

SONY®

HD CAMERA ADAPTOR

CA-FB70

FIBER CONNECTOR KIT

HKC-LC01

SERVICE MANUAL

1st Edition

警告

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

WARNING

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

WARNUNG

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

AVERTISSEMENT

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

CAUTION

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

CAUTION

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

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

This HD Camera Adaptor is classified as a CLASS 1 LASER PRODUCT.

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Manual Structure

Purpose of this manual

This manual is the Maintenance manual of the HD Camera Adaptor CA-FB70.

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

Related manuals

Besides this "Service manual", the following manuals are available.

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

- Operating Instructions (Supplied with this unit)

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

Section 1

Service Overview

1-1. Checking before Installation

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

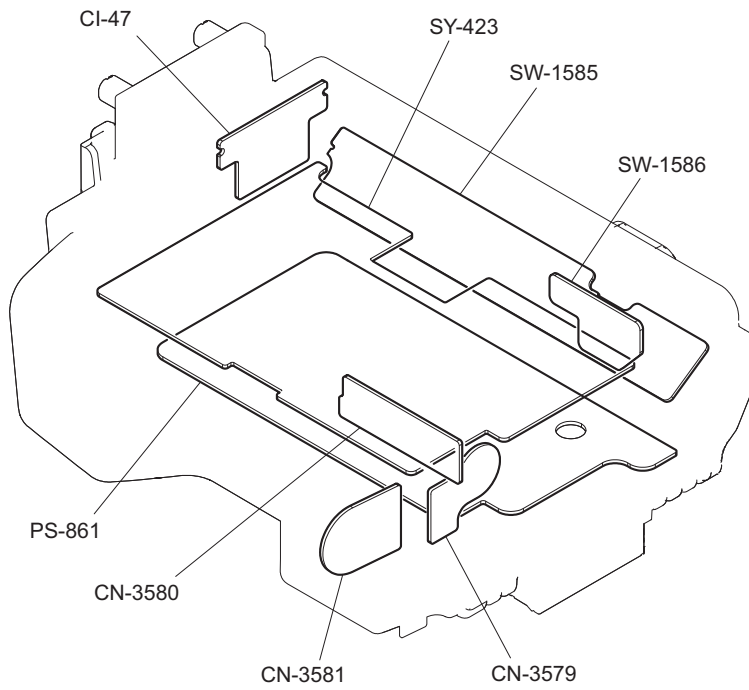
When connecting the peripheral equipment in the list below to this unit, be sure to check that the ROM and software version on each peripheral device is corresponding to this unit to be connected.

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

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

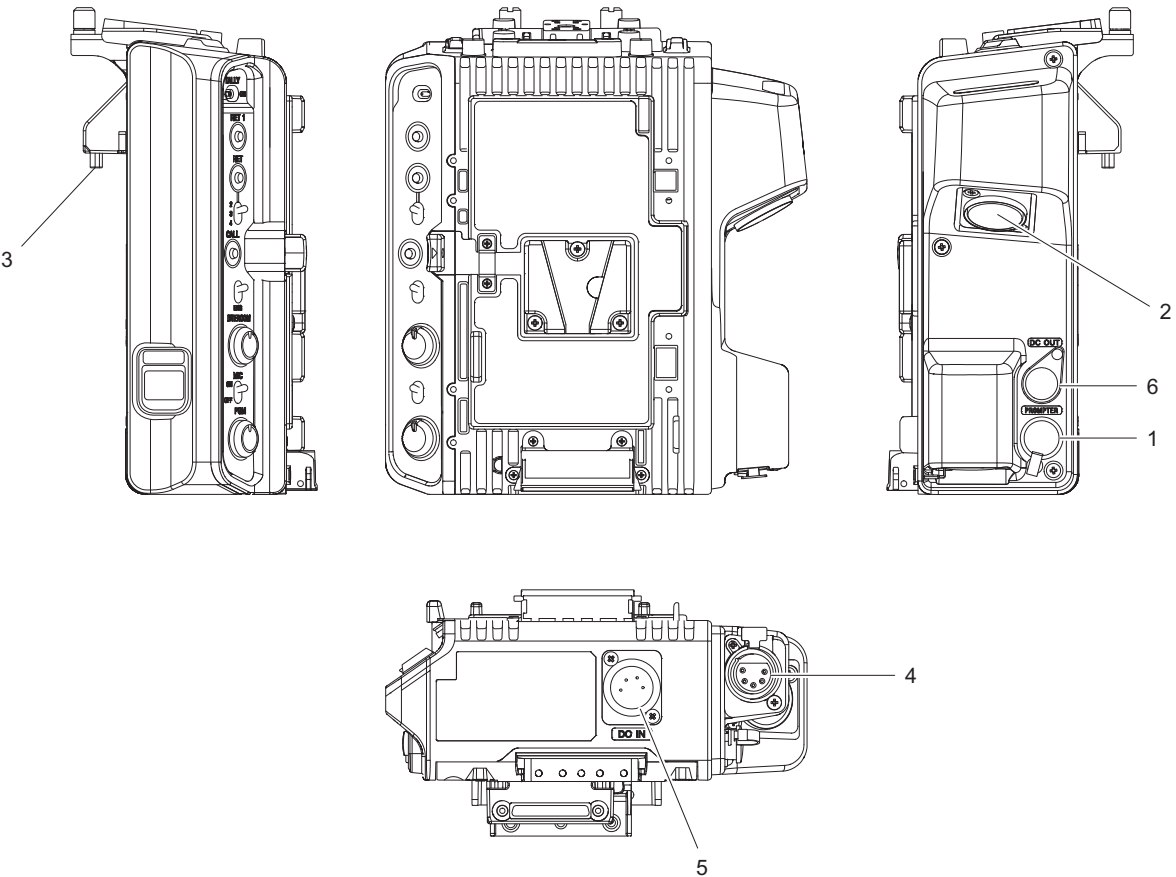
Peripheral Equipment	ROM and Software Version
HXC-D70	Ver. 1.15 and higher
PMW-500 (Installed CBK-HD02)	Ver. 1.35 and higher
PMW-350 (Installed CBK-CE01)	Ver. 1.45 and higher
PMW-320 (Installed CBK-CE01)	Ver. 1.35 and higher
HXCU-FB70	Ver. 1.03 and higher

1-2. Location of Printed Circuit Boards



1-3. Connectors and Cables

1-3-1. Connector Input/Output Signals



Input/Output Signals

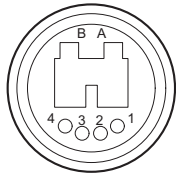
1. PROMPTER

BNC type 75 Ω, 1.0 V p-p

2. CCU

Optical fiber connector manufactured by NEUTRIK (standard equipment)

6-pin, Female



- External View -

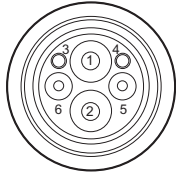
No.	I/O	Specifications
A	IN	Optical input
B	OUT	Optical output

Continued

No.	I/O	Specifications
1	—	Ground for DC IN
2	—	No connection
3	—	No connection
4	IN	+48 V dc input

Optical fiber connector manufactured by LEMO (installed HKC-LC01)

6-pin, Female



- External View -

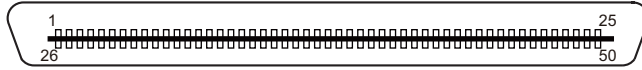
No.	I/O	Specifications
1	OUT	Optical output
2	IN	Optical input
3	—	No connection

Continued

No.	I/O	Specifications
4	—	No connection
5	IN	+48 V dc input
6	—	Ground for DC IN

3. CAMCORDER

50-pin, Female



- External View -

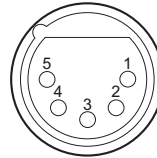
No.	Signal	I/O	Specifications
1	TX_OUT_C2	—	Ground for TX_OUT_H
2	TX_OUT_C1		
3	CA_EN	—	Connect to ground
4	GND	—	GND
5, 6	UNREG	IN	+12 V dc input
7	BSY	—	No connection
8	CMD0	IN	Start-stop synchronization RX signal input
9	CMD2	—	No connection
10	CMD4	—	No connection
11 to 14	GND	—	GND
15	50P_DET	IN	50 pin interface detection signal input
16	CA_V	OUT	Vertical synchronizing signal output
17	CDA0	OUT	Start-stop synchronization TX signal input
18	CA_H	OUT	Horizontal synchronizing signal output
19	CDA2	—	No connection
20, 21	+3.3V_OUT	IN	+3.3 V dc input
22, 23	GND	—	GND
24	RX_IN_C1	—	Ground for RX_IN_H
25	RX_IN_C2	—	
26	TX_OUT_H	IN	HD-SDI signal input
27	TX_OUT_C3	—	Ground for TX_OUT_H
28	GND	—	GND
29, 30	UNREG	IN	+12 V dc input
31	CK	—	No connection
32	RX	IN	700 protocol signal input
33	CMD1	—	No connection
34	CMD3	—	No connection

Continued

No.	Signal	I/O	Specifications
35 to 41	GND	—	GND
42	TX	OUT	700 protocol signal output
43	CDA1	—	No connection
44	CDA3	—	No connection
45	CA_F	OUT	Synchronizing signal output
46, 47	CA_3.3V	OUT	+3.3 V dc output
48	GND	—	GND
49	RX_IN_C3	—	Ground for RX_IN_H
50	RX_IN_H	OUT	HD-SDI signal output

4. INTERCOM

XLR 5-pin, Female



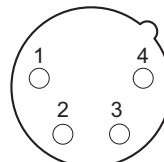
- External View -

(0 dBu = 0.775 V rms)

No.	Signal	I/O	Specifications
1	INTERCOM MIC (Y) (GND): While set to UNBALANCE	IN	- CARBON: -20 dBu, Unbalance - DYNAMIC: -60 dBu, Balance/Unbalance - MANUAL
2	INTERCOM MIC (X)		
3	GND	—	GND
4	INTERCOM LEFT	OUT	8 dBu (VR Max. 250 Ω Load)
5	INTERCOM RIGHT		

5. DC IN

XLR 4-pin, Male



- External View -

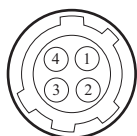
No.	Signal	I/O	Specifications
1	EXT_DC (C)	—	GND for DC (+)
2	NC	—	No connection

Continued

No.	Signal	I/O	Specifications
3	NC	—	No connection
4	EXT_DC (H)	IN	+11 to 17 V dc

6. DC OUT

4-pin, Female



- External View -

No.	Signal	I/O	Specifications
1	UNREG GND	—	Ground for UNREG OUT
2	NC	—	No connection
3	NC	—	No connection
4	UNREG OUT	OUT	+11 to 17 V dc, 1.5 A (max)

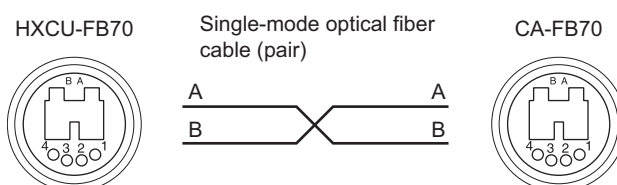
1-3-3. Connection Connectors/Cables

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	Connection Connector/Cable
PROMPTER (BNC type)	Plug, BNC (Part No.: 1-569-370-12) or 5C-FB coaxial cable /Recommendation made by Fujikura
INTERCOM (XLR type, 5-pin, Female)	XLR, 5-Pin Male (Part No.: 1-508-370-11) or ITT Cannon XLR-5-12C or equivalent
DC IN (XLR type, 4-pin, Male)	XLR, 4-Pin Female (Part No.: 1-508-362-00) or ITT Cannon XLR-4-11C or equivalent, or Connection cord (Part No.: 1-551-577-00)
DC OUT (4-pin, Female)	Plug, 4-Pin Male (Part No.: 1-566-425-11) or HIROSE HR10A-7P-4P or equivalent

1-3-4. Note in Connecting Single-mode Optical Fiber Cable

- When you use only single-mode optical fiber cable to connect the HXCU-FB70 to this unit, configure the optical output setting in HXCU-FB70. (Refer to the Operating Instructions of HXCU-FB70.)
- Connect the single-mode optical fiber cable as shown below so that connecting destinations cross (A to B, B to A) between this unit and the HXCU-FB70.

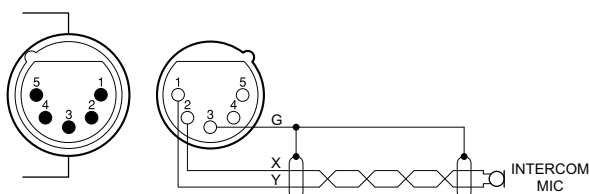


1-3-2. Wiring Diagrams for Cables

INTERCOM MIC Cable

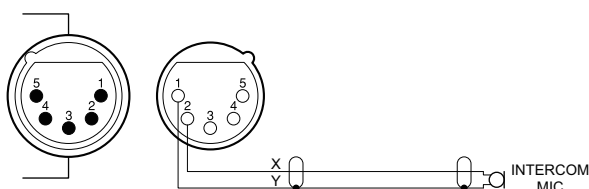
1. Balance

- HXC-D70: HEAD SET menu UNBAL—OFF
- PMW-500/350/320: S800 (SY-423 board) 2bit—OFF



2. Unbalance

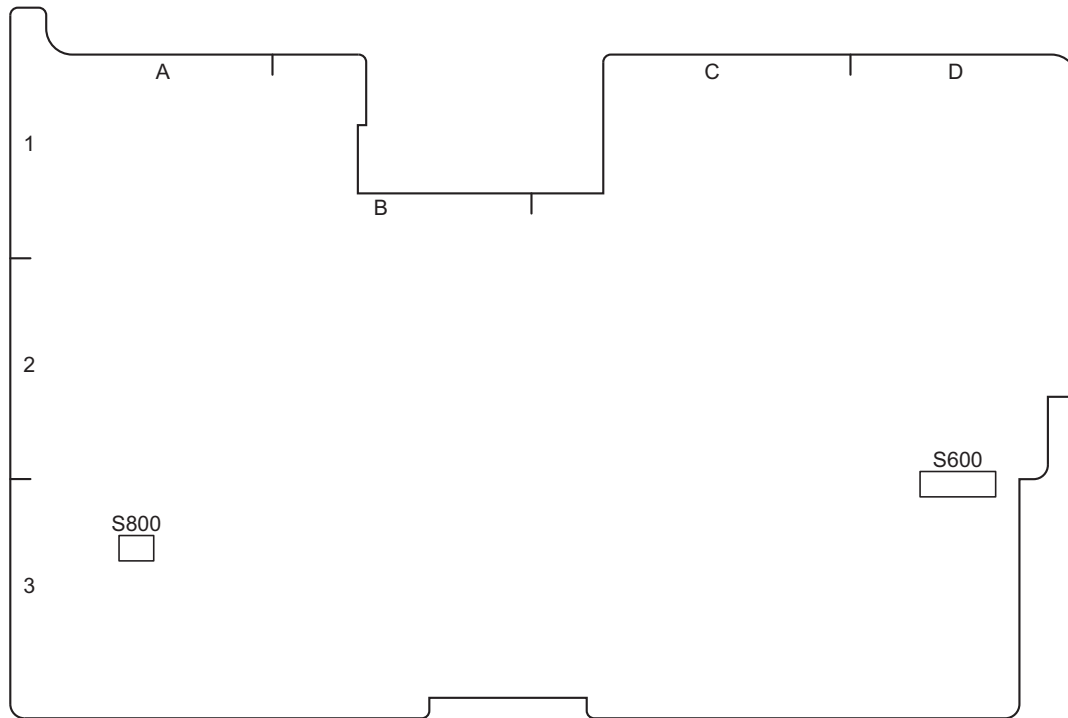
- HXC-D70: HEAD SET menu UNBAL—ON
- PMW-500/350/320: S800 (SY-423 board) 2bit—ON



