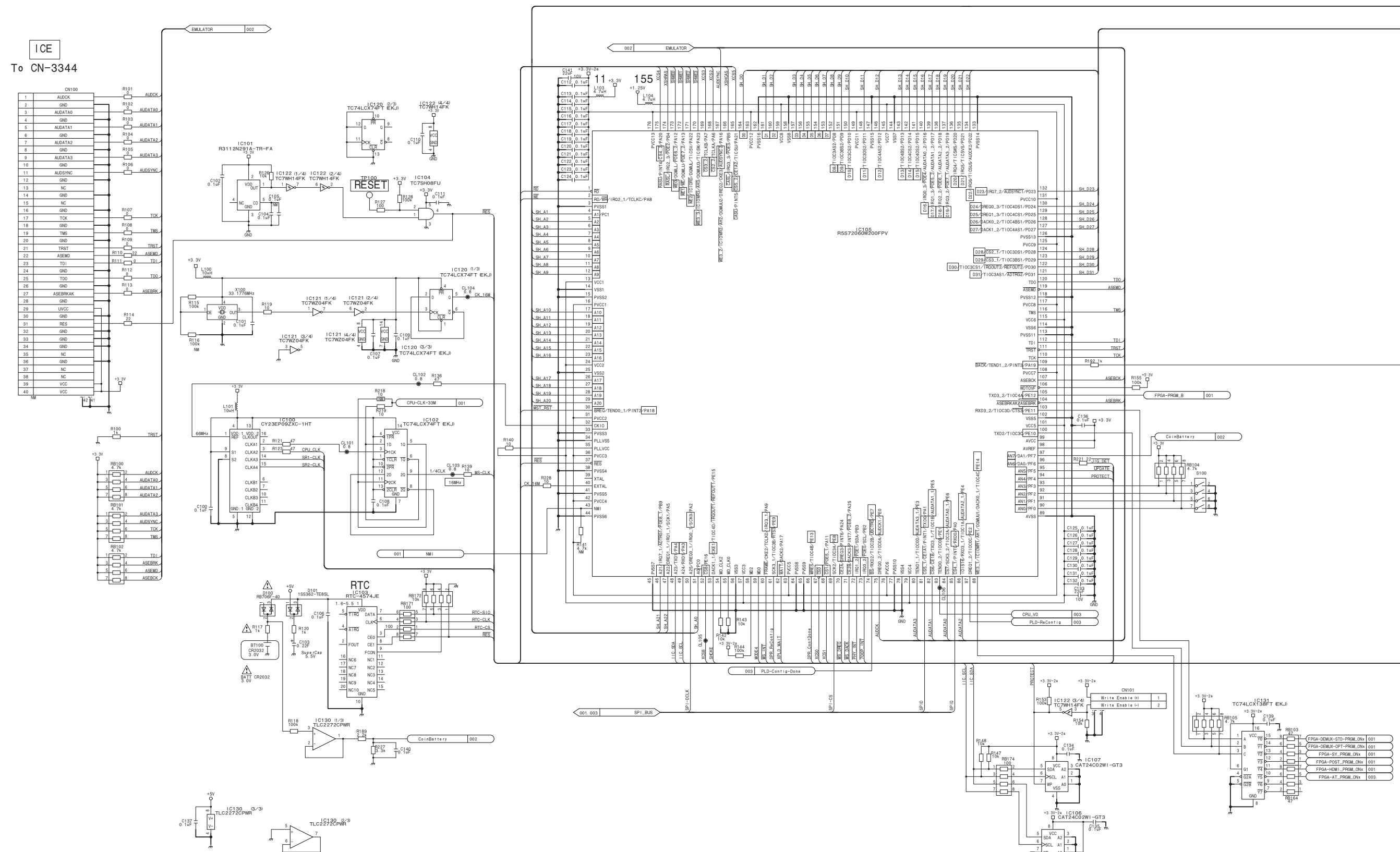
AT-186
AT-186 (1/3)_L

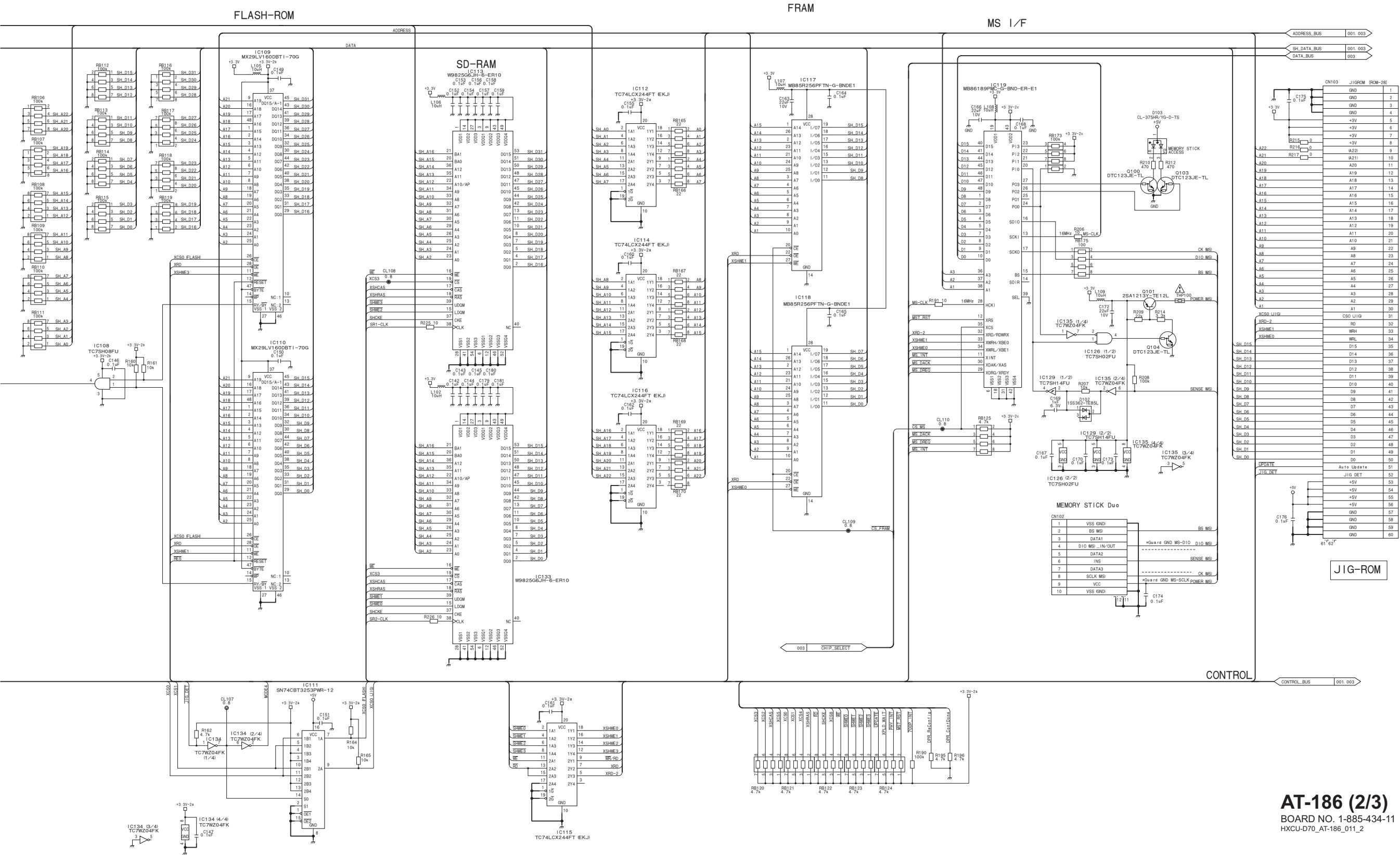




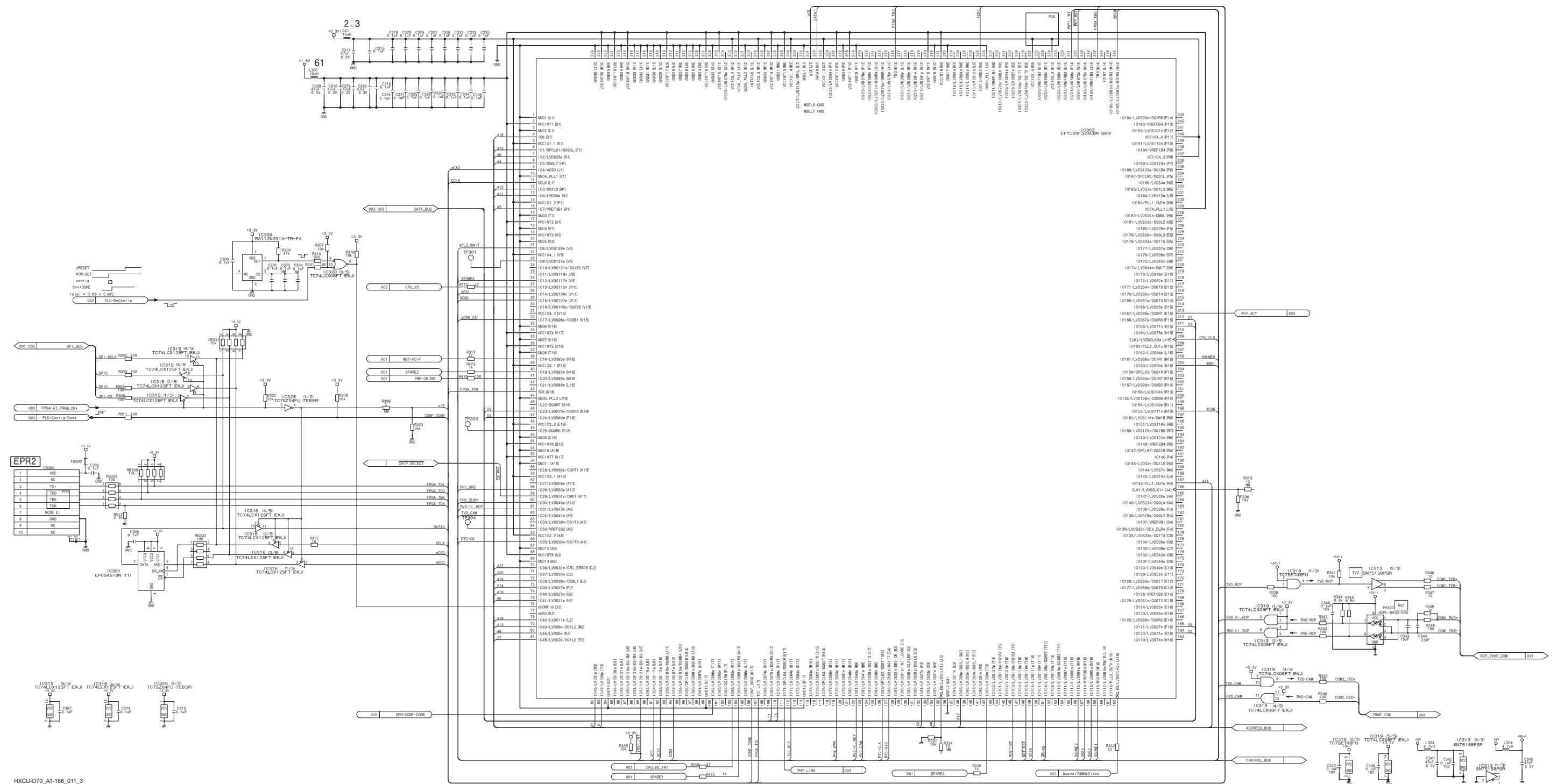
AT-186 (1/3)
BOARD NO. 1-885-434-11
HXCU-D70_AT-186_011_1

AT-186 (2/3)_L

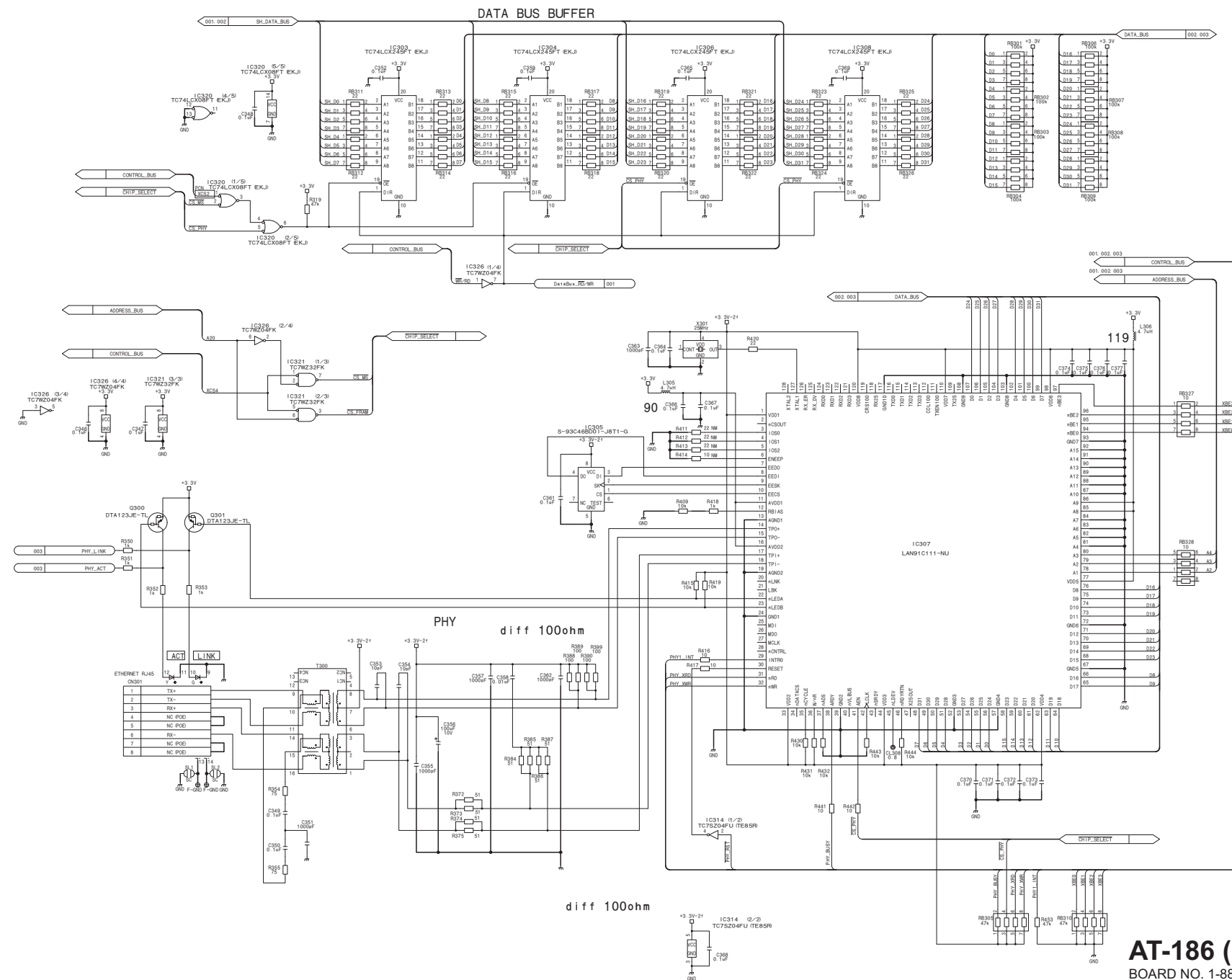




AT-186 (3/3)_L



AT-186 (3/3)_R

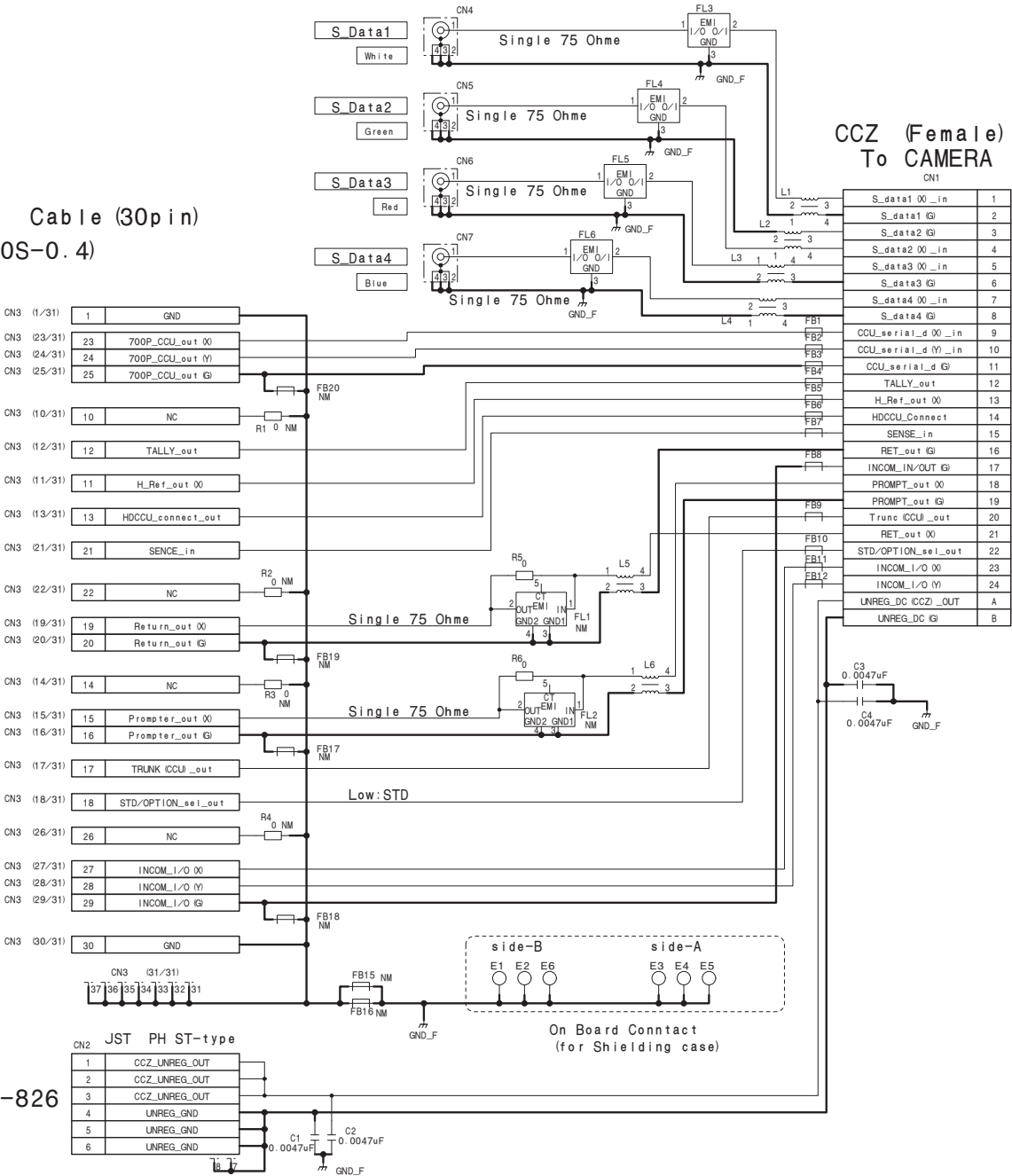


AT-186 (3/3)
BOARD NO. 1-885-434-11
HXCU-D70_AT-186_011_3

CN-3369

Multi Coaxial Cable (30pin)
(HRS DF36A-30S-0.4)
To DPR-337

CN3 (2/31)	2	NC
CN3 (3/31)	3	NC
CN3 (4/31)	4	NC
CN3 (5/31)	5	NC
CN3 (6/31)	6	NC
CN3 (7/31)	7	NC
CN3 (8/31)	8	NC
CN3 (9/31)	9	NC

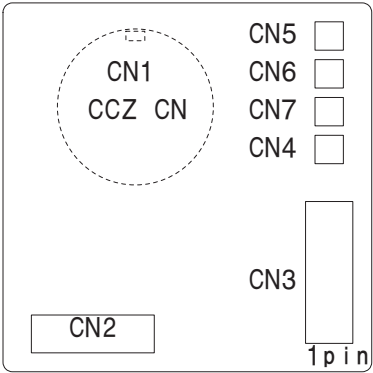


From PS-826

CCZ (Female)
To CAMERA

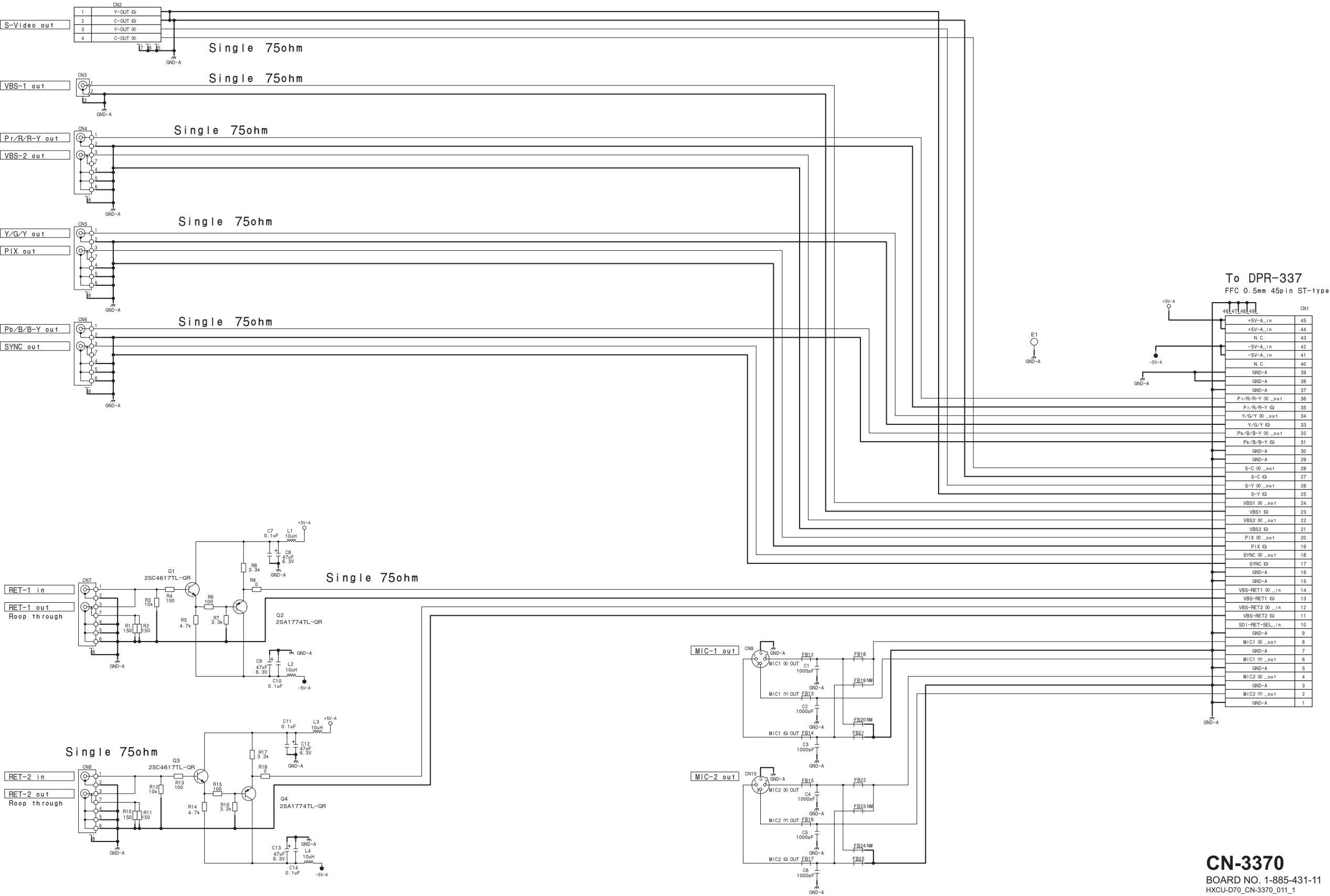
CN1	
S_data1_00_in	1
S_data1_GI	2
S_data2_GI	3
S_data2_00_in	4
S_data3_00_in	5
S_data3_GI	6
S_data4_00_in	7
S_data4_GI	8
CCU_serial_d_00_in	9
CCU_serial_d_Y_in	10
CCU_serial_d_GI	11
TALLY_out	12
H_Ref_out_00	13
HDCCU_Connect	14
SENSE_in	15
RET_out_GI	16
INCOM_IN/OUT_GI	17
PROMPT_out_00	18
PROMPT_out_GI	19
Trunc_CCU_out	20
RET_out_00	21
STD/OPTION_sel_out	22
INCOM_I/O_00	23
INCOM_I/O_Y	24
UNREG_DC (CCZ)_OUT	A
UNREG_DC_GI	B

B side View



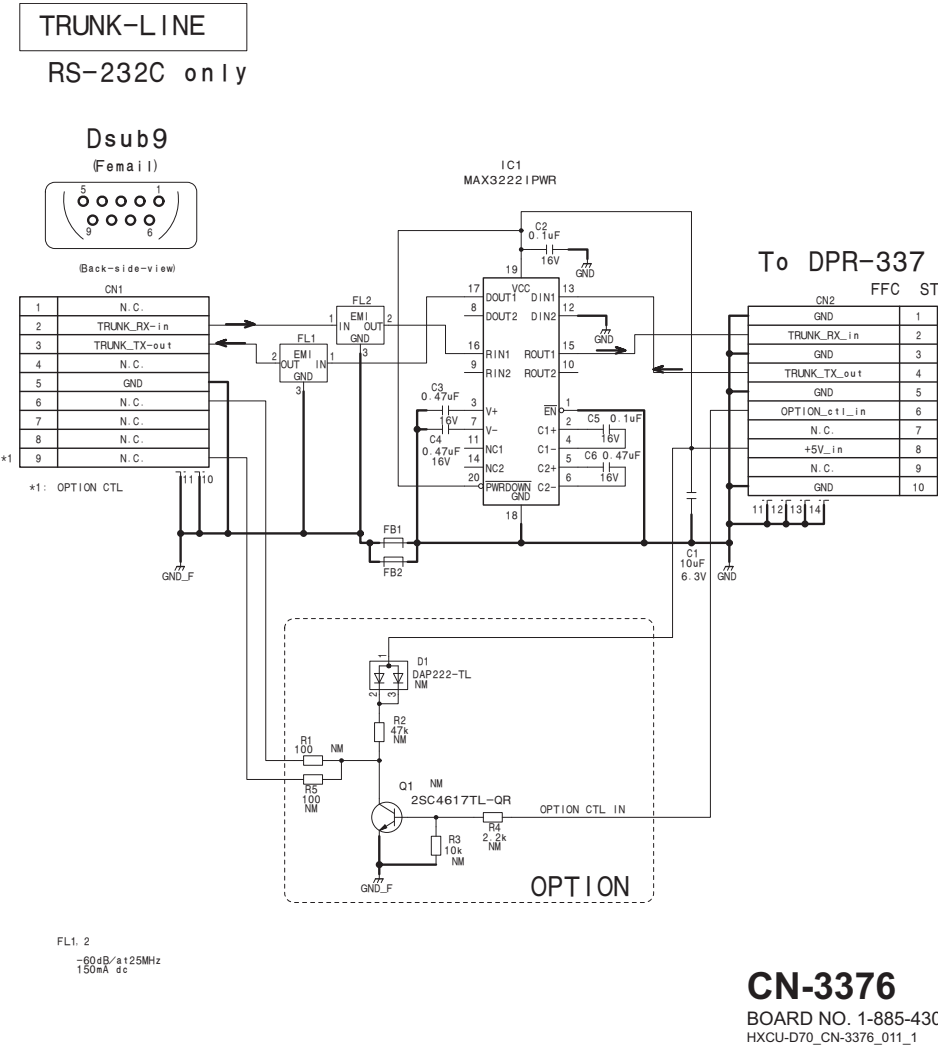
CN-3369
BOARD NO. 1-885-436-11
HXCUC70_CN-3369_011_1

CN-3370

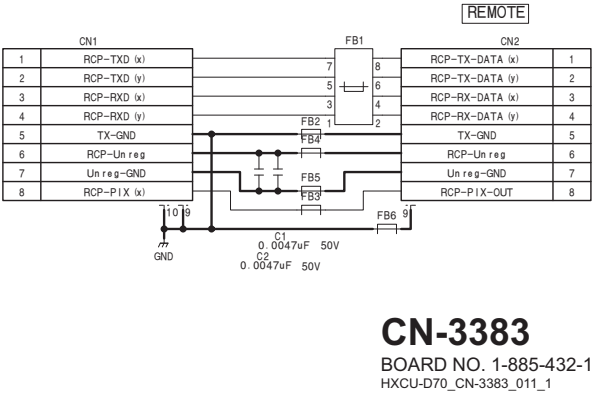


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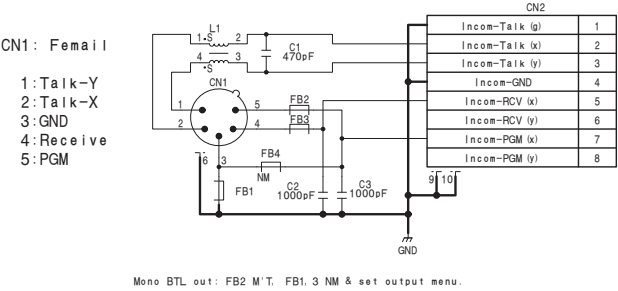
CN-3376



CN-3383



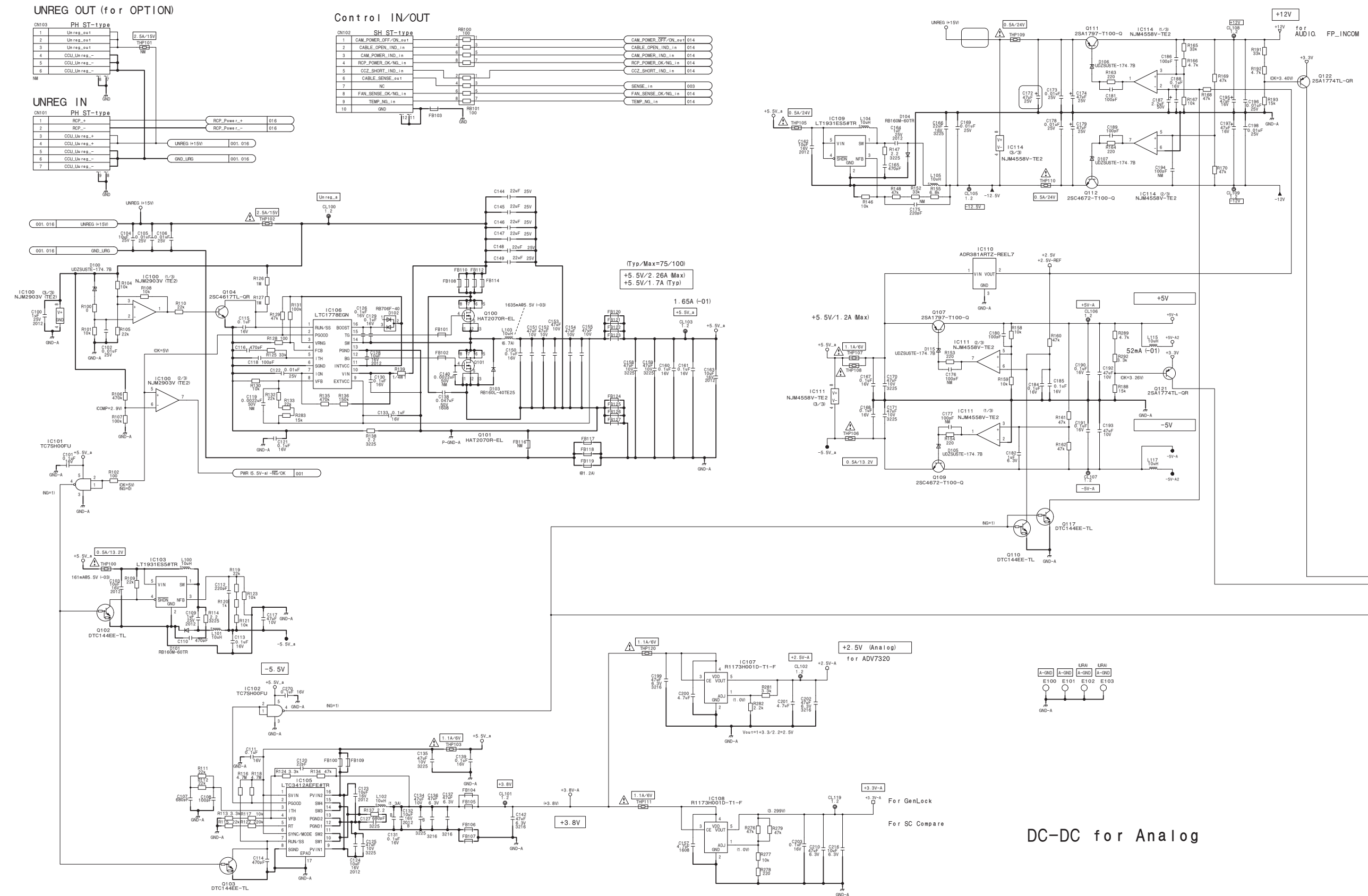
CN-3382



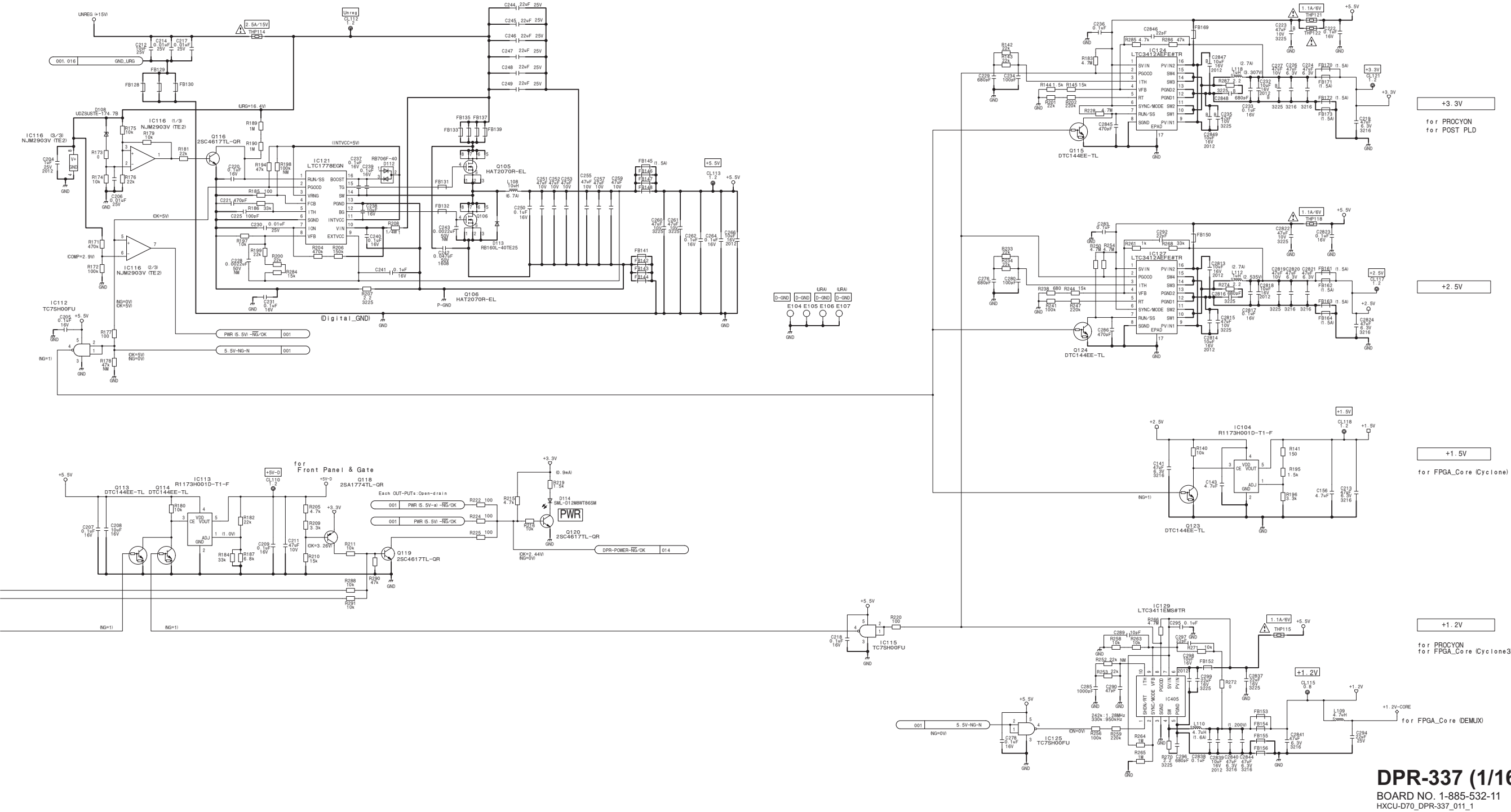
CN-3382

BOARD NO. 1-885-437-11
HXCU-D70_CN-3382_011_1

DPR-337
DPR-337 (1/16)_L

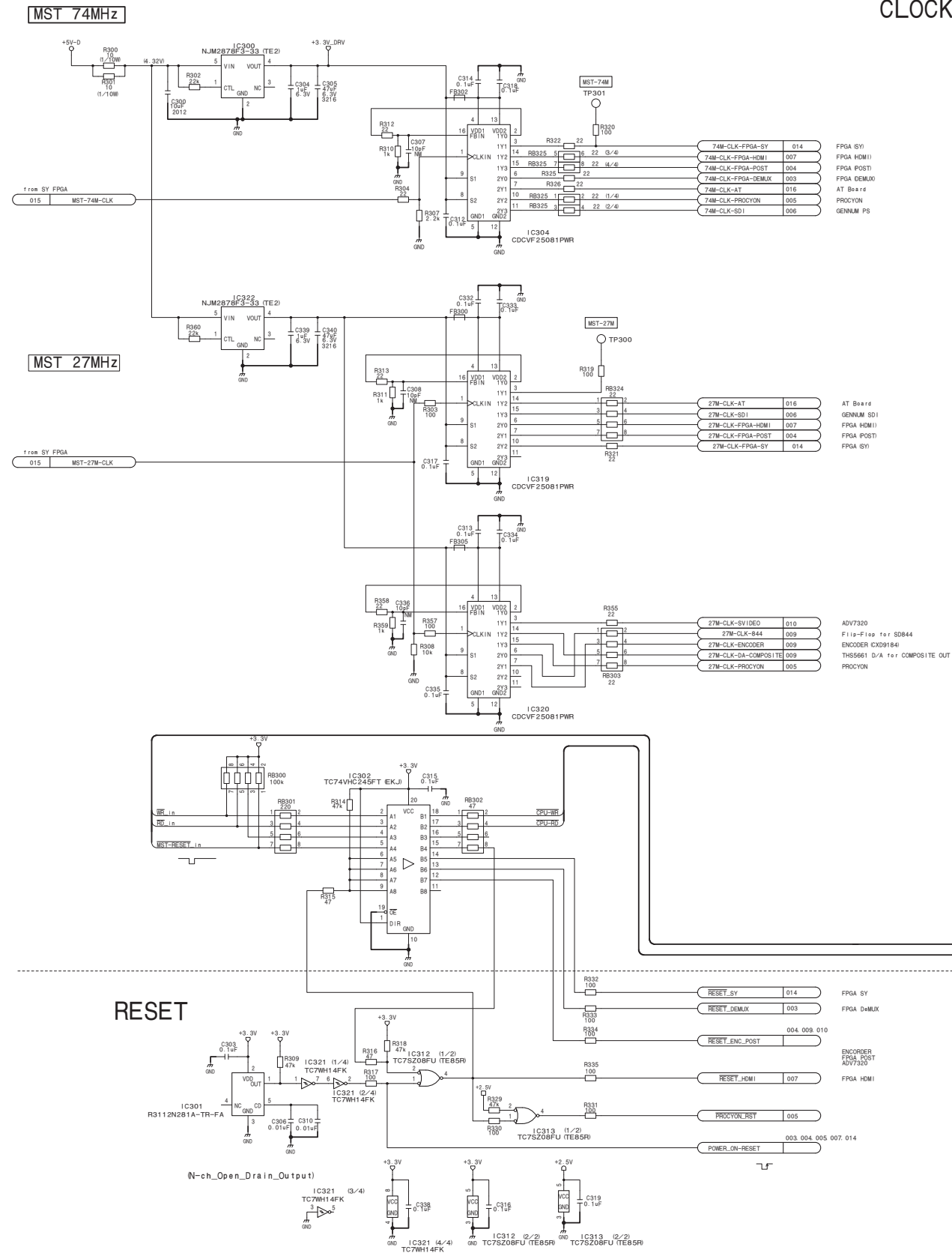


DPR-337 (1/16)_R

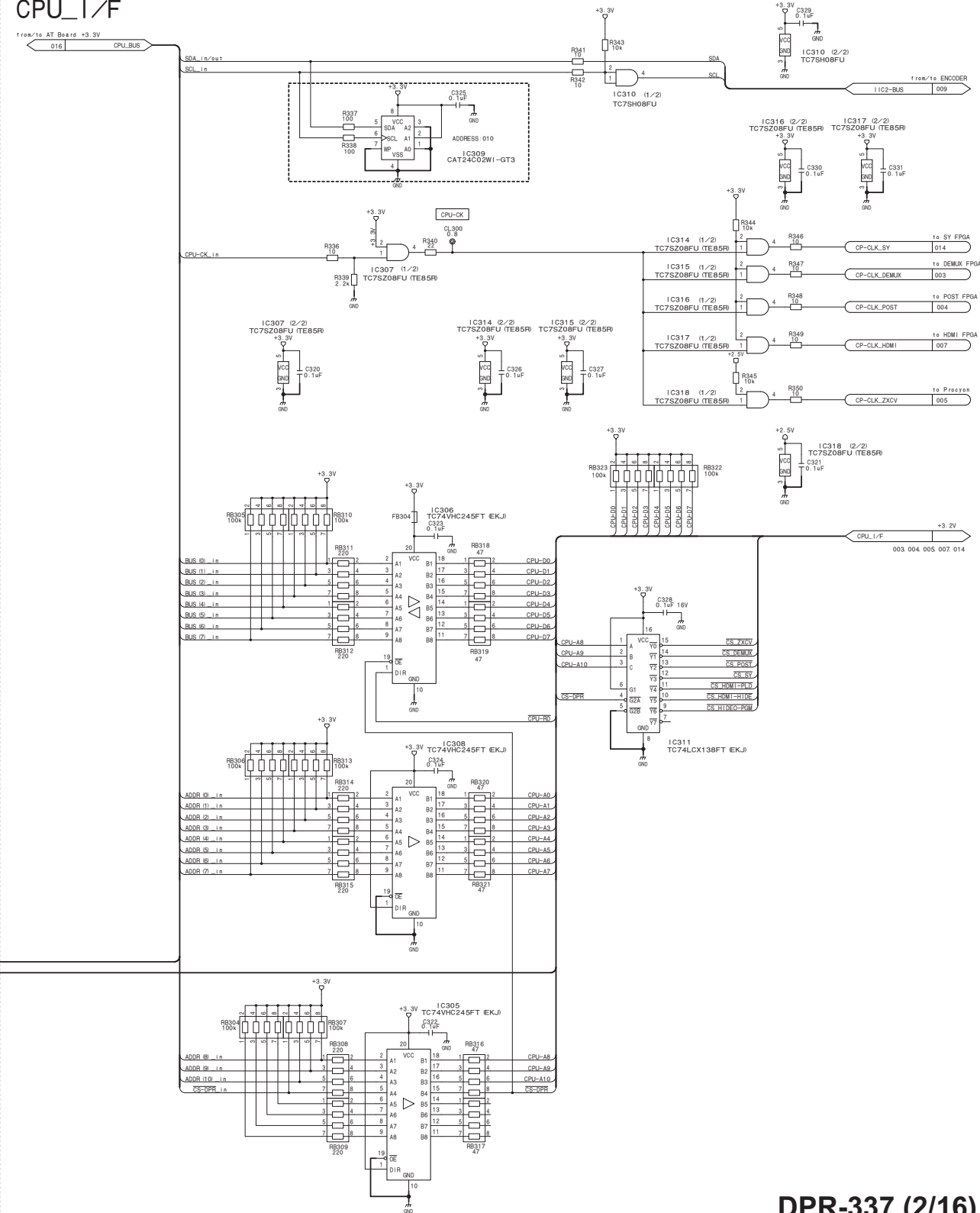


DPR-337 (1/16)
BOARD NO. 1-885-532-11
HXCU-D70_DPR-337_011_1

DPR-337 (2/16)



CLOCK	CPU_I/F
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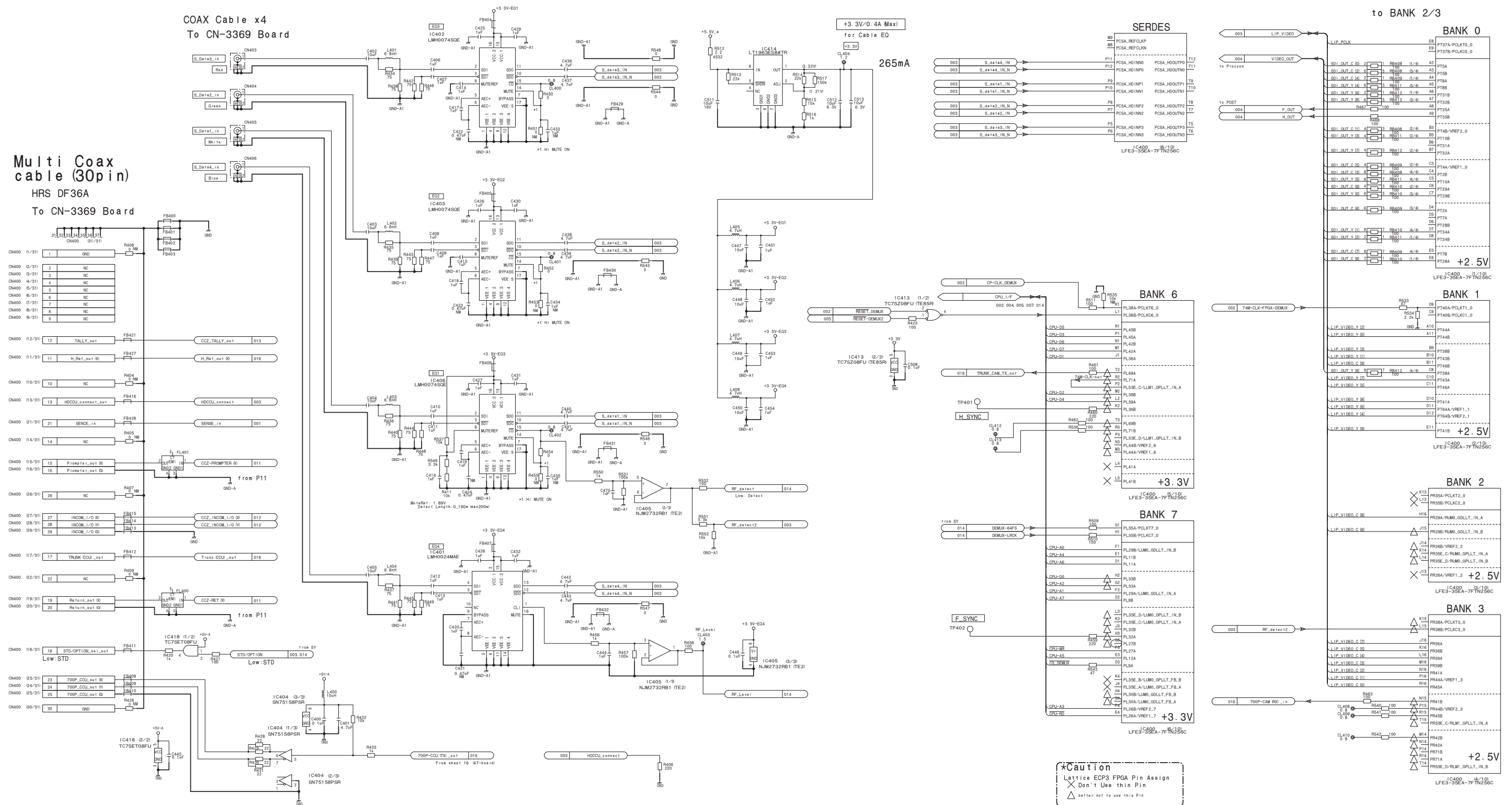


DPR-337 (2/16)

BOARD NO. 1-885-532-11
HXCUC-D70_DPR-337_011_2

DPR-337 (3/16)_L

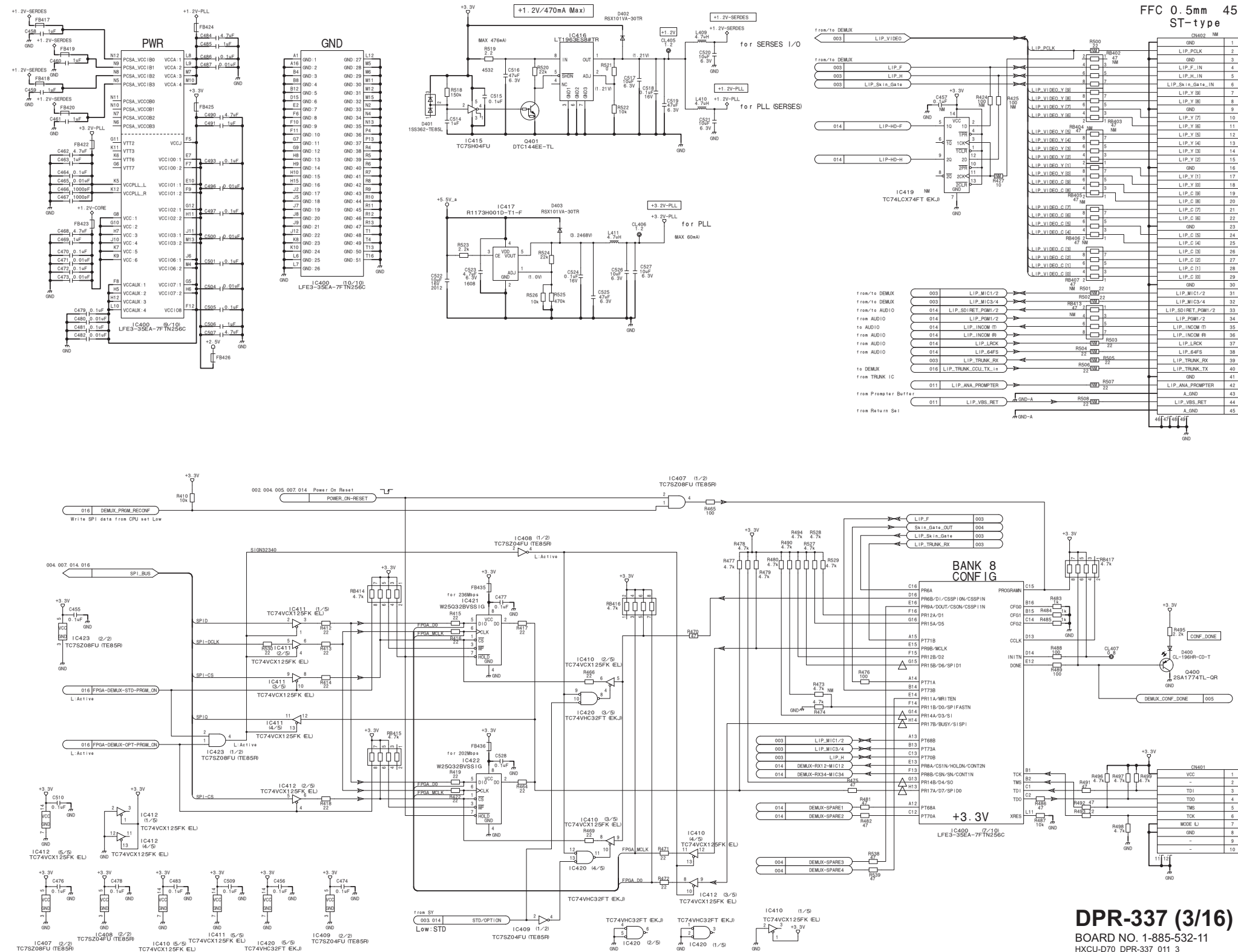
Cable EQ x4ch



DPR-337 (3/16)_R

IF for LIPTON system

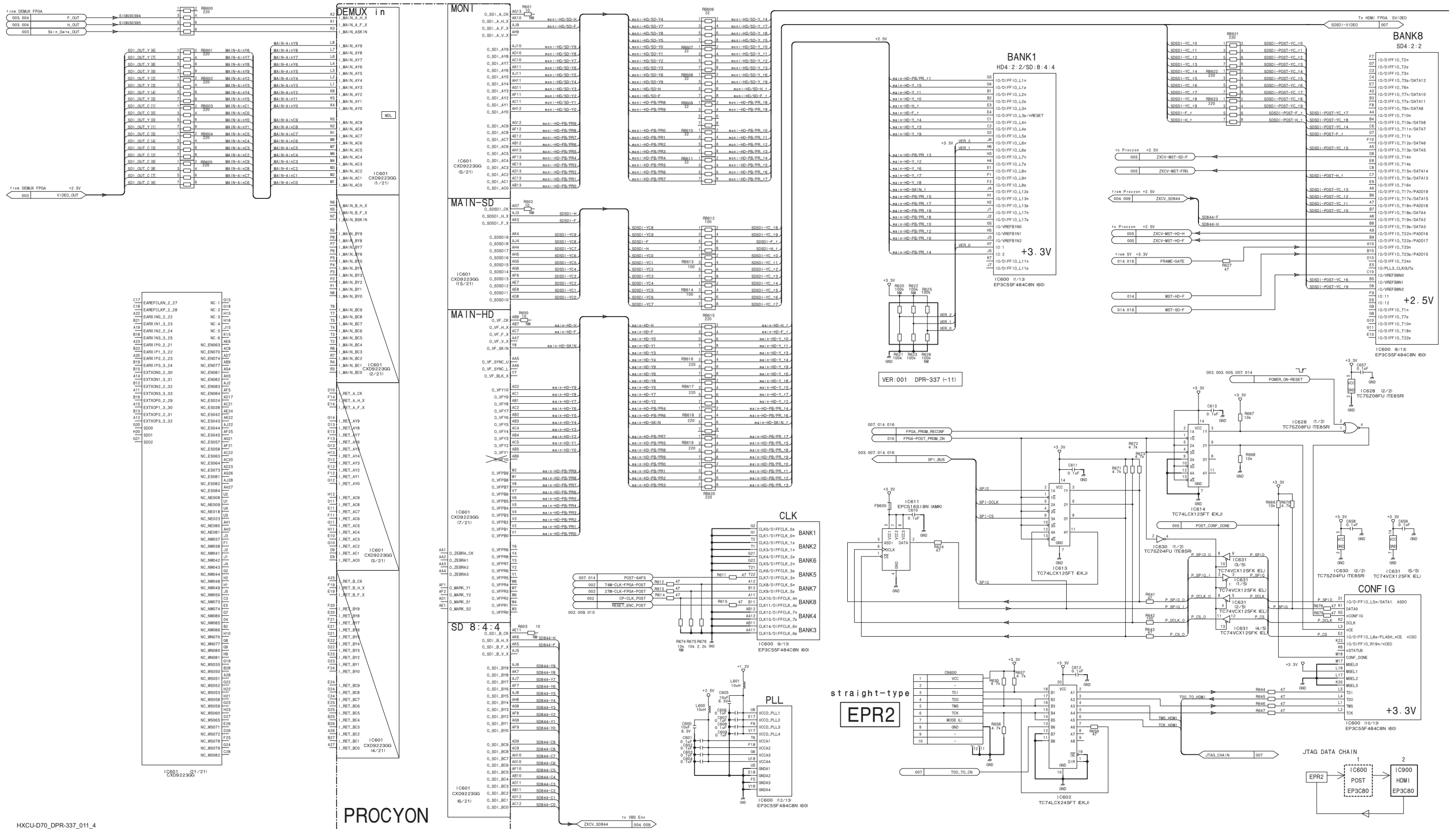
FFC 0.5mm 45pin
ST-type



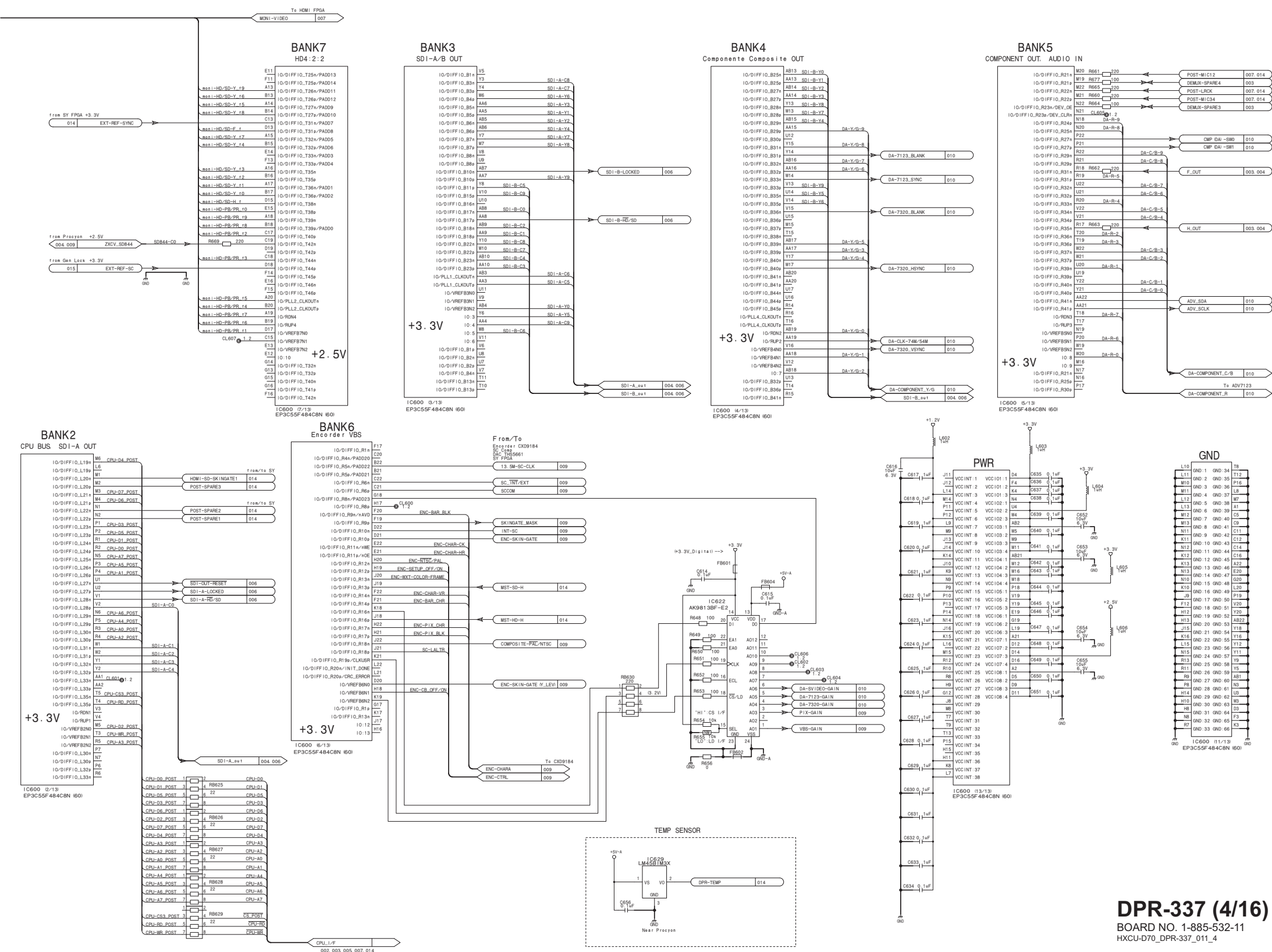
DPR-337 (3/16)