1-4. Functions of Onboard Switches/LED Indicators

1-4-1. Functions of Onboard Switches

SY-423 Board

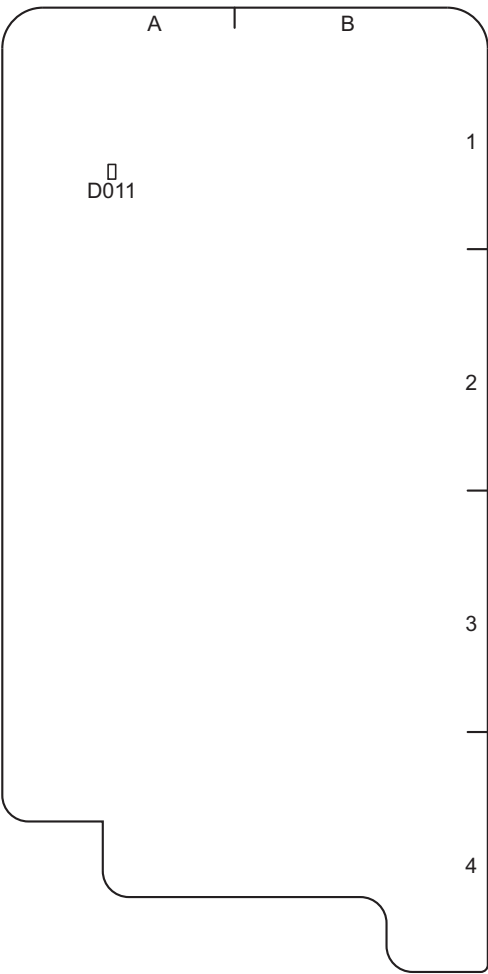


SY-423 Board (Side A)

Ref. No. (Address)	Bit	Description	Factory Setting
S600 (D-3)	1-8	Not use	OFF (ALL)
S800 (A-3)	1	Switching the intercom power ON/OFF • ON: Power ON • OFF: Power OFF	OFF
	2	Switching the unbalance/unbalance of intercom • ON: Balance • OFF: Unbalance	OFF
	3, 4	Switching the intercom input gain S800-3 /S800-4 • ON/ON: -20 dB • ON/OFF: — • OFF/ON: -40 dB • OFF/OFF: -60 dB	OFF (ALL)

1-4-2. Description of Onboard LED Indicators

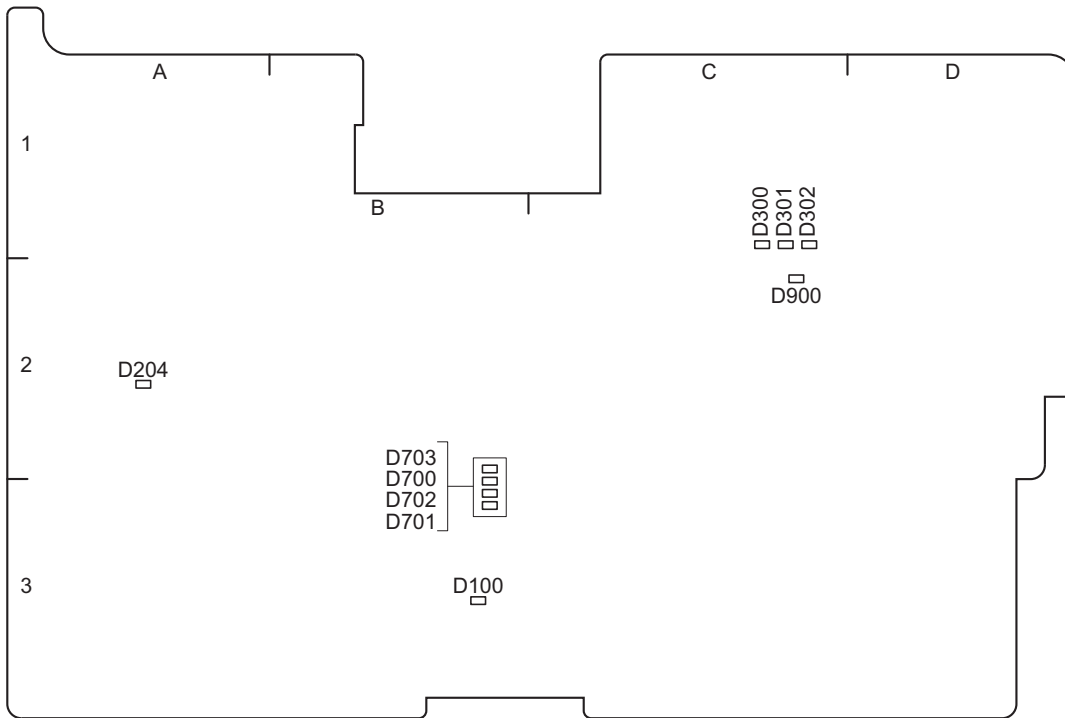
PS-861 Board



PS-861 Board (Side A)

Ref. No. (Address)	Color	Description	Normal State (Power On)
D011 (A-1)	Green	Lit when the power supply is supplied to the CCU connector.	Lit

SY-423 Board



SY-423 Board (Side A)

Ref. No. (Address)	Color	Description	Normal State (Power On)
D100 (B-3)	Green	Lit when power circuit is normal operation.	Lit
D204 (A-2)	Green	Lit when 27_PLL circuit and 74M_PLL circuit are normal operation.	Lit
D300 (C-1)	Red	Not use	Not lit
D301 (C-1)	Red	Lit when optical signal is no transceiving light.	Not lit
D302 (C-1)	Red	Lit when the optical signal is no receiving light.	Not lit
D700 (B-3)	Red	Not use	Not lit
D701 (B-3)	Red	Not use	Not lit
D702 (B-3)	Red	Not use	Not lit
D703 (B-2)	Red	Not use	Not lit
D900 (C-2)	Red	Lit when PLD (IC1) configuration is normal operation. After configuration completes, it turns off light.	Not lit

1-5. Circuit Description

Installed on an HD color camera or a solid-state memory camcorder, this unit enables long-distance transmission of input/output signals to/from the camera control unit through an optical fiber cable.

This unit contains a 50-pin interface connector that allows easy connection without using a cable by directly connecting the camera adapter connector of the HD color camera or the solid-state memory camcorder.

This section describes each of the following component boards of this unit.

- SY-423 board (Refer to [“1-5-1. SY-423 Board”](#))
- PS-861 board (Refer to [“1-5-2. PS-861 Board”](#))
- CI-47 board (Refer to [“1-5-3. CI-47 Board”](#))
- SW-1585 board (Refer to [“1-5-4. SW-1585 Board”](#))
- SW-1586 board (Refer to [“1-5-5. SW-1586 Board”](#))
- CN-3579 board (Refer to [“1-5-6. CN-3579 Board”](#))
- CN-3580 board (Refer to [“1-5-7. CN-3580 Board”](#))
- CN-3581 board (Refer to [“1-5-8. CN-3581 Board”](#))

1-5-1. SY-423 Board

Transmission block

The main-line serial video signals sent from the HD color camera and the solid-state memory camcorder through the 50-pin interface connector are converted to parallel signals, and audio signals and commands are multiplexed.

Multiplexed parallel electrical signals are converted to serial optical signals, and the converted optical signals are sent to the camera control unit.

Furthermore, serial optical return video signals sent from the camera control unit are converted to parallel electrical signals. Then audio signals, commands, and analog prompter video signals that are multiplexed with the return video signals are separated.

Intercom block

Analog audio signals that are input from the intercom connector CN002 on the CN-3581 board are converted to digital signals in IC801 and the converted digital signals are input to the SY-PLD (IC1). At that time, the amplifier can vary the gain according to three input levels: -60 dBu, -40 dBu, and -20 dBu.

Furthermore, digital intercom signals separated from return video signals (multiplexed signals sent from the camera control unit) are converted to analog signals in IC801 and the converted analog signals are output from the intercom connector CN002 on the CN-3581 board.

1-5-2. PS-861 Board

The following three power voltages are input to the unit.

- CCU connector (optoelectrical composite connector): 48 VDC
- DC IN connector (XLR type): 12 VDC
- Battery connector: 12 VDC

The 48 VDC that is input from the CCU connector is converted to 16 VDC in the DC-DC converter circuit and power input switching is performed between the DC IN connector and the battery connector.

The power voltage that is input from the optoelectrical composite connector takes precedence. If this input is not provided, the power voltage that is input from the DC IN connector takes precedence.

Power voltages +5.5 V, +3.8 V, +2.5 V, and -5.0 V are generated by DC-DC conversion and are supplied to the SY-423 board.

Power is supplied to the HD color camera and the solid-state memory camcorder from the battery connector, and current is limited to approximately 5.5 A.

1-5-3. CI-47 Board

The CI-47 board contains the 50-pin interface connector CN004 that is connected to the camera adapter connector of an HD color camera and a solid-state memory camcorder to send and receive video and audio signals.

Video and audio signals are sent to and received from the SY-423 board through the connector CN003.

1-5-4. SW-1585 Board

The SW-1585 board contains switches used in this unit and a variable resistor for adjusting the speaker volume of the headset for intercom.

Operation information of the switches and the variable resistor is sent to the SY-PLD (IC1) on the SY-423 board via the I/O expander (IC400) on the SY-423 board.

1-5-5. SW-1586 Board

The SW-1586 board contains the power switch and the power LED of the unit and is connected to the PS-861 board through the connector CN001.

Power switch S001 is used to control the DC selection circuit on the PS-861 board and turn on and off the input power.

1-5-6. CN-3579 Board

The CN-3579 board contains the DC IN connector and is connected to the PS-861 board through the connector CN001. The DC IN connector is used to operate this unit with an external DC power voltage.

1-5-7. CN-3580 Board

The CN-3580 board contains the DC OUT connector and the PROMPTER connector and is connected to the PS-861 board through the connector CN001 and to the SY-423 board through the connector CN003.

Power voltage 11 to 17 VDC (maximum 1.5 A) is output from the DC OUT connector to the external.

While the camera control unit is connected, the VBS prompter signal is output from the PROMPTER connector.

1-5-8. CN-3581 Board

The CN-3581 board contains the INTERCOM connector and is connected to the SY-423 board through the connector CN800.

This board inputs and outputs intercom's audio signals by connecting a headset to the INTERCOM connector.

1-6. Writing/Rewriting PLD Data

This unit is provided with a programmable logic device (PLD), and the PLD writing/rewriting method conforms to the e-Production (EPR) method.

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

Note

The part number of the PLD (or ROM for PLD) written in “4. Spare Parts” is the number of blank PLD or ROM. Therefore, if replacement of PLD is required, write data to a blank PLD using the following procedure.

e-Production Method

- The e-Production method makes the following available when writing/rewriting PLD data.
 1. Standard tool (cable)
 2. Standard software (PLD download tool)
- PLD data is managed as a Project file (E_XXX_XXX_XX_XX) in the Sony database server.
- A standard connector (EPR connector) for writing PLD data is provided with indication of “EPR2” on the board.

Applicable PLD and ROM for PLD

Board Name	PLD/ROM	EPR Connector (Pin)	Project File No.
SY-423	IC1/IC911*1	CN901 (10-pins)	E_000_005_38_XX

Equipment/Service Tools

- PLD download tool (Sony part number: J-7120-140-A): A cable (10-pins) to connect between PC and the unit
- A personal computer (PC):
 - With a parallel port
 - Complete the installation of PLD Download Tool software

Note

For applicable OS and operating environment, refer to “Download Tool Operating Procedure (Device Write).”

Procedure

The following describes the summary of PLD (or ROM for PLD) data writing procedure.

For details of the data writing procedure, refer to “Download Tool Operating Procedure (Device Write).”

“Download Tool Operating Procedure (Device Write)” can be obtained from the same website as the PLD download tool software.

1. Prepare the Project file.

Note

Download the Project file from the Sony Database Server.

2. While the DC power cable is disconnected from the DC IN connector on the bottom of the unit, connect the PC's parallel port to the EPR connector on the target board with the PLD download tool (cable).
 - 1) Remove the four screws to open the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”.)
 - 2) Connect the writing conversion harness for PLD to PLD download tool.
 - 3) Connect the cable to EPR connector (CN901).
3. Connect the DC power cable to the DC IN connector and turn on the power.
4. Run the PLD download tool software to read the Project file.
5. Program the PLD (or ROM for PLD) by the PLD download tool software.
6. After programming has been successfully completed (with no error message), turn off the power and disconnect the DC power cable from the DC IN connector.

*1: IC911/SY-423 is the ROM for IC1/SY-423.

7. Disconnect the PLD download tool (cable) from the EPR connector on the target board by reversing the procedure in step 2.
8. Connect the unit to the HD color camera HXC-D70 and confirm that the software version and the PLD version are correct with the DIAGNOSIS menu D05: <CA STATUS> of the HXC-D70.

1-7. Periodic Maintenance and Inspection

1-7-1. Notes on Camera/Camcorder Power Supply Connector

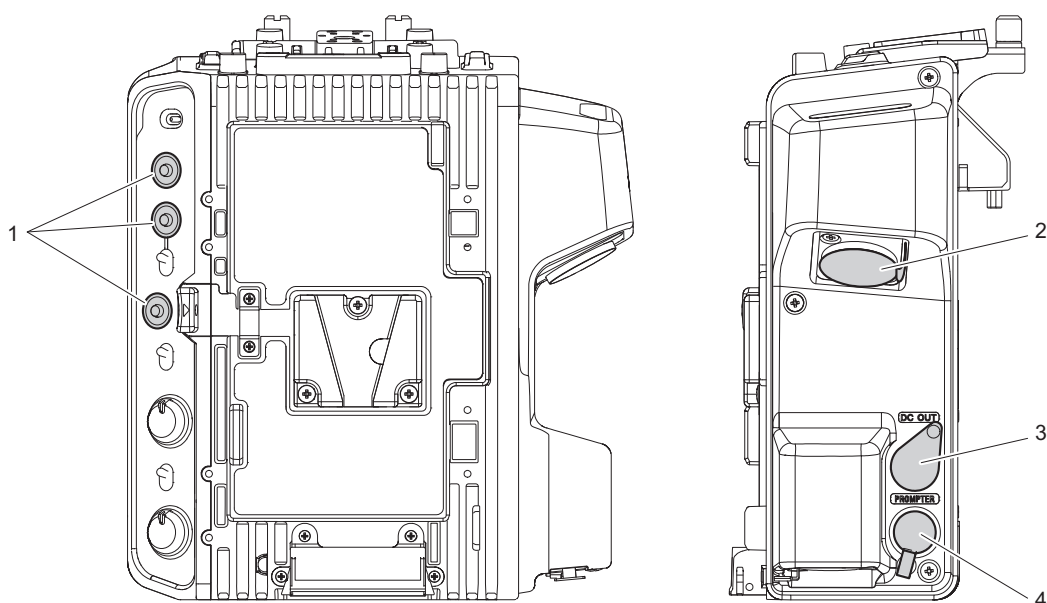
The camera/camcorder power supply connector mounted on this product is a consumable.

Deformation or bend of the connector due to vibration or impact or surface corrosion due to long-term outdoor use may result in malfunction of the unit.

If deformation, bend, or surface discoloration of the camera/camcorder power supply connector is found, immediately replace it.

1-7-2. Recommended Replacement Parts

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



No.	Name	Part No.	Recommended Replacement Timing
1	SW cover	4-138-682-01	Check for deformation and deterioration (abraded or damaged or lost) from time to time. Replace it as necessary.
2	NEUTRIK fiber cap	4-444-729-01	
3	Drop protection rubber (EA)	3-724-730-03	
4	BNC cap	3-868-657-03	

1-8. Tool and Fixtures List

Part No.	Name	Usage/Note
J-6323-430-A	Torque screwdriver's bit (M3)	Screw tightening
J-6325-110-A	Torque screwdriver's bit (M1.4)	
J-6325-380-A	Torque screwdriver's bit (M2)	
J-6325-400-A	Torque screwdriver (3 kg·cm) (0.3 N·m)	
J-6252-510-A	Torque screwdriver (6 kg·cm) (0.6 N·m)	
J-6252-520-A	Torque screwdriver (12 kg·cm) (1.2 N·m)	
J-6480-010-A	Alignment sleeve remover HC-001	For Female connector, DCC.91.312.5LA manufactured by LEMO or equivalent
J-7120-140-A	PLD download tool	Tool for PLD data download PLD

1-9. Cleaning of Connector/Cable

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

- When lit in green: Normal (-15 dBm and higher)
- When lit in yellow: Normal (-15 to -18 dBm)
- When lit in red: Abnormal (Less than -18 dBm)

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

When lit in yellow, cleaning is recommended.

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

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

Note

Clean the connected optical contact portion all equipment.

Example:

- HD camera adaptor
- HD camera control unit
- Power supply unit
- Optoelectrical composite cable
- Joint adaptor

1-9-1. Cleaning Connectors/Cables of NEUTRIK

A NEUTRIK's connector is normally mounted as the CCU connector of this unit.

When the CAMERA connector has been replaced with a LEMO's connector by the fiber connector kit (HKC-LC01), refer to "1-9-2. Cleaning Connectors/Cables of LEMO".

When the Optical Connector Cleaner (Commercially Available) is Available

Tool and fixtures

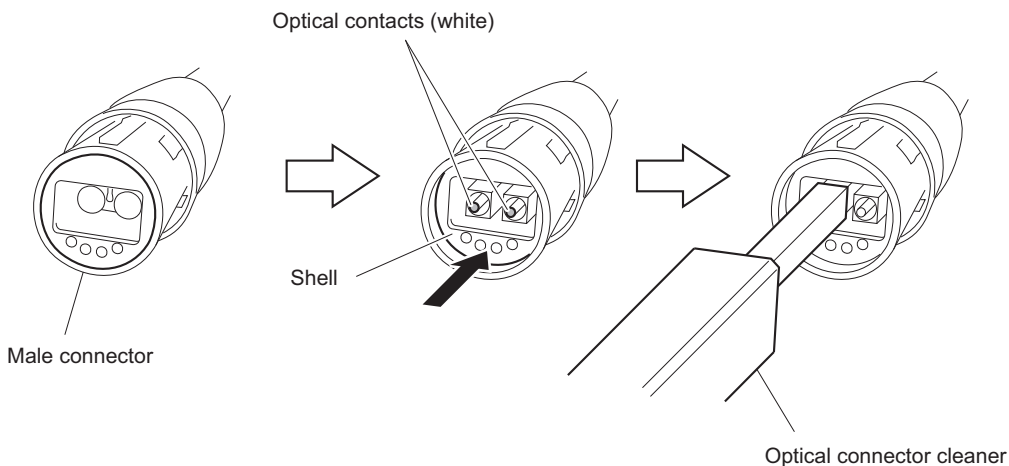
- FOCD-DC125 (DRY Cleaner, 1.25mm) manufactured by NEUTRIK, 9393 (IBC™ Brand Cleaner LC, 1.25mm) manufactured by US CONEC, or equivalent.

Cleaning of male connector

While pushing the shell, clean the tip of the white optical contacts using the optical connector cleaner.

Note

The sealing shutter is released while the shell is being pushed.

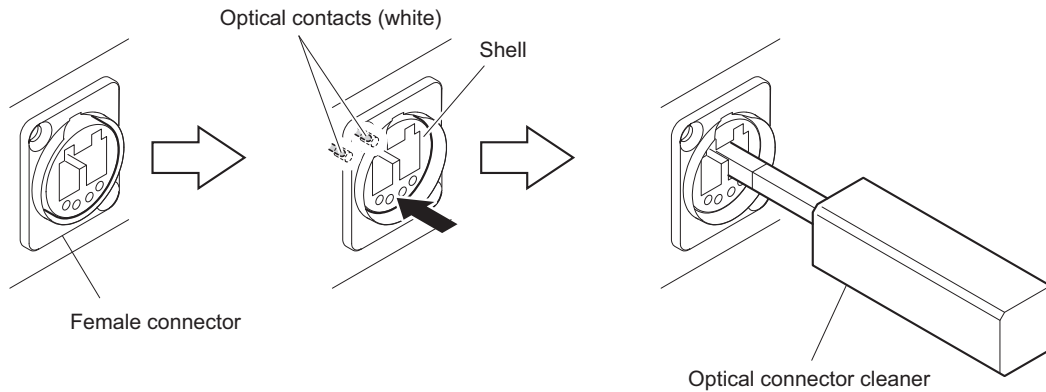


Cleaning of female connector

While pushing the shell, clean the tip of the white optical contacts using the optical connector cleaner.

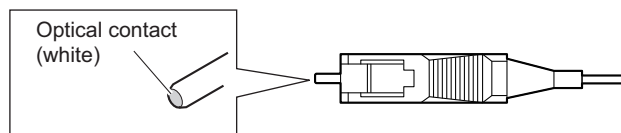
Note

The sealing shutter is released while the shell is being pushed.



Cleaning of connector

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



When the Optical Connector Cleaner (Commercially Available) is not Available

Tool and fixtures

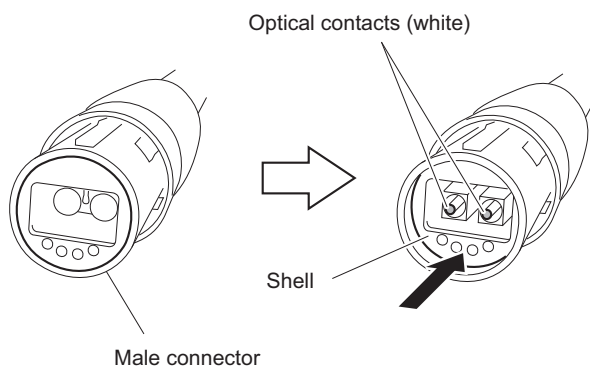
- Alcohol (commercially available)
- Cotton swabs (commercially available)

Cleaning of male connector

While pushing the shell, clean the tip of the white optical contacts with a cotton swab moistened with alcohol.

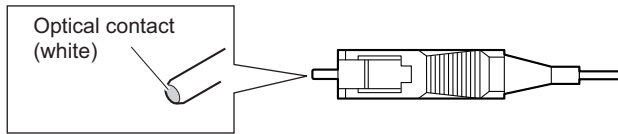
Note

The sealing shutter is released while the shell is being pushed.



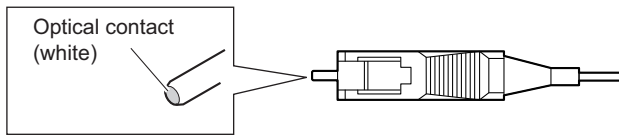
Cleaning of female connector

1. Remove the optical connector (CA) assembly from this unit and disconnect the two optical fiber cables from the optical connector (CA) assembly. (Refer to “2-4. Optical Connector (CA) Assembly”)
2. Clean the tip of the white optical contacts with a cotton swab moistened with alcohol.



Cleaning of connector

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



1-9-2. Cleaning Connectors/Cables of LEMO

When the Optical Connector Cleaner (Commercially Available) is Available

Tool and fixtures

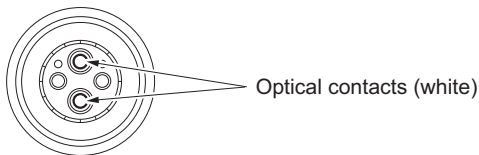
- Optical connector cleaner (commercially available)
 - Product name: CLETOP[®]
 - 14100402 or 14100403 (stick type) or equivalent
 - 14100402: 2.0 mm
 - 14100403: 2.0/2.5 mm double ended

Notes

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

Cleaning of male connector

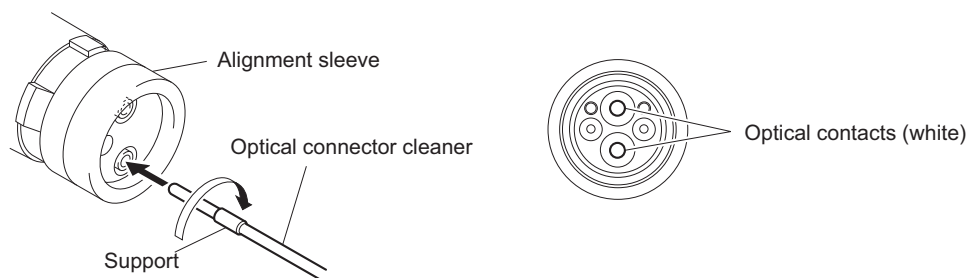
Clean the tip of the white optical contacts using the optical connector cleaner.



Cleaning of female connector

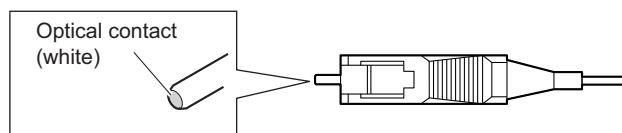
1. Insert the optical connector cleaner straight. Ensure that it is held straight when inserting.
2. Apply sufficient pressure to ensure that the optical contact is a little depressed.
(approximately 600 g to 700 g)

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



Cleaning of connector

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



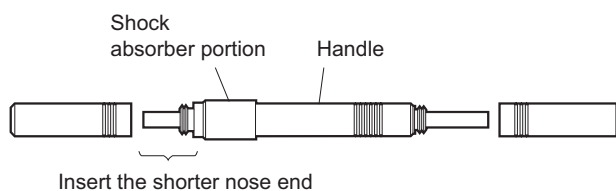
When the Optical Connector Cleaner (Commercially Available) is not Available

Tool and fixtures

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

Note

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



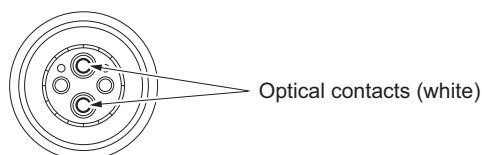
- Alcohol (commercially available)
- Cotton swabs (commercially available)

Note

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

Cleaning of male connector

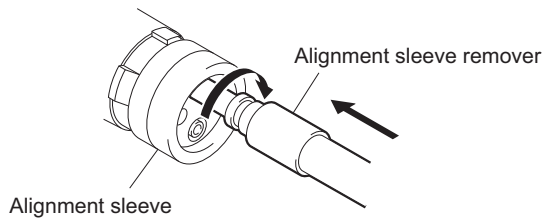
Clean the tip of the white optical contacts with a cotton swab moistened with alcohol.



Cleaning of female connector

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

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

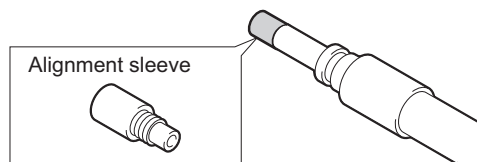


2. When the turn stops, pull out the remover in the straight line forcibly.

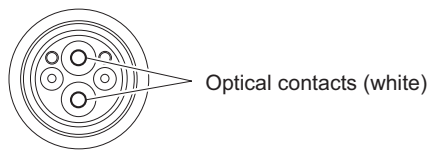
Note

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

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



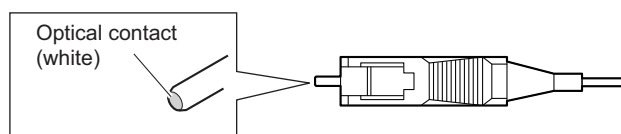
3. Clean the tip of the white optical contacts with a cotton swab moistened with alcohol.



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

Cleaning of connector

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



1-10. System Format Setting

To perform recording or transmission in a system using this unit, the video format of HD color camera/camcorder, this unit, and HD camera control unit (CCU) must be set.

This unit supports the following four video formats.

- 1920 x 1080/59.94i
- 1280 x 720/59.94P
- 1920 x 1080/50i
- 1280 x 720/50P

Video format setting of this unit links with the CCU's video format setting.

When HD color camera HXC-D70 is connected:

Video formats of this unit and HXC-D70 are set in conjunction with the CCU's format setting.

When solid-state memory camcorder PMW-500/350/320 is connected:

Some formats that are not supported by the CCU and this unit are included in formats that are supported by PMW-500/350/320. Since the camcorder's format setting is independent of the CCU's format setting, set the camcorder's format according to the CCU's format setting.

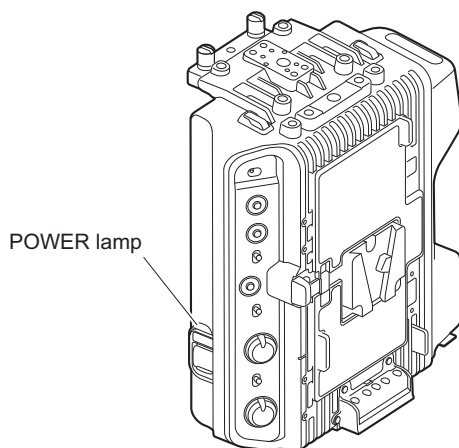
The set format can be checked on the viewfinder. The set format can be checked on the viewfinder.