BOARD NO. 1-885-532-11
HXCUC-D70 DPR-337 011 3

DPR-337 (4/16)_L

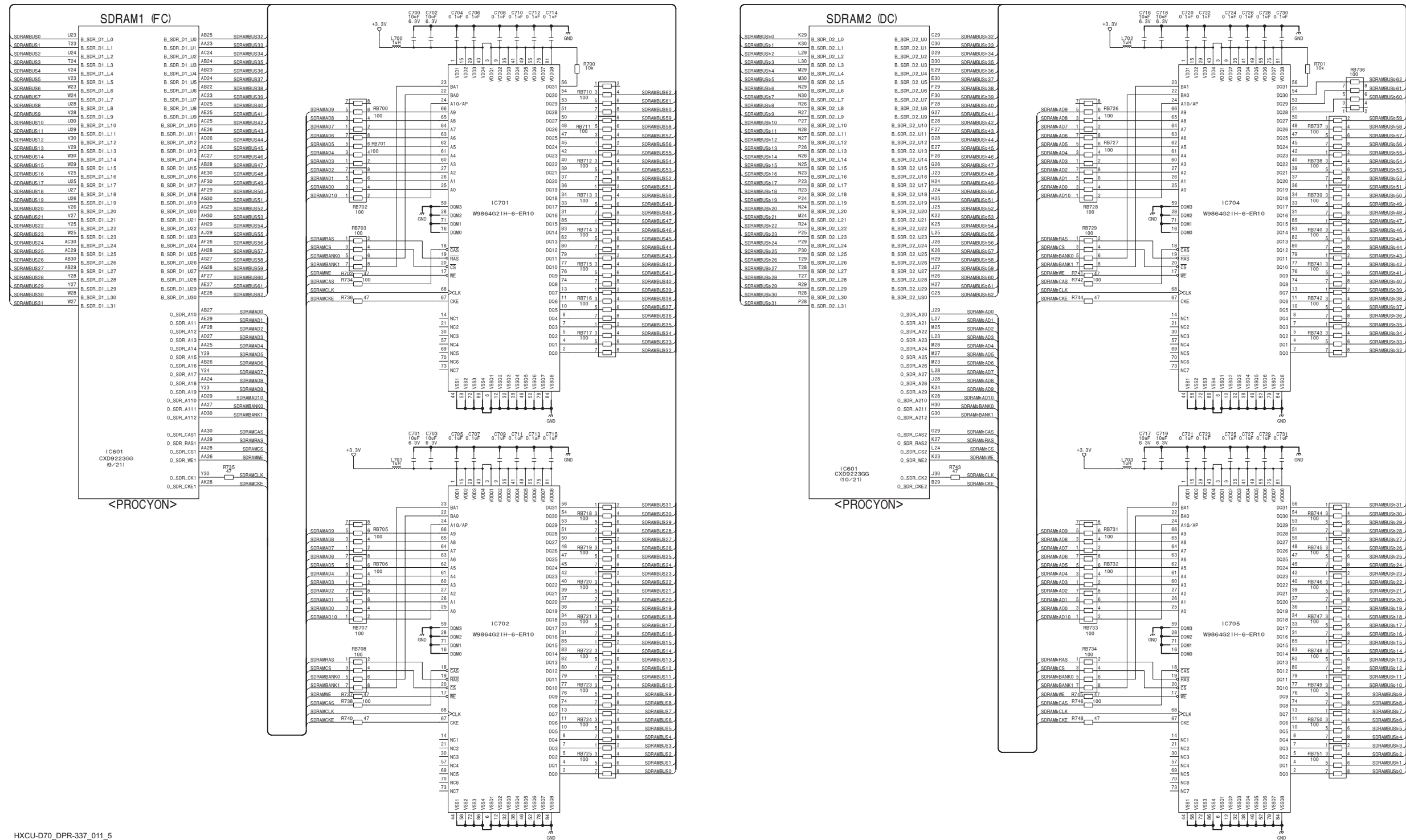


DPR-337 (4/16)_R

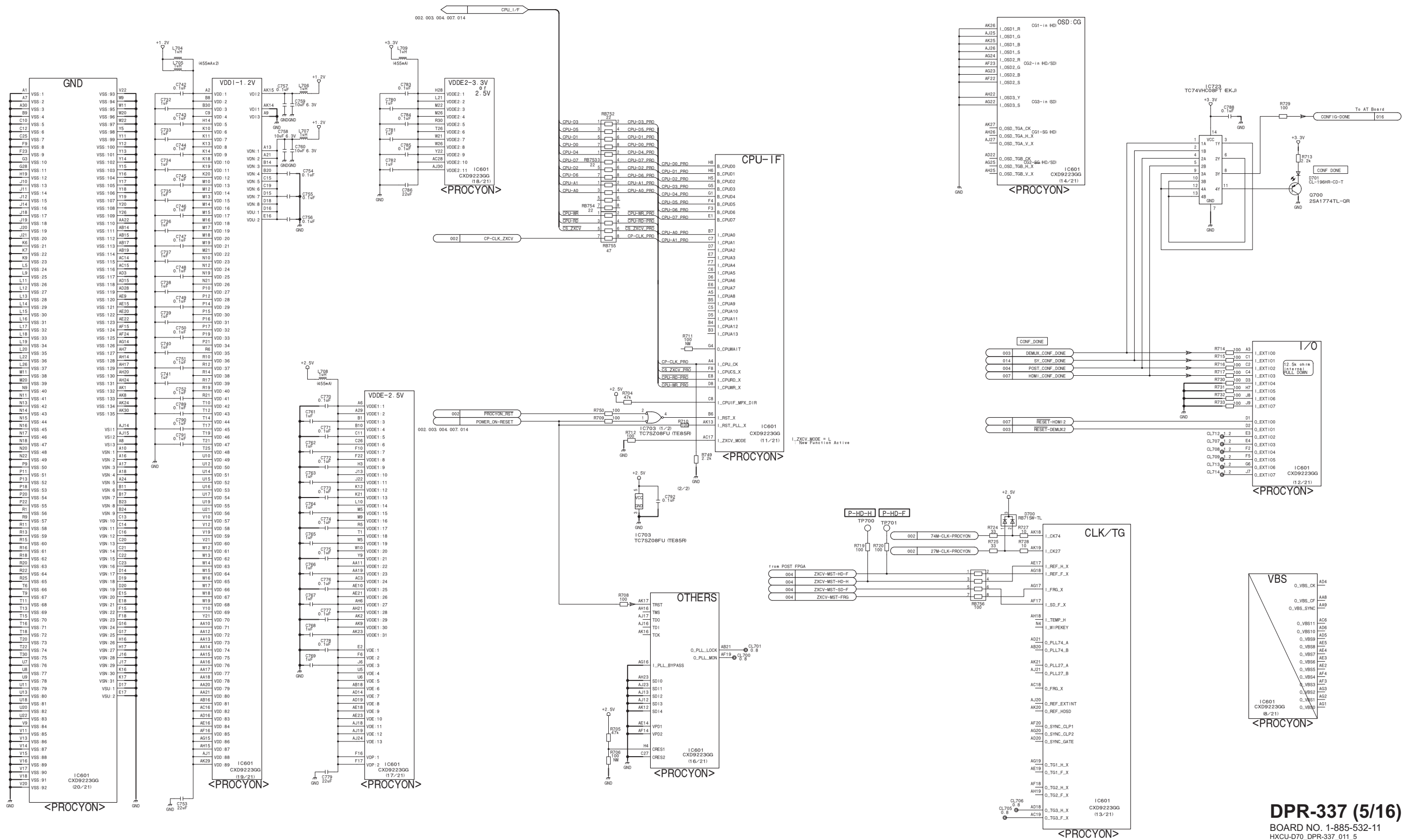


DPR-337 (4/16)
BOARD NO. 1-885-532-11
HXCU-D70_DPR-337_011_4

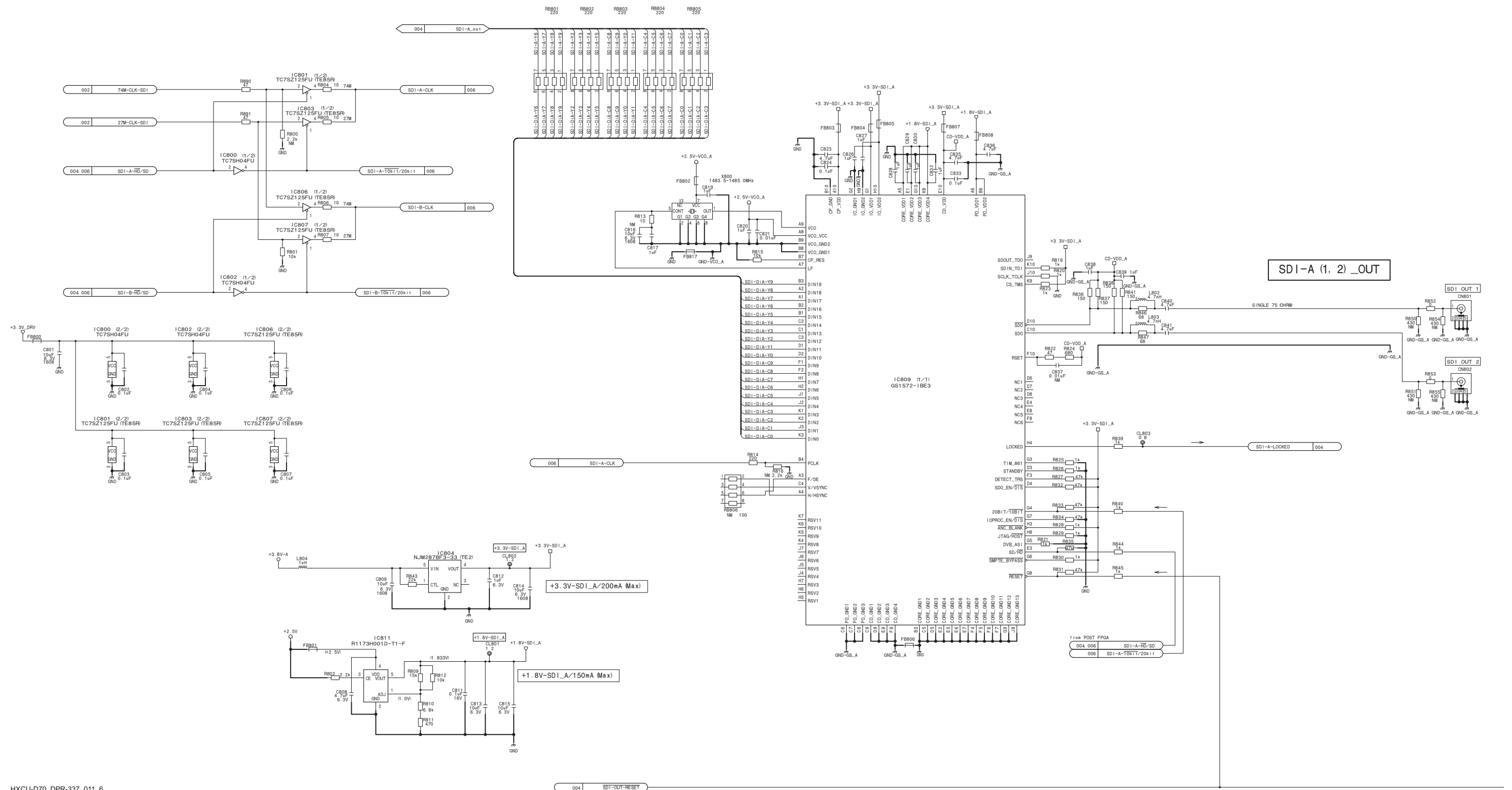
DPR-337 (5/16)_L

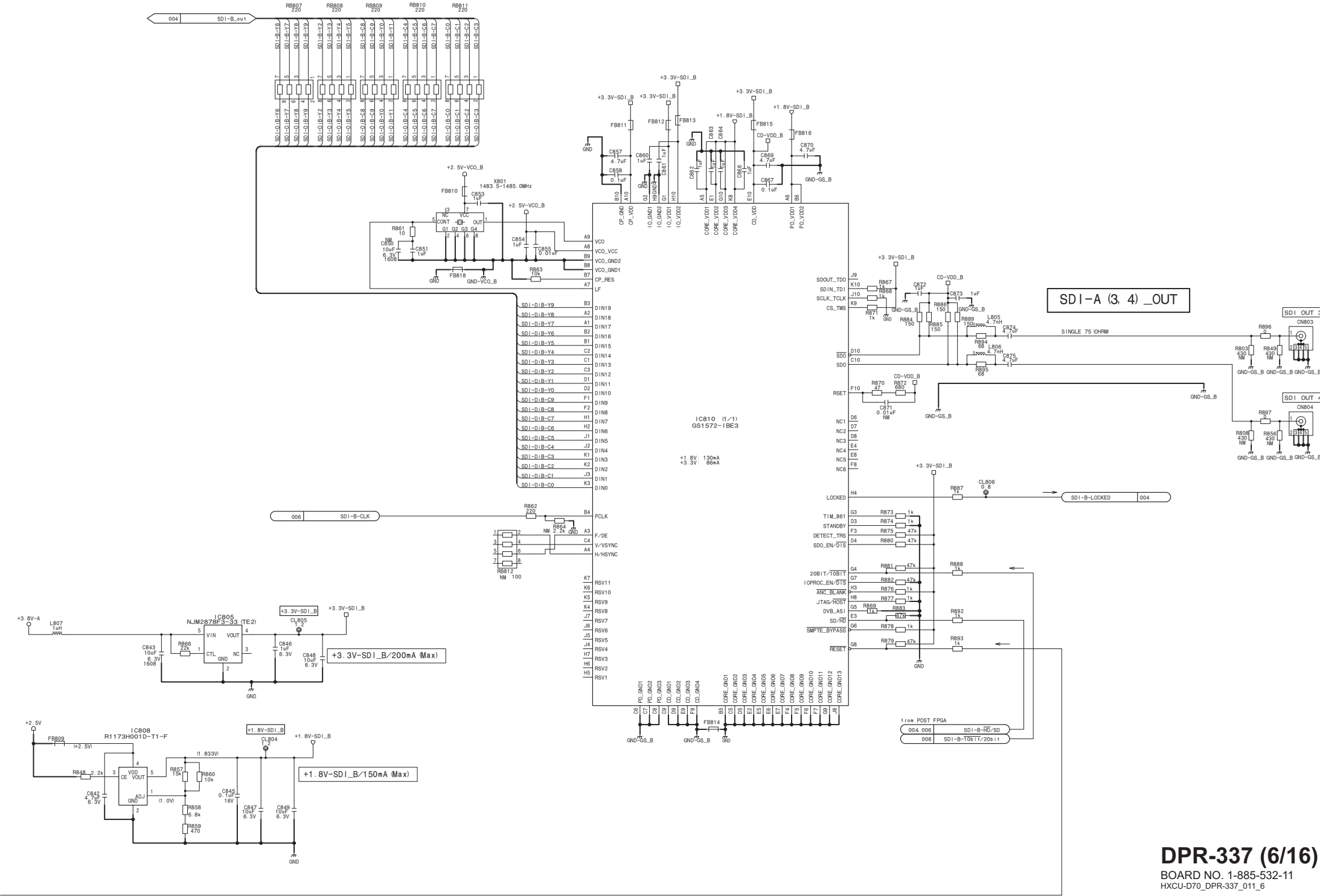


DPR-337 (5/16)_R

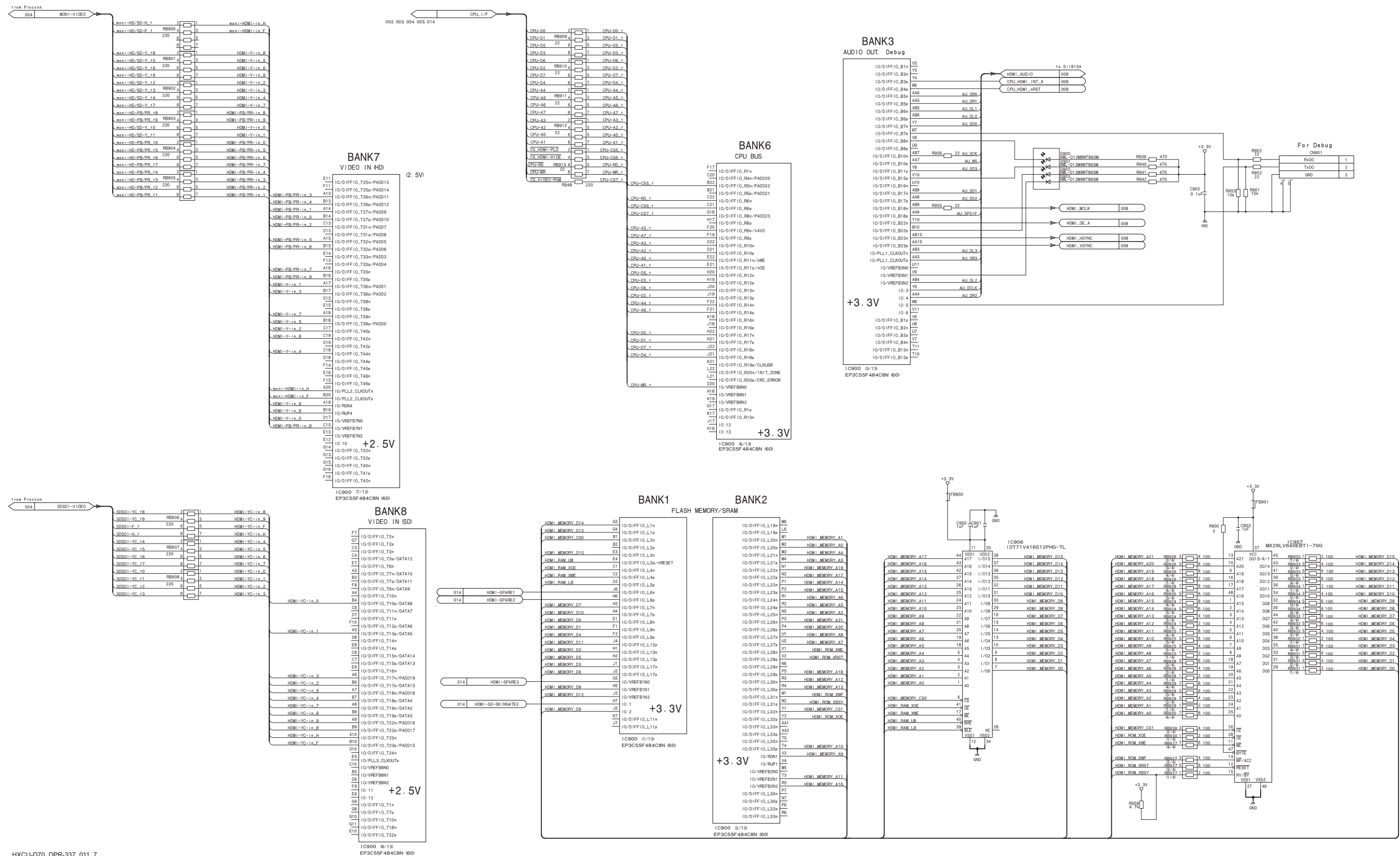


DPR-337 (6/16)_L

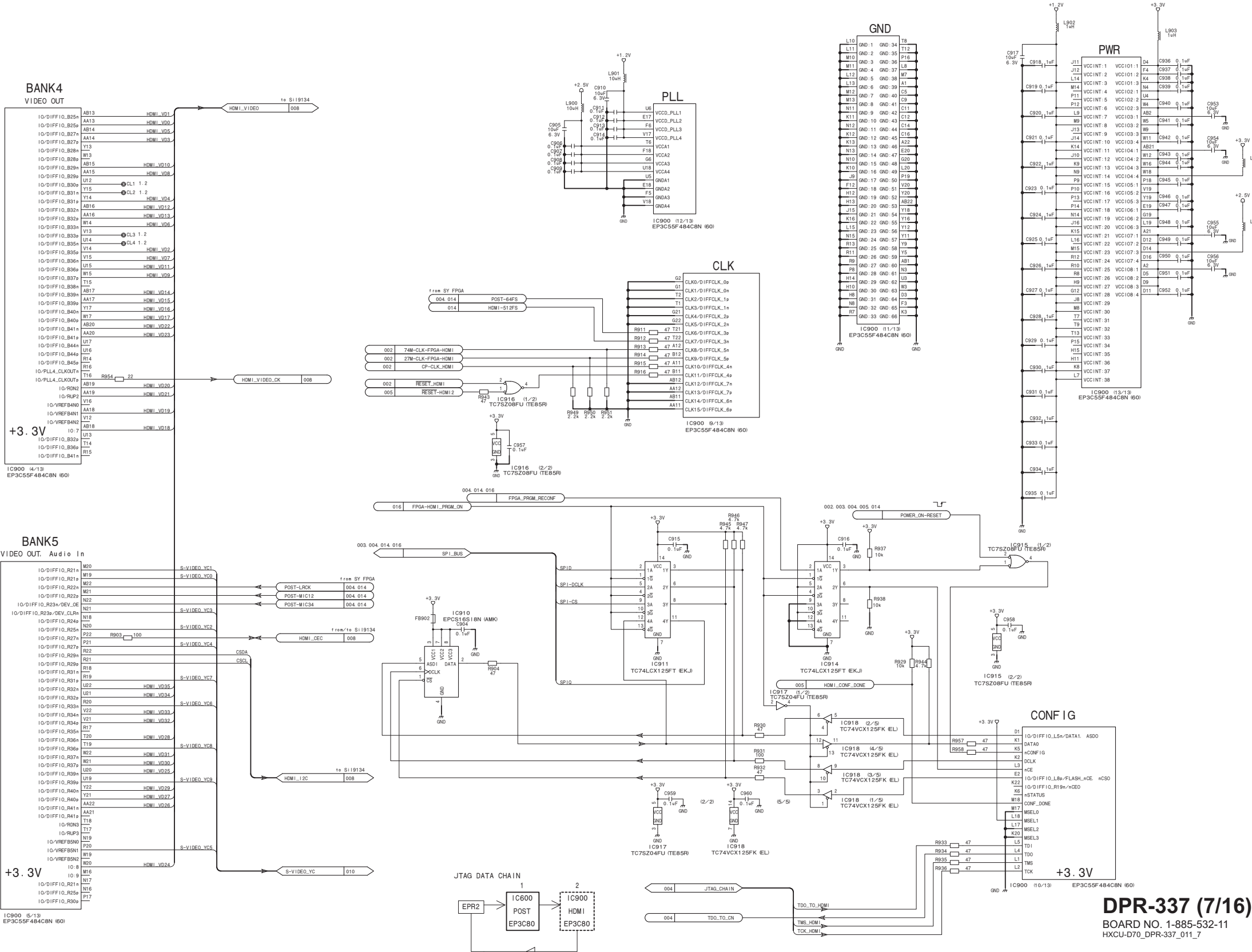




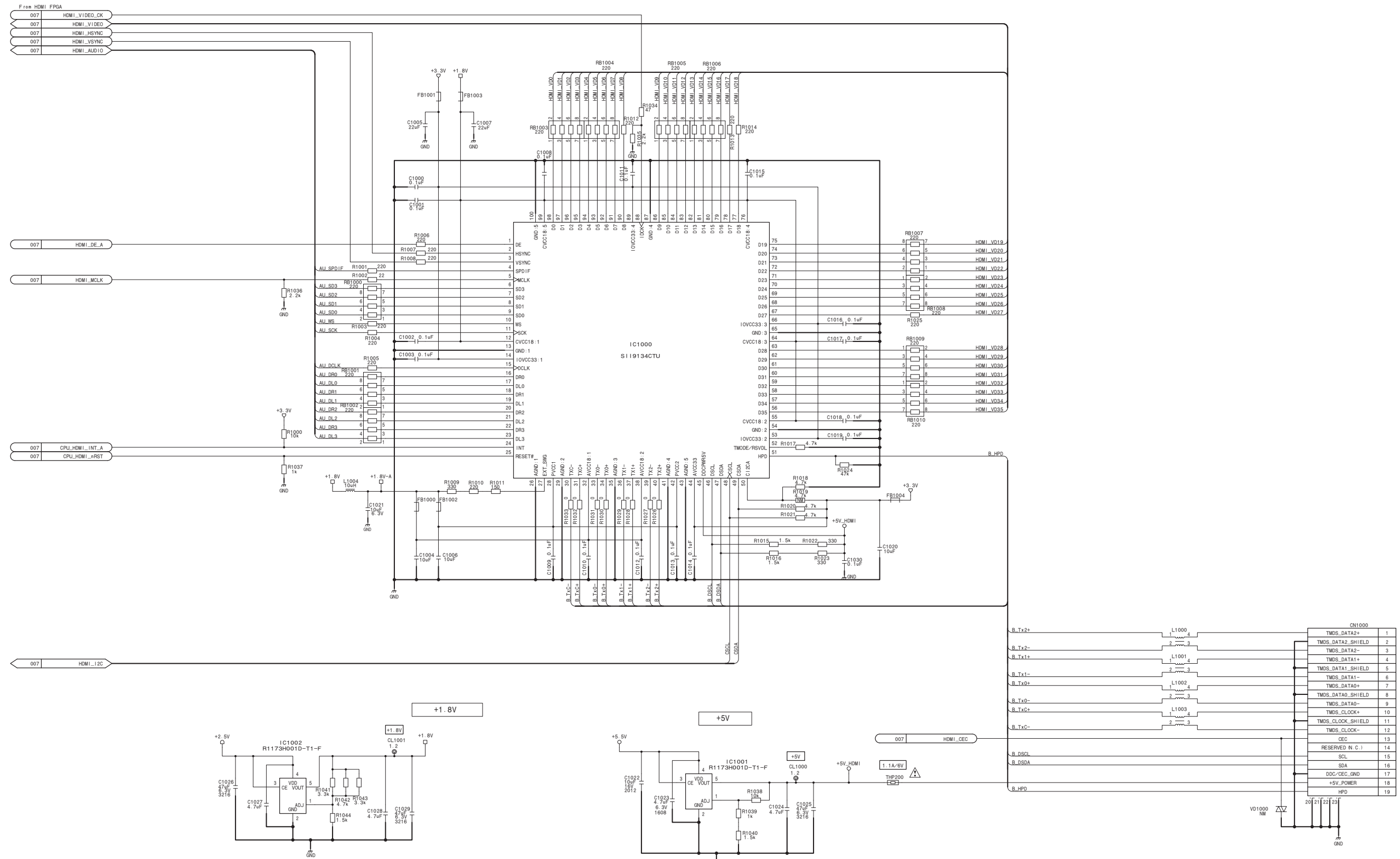
DPR-337 (7/16)_L



DPR-337 (7/16)_R

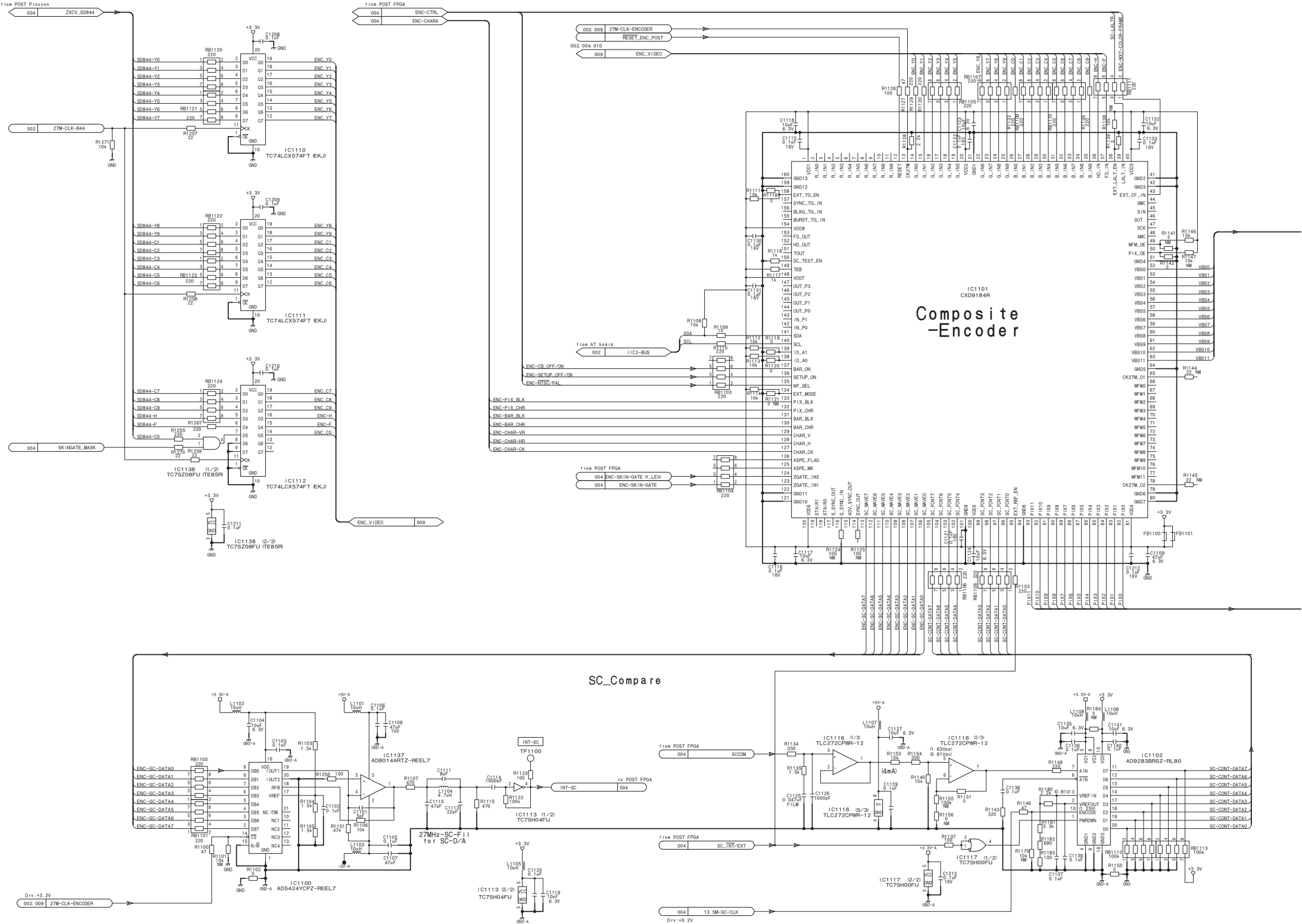


DPR-337 (8/16)



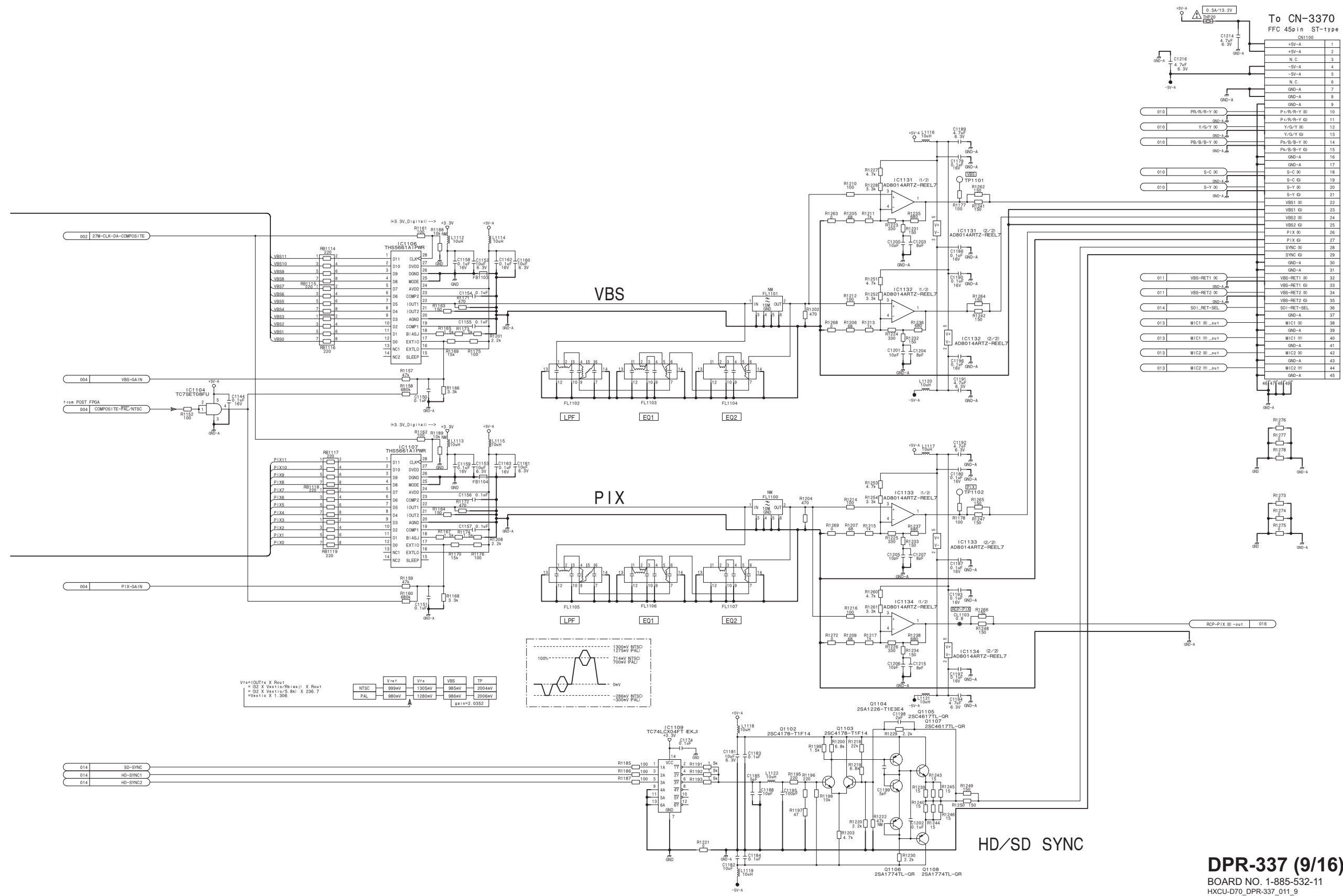
DPR-337 (8/16)
BOARD NO. 1-885-532-11
HXCUC-D70_DPR-337_011_8