If the camcorder's video format (image size or frequency) differs from the video format of this unit, the POWER LED (green) on the unit blinks at 2 Hz cycles. For details, refer to [“1-11. Error Messages”](#).

1-11. Error Messages

Since this unit has no display device, error messages are displayed in the menu of the HD camera control unit (CCU) or on the remote control panel.

Error messages of the unit are indicated by blinking of the POWER lamp (green).



Camera/camcorder non-detection alarm: POWER lamp (green) blinks at 0.5 Hz cycles

When this unit is not connected to an HD color camera or camcorder, the POWER lamp (green) blinks at 0.5 Hz cycles as an alarm.

Format alarm: POWER lamp (green) blinks at 2 Hz cycles

When the video format (image size or frequency) of the HD color camera/camcorder does not match the video format setting of the CCU and this unit, the POWER lamp (green) blinks at 2 Hz cycles as an alarm.

Note

This unit does not support the video formats described in the “Video Formats of Solid-State Memory Camcorder PMW-500/350/320” column in the table below. For these video formats of the camcorder, if video formats of the CCU and this unit are set to those described in the “Video Formats of CCU and This Unit” column, the POWER lamp (green) on this unit does not blink because of the same image size and frequency though video formats are different.

Video Formats of Solid-State Memory Camcorder PMW-500/350/320	Video Formats of CCU and This Unit
1920 x 1080/29.97PsF	1920 x 1080/59.94i
1280 x 720/29.97P	1280 x 720/59.94P
1280 x 720/23.98P	1280 x 720/59.94P
1920 x 1080/25PsF	1920 x 1080/50i
1280 x 720/25P	1280 x 720/50P

CCU power alarm: POWER lamp (green) blinks at 2 Hz cycles

If the terminal voltage drops when power is supplied from the CCU, the POWER lamp (green) blinks at 2 Hz cycles as an alarm.

Receiving light level alarm: POWER lamp (green) blinks

- If the level of light received from the CCU drops, the POWER lamp (green) blinks at 2 Hz cycles as an alarm.
- If the level of light received from the CCU significantly drops or the light is lost, the POWER lamp (green) blinks at 4 Hz cycles as an alarm.

Note

Clean it referring to “[1-9. Cleaning of Connector/Cable](#)”.

1-12. Setting Intercom Input Signal Level

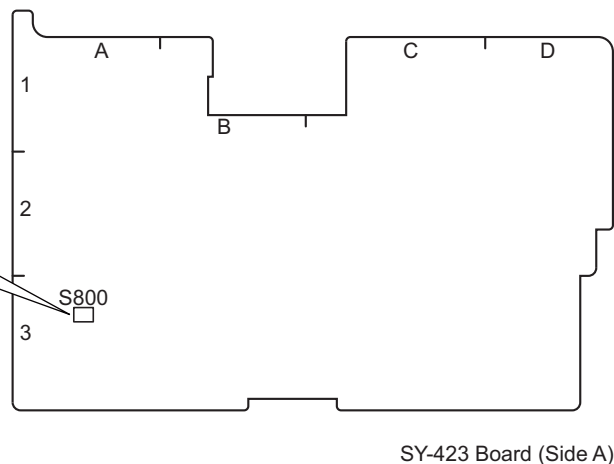
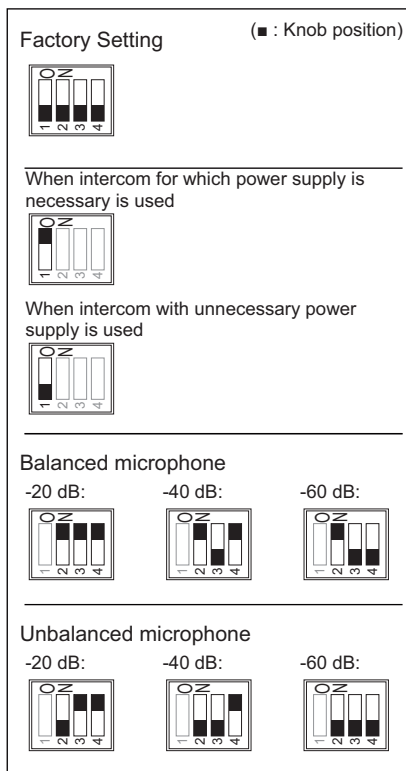
When this unit is connected to solid-state memory camcorder PMW-500/350/320 to use an intercom, set the intercom input signal level by using the DIP switch (S800) on the SY-423 board.

Note

When using an intercom on the HD color camera HXC-D70, set the intercom input signal level by using the HXC-D70 menu. For details, refer to the HXC-D70 operating instructions.

Procedure

1. Remove the four screws and open the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”.)
2. Change the setting of the DIP switch (S800) on the SY-423 board.
 - S800-1:
 - ON: When intercom for which power supply is necessary is used
 - OFF: When intercom with unnecessary power supply is used
 - S800-2:
 - ON: Balanced microphone
 - OFF: Unbalanced microphone
 - S800-3/S800-4:
 - ON/ON: Input gain -20 dB
 - ON/OFF: — (not used)
 - OFF/ON: Input gain -40 dB
 - OFF/OFF: Input gain -60 dB



Note

The DIP switch (S800) was set to all OFF during the factory shipping process.

3. Install the CA dock frame sub assembly by reversing the procedure in step 1.

1-13. Coaxial Cable

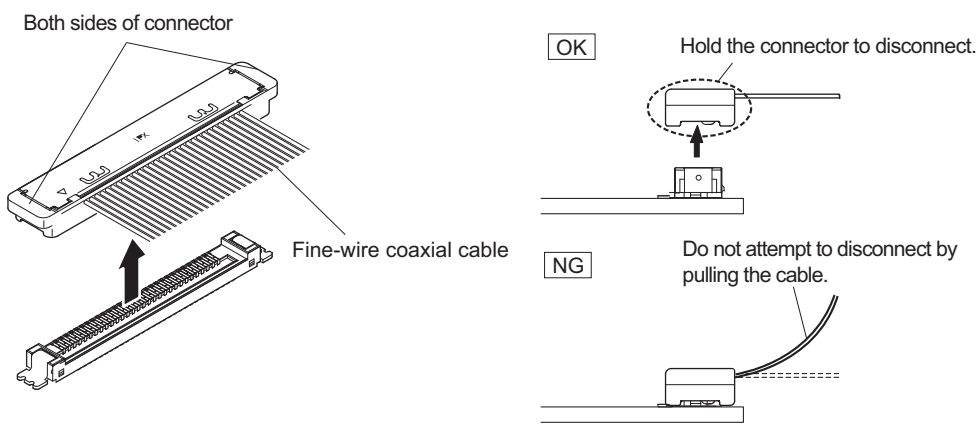
1-13-1. Disconnecting/Connecting Fine-Wire Coaxial Cable

Notes

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

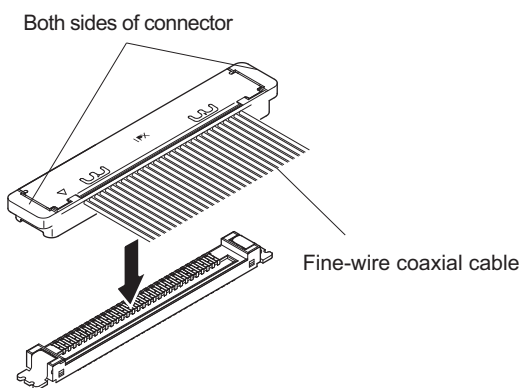
Type A

Disconnecting



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

Connecting



Note

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

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

1-14. Circuit Protection Parts

1-14-1. Fuses

WARNING

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

CAUTION

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

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

Board Name	Ref. No.	Address	Part No.	Part Name
PS-861	F251	A-3 (Side A)	△ 1-576-751-11	Fuse (32V11CF) 5A

1-14-2. Circuit Protection Element

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

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

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

Board Name	Ref. No.	Address	Part No.	Hold Current
SY-423	THP100	A-3 (Side A)	△ 1-804-616-21	1.10 A/20 °C
	THP101	A-2 (Side A)		
	THP102	B-3 (Side A)		
	THP103	B-3 (Side A)		
	THP104	A-3 (Side A)		
	THP105	A-3 (Side A)		
	THP106	B-3 (Side A)		

1-15. Lead-free Solder

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



: LEAD FREE MARK

Notes

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

Section 2

Replacement of Main Parts

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

2-1. CA Dock Frame Sub Assembly

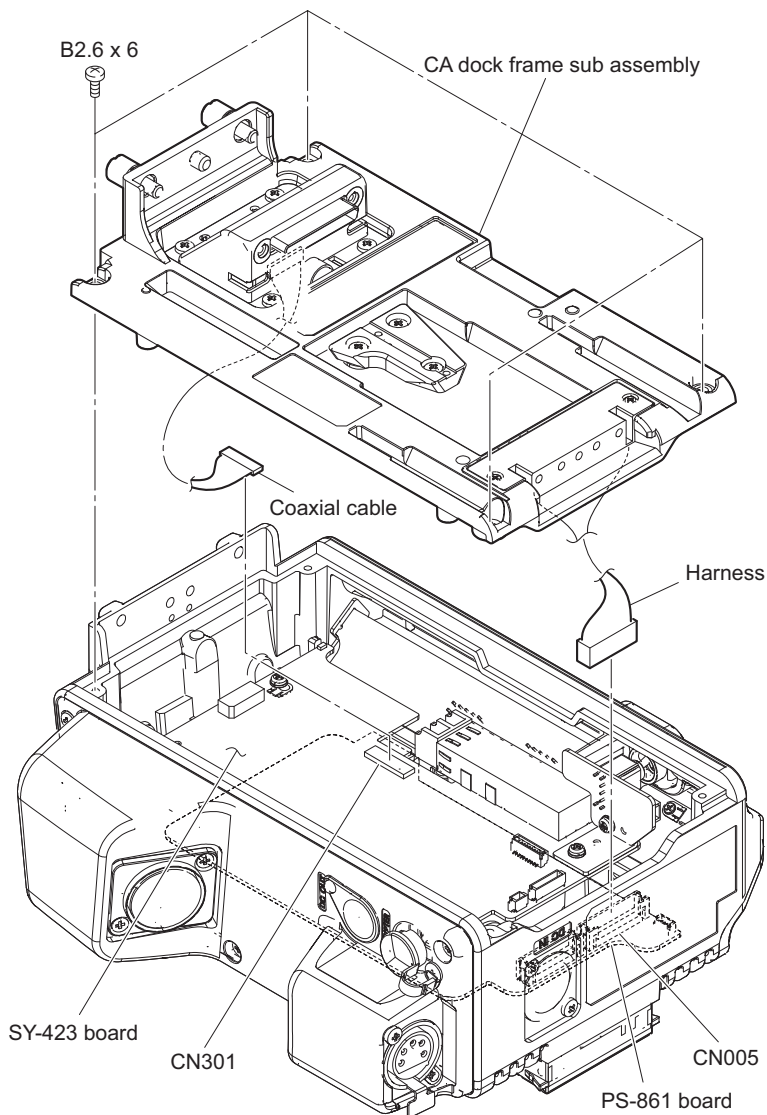
Procedure

1. Remove the four screws to detach the CA dock frame sub assembly.
2. Disconnect the coaxial cable from the connector (CN301) on the SY-423 board.

Note

When disconnecting the coaxial cable, hold its connector.

3. Disconnect the harness from the connectors (CN005) on the PS-861 board.



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

2-2. CI-47 Board

Preparation

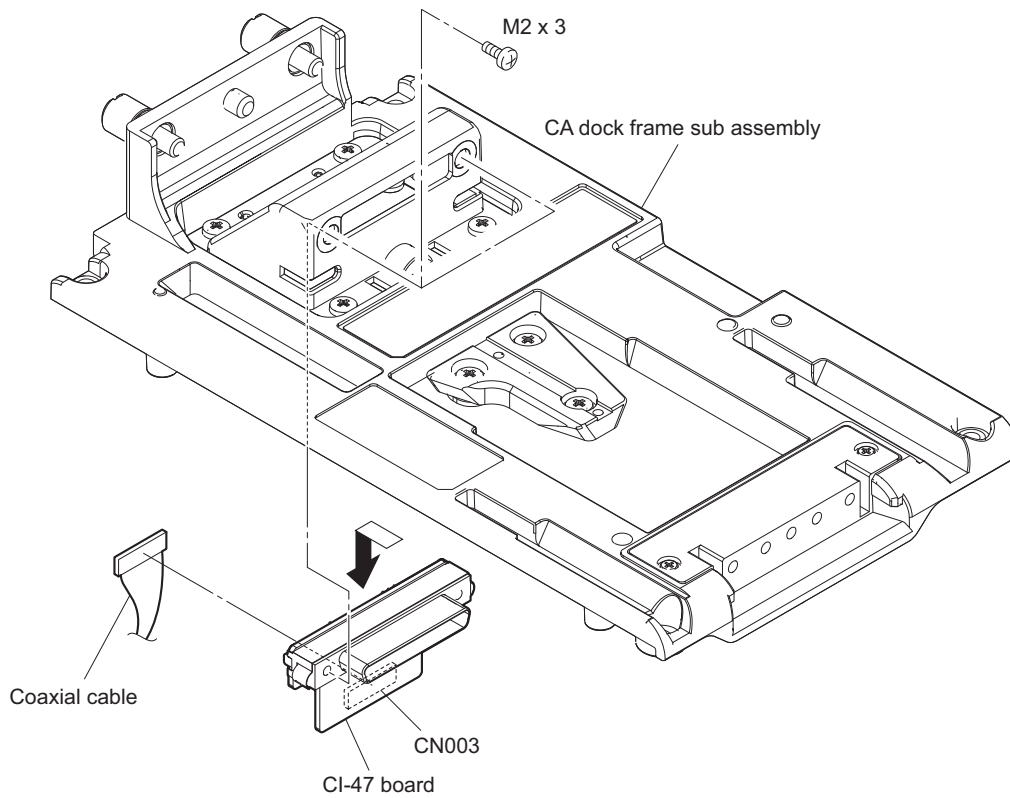
1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)

Procedure

1. Remove the two screws to detach the CI-47 board in the arrow direction.
2. Disconnect the coaxial cable from the connector (CN003) on the CI-47 board.

Note

When disconnecting the coaxial cable, hold its connector.



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

2-3. Outside Panel Assembly

Preparation

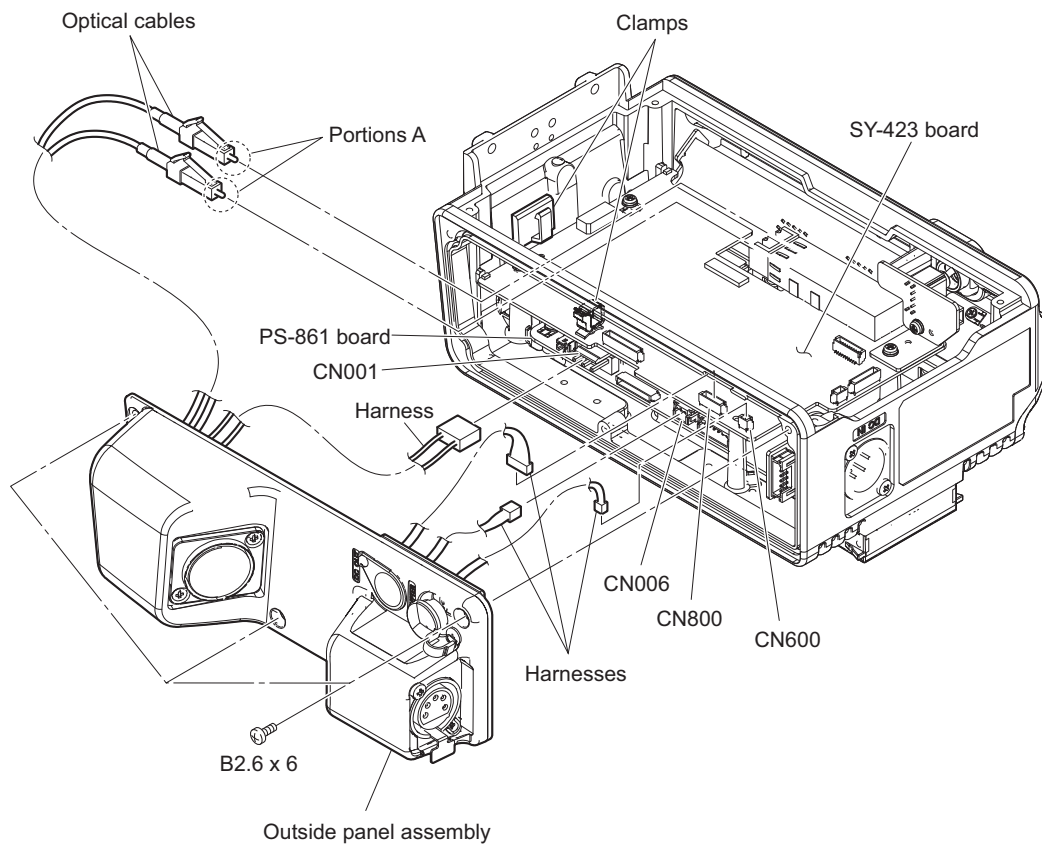
1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)

Procedure

1. Remove the three screws to detach the outside panel assembly.
2. Remove the two clamps to disconnect the two optical cables.

Note

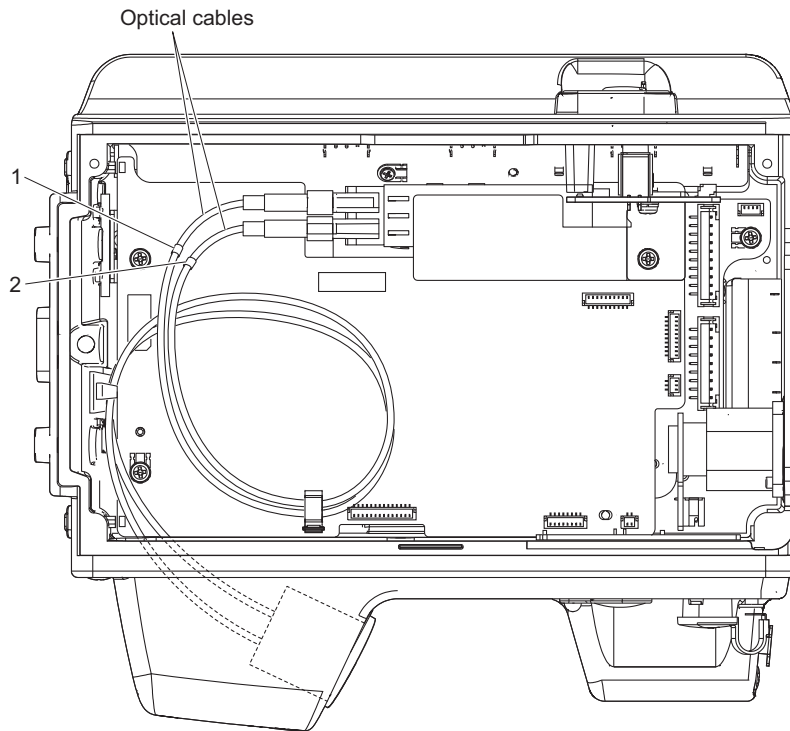
- Carefully handle optical cables because they are likely to be damaged.
 - Do not touch portion A of the optical cable with your bare hands.
3. Disconnect the harness from the connector (CN001) on the PS-861 board.
 4. Disconnect the harness from the connector (CN006) on the PS-861 board.
 5. Disconnect the two harnesses from the two connectors (CN600, CN800) on the SY-423 board.



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

Note

- Before connecting the optical fiber cable, clean its end .
- Arrange the optical cables as shown in the figure.
- Connect optical cables correctly according to respective marks (“1” and “2”).



2-4. Optical Connector (CA) Assembly

Preparation

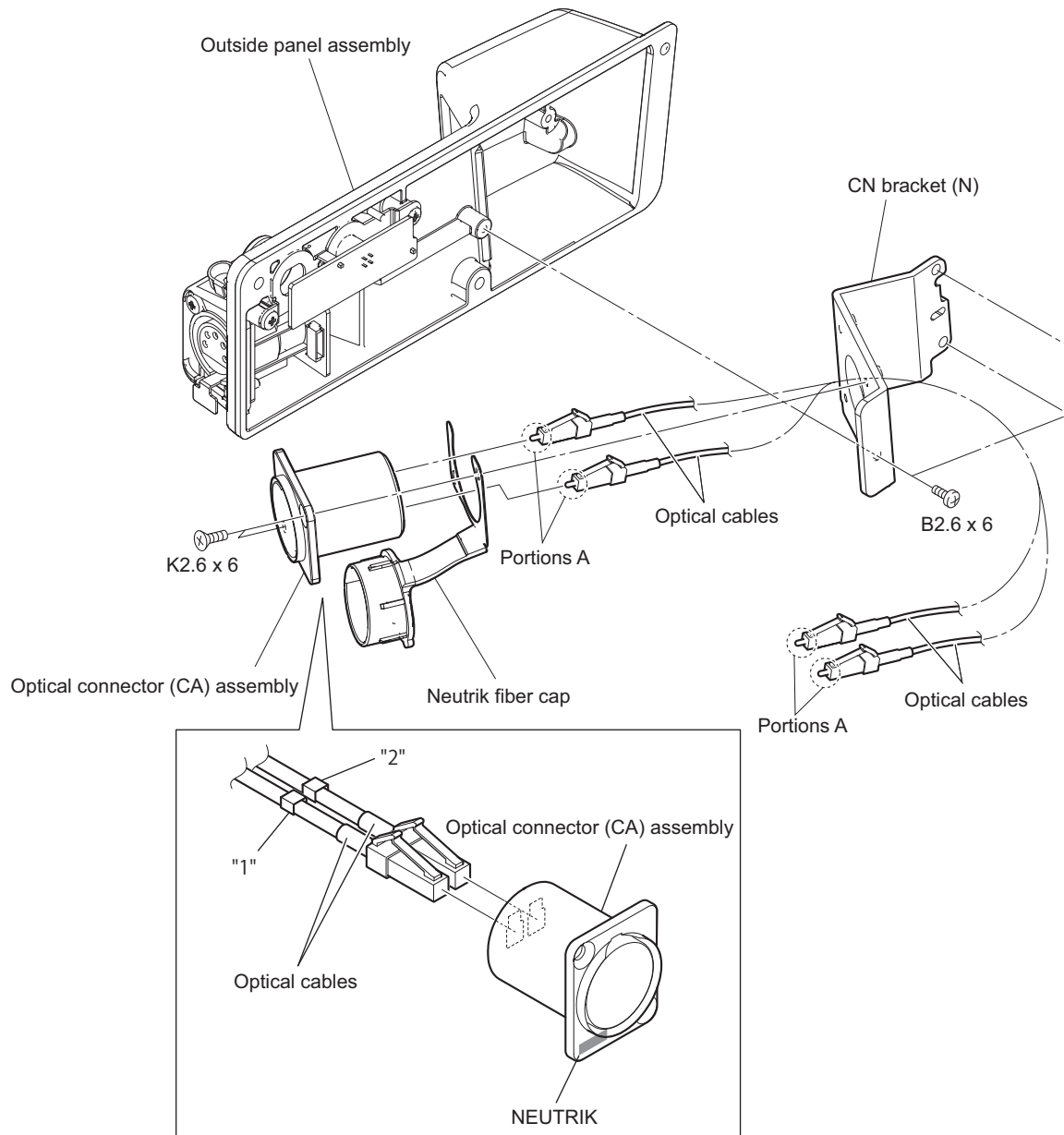
1. Remove the CA dock frame sub assembly. (Refer to [“2-1. CA Dock Frame Sub Assembly”](#))
2. Remove the outside panel assembly. (Refer to [“2-3. Outside Panel Assembly”](#))

Procedure

Note

- Carefully handle optical cables because they are likely to be damaged.
 - Do not touch portion A of the optical cable with your bare hands.
1. Remove the three screws (B2.6 x 6) to detach the CN bracket (N) .
 2. Disconnect the two optical cables from the optical connector (CA) assembly.

3. Remove the two screws (K2.6 x 6) to detach the optical connector (CA) assembly and Neutrik fiber cap.



Note

When connecting an optical cable, note the following.

- Clean the optical cables end.
- Do not to mistake the orientation of the optical connector (CA) assembly and the cable connecting position.

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

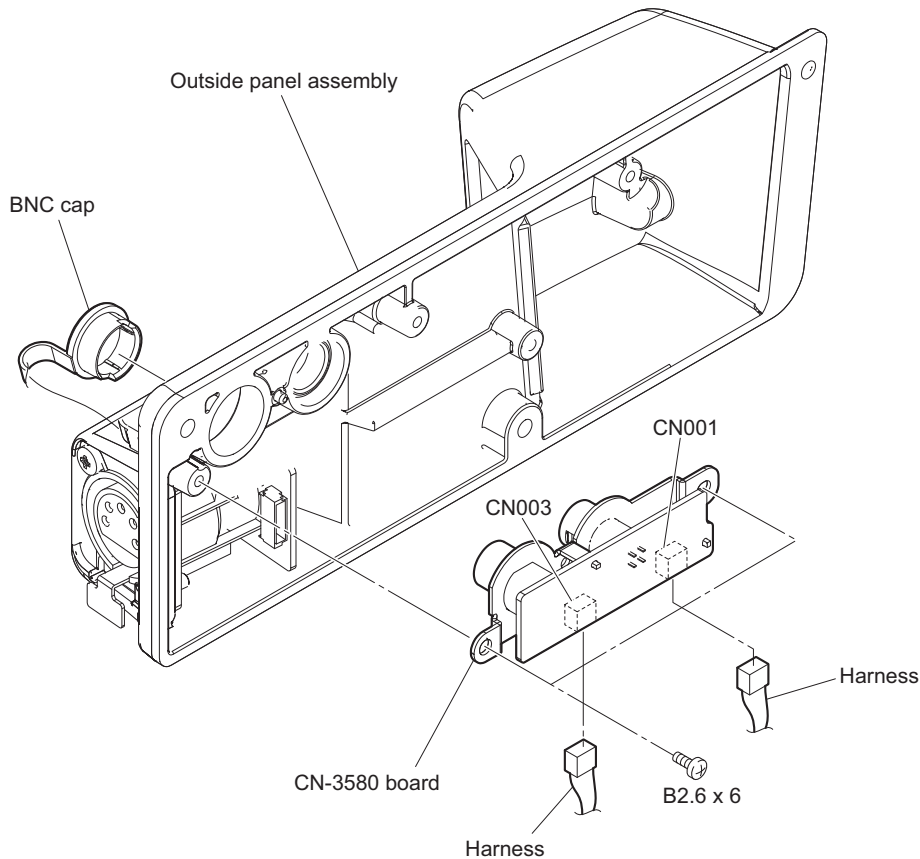
2-5. CN-3580 Board

Preparation

1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)
2. Remove the outside panel assembly. (Refer to “2-3. Outside Panel Assembly”)

Procedure

1. Remove the BNC cap.
2. Remove the two screws to detach the CN-3580 board.
3. Disconnect the two harnesses from the two connectors (CN001, CN003) on the CN-3580 board.



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

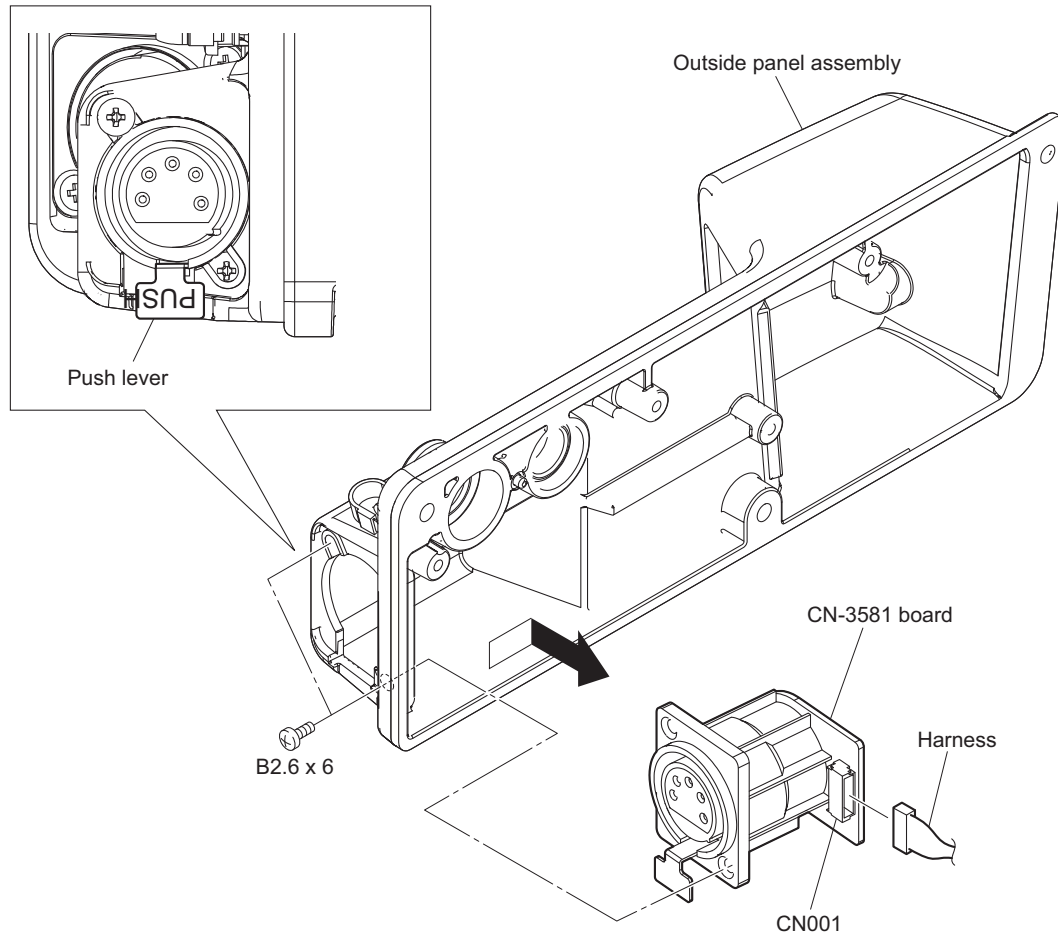
2-6. CN-3581 Board

Preparation

1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)
2. Remove the outside panel assembly. (Refer to “2-3. Outside Panel Assembly”)
3. Remove the CN-3580 board. (Refer to “2-5. CN-3580 Board”)

Procedure

1. Remove the two screws to detach the CN-3581 board in the arrow direction.
2. Disconnect the harness from the connector (CN001) on the CN-3581 board.