DPR-337 (9/16)_L

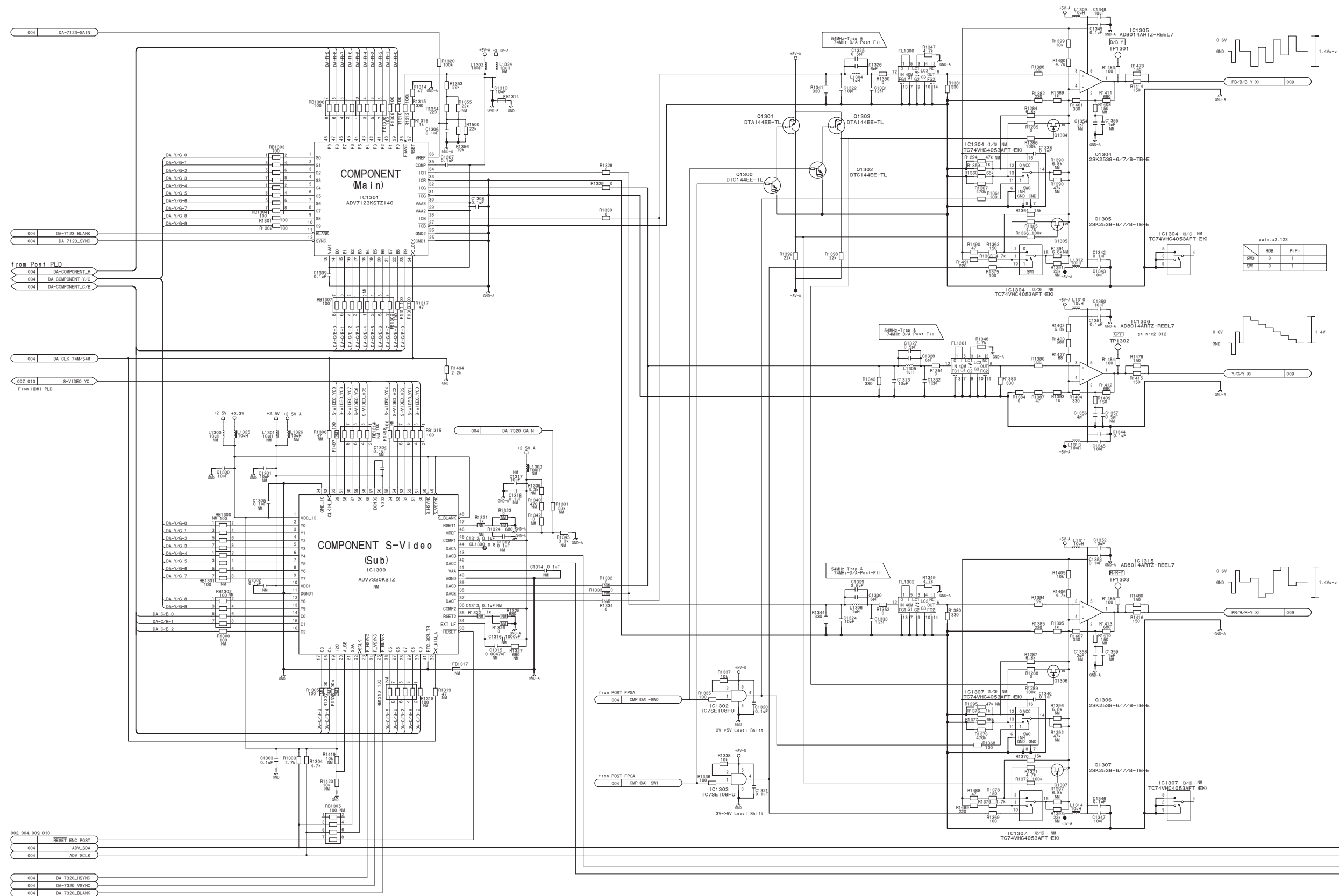


HXCU-D70 DPR-337_011_9

DPR-337 (9/16)_R

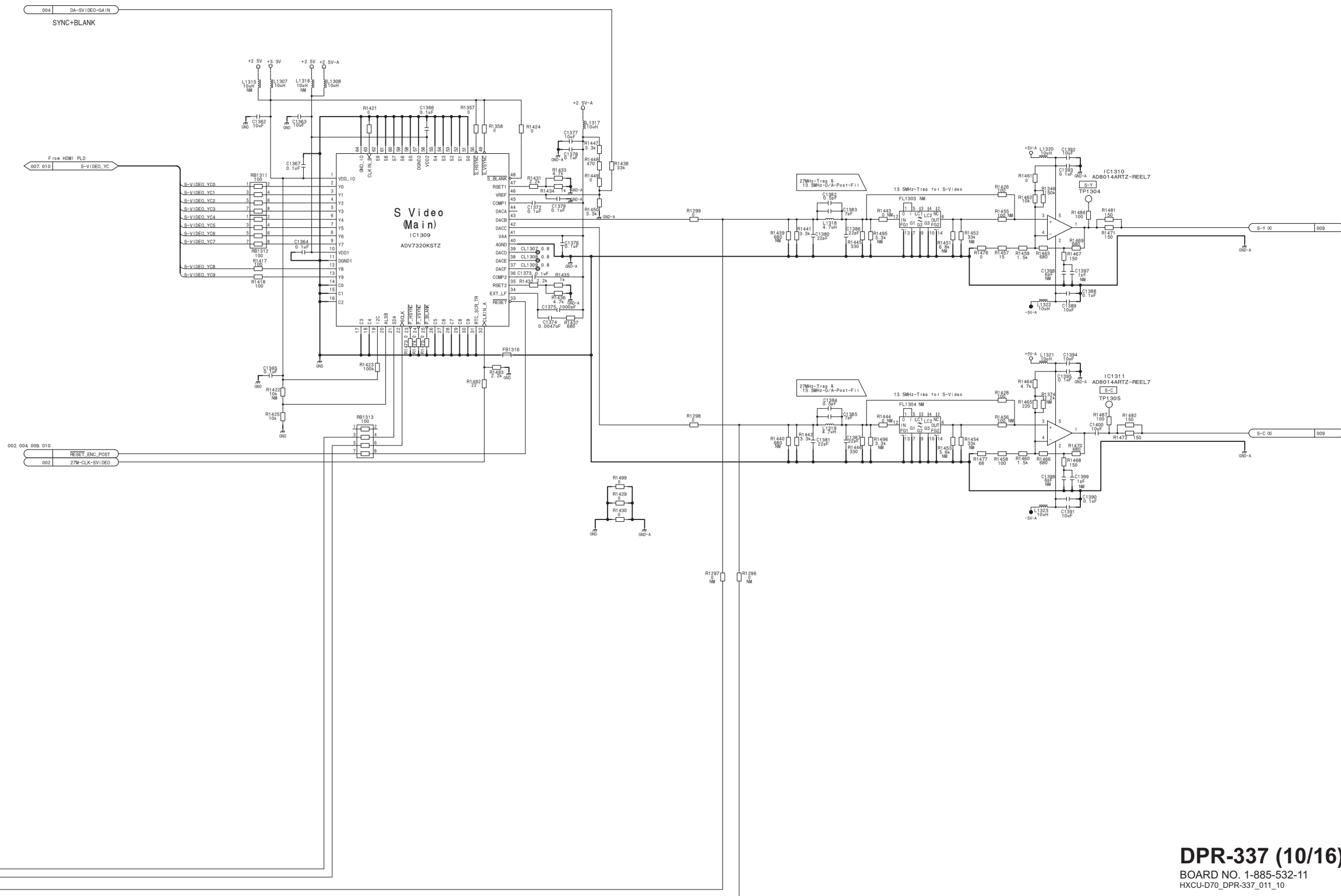


DPR-337 (10/16)_L



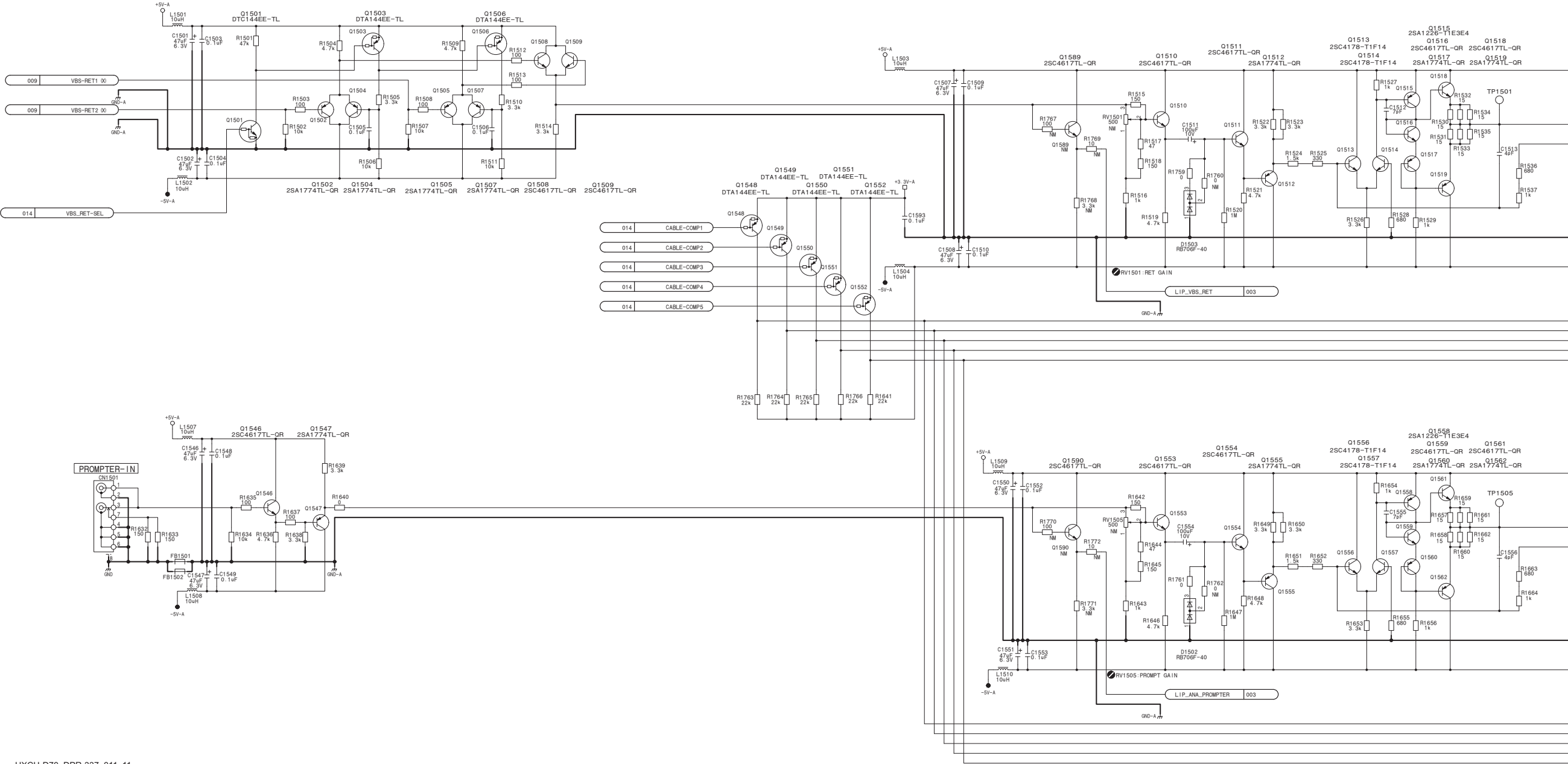
HXCU-D70_DPR-337_011_10

DPR-337 (10/16)_R



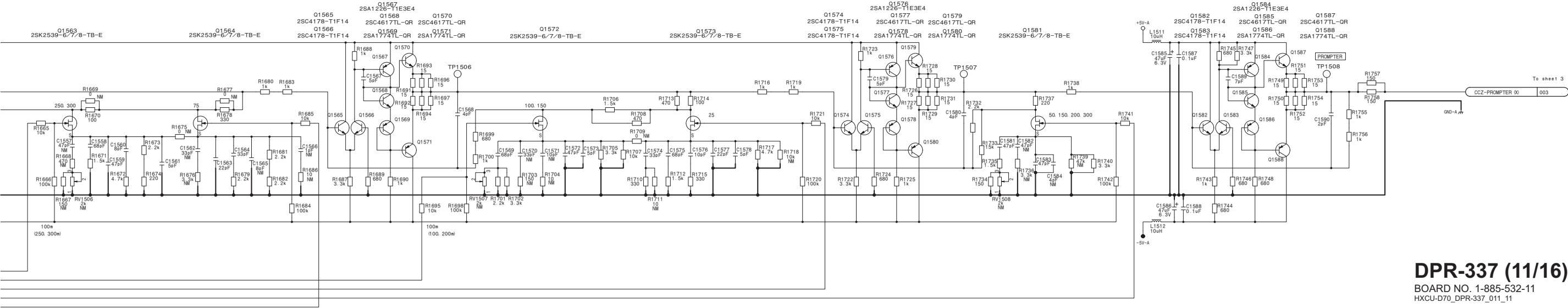
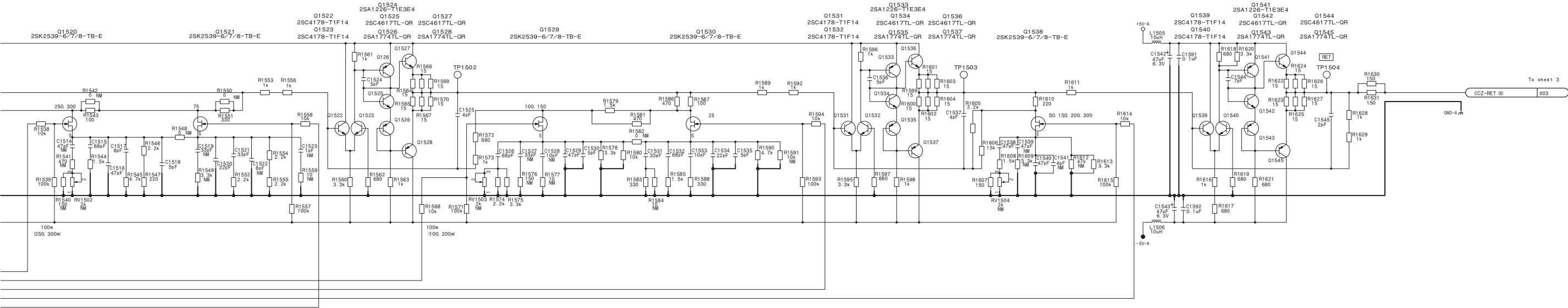
DPR-337 (10/16)
BOARD NO. 1-885-532-11
HXCUC-D70_DPR-337_011_10

DPR-337 (11/16)_L



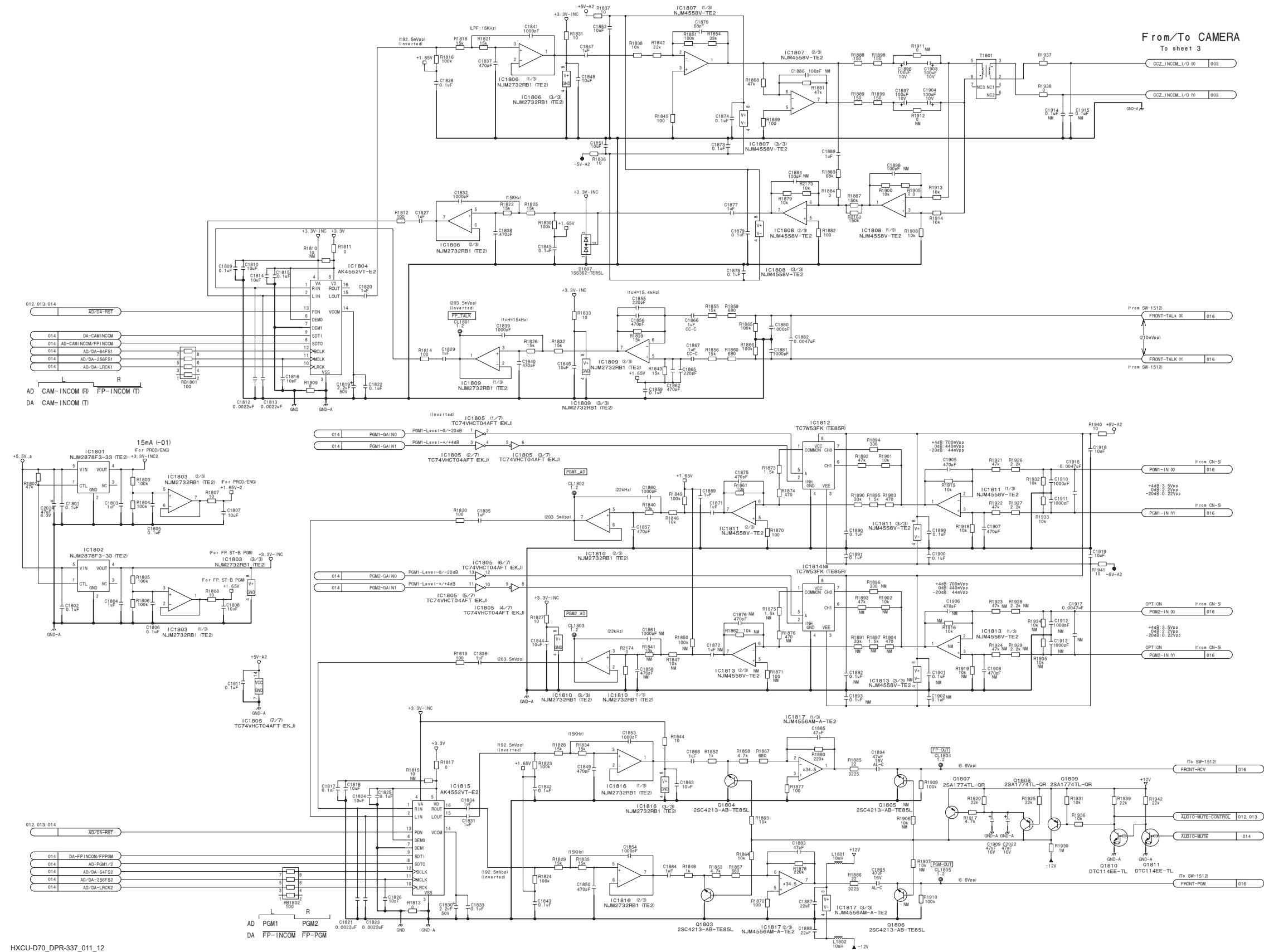
HXCU-D70 DPR-337_011_11

DPR-337 (11/16)_R

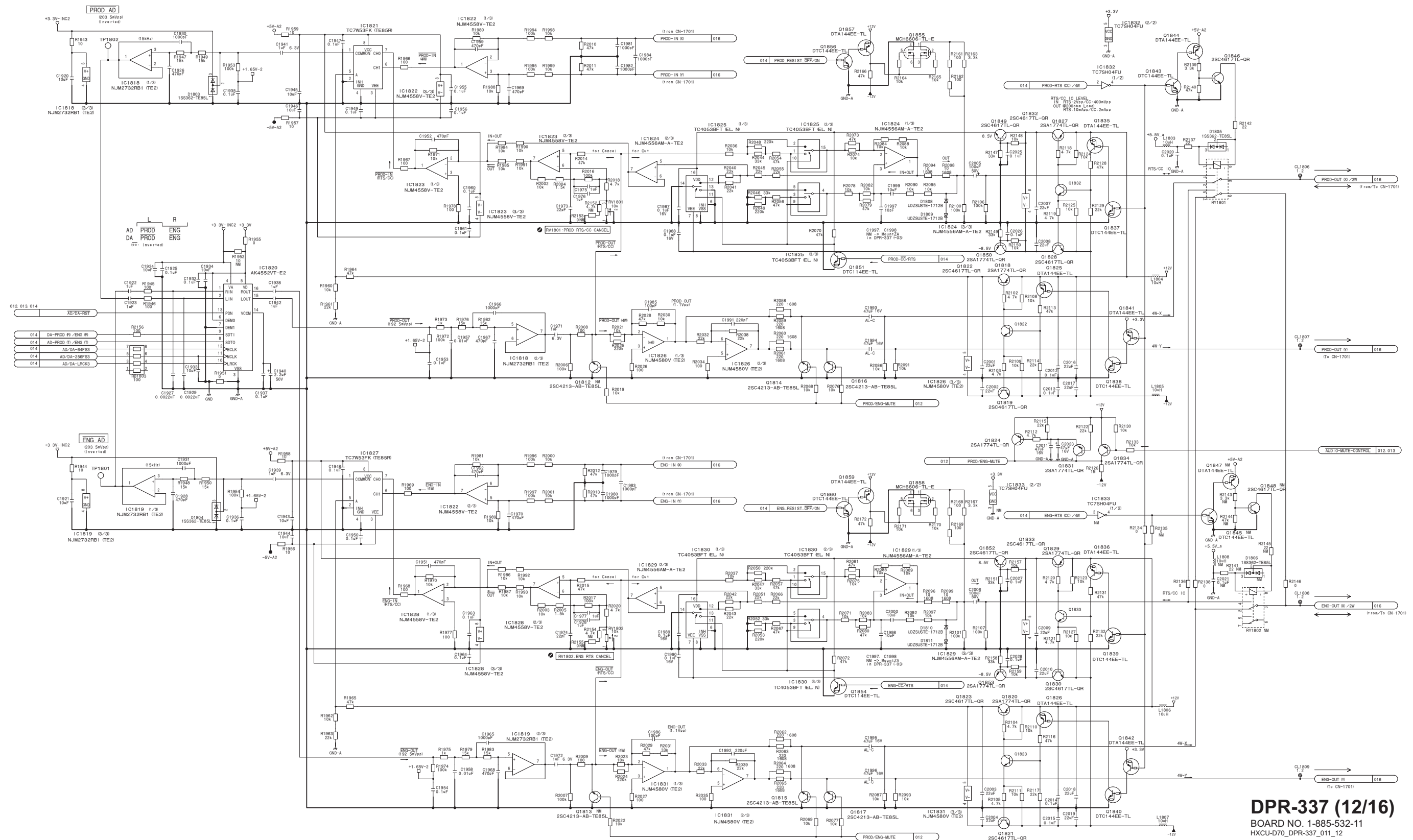


DPR-337 (11/16)
BOARD NO. 1-885-532-11
HXCU-D70_DPR-337_011_11

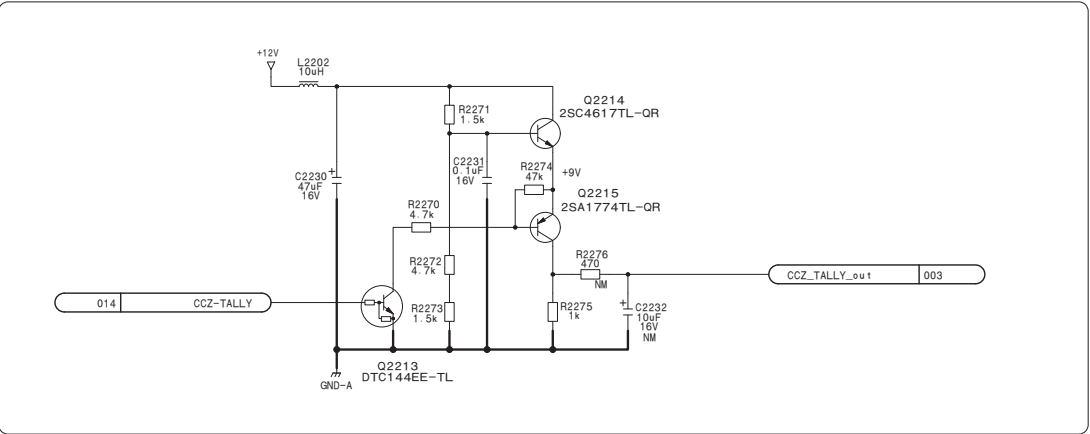
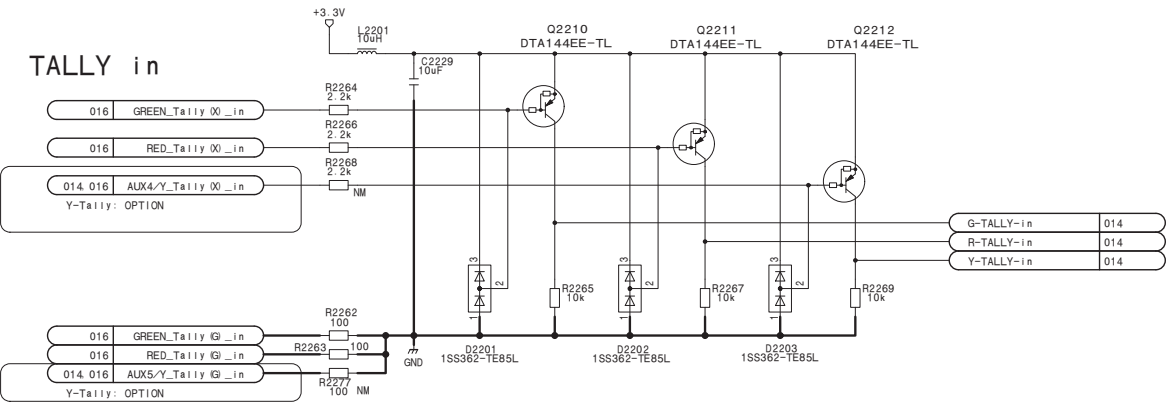
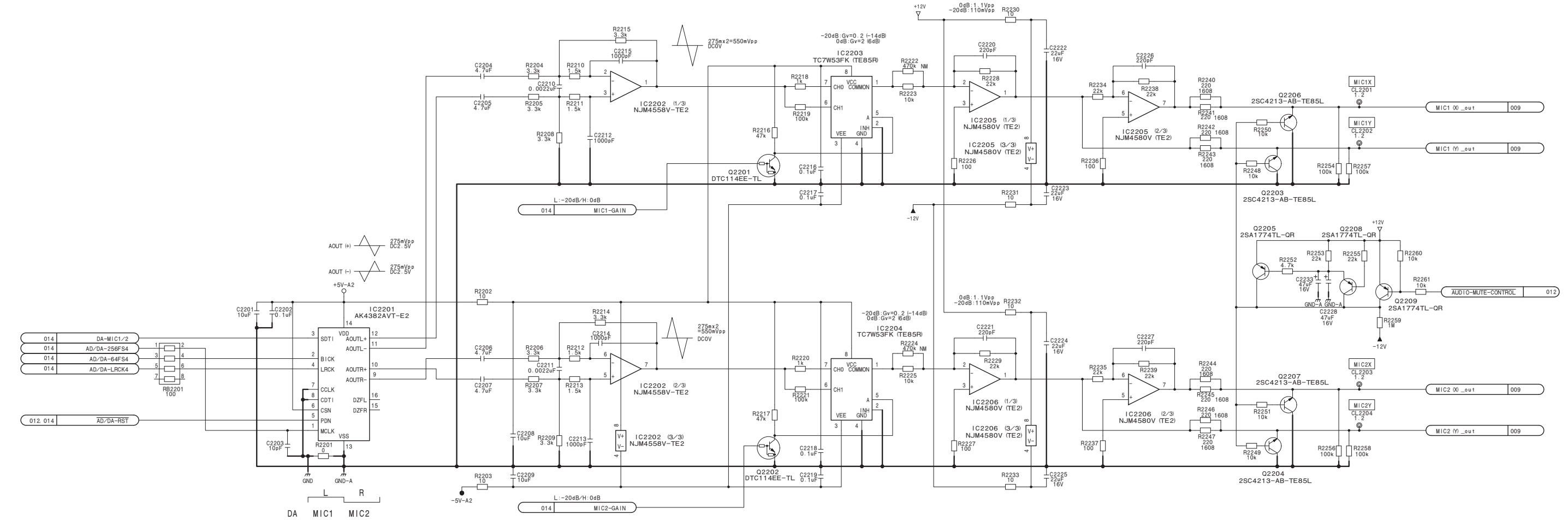
DPR-337 (12/16)_L