Note

Pass the push lever section first through the outside panel assembly hole and install the CN-3581 board.

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

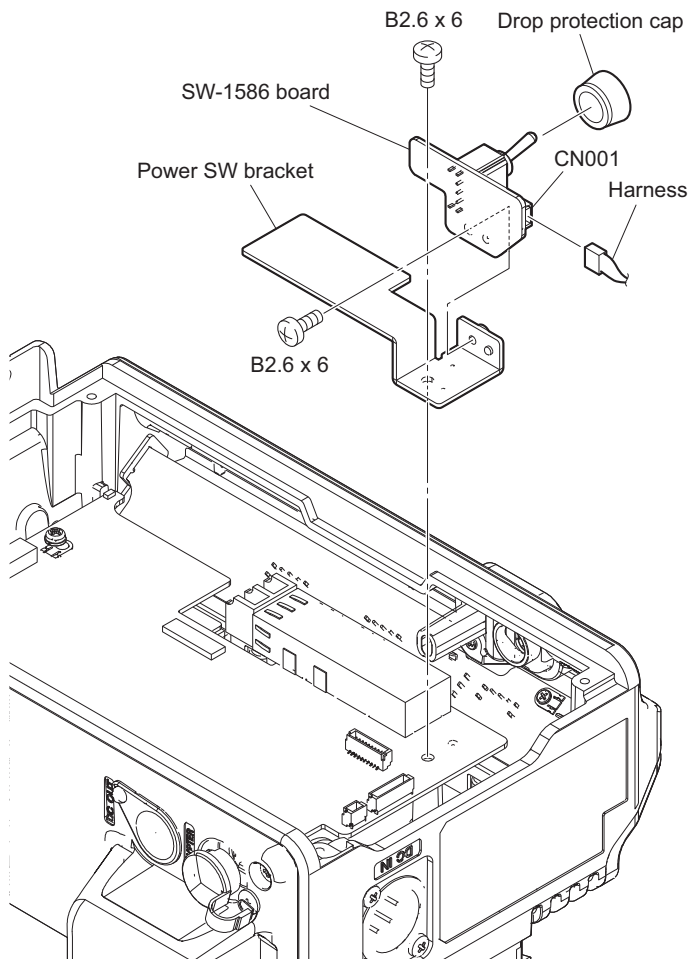
2-7. SW-1586 Board

Preparation

1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)

Procedure

1. Remove the screw to detach the power SW bracket.
2. Disconnect the harness from the connector (CN001) on the SW-1586 board.
3. Remove the screw to detach the SW-1586 board.
4. Remove the drop protection cap.



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

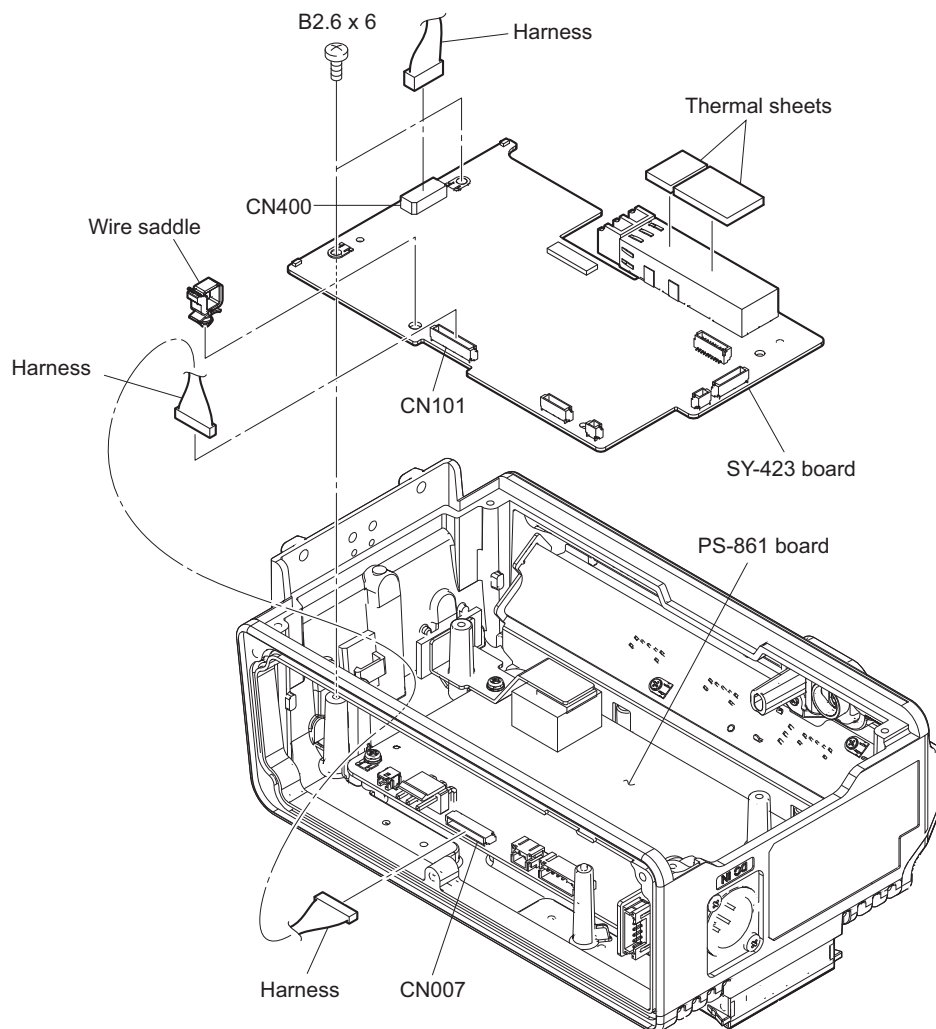
2-8. SY-423 Board

Preparation

1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)
2. Remove the outside panel assembly. (Refer to “2-3. Outside Panel Assembly”)
3. Remove the SW-1586 board. (Refer to “2-7. SW-1586 Board”)

Procedure

1. Disconnect the harness from the connector (CN400) on the SY-423 board.
2. Disconnect the harness from the connector (CN007) on the PS-861 board.
3. Remove the two screws to detach the SY-423 board.
4. Disconnect the harness from the connector (CN101) on the SY-423 board.
5. Remove the wire saddle from the SY-423 board.
6. Remove the two thermal sheets.



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

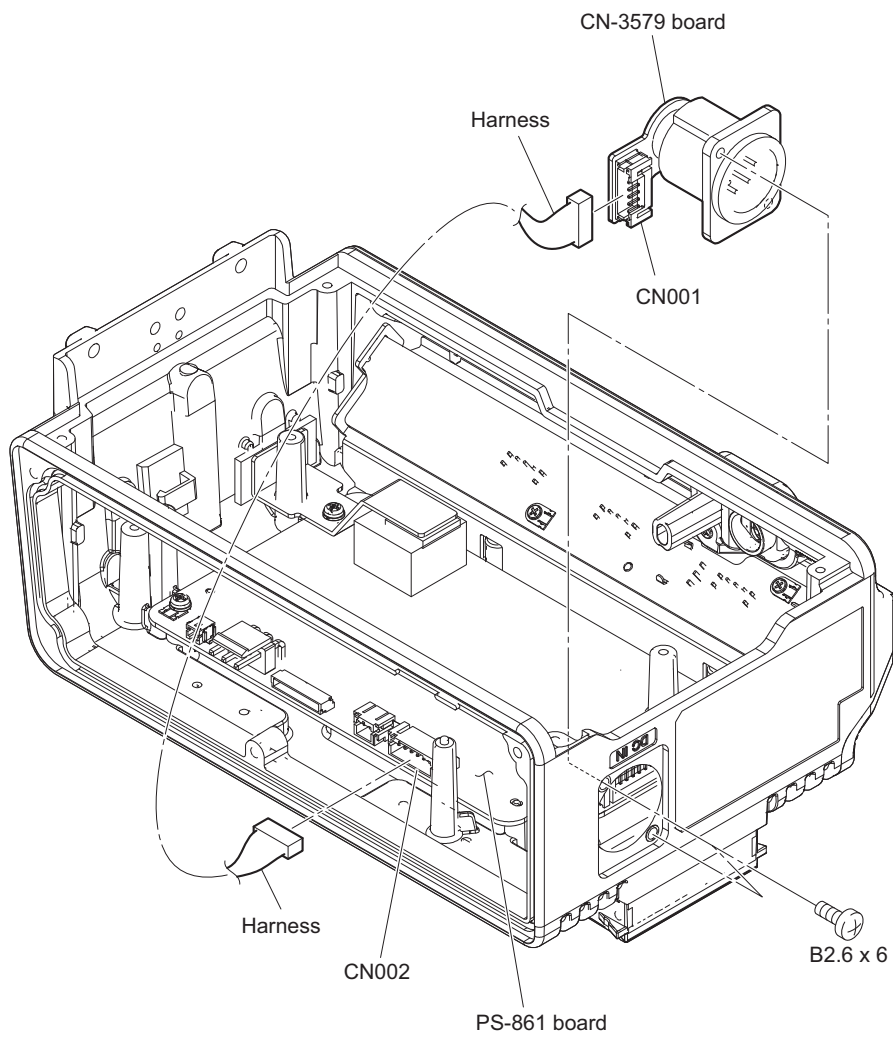
2-9. CN-3579 Board

Preparation

1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)
2. Remove the outside panel assembly. (Refer to “2-3. Outside Panel Assembly”)
3. Remove the SW-1586 board. (Refer to “2-7. SW-1586 Board”)
4. Remove the SY-423 board. (Refer to “2-8. SY-423 Board”)

Procedure

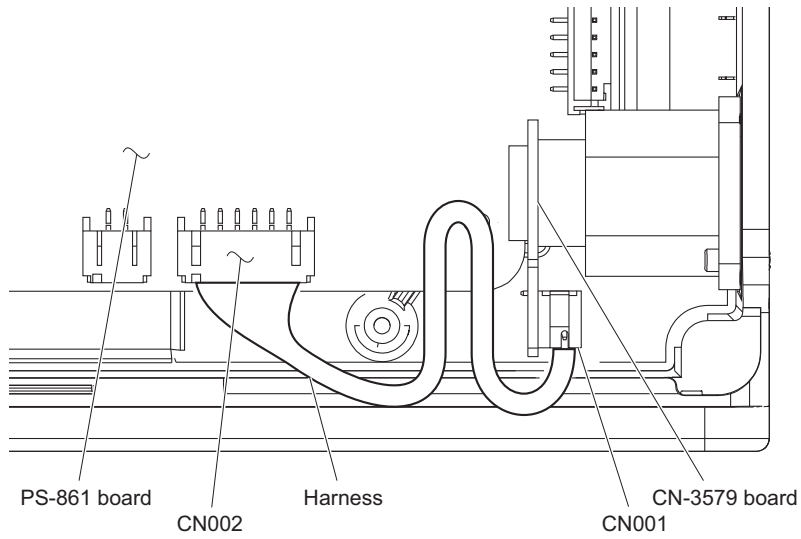
1. Disconnect the harness from the connector (CN002) on the PS-861 board.
2. Remove the two screws to detach the CN-3579 board.
3. Disconnect the harness from the connector (CN001) on the CN-3579 board.



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

Note

Arrange the harness as shown in the figure.



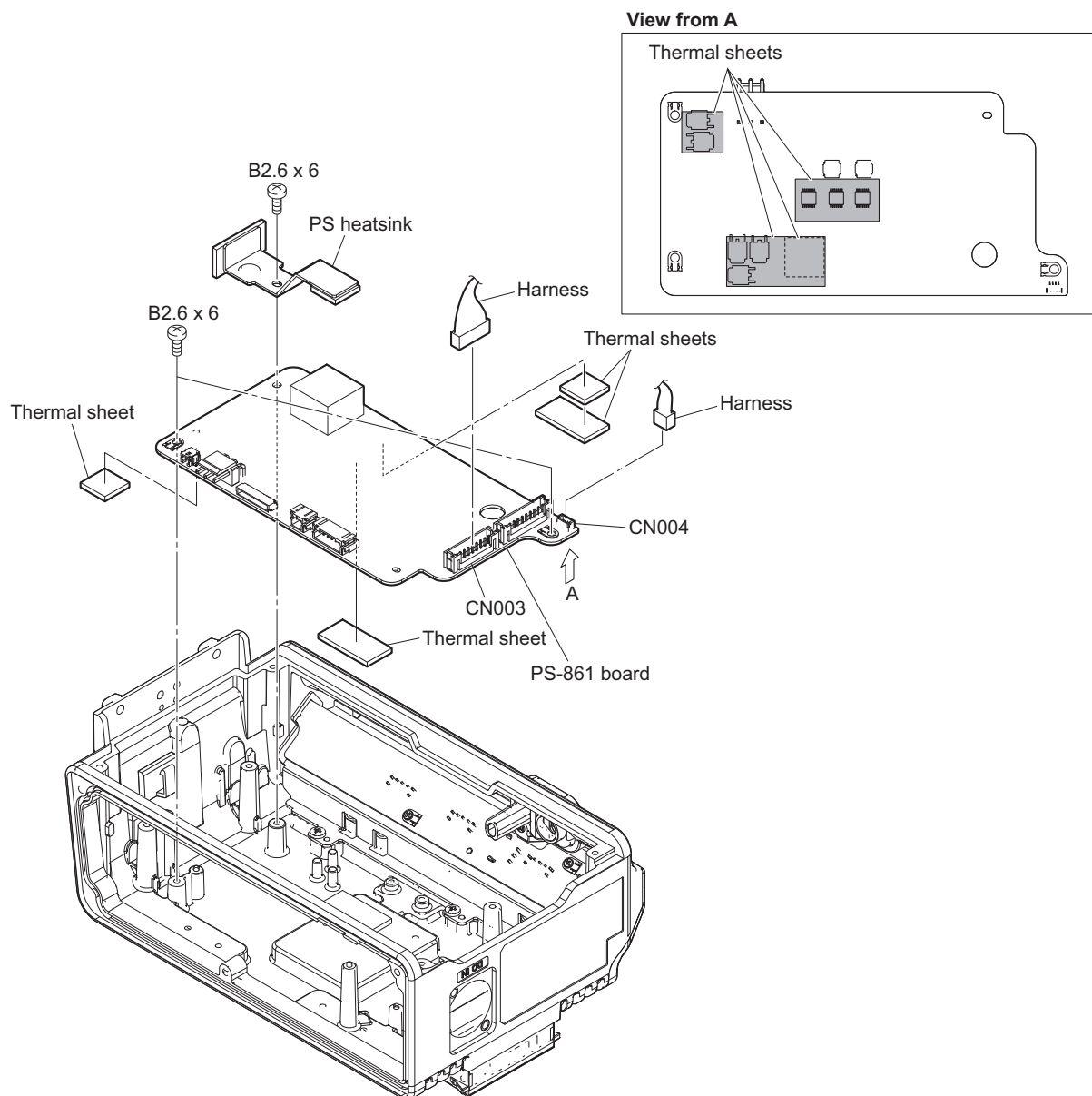
2-10. PS-861 Board

Preparation

1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)
2. Remove the outside panel assembly. (Refer to “2-3. Outside Panel Assembly”)
3. Remove the SW-1586 board. (Refer to “2-7. SW-1586 Board”)
4. Remove the SY-423 board. (Refer to “2-8. SY-423 Board”)
5. Remove the CN-3579 board. (Refer to “2-9. CN-3579 Board”)

Procedure

1. Remove the screw to detach the PS heatsink.
2. Disconnect the harness from the connector (CN003) on the PS-861 board.
3. Remove the two screws to detach the PS-861 board.
4. Disconnect the harness from the connector (CN004) on the PS-861 board.
5. Disconnect the four thermal sheets.



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

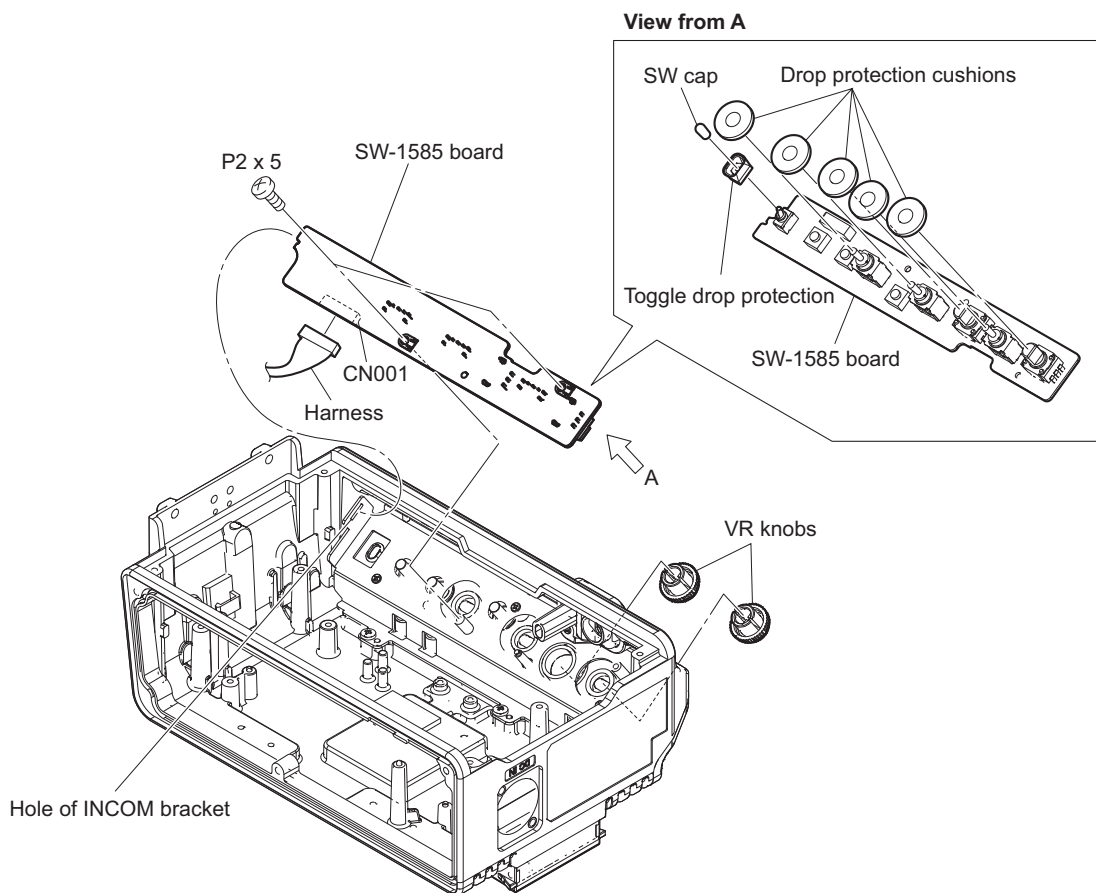
2-11. SW-1585 Board

Preparation

1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)
2. Remove the outside panel assembly. (Refer to “2-3. Outside Panel Assembly”)
3. Remove the SW-1586 board. (Refer to “2-7. SW-1586 Board”)
4. Remove the SY-423 board. (Refer to “2-8. SY-423 Board”)
5. Remove the CN-3579 board. (Refer to “2-9. CN-3579 Board”)
6. Remove the PS-861 board. (Refer to “2-10. PS-861 Board”)

Procedure

1. Remove the two VR knobs and SW cap.
2. Remove the two screws to detach the SW-1585 board.
3. Disconnect the harness from the connector (CN001) on the SW-1585 board.
4. Remove the five drop protection cushions and a toggle drop protection from the SW-1585 board.



Note

Firmly insert the SW-1585 board into the INCOM bracket hole to mount it.

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

Section 3

Installation

3-1. Replacing NEUTRIK's Optical Connector with LEMO's Optical Connector

A NEUTRIK's optical connector is normally mounted as the CCU connector of the unit. The optical connector of the optical connector assembly can be replaced with a LEMO's optical connector by the fiber connector kit (HKC-LC01).

Note

- Carefully handle optical cables because they are likely to be damaged.
- Do not touch the optical cable end with bare hands.
- Use the screws supplied with the HKC-LC01 for use for the part to be replaced.
- Send the removed NEUTRIK's optical connector back to the customer with the cap attached to the end of the optical cable.

Preparation

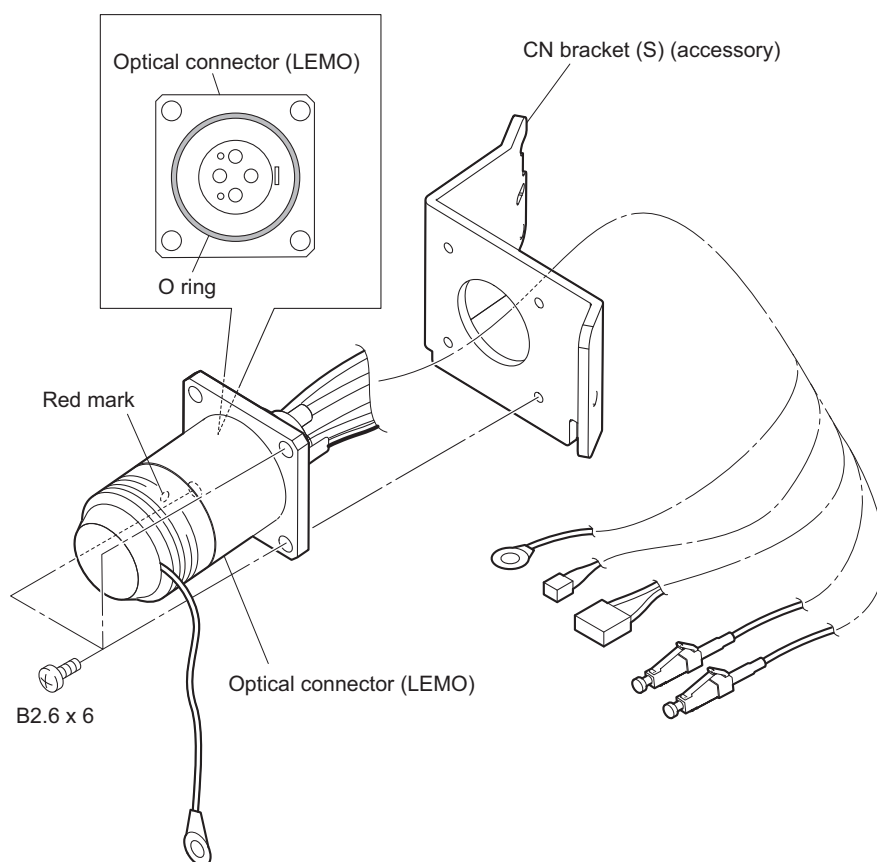
1. Remove the CA dock frame sub assembly. (Refer to “2-1. CA Dock Frame Sub Assembly”)
2. Remove the Outside panel assembly. (Refer to “2-3. Outside Panel Assembly”)
3. Remove the Optical connector (CA) assembly. (Refer to “2-4. Optical Connector (CA) Assembly”)

Procedure

1. Attach the CN bracket (S) to the optical connector (LEMO) with the three screws supplied with the HKC-LC01.

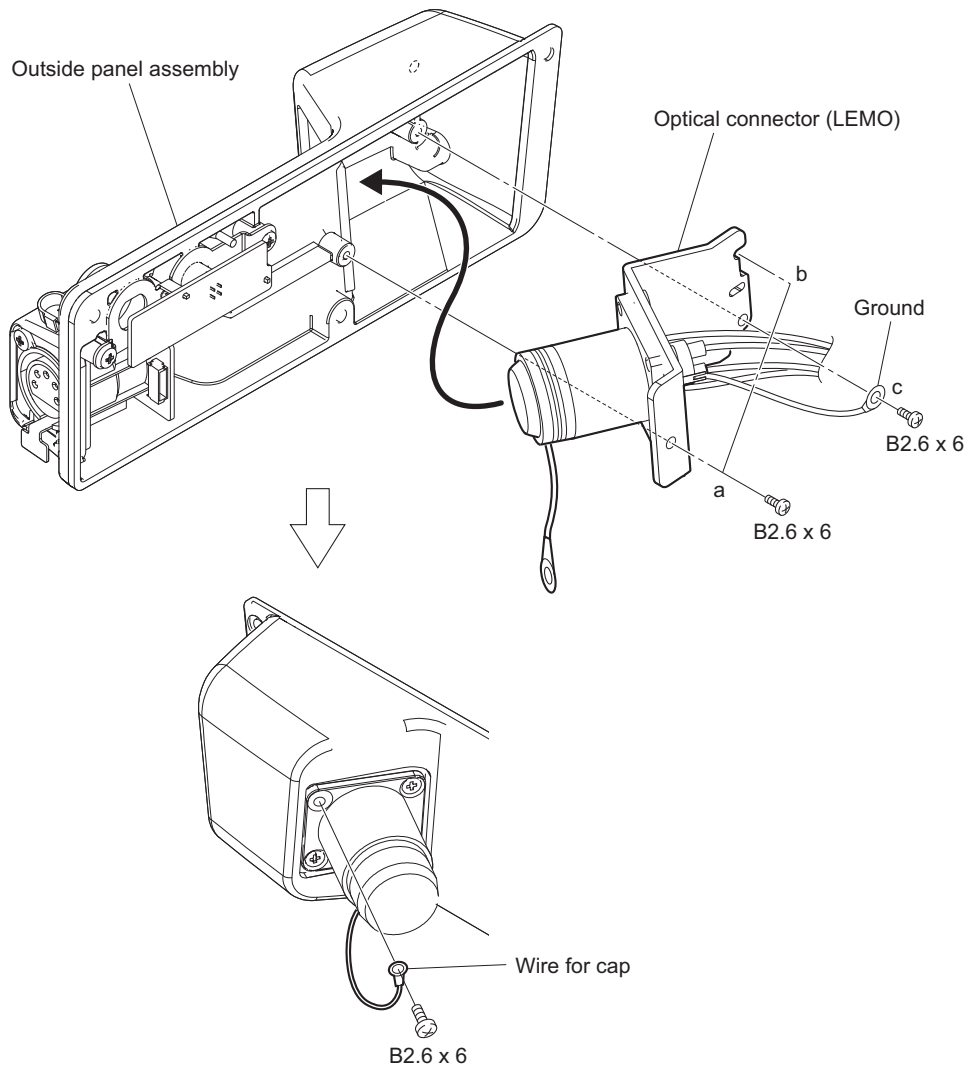
Note

- When attaching the CN bracket (S), pay attention to the position of the red mark on the optical connector (LEMO).
- Check that the O-ring is fit into the groove of the optical connector (LEMO).