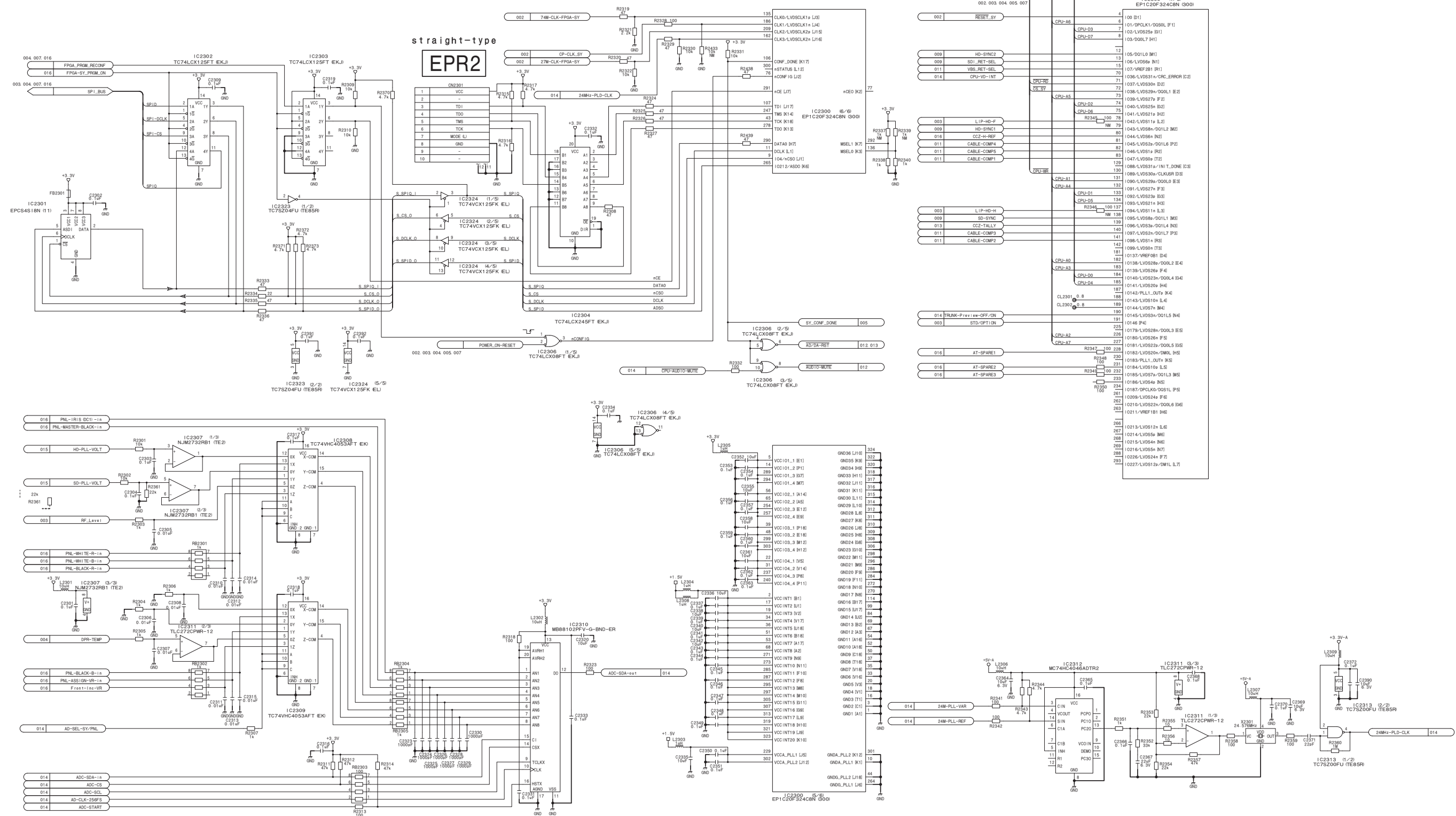
DPR-337 (12/16)_R



DPR-337 (12/16)
BOARD NO. 1-885-532-11
HXCUC-D70_DPR-337_011_12

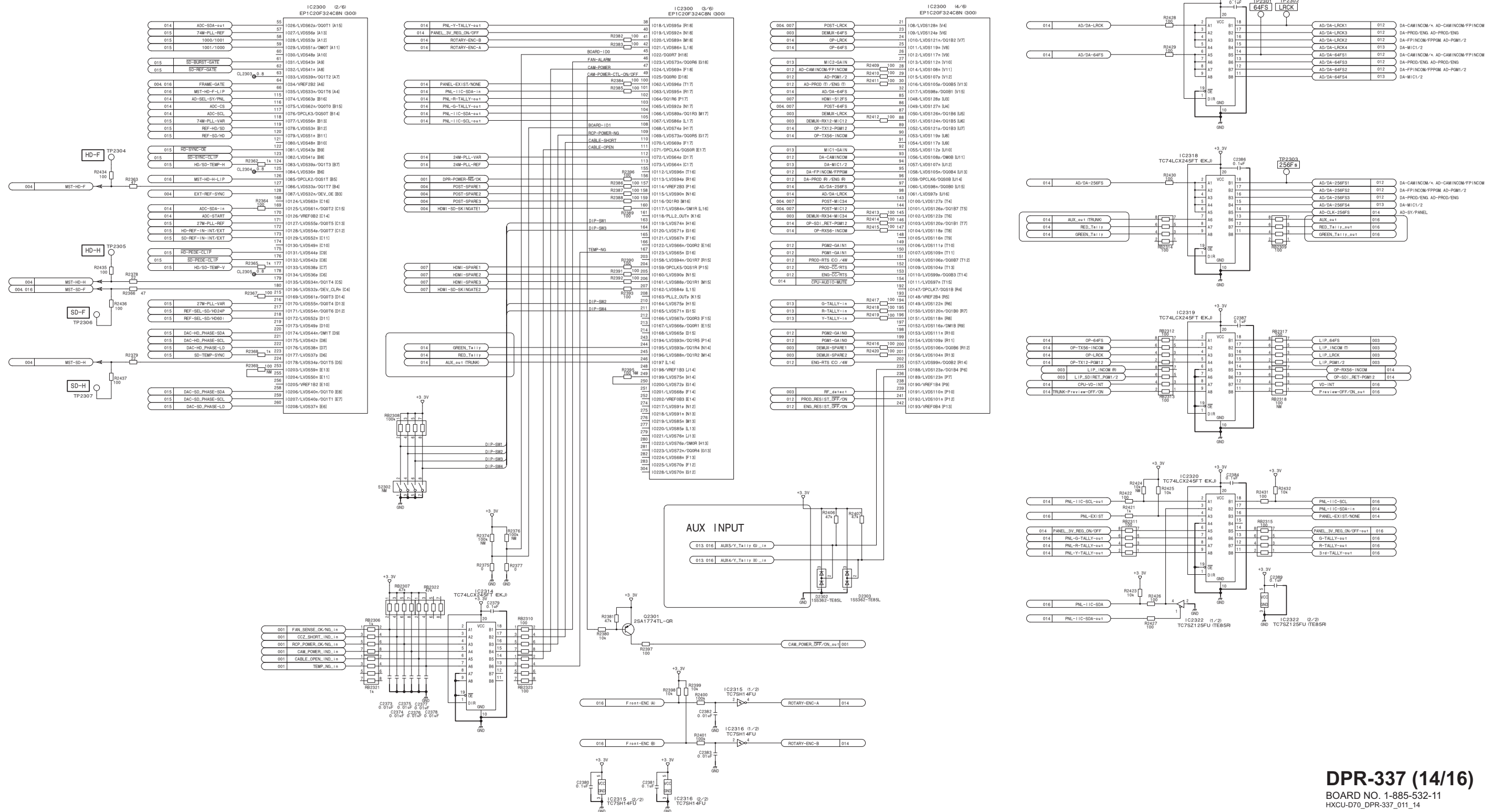


DPR-337 (14/16)_L

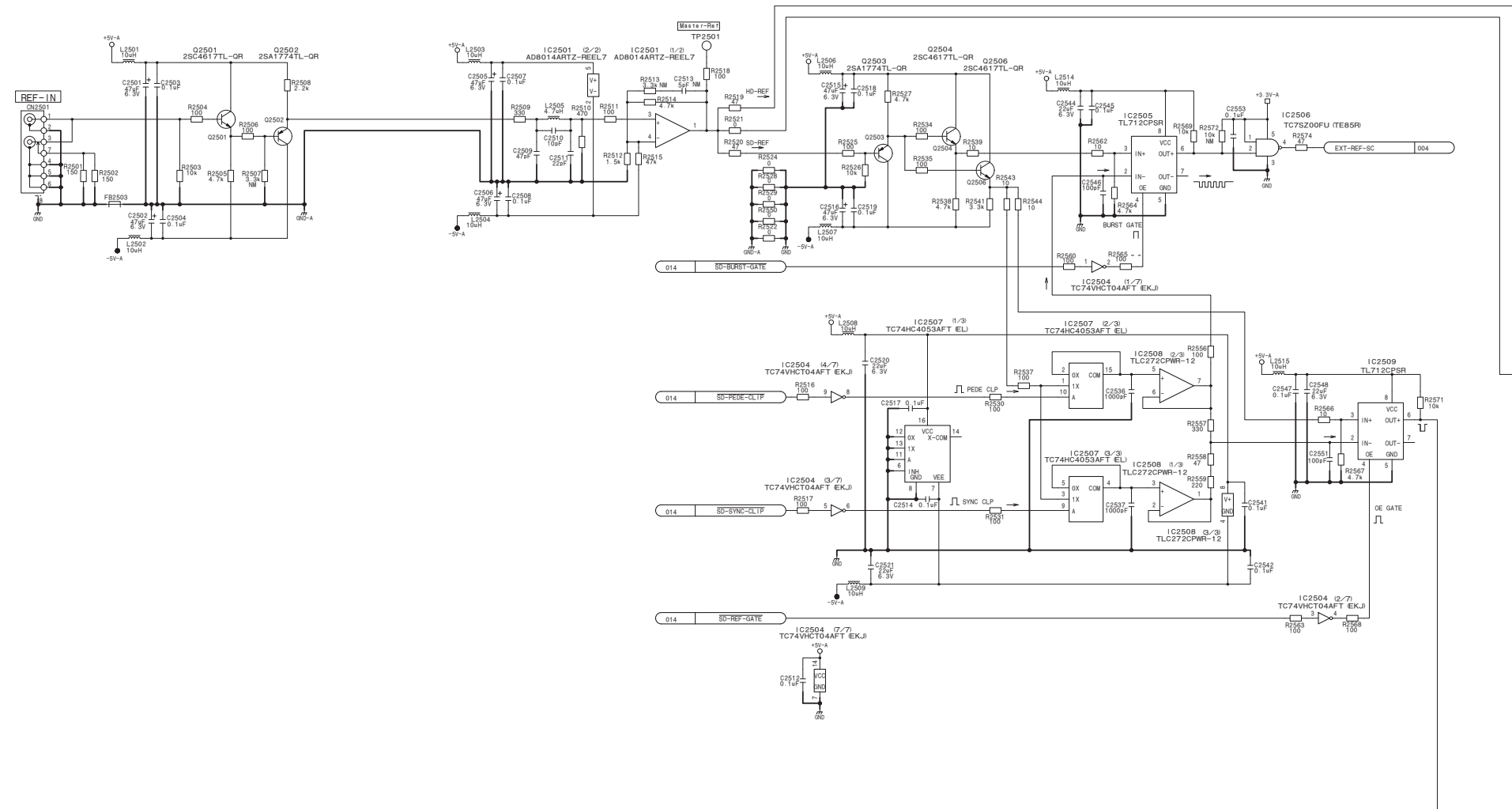


HXCU-D70_DPR-337_011_14

DPR-337 (14/16)_R

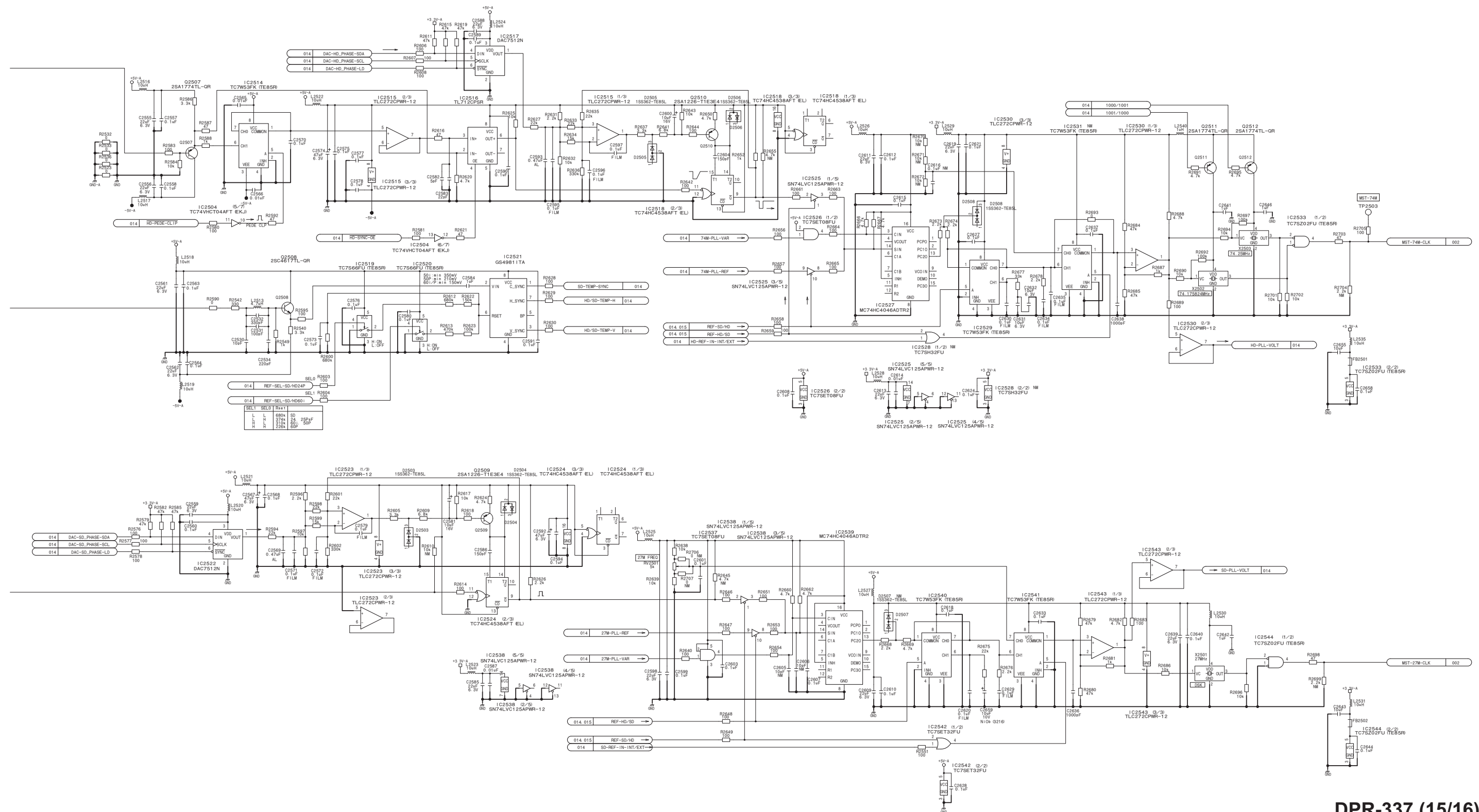


DPR-337 (15/16)_L

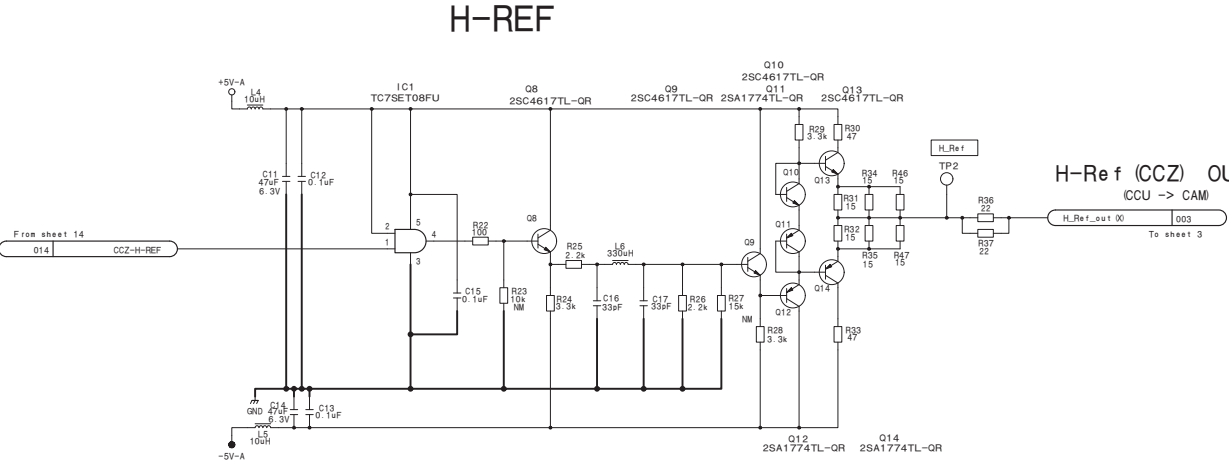
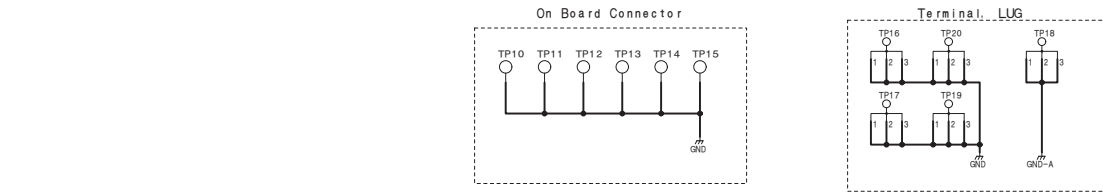
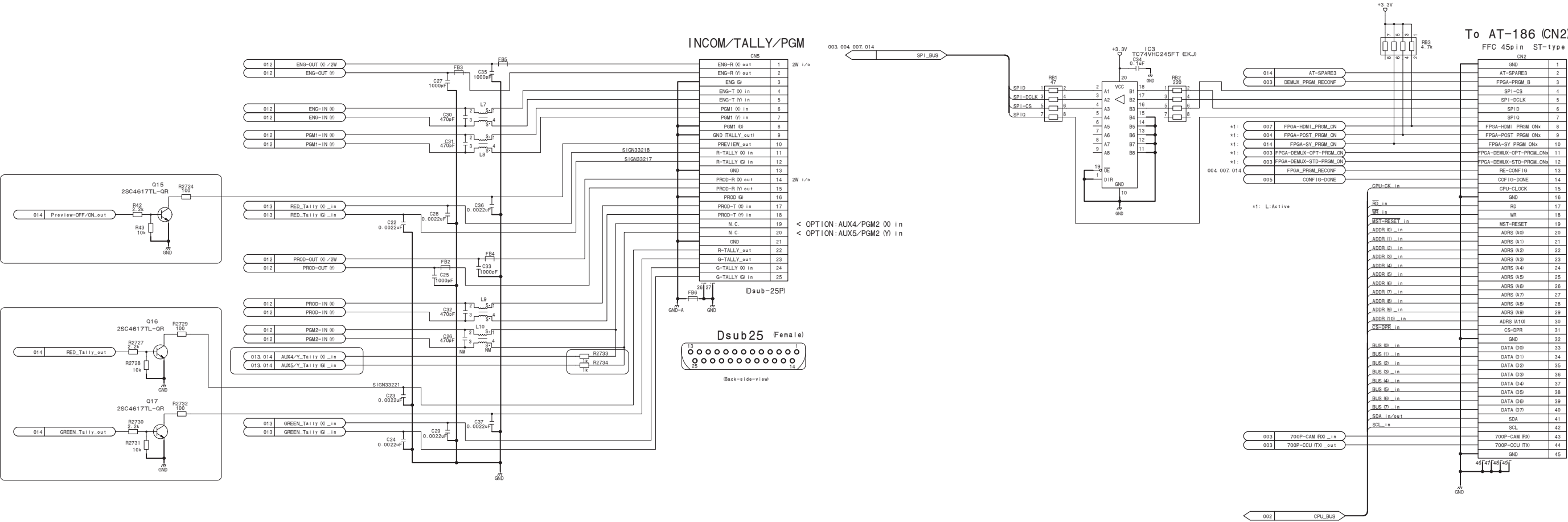


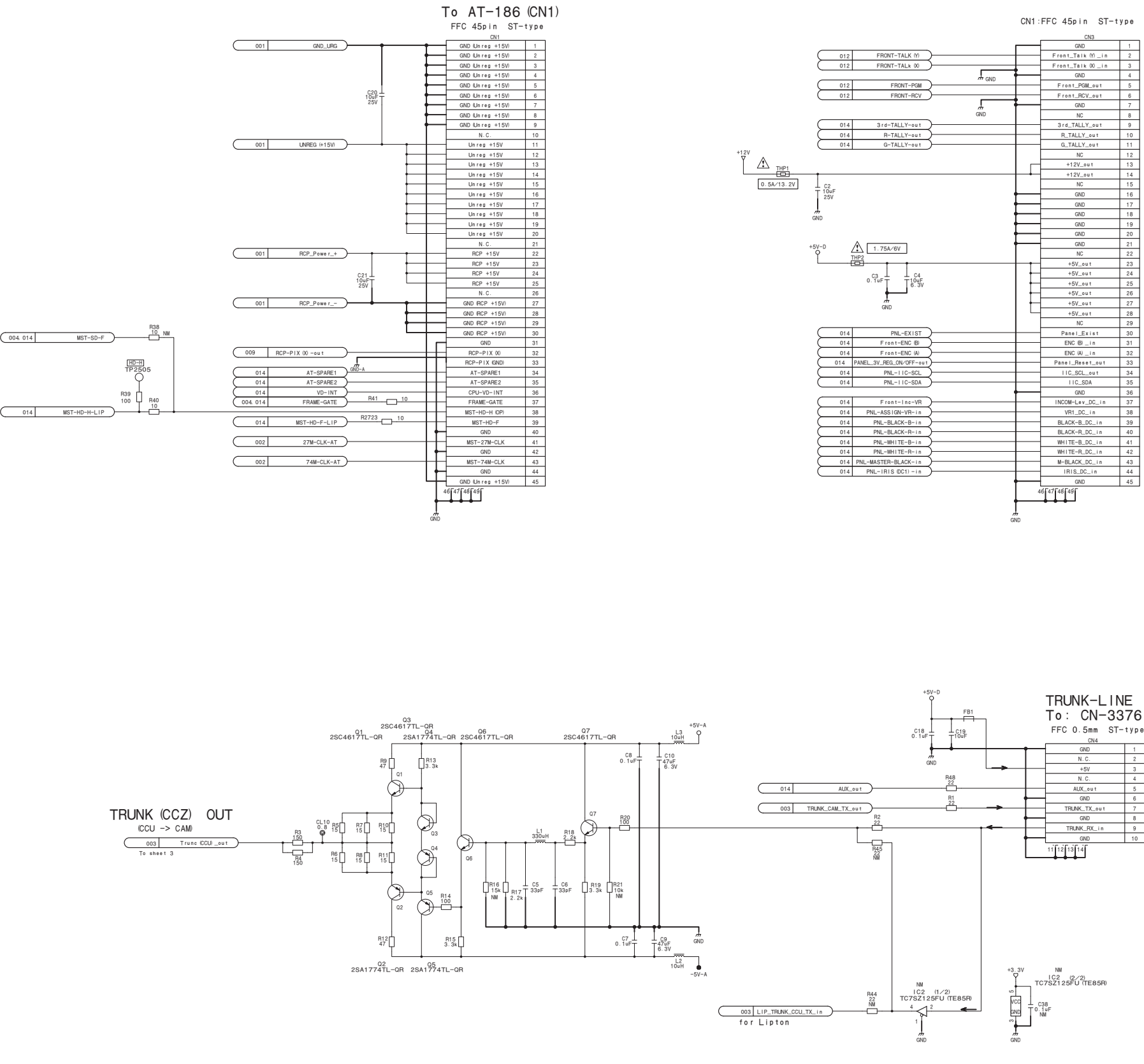
HXCU-D70_DPR-337_011_15

DPR-337 (15/16)_R

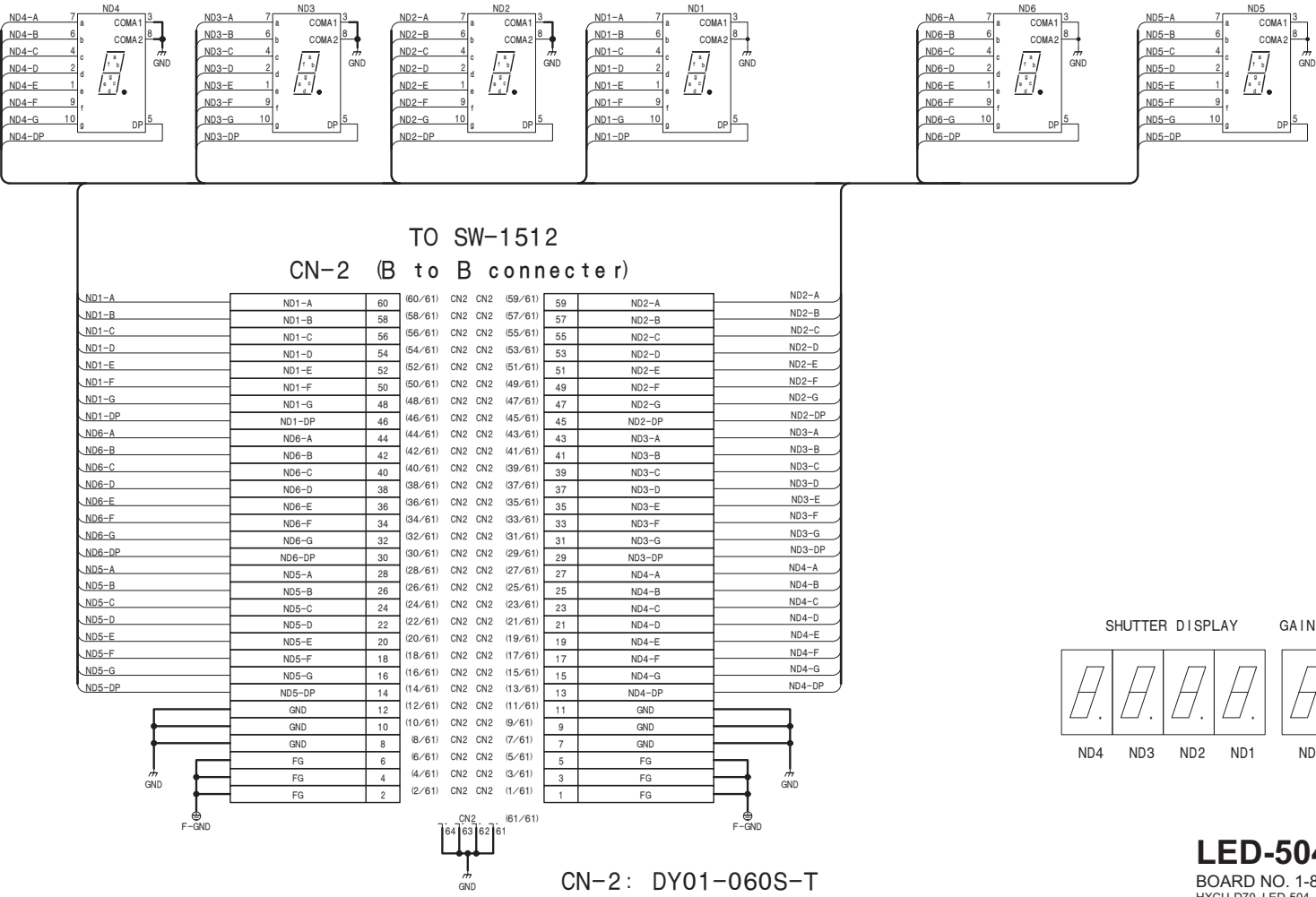


DPR-337 (15/16)
BOARD NO. 1-885-532-11
HXCUCU-D70_DPR-337_011_15

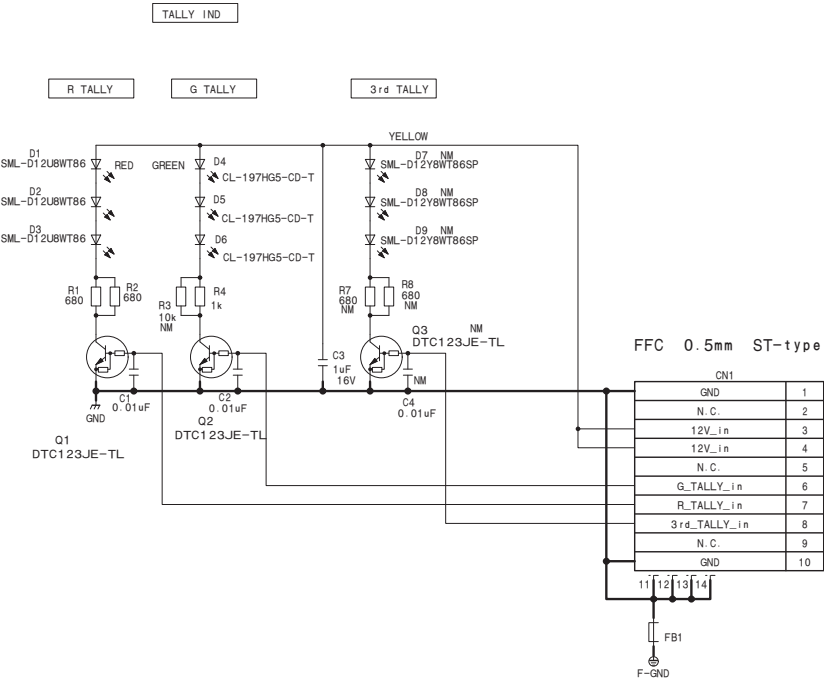




LED-504



LED-505

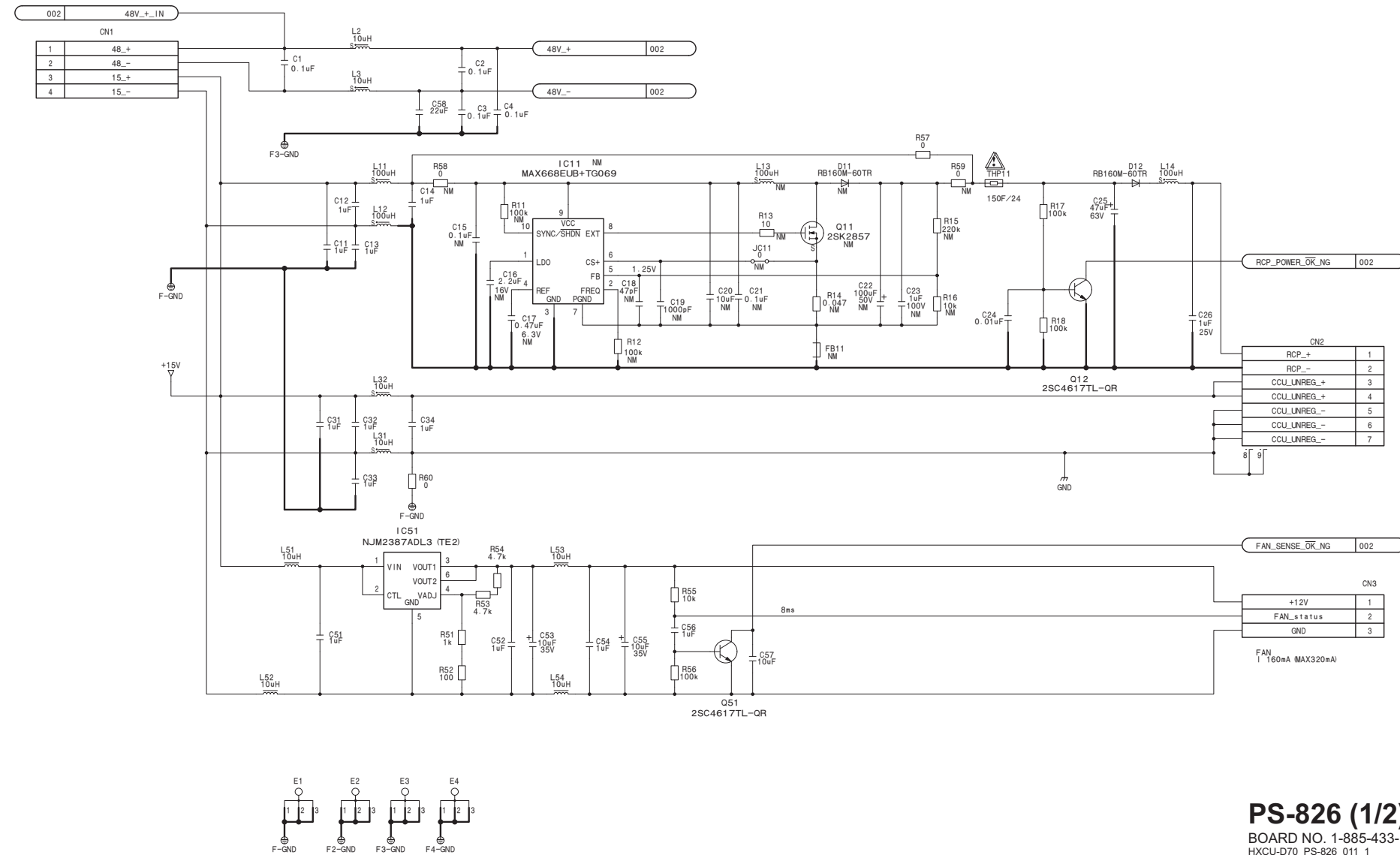


LED-505

BOARD NO. 1-885-439-11

HXCU-D70_LED-505_011_1

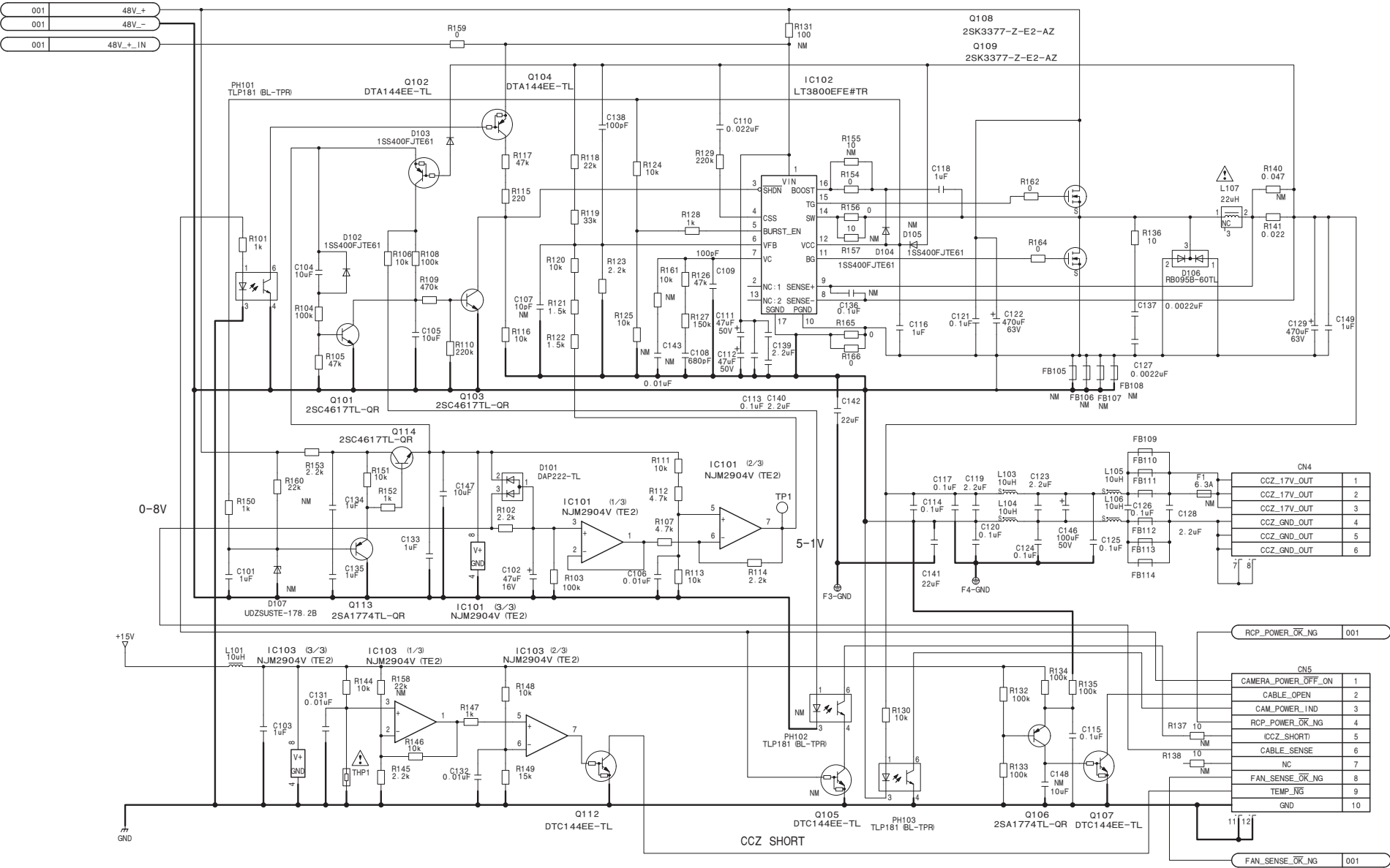
PS-826
PS-826 (1/2)



PS-826 (1/2)

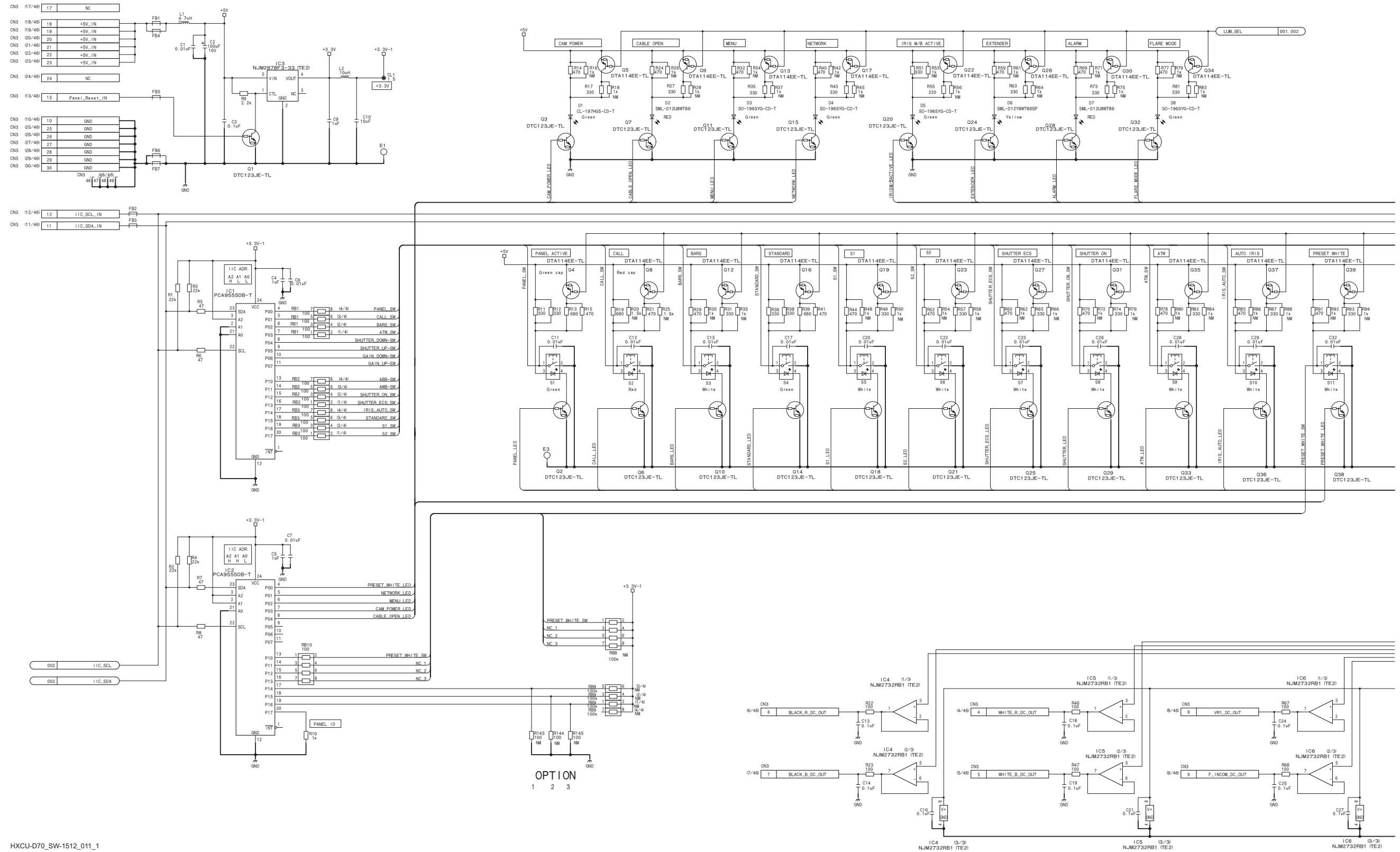
BOARD NO. 1-885-433-11
HXCUC-D70_PS-826_011_1

PS-826 (2/2)

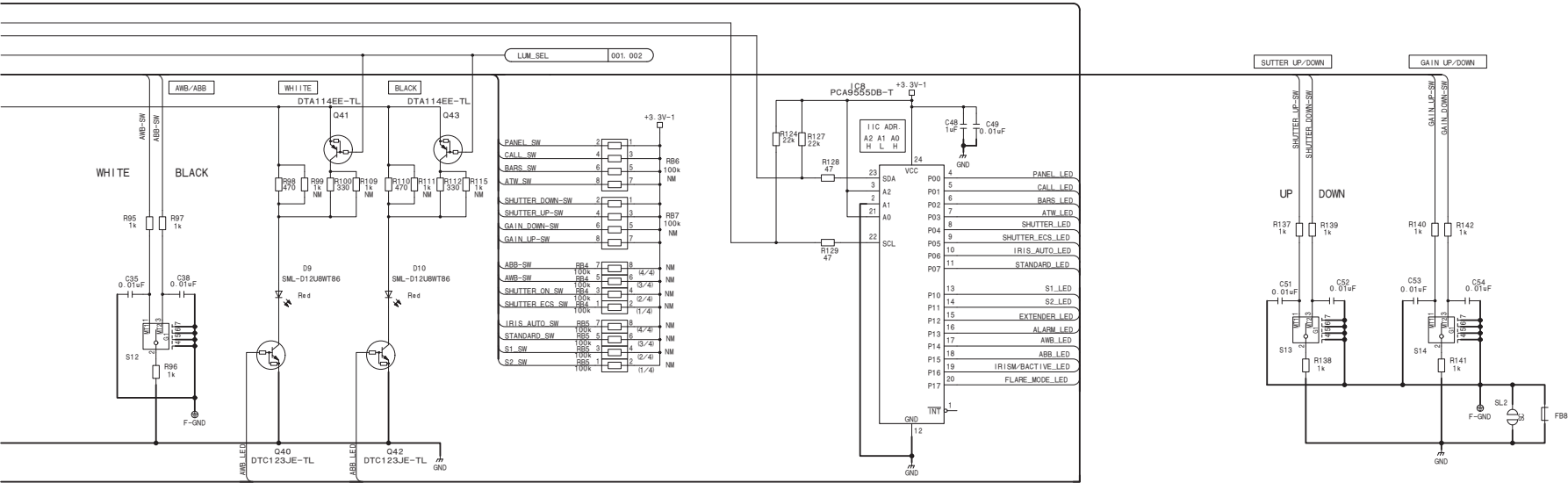


PS-826 (2/2)
BOARD NO. 1-885-433-11
HXCU-D70_PS-826_011_2

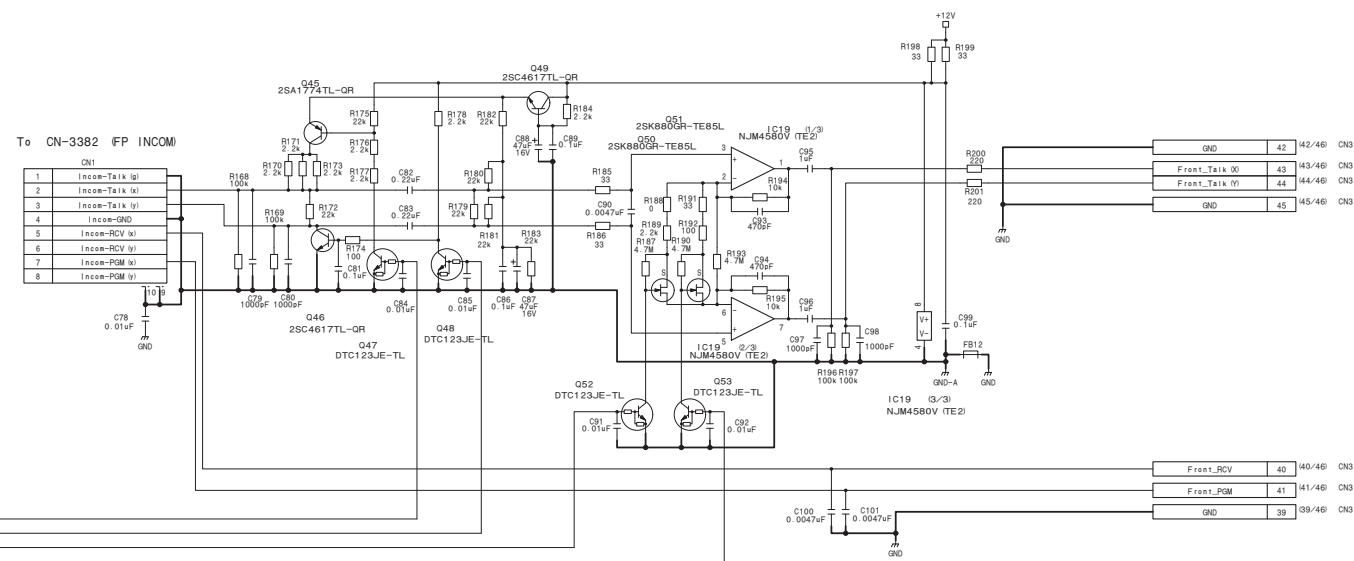
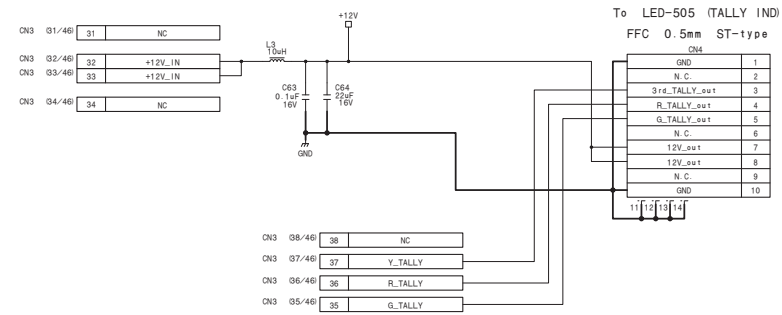
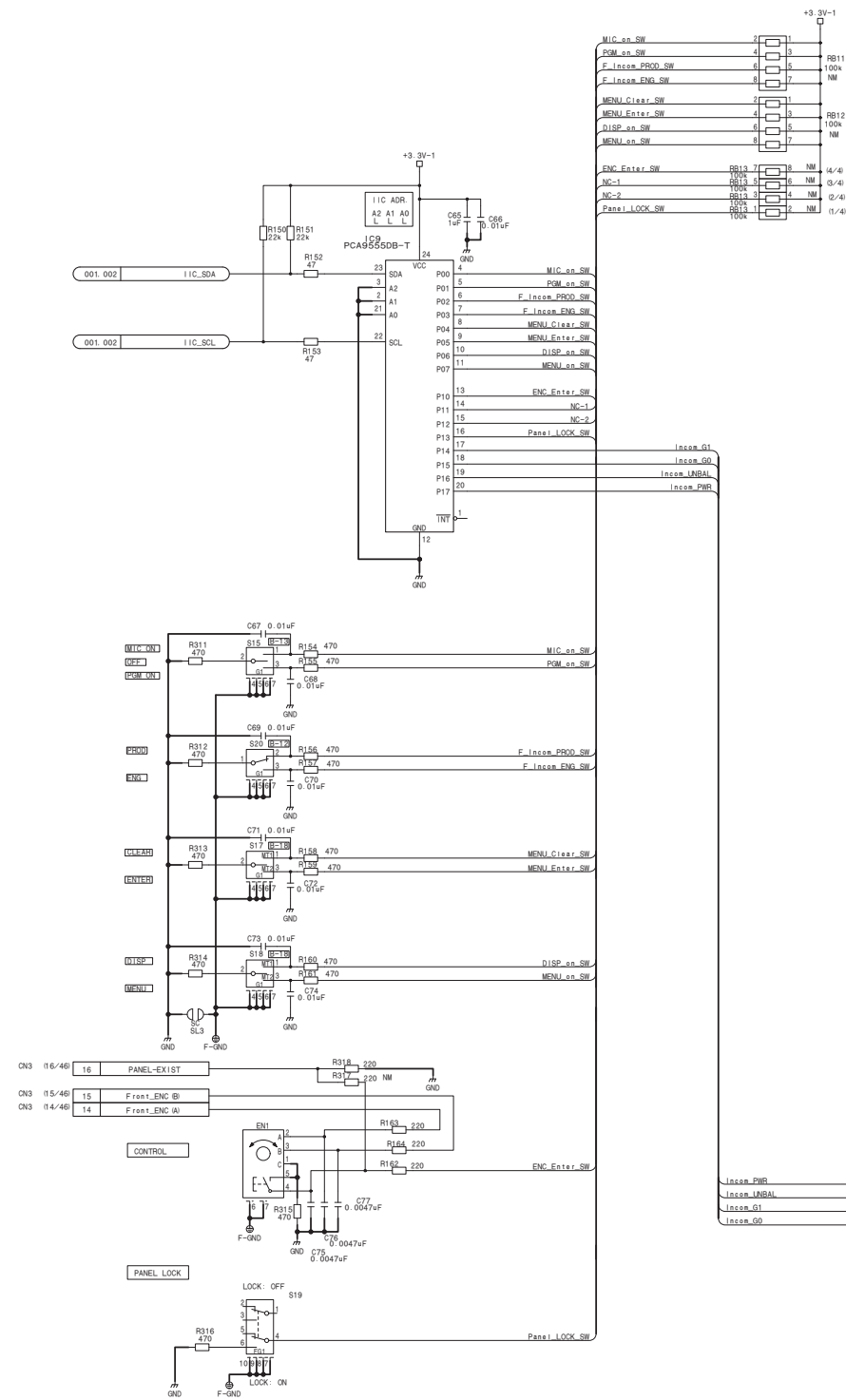
SW-1512
SW-1512 (1/2)_L



SW-1512 (1/2)_R

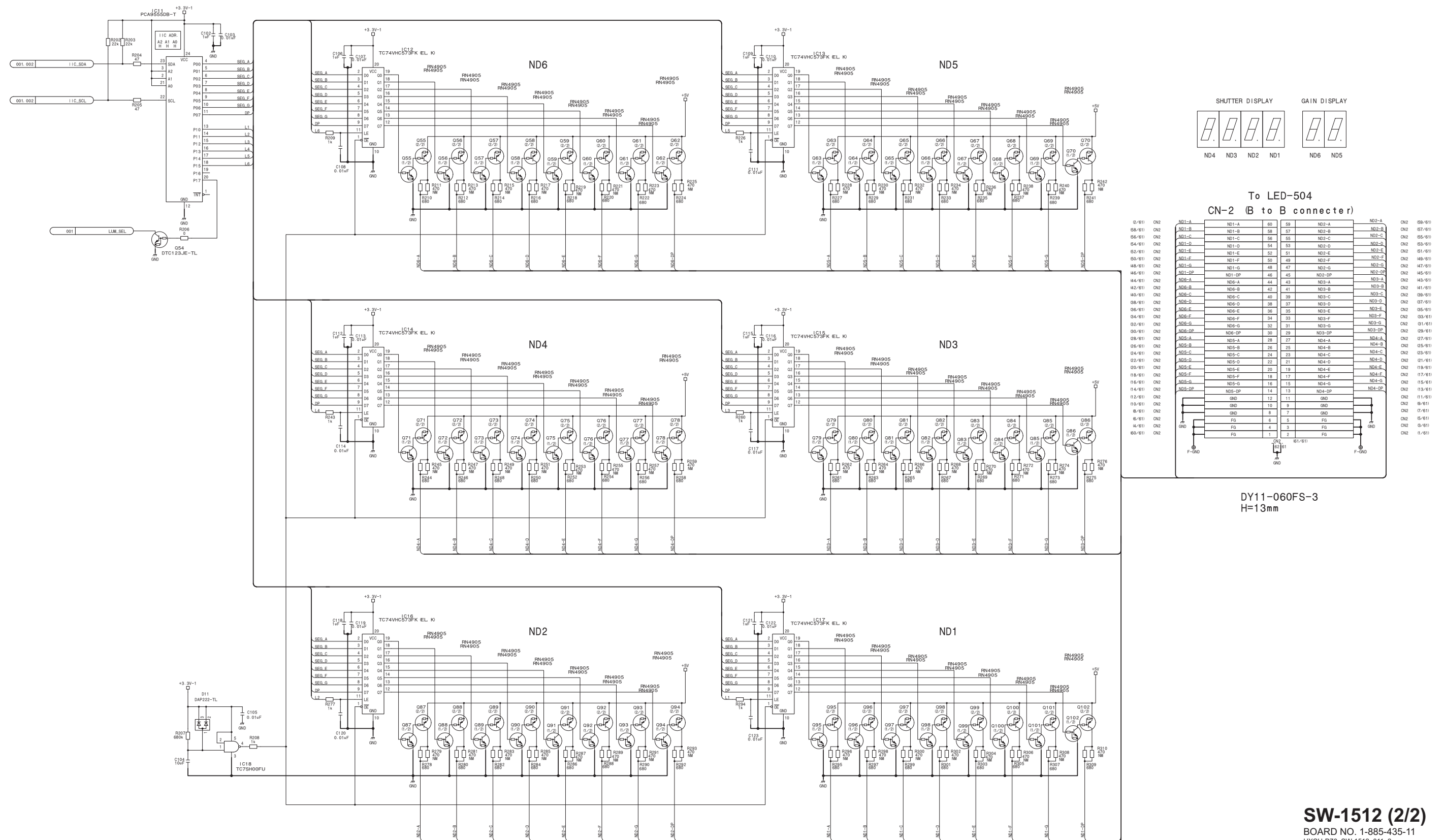


SW-1512 (2/2)_L



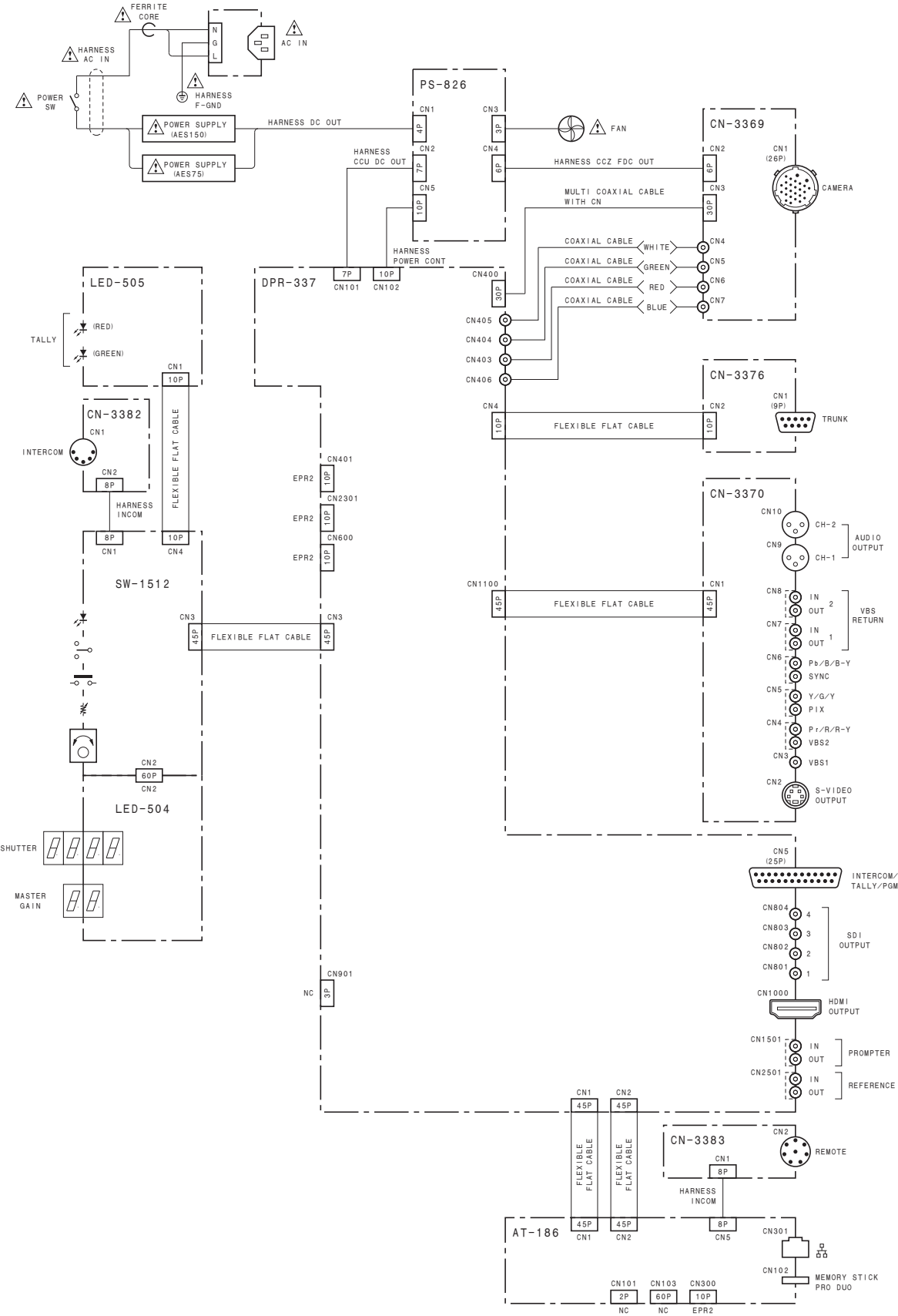
HXCU-D70_SW-1512_011_2

SW-1512 (2/2)_R



SW-1512 (2/2)
BOARD NO. 1-885-435-11
HXCUC-D70_SW-1512_011_2

Frame Wiring

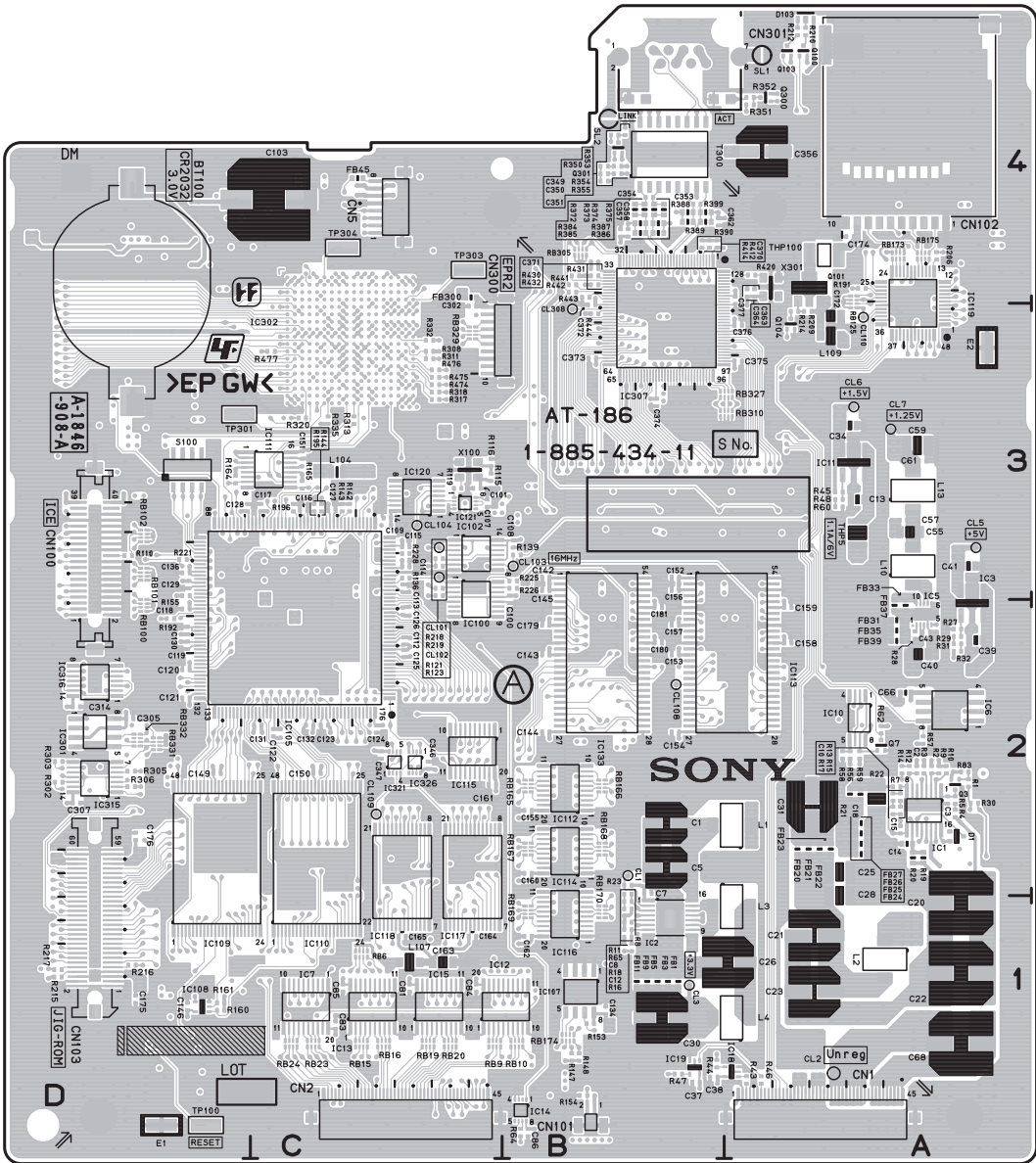


Frame Wiring

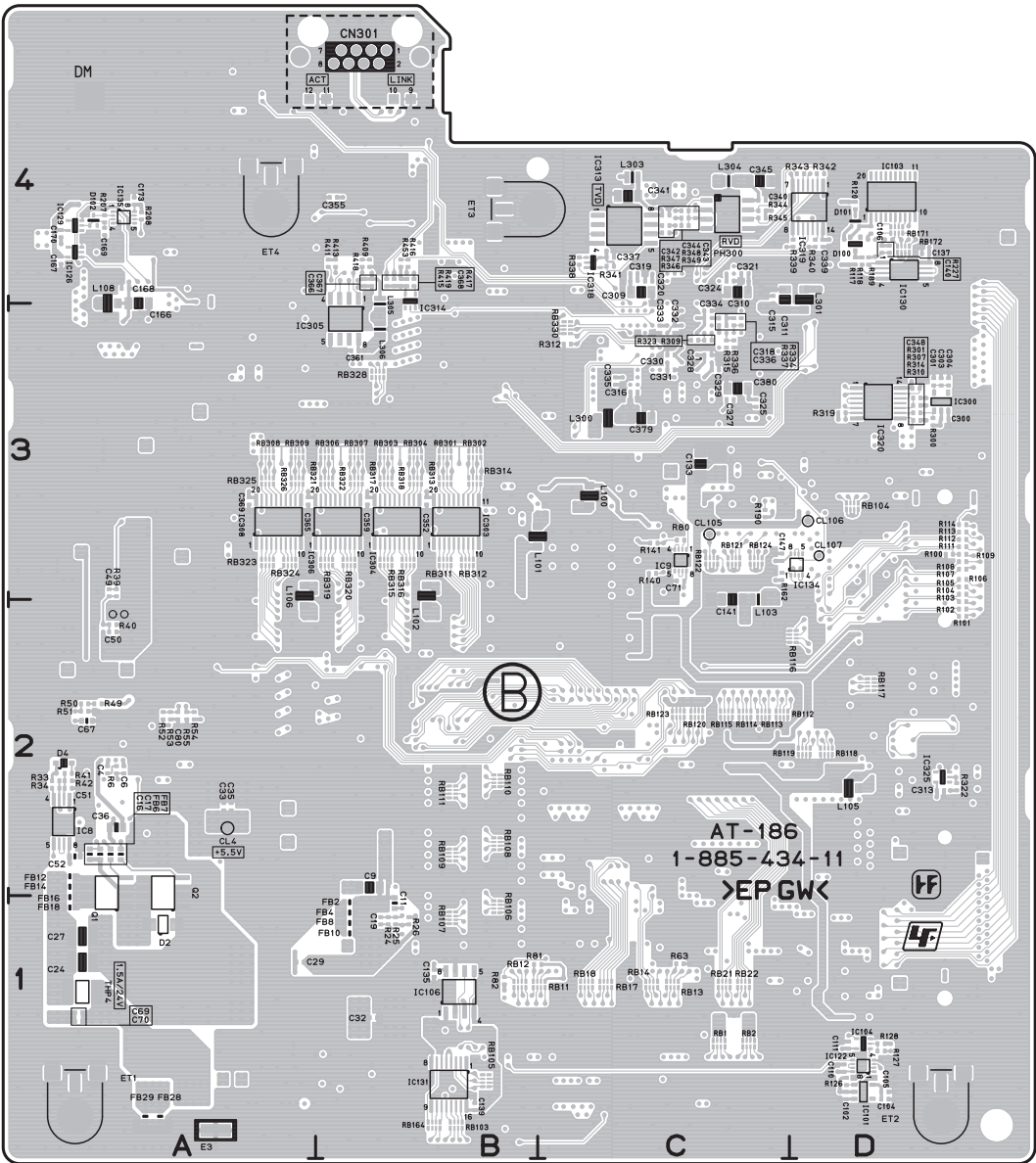
Section 10
Board Layouts

AT-186

The location is described at the end in this section.



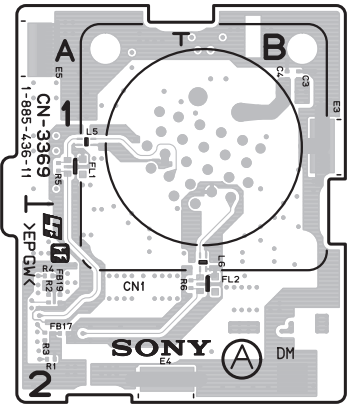
AT-186 -A SIDE-
SUFFIX: -11



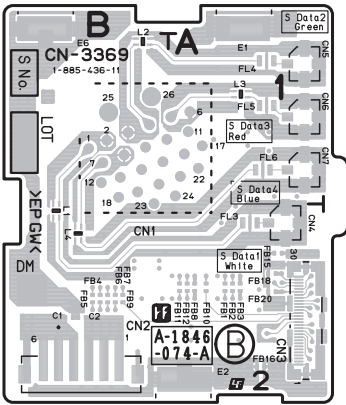
AT-186 -B SIDE-
SUFFIX: -11

CN-3369

The location is described at the end in this section.



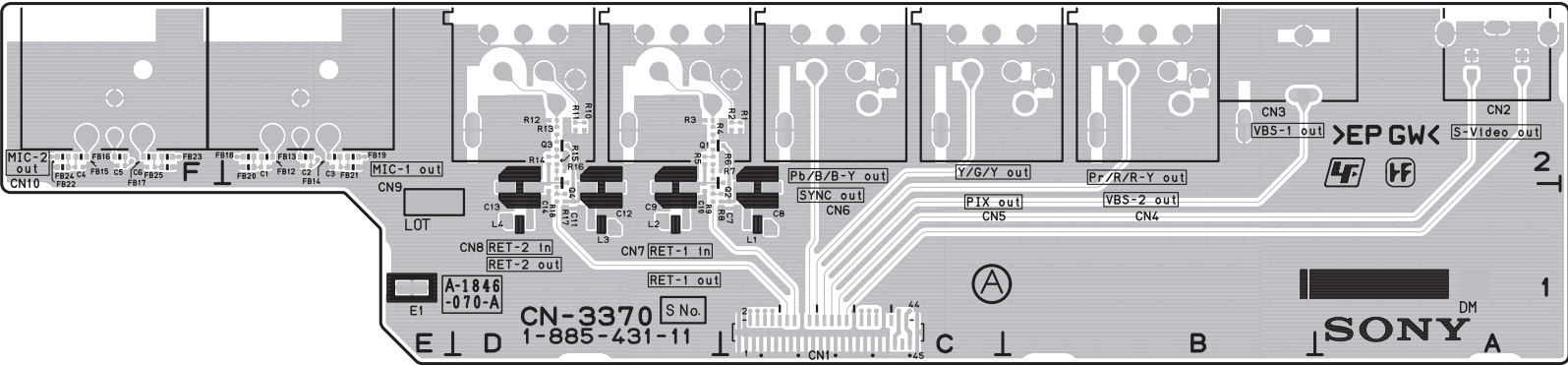
CN-3369 -A SIDE-
SUFFIX: -11



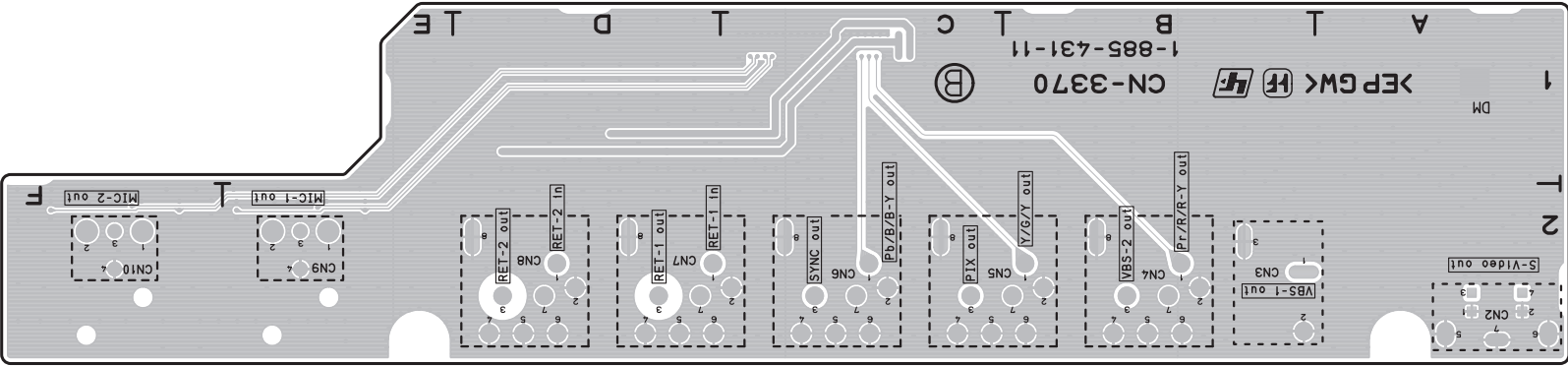
CN-3369 -B SIDE-
SUFFIX: -11

CN-3370

The location is described at the end in this section.



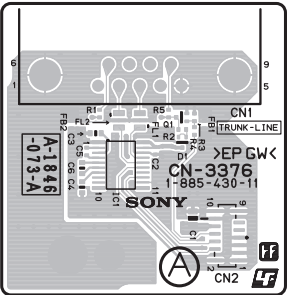
CN-3370 -A SIDE-
SUFFIX: -11



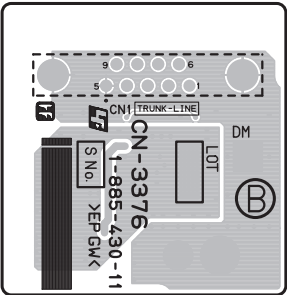
CN-3370 -B SIDE-
SUFFIX: -11

CN-3376

The location is described at the end in this section.



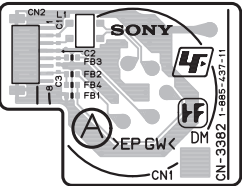
CN-3376 -A SIDE-
SUFFIX: -11



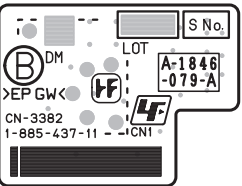
CN-3376 -B SIDE-
SUFFIX: -11

CN-3382

The location is described at the end in this section.



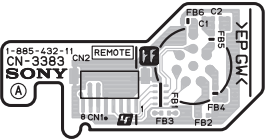
CN-3382 -A SIDE-
SUFFIX: -11



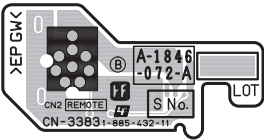
CN-3382 -B SIDE-
SUFFIX: -11

CN-3383

The location is described at the end in this section.



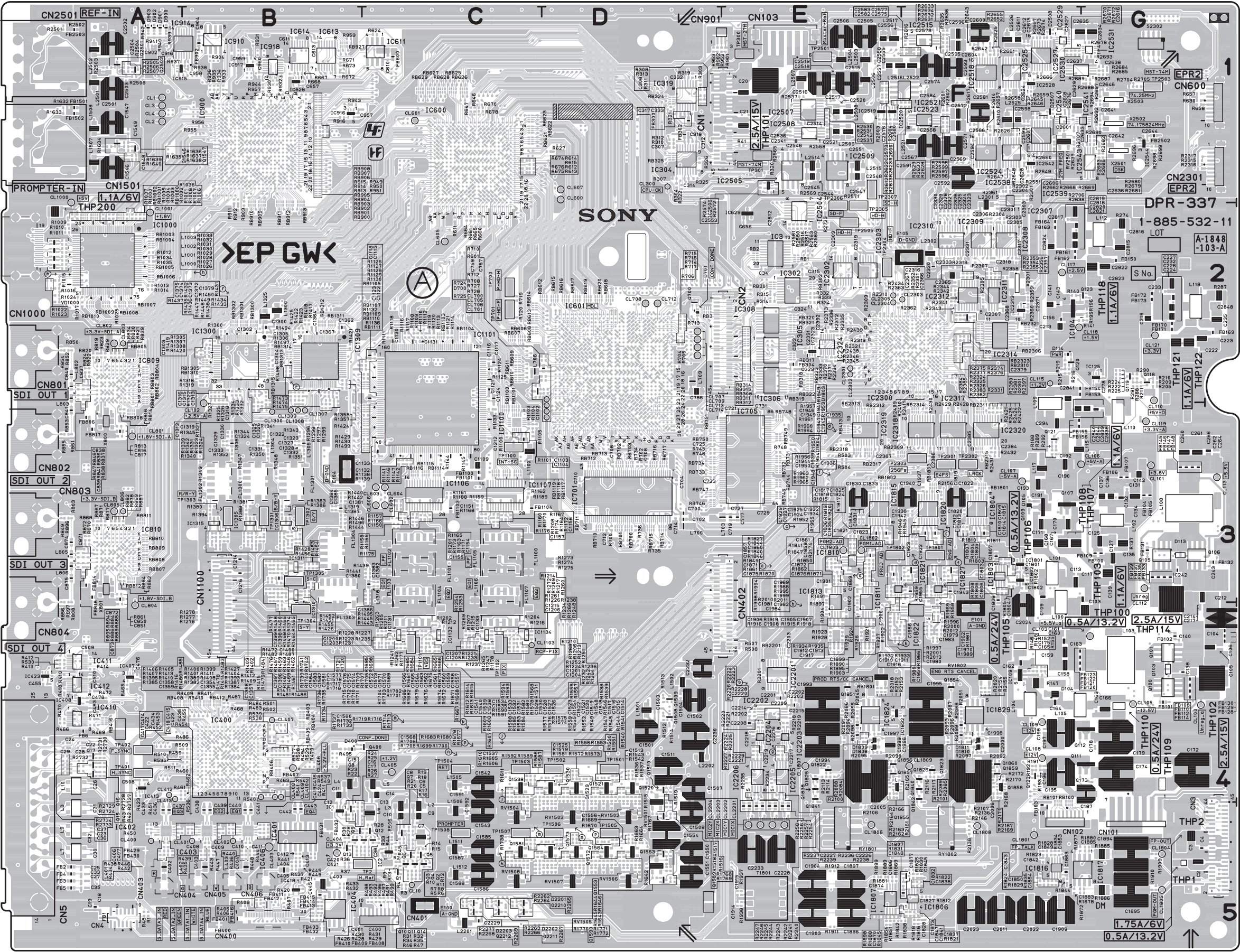
CN-3383 -A SIDE-
SUFFIX: -11



CN-3383 -B SIDE-
SUFFIX: -11

DPR-337

The location is described at the end in this section.

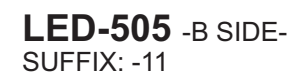
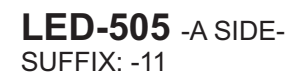


DPR-337 - A SIDE-
SUFFIX: -11

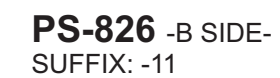
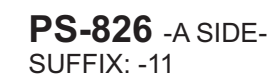
The location is described at the end in this section.



The location is described at the end in this section.

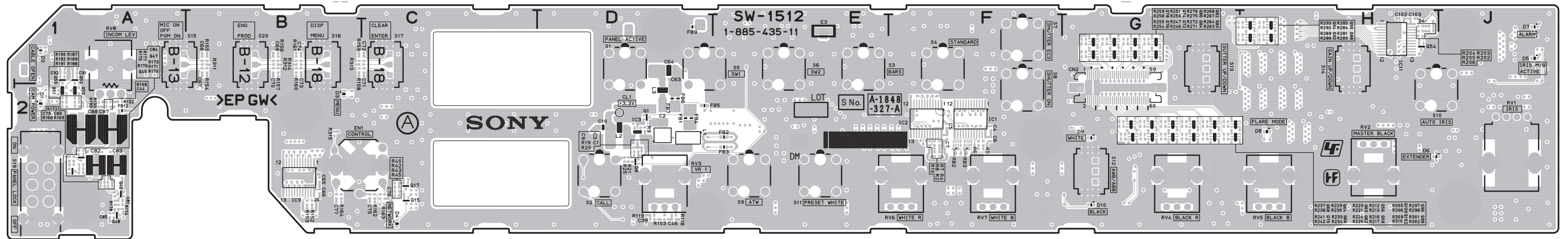


The location is described at the end in this section.

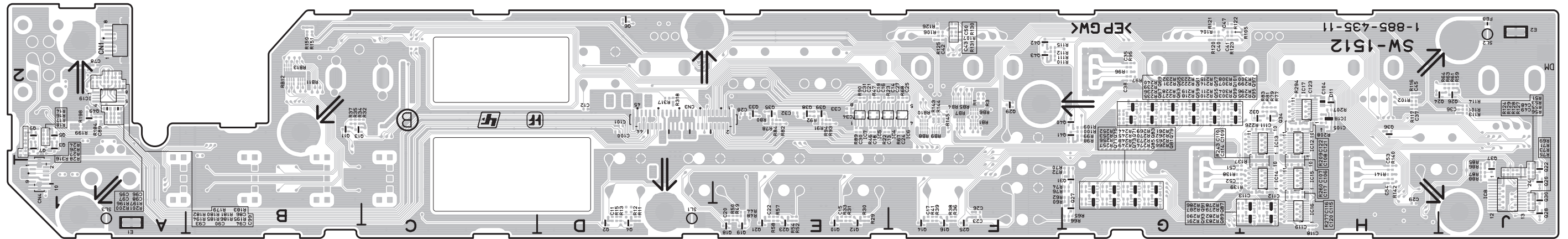


The location is described at the end in this section.

The location is described at the end in this section.



SW-1512 -A SIDE-SUFFIX: -11



SW-1512 -B SIDE-
SUFFIX: -11

Board Parts Location

AT-186		C111	* D1	C318	* C3	CN100	D3	IC107	B1	R2	A2	R117	* D4	R343	* D4	RB112	* C2	CN-3369		CN-3370		CN-3376		CN-3382		CN-3383		DPR-337		C138	G4	C220	* G3		
1-885-434-11		C112	C2	C319	* C4	CN101	B1	IC108	D1	R3	A2	R118	* D4	R344	* C4	RB113	* C2	1-885-436-11		1-885-431-11		1-885-430-11		1-885-437-11		1-885-432-11		1-885-532-11		C139	G3	C221	* G3		
*: B SIDE		C113	C3	C320	* C4	CN102	A4	IC109	D2	R4	A2	R119	C3	R345	* C4	RB114	* C2	*: B SIDE		*: B SIDE		*: B SIDE		*: B SIDE		*: B SIDE		*: B SIDE		C140	G4	C222	G2		
BT100	D4	C114	C3	C321	* C4	CN103	D1	IC110	C2	R5	A2	R120	* D4	R346	* C4	RB115	* C2	C1	* B2	C1	E2	C1	A1	C1	A1	C1	A1	C2	G5	C141	F2	C223	G2		
		C115	C3	C324	* C4	CN300	C3	IC111	C3	R6	* A2	R121	C3	R347	* C4	RB116	* D2													C142	G3	C224	G2		
C116	C3	C325	* C3	CN301	B4	IC112	B2	R7	A2	R123	C3	R348	* C4	RB117	* D2	C143	F2													C225	* G3				
C117	C3	C327	* C3			IC113	A2	R8	B1	R126	* D1	R349	* C4	RB118	* D2	C144	* G4													C226	G2				
C1	B2	C118	D2	C328	* C3	D1	A2	IC114	B2	R9	A2	R127	* D1	R350	B4	RB119	* D2	CN1	* B2	C1	E2	C1	F2	CN1	A1	CN1	A1	CN1	A1	C3	G5	C145	* G4	C227	G2
C2	A2	C119	D2	C329	* C3	D2	* A1	IC115	C2	R10	A2	R128	* D1	R351	A4	RB120	* C2															C146	* G4	C228	* G3
C3	A2	C120	D2	C330	* C3	D4	* A2	IC116	B1	R11	B2	R136	C3	R352	A4	RB121	* C3															C147	* G4	C229	* G2
C4	* A2	C121	D2	C331	* C3	D100	* D4	IC117	C2	R12	A2	R139	B3	R353	B4	RB122	* C3															C148	* G4	C230	* G3
C5	B2	C122	C2	C332	* C3	D101	* D4	IC118	C2	R13	A2	R140	* C3	R354	B4	RB123	* C2	CN2	* B2	C1	C1	CN1	A1	FB1	A1	CN2	A1	C7	C5	C149	* G4	C231	* G3		
C6	* A2	C123	C2	C333	* C3	D102	* A4	IC119	A4	R14	A2	R141	* C3	R355	B4	RB124	* C3													C150	* G4	C232	G2		
C7	B2	C124	C2	C334	* C3	D103	A4	IC120	C3	R15	A2	R142	C3	R372	B4	RB125	A4													C151	* G4	C233	G2		
C8	B1	C125	C2	C335	* C3			IC121	C3	R16	B1	R143	C3	R373	B4	RB164	* B1													C152	* G4	C234	* G2		
C9	* B2	C126	C2	C336	* C3	E1	D1	IC122	* D1	R17	A2	R144	C3	R374	B4	RB165	B2	CN2	* B2	C1	C1	CN1	A1	FB2	A1	CN2	A1	C8	C5	C148	* G4	C230	* G3		
C10	A2	C127	C3	C337	* C4	E2	A3	IC126	* A4	R18	B1	R147	B1	R375	B4	RB166	B2													C153	* G4	C235	G2		
C11	* B1	C128	D3	C339	* D4	E3	* A1	IC129	* A4	R19	A2	R148	B1	R384	B4	RB167	B2													C154	* G4	C236	* G2		
C12	B1	C129	D3	C340	* C4			IC130	* D4	R20	A2	R153	B1	R385	B4	RB168	B2													C155	* G4	C237	* G3		
C13	A3	C130	D2	C341	* C4	ET1	* A1	IC131	* B1	R21	A2	R154	B1	R386	B4	RB169	B1	CN1	C1	FL1	A1	FL2	A1	CN2	A2	CN3	B2	IC1	A1	C156	F2	C238	* G3		
C14	A2	C131	C2	C342	* C4	ET2	* D1	IC133	B2	R22	A2	R155	D3	R387	B4	RB170	B1													C157	* G3	C239	* G3		
C15	A2	C132	C2	C343	* C4	ET3	* B4	IC134	* D3	R23	B2	R160	D1	R388	B4	RB171	* D4													C158	F4	C240	* G3		
C16	* A2	C133	* C3	C344	* C4	ET4	* A4	IC135	* A4	R24	* B1	R161	D1	R389	B4	RB172	* D4													C159	F4	C241	* G3		
C17	* A2	C134	B1	C345	* C4			IC300	* D3	R25	* B1	R162	* C3	R390	B4	RB173	A4	CN4	B2	Q1	A1	R1	A1	R2	A1	R3	A1	R4	A1	C160	F4	C242	G3		
C18	A2	C135	* B1	C346	C2	FB1	B1	IC301	D2	R26	* B1	R164	D3	R399	B4	RB174	B1													C161	F4	C243	G3		
C19	* B1	C136	D3	C347	C2	FB2	* B1	IC302	C3	R27	A2	R165	C3	R409	* B4	RB175	A4													C162	F4	C244	* G3		
C20	A1	C137	* D4	C348	* D3	FB3	B1	IC303	* B3	R28	A2	R189	* D4	R411	* B4	RB301	* B3													C163	F4	C245	* G3		
C21	A1	C139	* B1	C349	B4	FB4	* B1	IC304	* B3	R29	A2	R190	* C3	R412	B4	RB302	* B3	CN7	D2	R1	A1	R2	A1	R3	A1	R4	A1	R5	A1	C164	F4	C246	* G3		
C22	A1	C140	* D4	C350	B4	FB5	B1	IC305	* B3	R30	A2	R191	A4	R413	* B4	RB303	* B3													C165	F4	C247	* G3		
C23	A1	C141	* C3	C351	B4	FB6	* A2	IC306	* B3	R31	A2	R192	D2	R414	B4	RB304	* B3	CN8	E2	CN9	E2	CN10	F2	R1	A1	R2	A1	R3	A1	C166	G4	C248	* G3		
C24	* A1	C142	B3	C352	* B3	FB7	* A2	IC307	B3	R32	A2	R195	C3	R415	* B4	RB305	B4													C167	F3	C249	* G3		
C25	A2	C143	B2	C353	B4	FB8	* B1	IC308	* A3	R33	* A2	R196	C3	R416	* B4	RB306	* B3	CN9	E2	CN10	F2	R1	A1	R2	A1	R3	A1	R4	A1	C168	F3	C250	* G3		
C26	A1	C144	B2	C354	B4	FB9	B1	IC313	* C4	R34	* A2	R206	A4	R417	* B4	RB307	* B3													C169	G4	C251	* G3		
C27	* A1	C145	B3	C355	* B4	FB10	* B1	IC314	* B4	R39	* A3	R207	* A4	R418	* B4	RB308	* A3	CN10	F2	E1	E1	FB12	E2	FB13	E2	FB14	E2	FB15	F2	C170	F3	C252	* G3		
C28	A2	C146	D1	C356	A4	FB11	B1	IC315	D2	R40	* A2	R208	* A4	R419	* B4	RB309	* A3													C171	F3	C253	* G3		
C29	* A1	C147	* C3	C357	B4	FB12	* A2	IC316	D2	R41	* A2	R209	A3	R420	A4	RB310	A3	CN11	F2	FB12	E2	FB13	E2	FB14	E2	FB15	F2	FB16	F2	C172	G4	C255	* G3		
C30	B1	C149	D2	C358	B4	FB14	* A2	IC318	* C4	R42	* A2	R210	A4	R430	B4	RB311	* B3													C173	G4	C257	* G3		
C31	A2	C150	C2	C359	* B3	FB16	* A1	IC319	* D4	R43	A1	R212	A4	R431	B4	RB312	* B3	CN12	F2	FB16	F2	FB17	F2	FB18	E2	FB19	E2	FB20	E2	C174	G4	C259	* G3		
C32	* B1	C151	C3	C361	* B3	FB18	* A1	IC320	* D3	R44	B1	R214	A3	R432	B4	RB313	* B3													C175	F4	C260	G3		
C33	* A2	C152	B3	C362	B4	FB20	A2	IC321	C2	R45	A3	R215	D1	R441	B4	RB314	* B3	CN13	F2	FB17	F2	FB18	E2	FB19	E2	FB20	E2	FB21	E2	C176	* F3	C261	G3		
C34	A3	C153	B2	C363	A4	FB21	A2	IC325	* D2	R46	A1	R216	D1	R442	B4	RB315	* B3													C177	* F3	C262	G3		
C35	* A2	C154	B2	C364	A4	FB22	A2	IC326	C2	R47	B1	R217	D1	R443	B4	RB316	* B3	CN14	F2	FB20	E2	FB21	E2	FB22	F2	FB23	F2	FB24	F2	C178	G4	C264	G3		
C36	* A2	C155	B2	C365	* A3	FB23	A2			R48	A3	R218	C3	R444	B3	RB317	* B3													C179	G4	C266	G3		
C37	B1	C156	B3	C366	* B4	FB24	A2	L1	A2	R49	* A2	R219	C3	R453	* B4	RB318	* B3	CN15	F2	FB22	F2	FB23	F2	FB24	F2	FB25	F2	L1	C1	C180	* F3	C270	* G3		
C38	B1	C157	B2	C367	* B4	FB25	A2	L2	A1	R50	* A2	R221	D3	R474	C3	RB319	* B3													C181	* F4 <td>C276</td> <th>* F2</th>	C276	* F2		
C39	A2	C158	A2	C368	* B4	FB26	A2	L3	A1	R51	* A2	R225	B3	R475	C3	RB320	* B3	CN16	F2	FB23	F2	FB24	F2	FB25	F2	L1	C1	L2	D1	C182	* F3	C278	G2		
C40	A2	C159	A2	C369	* A3	FB27	A2	L4	A1	R52	* A2	R226	B3	R476	C3	RB321	* B3													C183	* F3 <td>C280</td> <th>* F2</th>	C280	* F2		
C41	A3	C160	B2	C370	B4	FB28	* A1	L10	A3	R53	* A2	R227	* D4	R477	C3	RB322	* B3	CN17	F2	FB24	F2	FB25	F2	L1	C1	L2	D1	L3	D1	C184	* F3 <td>C282</td> <th>* G2</th>	C282	* G2		
C42	A2	C161	C2	C371	B4	FB29	* A1	L13	A3	R54	* A2	R228	C3			RB323	* A3													C185	* F3 <td>C283</td> <th>* G2</th>	C283	* G2		
C43	A2	C162	B1	C372	B3	FB31	A2	L100	* C3	R55	* A2	R300	* D3	RB1	* C1	RB324	* A3	CN18	F2	FB25	F2	L1	C1	L2	D1	L3	D1	L4	D1	C186	* F4	C285	* F2		
C44	A2	C163	C1	C373	B3	FB33	A2	L101	* B3	R56	A2	R301	* D3	RB2	* C1	RB325	* A3													C187	* F4 <td>C286</td> <th>* G2</th>	C286	* G2		
C45	A3	C164	C1	C374	B3	FB35	A2	L102	* B3	R57	A2	R302	D2	RB6	C1	RB326	* A3	CN19	F2	FB26	F2	L1	C1	L2	D1	L3	D1	L4	D1	C188	* F4	C289	* F2		
C46	A3	C165	C1	C375	A3	FB37	A2	L103	* C3	R58	A2	R303	D2	RB9	C1	RB327	A3													C189	* F4 <td>C290</td> <th>* G2</th>	C290	* G2		
C47	A3	C166	* A4	C376	A3	FB39	A2	L104	C3	R59	A2	R305	D2	RB10	B1	RB328	* B3	CN20	F2	FB27	F2	L1	C1	L2	D1	</									

C326	* D2	C469	* B4	C632	* C1	C755	* D2	C855	* A3	C1005	* A2	C1182	* C3	C1355	B3	C1544	* C4	C1834	E3	C1917	E4	C2000	F4	C2324	F2	C2516	E1	C2619	* F1	CL410	B4	D103	G4
C327	* D2	C470	* B4	C633	* C1	C756	* D2	C857	* A3	C1006	* A2	C1183	* C3	C1356	B3	C1545	* C4	C1835	E3	C1918	* E3	C2001	* E4	C2325	F2	C2517	E1	C2620	* F1	CL412	A4	D104	F4
C328	* E2	C471	* B4	C634	* C1	C757	D2	C858	* A3	C1007	* A2	C1184	* C3	C1357	B3	C1546	A1	C1836	E3	C1919	* E3	C2002	* E4	C2326	F2	C2518	E1	C2621	* F1	CL413	A4	D105	F3
C329	* E2	C472	* B4	C635	* C1	C758	* D2	C860	* A3	C1008	* A2	C1185	* C3	C1358	B3	C1547	A1	C1837	F5	C1920	* E3	C2003	* F4	C2327	F2	C2519	E1	C2624	F1	CL600	D1	D106	* F4
C330	* D2	C473	* B4	C636	* C1	C759	D2	C861	* A3	C1009	* A2	C1186	* C4	C1359	B3	C1548	A1	C1838	F5	C1921	* F3	C2004	* F4	C2328	F2	C2520	E1	C2627	F1	CL601	C1	D107	* F4
C331	* D1	C474	* A4	C637	* C1	C760	* D2	C862	* A3	C1010	* A2	C1187	* C4	C1362	B2	C1549	A1	C1839	* F5	C1922	F3	C2005	E4	C2329	F2	C2521	E1	C2628	F1	CL602	C3	D108	* G3
C332	D1	C475	* B5	C638	* C1	C761	* D2	C863	* A3	C1011	* A2	C1188	* C3	C1363	* B2	C1550	D5	C1840	* F5	C1923	F3	C2006	F4	C2330	F2	C2530	* E1	C2629	F1	CL603	C3	D112	* G3
C333	D1	C476	A4	C639	* C1	C762	* D2	C864	* A3	C1012	* A2	C1189	* C4	C1364	B2	C1551	D5	C1841	F5	C1924	F3	C2007	* E4	C2331	F2	C2531	* F1	C2630	* F1	CL604	C3	D113	G3
C334	* D1	C477	* A4	C640	* C1	C763	* D2	C866	* A3	C1013	* A2	C1190	* C4	C1365	* B2	C1552	* D5	C1842	F5	C1925	F3	C2008	* E4	C2332	* G1	C2532	* F1	C2631	* F1	CL605	C2	D114	F2
C335	* D1	C478	A4	C641	* C1	C764	* D2	C867	* A3	C1014	* A2	C1191	* C4	C1366	* B2	C1553	* D5	C1843	F5	C1926	* F3	C2009	* F4	C2333	F2	C2534	* F1	C2632	* F1	CL606	C3	D115	* F3
C336	* D1	C479	* B4	C642	* C1	C765	* D2	C869	* A3	C1015	* A2	C1192	* C4	C1367	B2	C1554	D5	C1844	E3	C1927	F3	C2010	* F4	C2334	* E3	C2536	E1	C2633	F1	CL607	D1	D400	B4
C338	* D1	C480	* B4	C643	* C1	C766	* D3	C870	* A3	C1016	* A2	C1193	* C4	C1372	B2	C1555	* D5	C1845	F5	C1928	* F3	C2011	F5	C2335	* F2	C2537	E1	C2634	G1	CL700	D2	D401	* B4
C339	* D1	C481	* B4	C644	* C1	C767	* D2	C871	A3	C1017	* A2	C1194	* C4	C1373	B2	C1556	D5	C1846	* F5	C1929	F3	C2012	* E4	C2336	* E2	C2541	E1	C2635	F1	CL701	D3	D402	* C4
C340	* D1	C482	* B4	C645	* C1	C768	* D2	C872	A3	C1018	* A2	C1195	* C3	C1374	B2	C1557	D5	C1847	F5	C1930	* F3	C2013	* E4	C2337	* E2	C2542	E1	C2636	G1	CL705	D3	D403	* C5
C400	B5	C483	A4	C646	* C1	C769	* D2	C873	A3	C1019	* A2	C1196	* C4	C1375	B2	C1558	D5	C1848	F5	C1931	* F3	C2014	* F4	C2338	* E2	C2544	E1	C2637	G1	CL706	D3	D700	C2
C401	B5	C484	* B4	C647	* C2	C770	* D2	C874	A3	C1020	* A2	C1197	* C4	C1376	* B2	C1559	D5	C1849	F5	C1932	F3	C2015	* F4	C2339	* F2	C2545	E1	C2638	G1	CL707	D2	D701	D2
C402	A5	C485	* B4	C648	* C1	C771	* D2	C875	A3	C1021	* A2	C1198	* C3	C1377	* B2	C1560	D5	C1850	F5	C1933	* F3	C2016	* E4	C2340	* F2	C2546	E1	C2639	* G1	CL708	D2	D900	A1
C403	B5	C486	* B4	C649	* C1	C772	* D2	C900	* B1	C1022	* A1	C1199	* C3	C1378	* B2	C1561	D5	C1851	* E5	C1934	F3	C2017	* E4	C2341	* F2	C2547	E1	C2640	* G1	CL709	D2	D901	A1
C404	B5	C487	* B4	C650	* C1	C773	* D2	C901	* B1	C1023	* A1	C1200	C4	C1379	B2	C1562	D5	C1852	* E5	C1935	F3	C2018	* F4	C2342	* F2	C2548	E1	C2641	G1	CL712	D2	D902	A1
C405	B5	C490	* B4	C651	* C1	C774	* D2	C902	A1	C1024	* A1	C1201	C4	C1380	C3	C1563	D5	C1853	F5	C1936	F3	C2019	* F4	C2343	* E2	C2551	E1	C2642	G1	CL713	D2	D903	A1
C406	A5	C491	* B4	C652	* C1	C775	* D2	C903	* B1	C1025	* A2	C1202	* C3	C1381	B3	C1564	D5	C1854	F5	C1937	F3	C2020	* E5	C2344	* F2	C2553	E1	C2643	* G1	CL714	D2	D1502	* D5
C407	A5	C493	* B4	C653	* C2	C776	* D2	C904	B1	C1026	* A1	C1203	C4	C1382	C3	C1565	D5	C1855	* F5	C1938	F3	C2021	* F5	C2345	* F2	C2555	E1	C2644	G1	CL801	A3	D1503	* D4
C408	B5	C496	* B4	C654	* C1	C777	* D2	C905	* B1	C1027	* A1	C1204	C4	C1383	C3	C1566	D5	C1856	* F5	C1939	F3	C2022	F5	C2346	* F2	C2556	E1	C2646	G1	CL802	A2	D1803	F3
C409	B5	C497	* B4	C655	* C1	C778	* D2	C906	* B1	C1028	* A1	C1205	C4	C1384	B3	C1567	* D5	C1857	E3	C1940	F3	C2023	F5	C2347	* F2	C2557	E1	C2655	* G1	CL803	A2	D1804	F3
C410	B5	C500	* B4	C656	E2	C779	* E2	C907	* B1	C1029	* A2	C1206	C4	C1385	B3	C1568	D5	C1858	E3	C1941	F3	C2024	F4	C2348	* F2	C2558	E1	C2658	* G1	CL804	A4	D1805	* E5
C411	B5	C501	* B4	C657	B1	C780	* D3	C908	* B1	C1030	* A2	C1207	C4	C1386	C3	C1569	D5	C1859	* F5	C1942	F3	C2025	* E4	C2349	* F2	C2559	* F1	C2659	* F1	CL805	A3	D1806	* F5
C412	B5	C504	* B4	C658	* C1	C781	* D3	C909	* B1	C1101	* C3	C1208	* B2	C1387	B3	C1570	D5	C1860	E3	C1943	F3	C2026	* E4	C2350	* E2	C2560	* F1	C2813	* G2	CL806	A3	D1807	F5
C413	B5	C505	* B4	C659	* C1	C782	* D2	C910	* B1	C1102	C3	C1209	* B2	C1388	* B3	C1571	D5	C1861	E3	C1944	F3	C2027	* F4	C2351	* F2	C2561	* F1	C2814	* G2	CL1000	A2	D1808	E4
C414	A5	C506	* B4	C700	D3	C783	* D3	C911	* B1	C1103	C3	C1210	* B3	C1389	* B3	C1572	D5	C1862	* F5	C1945	F3	C2028	* F4	C2352	* E2	C2562	* E1	C2815	G2	CL1001	A2	D1809	E4
C415	B5	C507	* B4	C701	* D3	C784	* D2	C912	* B1	C1104	C3	C1211	* C3	C1390	* B3	C1573	D5	C1863	F5	C1946	E3	C2201	E4	C2353	* E2	C2563	* F1	C2816	G2	CL1103	C4	D1810	F4
C416	B5	C508	A4	C702	D3	C785	* D3	C913	* B1	C1105	* C3	C1212	C3	C1391	* B3	C1574	D5	C1864	* F5	C1947	F3	C2202	E4	C2354	* E2	C2564	* E1	C2817	F2	CL1300	B3	D1811	F4
C417	A5	C509	A4	C703	* D3	C786	D2	C914	* B1	C1106	* C3	C1213	* C3	C1392	* B3	C1575	D5	C1865	* F5	C1948	F3	C2203	E4	C2355	* F2	C2565	* E1	C2818	F2	CL1307	B3	D2201	C5
C418	B5	C510	A4	C704	D3	C788	* E2	C915	* B1	C1107	* C3	C1214	B3	C1393	* B3	C1576	D5	C1866	* F5	C1949	E3	C2204	* E4	C2356	* E2	C2566	* E1	C2819	F2	CL1308	B3	D2202	C5
C419	B5	C511	* C5	C705	* D3	C789	* D3	C916	A1	C1108	* C3	C1215	C4	C1394	* B3	C1577	C5	C1867	* F5	C1950	F3	C2205	* E4	C2357	* F2	C2567	F1	C2820	F2	CL1309	B3	D2203	C5
C420	B5	C512	* B5	C706	D3	C790	* D2	C917	* B1	C1109	C3	C1216	B3	C1395	* B3	C1578	C5	C1868	* F5	C1951	* F4	C2206	* E4	C2358	* F2	C2568	F1	C2821	F2	CL1801	F5	D2302	* E3
C421	B5	C513	* B5	C707	* D3	C791	* D2	C918	* B1	C1110	* C3	C1300	B2	C1396	B3	C1579	* C5	C1869	E3	C1952	* E4	C2207	* E4	C2359	* F2	C2569	F1	C2822	G2	CL1802	E3	D2303	* E3
C422	A5	C514	* B4	C708	D3	C792	* D2	C919	* B1	C1111	* C3	C1301	* B2	C1397	B3	C1580	C5	C1870	E5	C1953	* F3	C2208	E4	C2360	* F2	C2570	* E1	C2823	G2	CL1803	E3	D2503	* F1
C423	B5	C515	* B4	C709	* D3	C801	* D1	C920	* B1	C1113	* D3	C1302	B2	C1398	B3	C1581	C5	C1871	E3	C1954	* F3	C2209	E4	C2361	* E2	C2571	F1	C2824	F2	CL1804	G5	D2504	* F1
C424	B5	C516	* C4	C710	D3	C802	* D1	C921	* B1	C1114	* D3	C1303	B2	C1399	B3	C1582	C5	C1872	E3	C1955	F3	C2210	* E4	C2362	* F2	C2572	F1	C2827	* G3	CL1805	G5	D2505	* F1
C425	* A5	C517	* C4	C711	* D3	C803	* D1	C922	* B1	C1115	C2	C1304	B2	C1400	B3	C1583	C5	C1873	E5	C1956	F4	C2211	* E4	C2363	* E2	C2573	E1	C2838	G3	CL1806	E5	D2506	* F1
C426	* B5	C518	* C4	C712	D3	C804	* D1	C923	* B1	C1116	C2	C1305	B2	C1501	D4	C1584	C5	C1874	E5	C1957	* F3	C2212	* E4	C2364	* F2	C2574	F1	C2839	G3	CL1807	E4	D2507	F1
C427	* B5	C519	* C4	C713	* D3	C805	* D1	C924	* B1	C1117	C2	C1306	* B2	C1502	D4	C1585	C5	C1875	E3	C1958	* F3	C2213	* E4	C2365	F2	C2575	F1	C2840	F3	CL1808	F5	D2508	F1
C428	* B5	C520	* B4	C714	D3	C806	* D1	C925	* B1	C1118	C2	C1307	* B2	C1503	D4	C1586	C5	C1876	E3	C1959	E4	C2214	E4	C2366	F2	C2576	E1	C2841	F2	CL1809	F4		
C429	* A5	C521	* B4	C715	* D3	C807	* D1	C926	* B1	C1119	* C3	C1308	* B2	C1504	D4	C1587	C5	C1877	F5	C1960	* E4	C2215	E4	C2367	F2	C2577	F1	C2844	G3	CL2201	E5	E100	C5
C430	* B5	C522	* C5	C716	* E3	C808	* A3	C927	* B1	C1120	* C3	C1309	* B2	C1505	* D4	C1588	C5	C1878	* E5	C1961	* E4	C2216	E4	C2368	F2	C2578	F1	C2845	* G2	CL2202	E5	E101	F4
C431	* B5	C523	* C5	C717	E3	C809	* A2	C928	* B1	C1121	C2	C1310	* B2	C1506	* D4	C1589	* C5	C1879	* E5	C1962	F4	C2217	E4	C2369	* F2	C2579	* F1	C2846	* G2	CL2203	E5	E102	* C4
C432	* B5	C524	* C5	C718	* E3	C811	* A3	C929	* B1	C1122	C2	C1312	B2	C1507	D4	C1590	* C5	C1880	* G5	C1963	* F4	C2218	E4	C2370	* F2	C2580	E1	C2847	* G2	CL2204	E5	E103	* F3
C433</																																	

FB128	G4	FB808	*A2	IC310	*D2	IC1106	C3	IC2318	F3	L700	D3	L1511	C5	Q115	*G2	Q1556	*D5	Q1851	E4	R46	B5	R186	*G3	R313	D1	R448	B5	R531	*B5	R705	D2	R848	*A4
FB129	G4	FB809	*A4	IC311	*E2	IC1107	C3	IC2319	E3	L701	*D3	L1512	C5	Q116	*G3	Q1557	*D5	Q1852	*F4	R47	C5	R187	*G2	R314	E2	R449	B5	R532	*B5	R706	D2	R849	A3
FB130	G4	FB810	*A3	IC312	*D2	IC1109	*C3	IC2320	F3	L702	*E3	L1801	*G5	Q117	*G3	Q1558	*D5	Q1853	*F4	R48	A5	R188	F3	R315	E2	R450	A5	R533	*B4	R708	D2	R850	A2
FB131	G3	FB811	*A3	IC313	*D2	IC1110	*B2	IC2322	*F3	L703	E3	L1802	*G5	Q118	G2	Q1559	*D5	Q1854	F4	R100	*G4	R189	*G3	R316	*D2	R451	A5	R534	*B4	R709	*D2	R851	A3
FB132	G3	FB812	*A3	IC314	*D2	IC1111	*B3	IC2323	E2	L704	*D2	L1803	*E5	Q119	G2	Q1560	*D5	Q1855	E4	R101	*G4	R190	*G3	R317	*D2	R452	B5	R535	B4	R710	D2	R852	A2
FB133	G3	FB813	*A3	IC315	*D2	IC1112	*B3	IC2324	E2	L705	*D2	L1804	*E4	Q120	F2	Q1561	*D5	Q1856	E4	R102	*G4	R191	F4	R318	*D2	R453	B5	R536	B4	R711	*D2	R853	A3
FB135	G3	FB814	A3	IC316	*D2	IC1113	*C3	IC2501	*E1	L706	C2	L1805	*E4	Q121	F3	Q1562	*D5	Q1857	E4	R104	*G4	R192	F4	R319	D1	R454	B5	R537	B5	R712	D2	R854	A2
FB137	G3	FB815	*A3	IC317	*D1	IC1116	*C3	IC2504	E2	L707	*D2	L1806	*F4	Q122	F4	Q1563	D5	Q1858	F4	R105	*G4	R193	F4	R320	E1	R455	B5	R538	B4	R713	D2	R855	A3
FB139	G3	FB816	*A3	IC318	*D2	IC1117	*C3	IC2505	E1	L708	*D2	L1807	*F4	Q123	G2	Q1564	D5	Q1859	F4	R106	*G4	R194	*G3	R321	D1	R456	*B5	R539	B4	R714	D2	R856	A4
FB141	*G3	FB817	A3	IC319	D1	IC1131	C4	IC2506	E1	L709	D2	L1808	*F5	Q124	*F2	Q1565	*D5	Q1860	F4	R107	*G4	R195	G2	R322	D1	R457	*B5	R540	B4	R715	D2	R857	*A4
FB142	*G3	FB818	A3	IC320	*D1	IC1132	C4	IC2507	E1	L802	A2	L2201	C5	Q400	C4	Q1566	*D5	Q2201	*E4	R108	*G4	R196	G2	R325	D1	R458	*B5	R541	B4	R716	D2	R858	*A4
FB143	*G3	FB900	*B1	IC321	*D1	IC1133	C4	IC2508	E1	L803	A2	L2202	D4	Q401	*C4	Q1567	*D5	Q2202	*E4	R109	*F3	R197	*G3	R326	D1	R459	B4	R542	B4	R717	D2	R859	*A4
FB144	*G3	FB901	*B1	IC322	*D1	IC1134	C4	IC2509	E1	L804	*A2	L2301	F2	Q700	D2	Q1568	*D5	Q2203	*E5	R110	*G4	R198	*G3	R329	*D2	R460	B4	R543	*B4	R719	C2	R860	*A4
FB145	G3	FB902	B1	IC400	B4	IC1137	*C3	IC2514	*E1	L805	A3	L2302	F2	Q1102	*C3	Q1569	*D5	Q2204	*E5	R111	*G3	R199	*G3	R330	*D2	R461	B4	R544	*B4	R720	C2	R861	A3
FB146	G3	FB1000	*A2	IC401	B5	IC1138	*C3	IC2515	F1	L806	A3	L2303	*F2	Q1103	*C3	Q1570	*D5	Q2205	*E5	R112	*G3	R200	*G3	R331	*D2	R462	B4	R545	*B4	R724	C2	R862	A3
FB147	G3	FB1001	*A2	IC402	A5	IC1300	B2	IC2516	*F1	L807	*A3	L2304	*F2	Q1104	*C3	Q1571	*D5	Q2206	*E5	R113	*G3	R201	*G2	R332	E2	R463	B4	R546	*B4	R725	C2	R863	*A3
FB148	G3	FB1002	*A2	IC403	B5	IC1301	*B2	IC2517	*F1	L900	*B1	L2305	*E2	Q1105	*C3	Q1572	D5	Q2207	*E5	R114	*F3	R202	*G2	R333	E2	R464	*A4	R547	*B4	R727	D2	R864	A3
FB150	G2	FB1003	*A2	IC404	B5	IC1302	*C3	IC2518	F1	L901	*A1	L2306	*F2	Q1106	*C3	Q1573	D5	Q2208	*E5	R115	*G3	R204	*G3	R334	E2	R465	A4	R548	*B4	R728	D2	R866	*A3
FB152	*G3	FB1004	*A2	IC405	*B5	IC1303	*B3	IC2519	E1	L902	*A1	L2307	*F2	Q1107	*C3	Q1574	*D5	Q2209	*E5	R116	*G3	R205	G2	R335	*D2	R466	A4	R549	B5	R729	*E2	R867	A3
FB153	F2	FB1100	C3	IC406	B5	IC1304	*B3	IC2520	E1	L903	*B1	L2308	*F2	Q1108	*C3	Q1575	*D5	Q2210	C5	R117	*G3	R206	*G3	R336	*D2	R467	B4	R550	*B5	R730	*D2	R868	A3
FB154	F2	FB1101	C3	IC407	A4	IC1305	B3	IC2521	F1	L904	*B1	L2309	*F2	Q1300	*B3	Q1576	*C5	Q2211	C5	R118	*G3	R207	*G3	R337	*E2	R468	B4	R551	*B5	R731	*D2	R869	A3
FB155	F3	FB1103	C3	IC408	A4	IC1306	B3	IC2522	*F1	L905	*B1	L2501	A1	Q1301	*B3	Q1577	*C5	Q2212	C5	R119	*F3	R208	*G3	R338	*E2	R469	A4	R552	*B5	R732	*D2	R870	A3
FB156	F3	FB1104	C3	IC409	*A4	IC1307	*B3	IC2523	F1	L1000	A2	L2502	A1	Q1302	*B3	Q1578	*C5	Q2213	*E4	R120	*F3	R209	G2	R339	*D2	R470	A4	R600	*D2	R733	*D2	R871	A3
FB161	F2	FB1314	*B2	IC410	A4	IC1309	B2	IC2524	F1	L1001	A2	L2503	E1	Q1303	*B3	Q1579	*C5	Q2214	*D4	R121	*F3	R210	G2	R340	*D1	R471	A4	R601	D2	R734	D3	R872	A3
FB162	F2	FB1316	*B2	IC411	A4	IC1310	B3	IC2525	F1	L1002	A2	L2504	E1	Q1304	*B3	Q1580	*C5	Q2215	*D4	R122	*G3	R211	G2	R341	*E2	R472	A4	R602	*D2	R735	D3	R873	*A3
FB163	F2	FB1317	*B2	IC412	A4	IC1311	B3	IC2526	*F1	L1003	A2	L2505	*E1	Q1305	*B3	Q1581	C5	Q2301	F2	R123	*F3	R215	F2	R342	*E2	R473	*B4	R603	*D2	R736	D3	R874	*A3
FB164	F2	FB1501	A1	IC413	A4	IC1315	B3	IC2527	F1	L1004	*A2	L2506	E1	Q1306	*B3	Q1582	*C5	Q2501	A1	R124	*G3	R216	F2	R343	*D2	R474	*B4	R611	C2	R737	*D3	R875	*A3
FB169	G2	FB1502	A1	IC414	*B5	IC1801	F3	IC2528	F1	L1101	*C3	L2507	E1	Q1307	*B3	Q1583	*C5	Q2502	A1	R125	*G4	R219	F2	R344	*D1	R475	*B4	R612	C1	R738	*D3	R876	*A3
FB170	G2	FB2301	*E2	IC415	*B4	IC1802	F3	IC2529	F1	L1102	C3	L2508	E1	Q1501	*D4	Q1584	*C5	Q2503	*E1	R126	*G4	R220	*G2	R345	*D2	R476	*B4	R613	C1	R740	*D3	R877	A3
FB171	G2	FB2501	*G1	IC416	*C4	IC1803	F3	IC2530	F1	L1103	*C3	L2509	E1	Q1502	*D4	Q1585	*C5	Q2504	*E1	R127	*G4	R222	G2	R346	*D1	R477	*B4	R614	C1	R741	*D3	R878	A3
FB172	G2	FB2502	G1	IC417	*C4	IC1804	F3	IC2531	G1	L1104	*C3	L2513	*F1	Q1503	*D4	Q1586	*C5	Q2506	*E1	R128	*G4	R224	G2	R347	*D2	R478	*B4	R615	C1	R742	*D3	R879	*A3
FB173	G2	FB2503	A1	IC418	B5	IC1805	*E3	IC2533	*G1	L1105	*C3	L2514	E1	Q1504	*D4	Q1587	*C5	Q2507	*E1	R129	*G4	R225	G2	R348	*D1	R479	B4	R620	*C1	R743	*E3	R880	*A3
FB300	D1			IC419	*B4	IC1806	F5	IC2537	*F1	L1107	*C3	L2515	E1	Q1505	*D4	Q1588	*C5	Q2508	*F1	R130	*G4	R228	*G2	R349	*D1	R480	*B4	R621	*C1	R744	*E3	R881	*A3
FB302	D1	FL400	*B5	IC420	*A4	IC1807	E5	IC2538	F1	L1108	*C3	L2516	E1	Q1506	*D4	Q1589	D5	Q2509	*F1	R131	*G4	R233	*F2	R350	*D2	R481	*B4	R622	*C1	R745	D3	R882	A3
FB304	E2	FL401	*B5	IC421	*A4	IC1808	*E5	IC2539	F1	L1109	*C3	L2517	E1	Q1507	*D4	Q1590	D5	Q2510	*F1	R132	*G4	R234	*F2	R355	*D1	R482	*B4	R623	*C1	R746	D3	R883	*A3
FB305	*D1	FL1100	C3	IC422	*A4	IC1809	*F5	IC2540	F1	L1112	*C3	L2518	*F1	Q1508	D4	Q1803	*F5	Q2511	*G1	R133	*G4	R238	*F2	R357	*D1	R483	B4	R624	C1	R748	E3	R884	A3
FB400	B5	FL1101	C3	IC423	A4	IC1810	E3	IC2541	G1	L1113	*C3	L2519	*E1	Q1509	D4	Q1804	*F5	Q2512	*G1	R134	*G3	R241	*F2	R358	*D1	R484	B4	R625	*C1	R749	*D2	R885	A3
FB401	B5	FL1102	C3	IC600	C1	IC1811	E4	IC2542	F1	L1114	*C3	L2520	*F1	Q1510	D4	Q1805	*G5			R135	*G4	R244	*F2	R359	*D1	R485	*B4	R626	*C1	R750	*D2	R886	A3
FB402	B5	FL1103	C3	IC601	D2	IC1812	*E3	IC2543	G1	L1115	*C3	L2521	F1	Q1511	*D4	Q1806	*G5	R1	A5	R136	*G4	R247	*F2	R360	*D1	R486	B4	R627	D1	R800	*D1	R887	A3
FB403	B5	FL1104	C4	IC602	*G1	IC1813	E4	IC2544	G1	L1116	*C4	L2522	F1	Q1512	*D4	Q1807	*F5	R2	C5	R137	G3	R250	*F2	R404	*B5	R487	*B4	R630	G1	R801	*D1	R888	*A3
FB404	*A5	FL1105	C3	IC611	C1	IC1814	*E3			L1117	*C4	L2523	*F1	Q1513	*D4	Q1808	*F5	R3	C5	R138	*G4	R252	*G2	R405	B5	R488	*B4	R641	*C1	R802	*A3	R889	A3
FB405	*B5	FL1106	C3	IC613	B1	IC1815	E3	L1	C5	L1118	*C3	L2524	*F1	Q1514	*D4	Q1809	*F5	R4	C5	R139	*G4	R253	*G2	R406	B5	R489	*B4	R642	*C1	R803	A3	R890	*D1
FB406	*B5	FL1107	C4	IC614	B1	IC1816	F5	L2	C5	L1119	*C3	L2525	F1	Q1515	*D4	Q1810	*F5	R5	C5	R140	F2	R254	*F2	R407	B5	R490	*B4	R643	*C1	R804	*D1	R891	*D1
FB407	*B5	FL1300	B3	IC622	*B3	IC1817	G5	L3	C5	L1120	*C4	L2526	F1	Q1516	*D4	Q1811	*F5	R6	C5	R141	F2	R256	*G2	R408	B5	R491	C5	R644	*C1	R805	*D1	R892	*A3
FB408	B5	FL1301	B3	IC628	B1	IC1818	*F3	L4	B4	L1121	*C4	L2527	*F1	Q1517	*D4	Q1812	*E4	R7	C5	R142	*G2	R258	*F2	R409	*B5	R492	C5	R645	*C1	R806	*D1	R893	*A3
FB409	B5	FL1302	B3	IC629	E2	IC1819	*F3	L5	C4	L1122	*C3	L2528	*F1	Q1518	*D4	Q1813	*F4	R8	C5	R143	*G2	R259	*G2	R410	A4	R493	C5	R646	C1	R807	*D1	R894	A3
FB410	B5	FL1303	B3	IC630	*C1	IC1820	F3	L6	C5	L1300	B2	L2529	*F1	Q1519	*D4	Q1814	*E4	R9	C5	R144	*G2	R261	*F2	R411									

R952	D1	R1130	C2	R1215	C4	R1303	*B2	R1386	B3	R1469	B3	R1552	D5	R1635	A1	R1718	C5	R1830	F5	R1913	*E5	R1996	F4	R2079	*E4	R2162	E4	R2271	*E4	R2377	F2	R2527	*E1
R953	D1	R1131	*C3	R1216	C4	R1304	*B2	R1387	B3	R1470	B3	R1553	D4	R1636	A1	R1719	D5	R1831	F5	R1914	*E5	R1997	F4	R2080	*F4	R2163	E4	R2272	*D4	R2378	*E2	R2528	*E1
R954	*B1	R1132	C3	R1217	C4	R1305	B2	R1388	B3	R1471	B4	R1554	D4	R1637	A1	R1720	C5	R1832	*F5	R1915	E4	R1998	E4	R2081	*F4	R2164	E4	R2273	*D4	R2379	*E2	R2529	*E1
R955	B1	R1133	C3	R1218	*C3	R1306	B2	R1389	B3	R1472	B3	R1555	D5	R1638	A1	R1721	C5	R1833	*F5	R1916	E4	R1999	F4	R2082	*E4	R2165	E4	R2274	*D4	R2380	F2	R2530	E1
R956	B1	R1134	*C3	R1219	*C3	R1307	B2	R1390	*B3	R1473	B2	R1556	D4	R1639	A1	R1722	*D5	R1834	F5	R1917	*F5	R2000	F4	R2083	*F4	R2166	E4	R2275	*D4	R2381	F2	R2531	E1
R957	B1	R1135	*C3	R1220	*C3	R1308	B2	R1391	*B3	R1474	B2	R1557	D4	R1640	A1	R1723	*D5	R1835	F5	R1918	E4	R2001	F4	R2084	E4	R2167	F4	R2276	*D4	R2382	F2	R2532	*E1
R958	*B1	R1136	C3	R1221	*C3	R1309	*B2	R1392	*B3	R1475	B2	R1558	D4	R1641	*D4	R1724	*D5	R1836	*F5	R1919	E4	R2002	*E4	R2085	F4	R2168	F4	R2277	C5	R2383	F2	R2533	*E1
R959	B1	R1137	*C3	R1222	*C3	R1310	*B2	R1393	B3	R1476	B3	R1559	D5	R1642	D5	R1725	*C5	R1837	*E5	R1920	*F5	R2003	*F4	R2086	E4	R2169	F4	R2301	F1	R2384	F2	R2534	*E1
R1000	A2	R1138	C3	R1223	C4	R1311	*B2	R1394	B3	R1477	B3	R1560	*D4	R1643	D5	R1726	*C5	R1838	F5	R1921	E4	R2004	*E4	R2087	F4	R2170	F4	R2302	F1	R2385	F2	R2535	*E1
R1001	A2	R1139	C3	R1224	C4	R1312	*B2	R1395	B3	R1478	B3	R1561	*D4	R1644	D5	R1727	*C5	R1839	*F5	R1922	E4	R2005	*F4	R2088	E4	R2171	F4	R2303	F2	R2386	*F2	R2536	*E1
R1002	A2	R1140	*C3	R1225	C4	R1313	*B2	R1396	*B3	R1479	B3	R1562	*D4	R1645	D5	R1728	*C5	R1840	E3	R1923	E4	R2006	*E3	R2089	F4	R2172	F4	R2304	F2	R2387	*F2	R2537	E1
R1003	A2	R1141	C3	R1226	C4	R1314	*B2	R1397	*B3	R1480	B3	R1563	*D4	R1646	D5	R1729	*C5	R1841	E3	R1924	E4	R2007	*F3	R2090	E4	R2173	*E5	R2305	F2	R2388	*F2	R2538	*E1
R1004	A2	R1142	C3	R1227	C4	R1315	*B2	R1398	*B3	R1481	B4	R1564	*D4	R1647	*D5	R1730	*C5	R1842	E5	R1925	*F5	R2008	*E3	R2091	E4	R2174	E3	R2306	*F2	R2389	*F2	R2539	*E1
R1005	A2	R1143	*C3	R1228	C4	R1316	*B2	R1399	B3	R1482	B3	R1565	*D4	R1648	*D5	R1731	*C5	R1843	*F5	R1926	E4	R2009	*F3	R2092	F4	R2201	E4	R2307	F2	R2390	*F2	R2540	*F1
R1006	A2	R1144	C3	R1229	*C3	R1317	*B2	R1400	B3	R1483	B3	R1566	*D4	R1649	*D5	R1732	C5	R1844	F5	R1927	E4	R2010	E4	R2093	F4	R2202	E4	R2308	*G1	R2391	*F2	R2541	*E1
R1007	A2	R1145	C3	R1230	*C3	R1318	B2	R1401	B3	R1484	B3	R1567	*D4	R1650	*D5	R1733	C5	R1845	E5	R1928	E4	R2011	F4	R2094	E4	R2203	E4	R2309	E2	R2392	*F2	R2542	*E1
R1008	A2	R1146	C3	R1231	C4	R1319	B2	R1402	B3	R1485	B3	R1568	D4	R1651	*D5	R1734	C5	R1846	E3	R1929	E4	R2012	F4	R2095	E4	R2204	*E4	R2310	E2	R2393	*F2	R2543	*E1
R1009	A2	R1147	C3	R1232	C4	R1320	*B2	R1403	B3	R1486	B4	R1569	*D4	R1652	*D5	R1735	C5	R1847	E3	R1930	*F5	R2013	F4	R2096	F4	R2205	*E4	R2311	*F2	R2395	*F2	R2544	*E1
R1010	A2	R1148	*C3	R1233	C4	R1321	B2	R1404	B3	R1487	B3	R1570	*D4	R1653	*D5	R1736	C5	R1848	*F5	R1931	*F5	R2014	*E4	R2097	F4	R2206	*E4	R2312	*F2	R2396	*F2	R2549	*F1
R1011	A2	R1149	*C3	R1234	C4	R1322	B2	R1405	B3	R1488	*B3	R1571	D4	R1654	*D5	R1737	C5	R1849	E3	R1932	E4	R2015	*F4	R2098	E4	R2207	*E4	R2313	*F2	R2397	F2	R2550	*E1
R1012	A2	R1150	*C3	R1235	C4	R1323	B3	R1406	B3	R1489	*B3	R1572	D4	R1655	*D5	R1738	C5	R1850	E3	R1933	E4	R2016	*E4	R2099	F4	R2208	*E4	R2314	*F2	R2398	*G5	R2551	F1
R1013	A2	R1151	*C3	R1236	C4	R1324	B3	R1407	B3	R1490	*B3	R1573	D4	R1656	*D5	R1739	C5	R1851	E5	R1934	E4	R2017	*F4	R2100	E4	R2209	*E4	R2315	G1	R2399	*G5	R2556	*E1
R1014	A2	R1152	*C3	R1237	C4	R1325	B3	R1408	B3	R1491	*B3	R1574	D5	R1657	*D5	R1740	C5	R1852	*F5	R1935	E4	R2018	E4	R2101	F4	R2210	*E4	R2316	G1	R2400	*G5	R2557	*E1
R1015	A2	R1153	*C3	R1238	C4	R1326	B3	R1409	B3	R1492	*B2	R1575	D5	R1658	*D5	R1741	C5	R1853	*F5	R1936	*F5	R2019	*E4	R2102	*E4	R2211	*E4	R2317	G1	R2401	*G5	R2558	*E1
R1016	A2	R1154	*C3	R1239	*C3	R1327	B2	R1410	B3	R1493	*B2	R1576	D5	R1659	*D5	R1742	C5	R1854	E5	R1937	E5	R2020	F4	R2103	*E4	R2212	*E4	R2318	F2	R2406	*E2	R2559	*E1
R1017	A2	R1155	*C3	R1240	*C3	R1328	*B2	R1411	B3	R1494	B2	R1577	D5	R1660	*D5	R1743	*C5	R1855	*G5	R1938	E5	R2021	*E4	R2104	*F4	R2213	*E4	R2319	E2	R2407	*E3	R2560	E2
R1018	*A2	R1156	*C3	R1241	C4	R1329	*B2	R1412	B3	R1495	C3	R1578	D4	R1661	*D5	R1744	*C5	R1856	*G5	R1939	*F5	R2022	*F4	R2105	*F4	R2214	*E4	R2320	*F2	R2409	F2	R2562	*E1
R1019	*A2	R1157	C3	R1242	C4	R1330	*B3	R1413	B3	R1496	B3	R1579	D4	R1662	*D5	R1745	*C5	R1857	*F5	R1940	*E3	R2023	*F4	R2106	E5	R2215	*E4	R2321	E2	R2410	F2	R2563	E2
R1020	*A2	R1158	C3	R1243	*C3	R1331	B3	R1414	B3	R1497	B2	R1580	D4	R1663	D5	R1746	*C5	R1858	*F5	R1941	*E3	R2024	*F4	R2107	F5	R2216	*E4	R2322	*F2	R2411	F2	R2564	*E1
R1021	*A2	R1159	C3	R1244	*C3	R1332	B2	R1415	B3	R1498	B2	R1581	D4	R1664	D5	R1747	*C5	R1859	*G5	R1942	*F5	R2025	*E4	R2108	*E4	R2217	*E4	R2323	*F2	R2412	*E2	R2565	E1
R1022	A2	R1160	C3	R1245	*C3	R1333	B2	R1416	B3	R1499	B3	R1582	D4	R1665	D5	R1748	*C5	R1860	*G5	R1943	*E3	R2026	*E4	R2109	*E4	R2218	E4	R2324	F2	R2413	*E2	R2566	*E1
R1023	A2	R1161	C3	R1246	*C3	R1334	B2	R1417	B2	R1500	*B2	R1583	D5	R1666	D5	R1749	*C5	R1861	E3	R1944	*F3	R2027	*F4	R2110	*F4	R2219	E4	R2325	F2	R2414	*F2	R2567	*E1
R1024	A2	R1162	C3	R1247	C4	R1335	*C3	R1418	B2	R1501	*D4	R1584	D5	R1667	D5	R1750	*C5	R1862	E3	R1945	F3	R2028	*E4	R2111	*F4	R2220	E4	R2326	F2	R2415	*F2	R2568	E1
R1025	A2	R1163	C3	R1248	C4	R1336	*B3	R1419	B2	R1502	*D4	R1585	D5	R1668	D5	R1751	*C5	R1863	*F5	R1946	F3	R2029	*F4	R2112	*F5	R2221	E4	R2327	*F2	R2416	*F2	R2569	E1
R1026	A2	R1164	C3	R1249	*B3	R1337	*C3	R1420	B2	R1503	*D4	R1586	D4	R1669	D5	R1752	*C5	R1864	*F5	R1947	*F3	R2030	*E4	R2113	E4	R2222	E4	R2328	*E2	R2417	*E2	R2571	E1
R1027	A2	R1165	C3	R1250	*B3	R1338	*B3	R1421	B2	R1504	*D4	R1587	D4	R1670	D5	R1753	*C5	R1865	*G5	R1948	*F3	R2031	*F4	R2114	E4	R2223	E4	R2329	*F2	R2418	*E2	R2572	E1
R1028	A2	R1166	C3	R1251	C4	R1339	B3	R1422	B2	R1505	*D4	R1588	D5	R1671	D5	R1754	*C5	R1866	*G5	R1949	F3	R2032	*E4	R2115	*F5	R2224	E4	R2330	*F2	R2419	*E2	R2574	E1
R1029	A2	R1167	C3	R1252	C4	R1340	B3	R1423	B2	R1506	*D4	R1589	D4	R1672	D5	R1755	*C5	R1867	*F5	R1950	F3	R2033	*F4	R2116	F4	R2225	E4	R2331	F2	R2420	*F2	R2576	*F1
R1030	A2	R1168	C3	R1253	C4	R1341	B3	R1424	B2	R1507	*D4	R1590	C5	R1673	D5	R1756	*C5	R1868	*E5	R1951	*F3	R2034	*E4	R2117	F4	R2226	E4	R2332	*E3	R2421	F3	R2577	*F1
R1031	A2	R1169	C3	R1254	C4	R1342	B3	R1425	B2	R1508	*D4	R1591	C5	R1674	D5	R1757	*C5	R1869	E5	R1952	F3	R2035	*F4	R2118	*E4	R2227	E4	R2333	E2	R2422	F3	R2578	*F1
R1032	A2	R1170	C3	R1255	*C3	R1343	B3	R1426	B3	R1509	*D4	R1592	D4	R1675	D5	R1758	*C5	R1870	E3	R1953	F3	R2036	*E4	R2119	*E4	R2228	E4	R2334	E2	R2423	*F3	R2579	*F1
R1033	A2	R1171	C3	R1256	*C3	R1344	B3	R1427	B3	R1510	*D4	R1593	C4	R1676	D5	R1759	*D4	R1871	E3	R1954	F3	R2037	*F4	R2120	*F4	R2229	E4	R2335	E2	R2424	F3	R2580	E2
R1034	A2	R1172	C3	R1257	*B2	R1345	B2	R1428	B3	R1511	*D4	R1594	C4	R1677	D5	R1760	*D4	R1872	F5	R1955	F3	R2038	*E4	R2121	*F4	R2230	*E4	R2336	E2	R2425	F3	R2581	E2
R1035	A2	R1173	C3	R1258	*B3	R1346	B3	R1429	B3	R1512	D4	R1595	*D4	R1678	D5	R1761	*D5	R1873	*E3	R1956	F3	R2039	*F4	R2122	*F5	R2231	*E4	R2337	*E2	R2426	*F3	R2582	*F1
R1036	A2	R1174	C3	R1259	*B3	R1347	B3	R1430	B3	R1513	D4	R1596	*D4	R1679	D5	R1762	*D5	R1874	*E3	R1957	E3	R2040	*E4	R2123	*F4	R2232	*E4	R2338	*E2	R2427	*F3	R2583	*E1
R1037	A2	R1175	C3	R1260	C4	R1348	B3	R1431	B2	R1514	D4	R1597	*D4	R1680	D5	R1763	*D4	R1875	*E3	R1958	F3	R2041	*E4	R2124	*E4	R2233	*E4	R2339	*E2	R2428	F3	R2584	*E1
R1038	*A1	R1176	C3	R1261	C4	R1349	B3	R1432	B2	R1515	D4	R1598	*C4																				

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R138	* G1	R228	* G2	R311	B1
R139	* H1	R229	G2	R312	B1
R140	* H1	R230	G2	R313	B1
R141	* H1	R231	* G2	R314	B1
R142	* H1	R232	* G2	R315	B2
R143	* F2	R233	G2	R316	* A2
R144	* F2	R234	G2	R317	* D2
R145	* F2	R235	* G2	R318	* D2
R150	* B2	R236	* G2		
R151	* B2	R237	G2	RB1	* F2
R152	B2	R238	G2	RB2	F2
R153	B2	R239	* G2	RB3	F2
R154	B1	R240	* G2	RB4	* F2
R155	B1	R241	G2	RB5	* F2
R156	B1	R242	G2	RB6	* F2
R157	B1	R243	* H1	RB7	* F2
R158	B1	R244	* G1	RB8	* F2
R159	B1	R245	* G1	RB9	* F2
R160	B1	R246	G1	RB10	* F2
R161	B1	R247	G1	RB11	* B2
R162	C2	R248	* G1	RB12	* B2
R163	C2	R249	* G1	RB13	* B2
R164	B2	R250	G1		
R168	A2	R251	G1	RV1	J2
R169	A2	R252	* G1	RV2	H2
R170	A2	R253	* G1	RV3	D2
R171	A2	R254	G1	RV4	G2
R172	A2	R255	G1	RV5	H2
R173	A2	R256	* G1	RV6	F2
R174	A2	R257	* G1	RV7	F2
R175	A2	R258	G1	RV8	A1
R176	A2	R259	G1		
R177	A2	R260	* H1	S1	D1
R178	A2	R261	* G1	S2	D2
R179	* A2	R262	* G1	S3	E1
R180	* A2	R263	G1	S4	F1
R181	* A2	R264	G1	S5	E1
R182	* A2	R265	* G1	S6	E1
R183	* A2	R266	* G1	S7	F1
R184	* A2	R267	G1	S8	F1
R185	* A2	R268	G1	S9	E2
R186	* A2	R269	* G1	S10	J1
R187	A2	R270	* G1	S11	E2
R188	A2	R271	G1	S12	G2
R189	A2	R272	G1	S13	G1
R190	A2	R273	* G1	S14	H1
R191	A2	R274	* G1	S15	A1
R192	A2	R275	G1	S17	C1
R193	A2	R276	G1	S18	B1
R194	* A2	R277	* H1	S19	A2
R195	* A2	R278	* H1	S20	B1
R196	* A2	R279	* H1		
R197	* A2	R280	H1	SL1	* D1
R198	* A2	R281	H1	SL2	* J2
R199	* A2	R282	* H1	SL3	* A1
R200	* A2	R283	* H1		
R201	* A2	R284	H1		
R202	H1	R285	H1		
R203	H1	R286	* H1		
R204	H1	R287	* H1		
R205	H1	R288	H1		
R206	H1	R289	H1		
R207	* H2	R290	* H1		
R208	* H2	R291	* H1		
R209	* H2	R292	H1		
R210	* G2	R293	H1		
R211	* G2	R294	* H2		
R212	G2	R295	* G2		
R213	G2	R296	* G2		
R214	* G2	R297	G2		
R215	* G2	R298	G2		
R216	G2	R299	* G2		
R217	G2	R300	* G2		
R218	* G2	R301	G2		
R219	* G2	R302	G2		
R220	G2	R303	* G2		
R221	G2	R304	* G2		
R222	* G2	R305	G2		
R223	* G2	R306	G2		
R224	G2	R307	* G2		
R225	G2	R308	* G2		
R226	* H2	R309	G2		
R227	* G2	R310	G2		

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 3.5 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 5.25 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 20 V AC range are suitable. (See Fig. A)