2. Install the optical connector (LEMO) to the outside assembly by the two screws (a, b).

3. Install the ground by the screw (c).

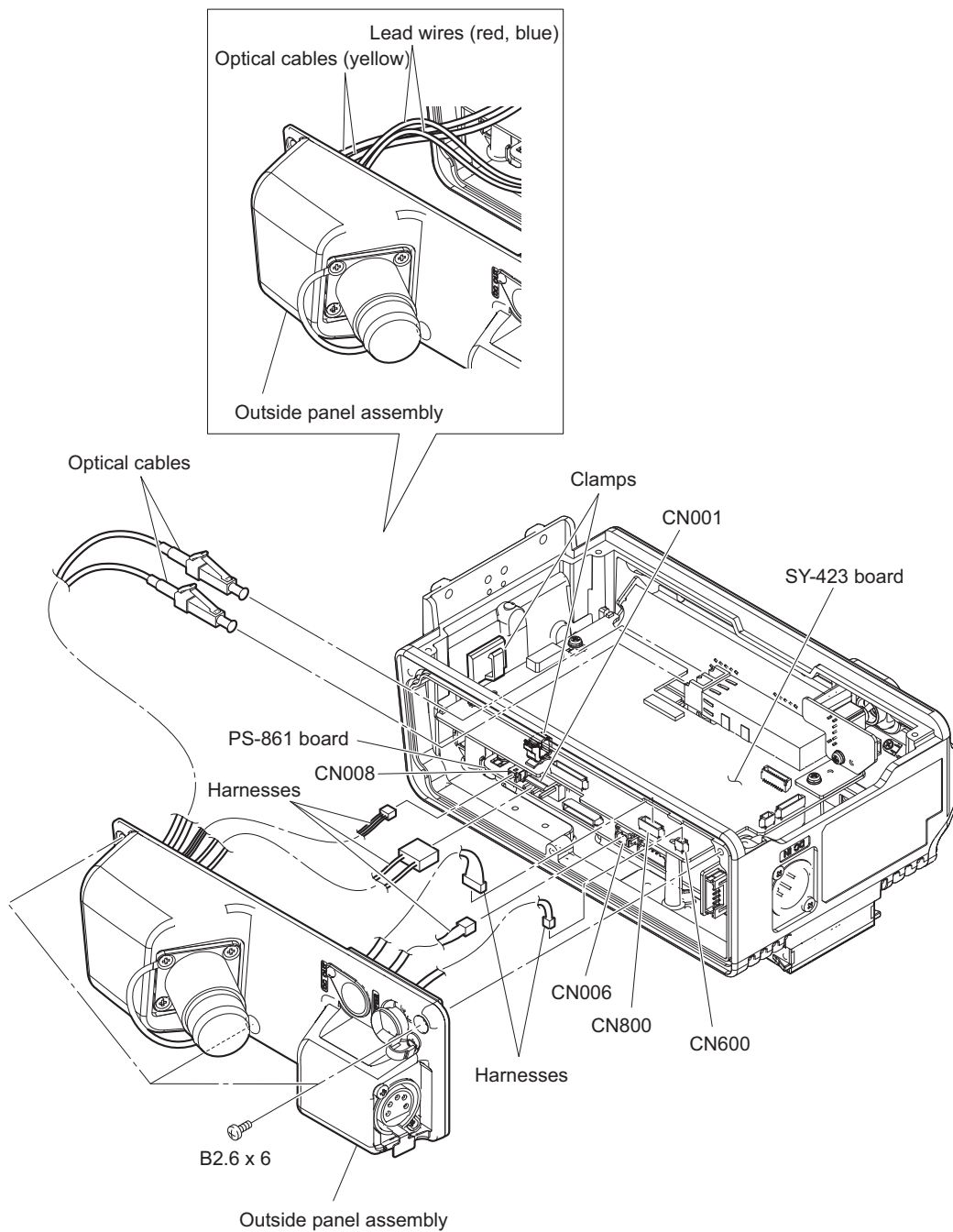


4. Connect the three harnesses to the three connectors (CN001, CN006, CN008) on the PS-861 board.
5. Connect the two harnesses to the two connectors (CN600, CN800) on the SY-423 board.

6. Install the outside panel assembly by the three screws.

Note

Arrange the optical cables (yellow) under the lead wires (red, blue).

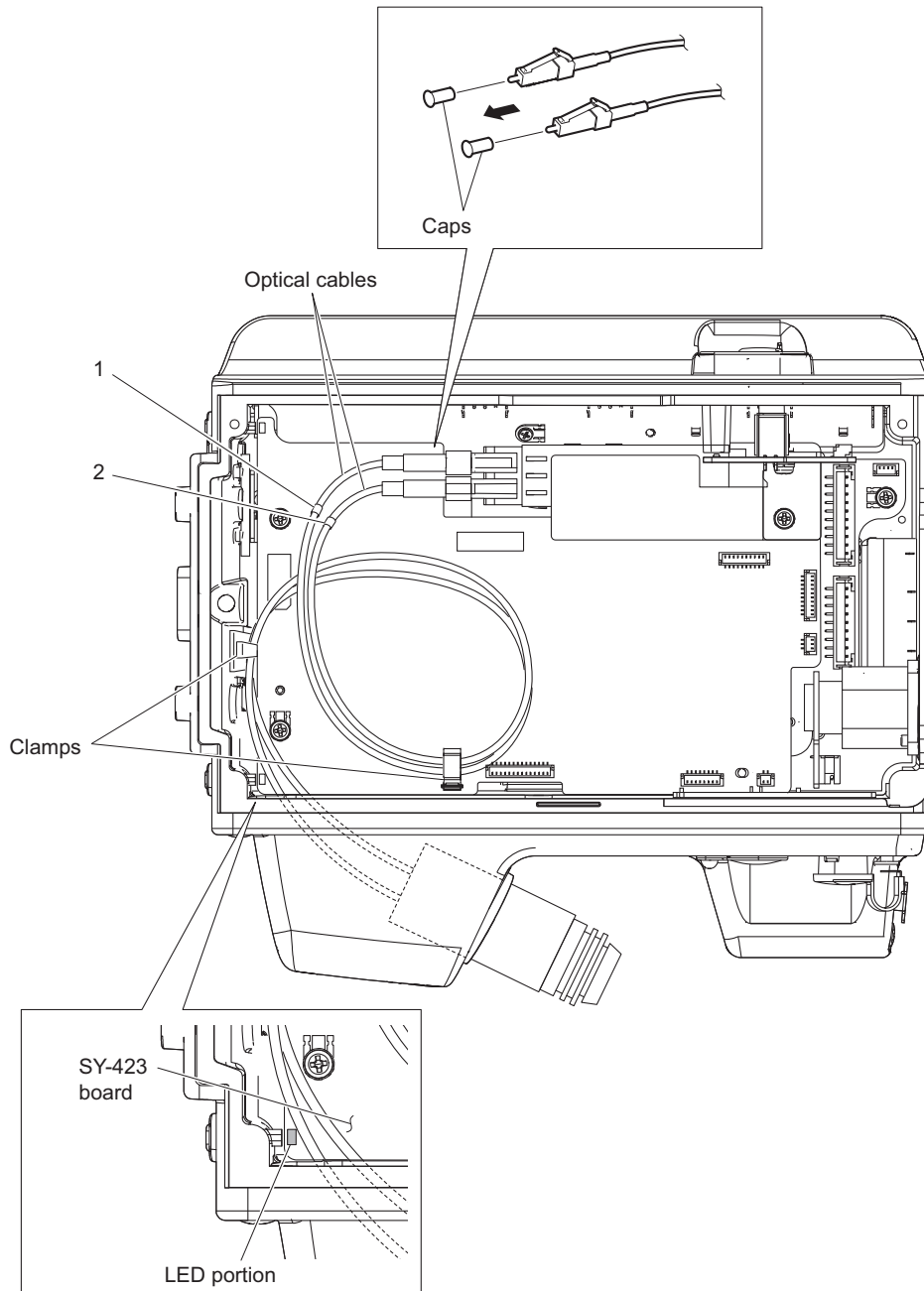


7. Remove the two caps from the two optical cables.

8. Pass the two optical cables through the two clamps and connect them as shown below.

Note

- Before connecting the optical fiber cable, clean its end.
- Connect optical cables correctly according to respective marks ("1" and "2") .
- Check that the harnesses are kept off the LED portion of the SY-423 board.



9. Install the CA doc frame sub assembly. (Refer to [“2-1. CA Dock Frame Sub Assembly”](#))

Section 4

Spare Parts

4-1. Note on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked $\triangle$ 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

$\triangle$ 警告

$\triangle$ 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

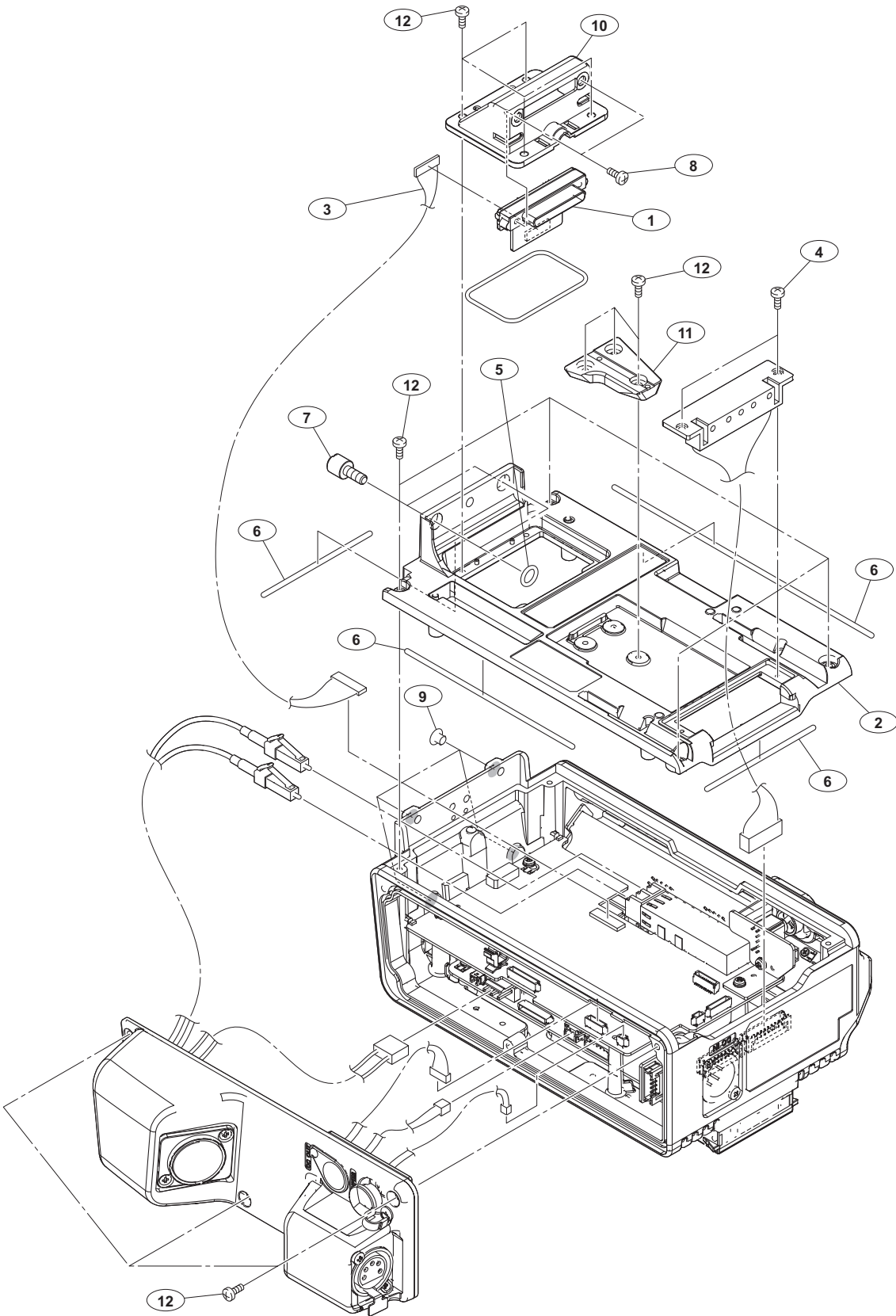
部品表の SP (Supply code) 欄に “o” で示される部品は在庫していないことがあります、納期が長くなる場合があります。

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。

4-2. Exploded Views

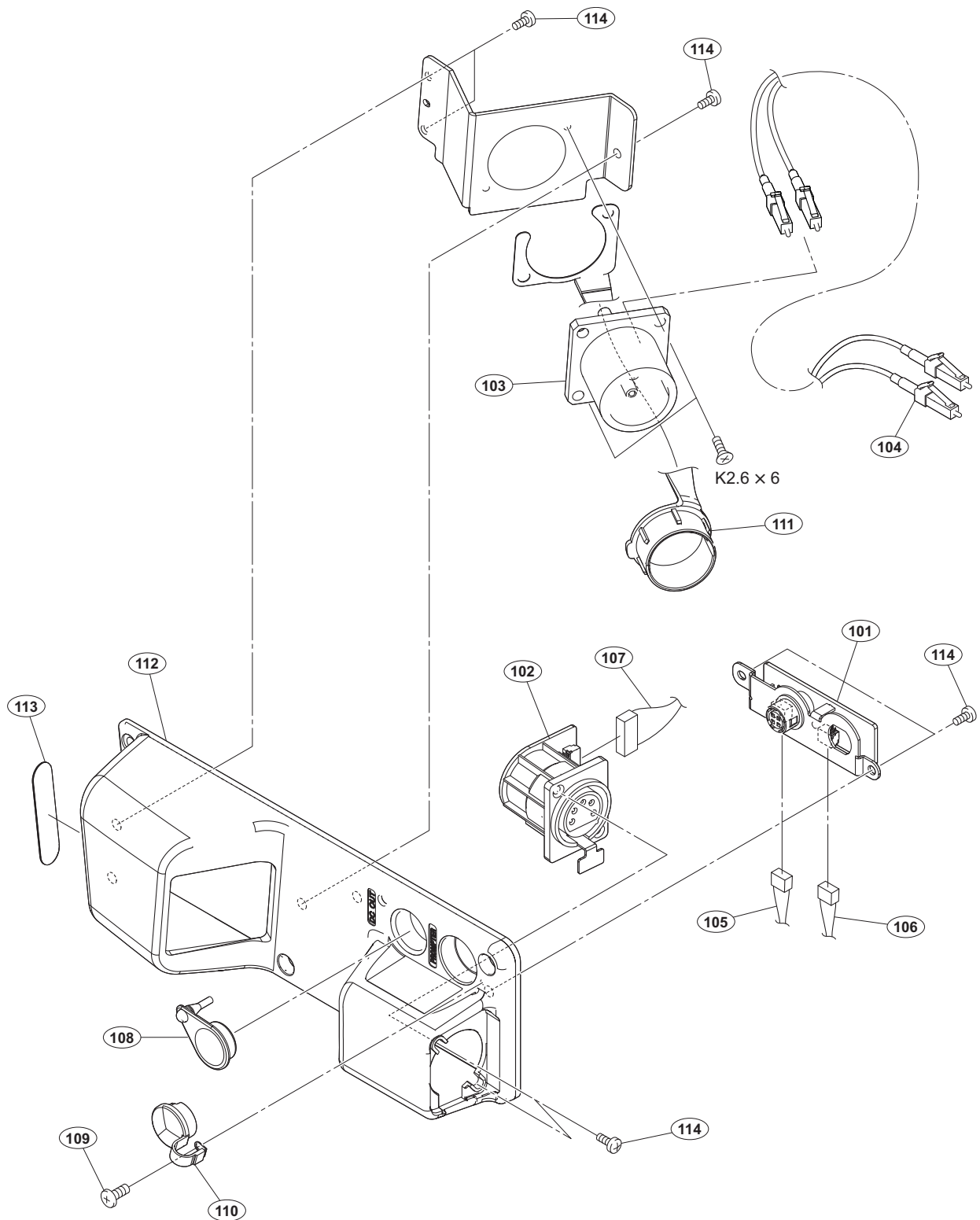
Sub Frame Block



Sub Frame Block

No.	Part No.	SP Description
1	A-1903-374-A	s MOUNTED CIRCUIT BOARD, CI-47
2	X-2585-905-2	s FRAME SUB ASSY, CA DOCK
3	1-968-110-11	s HARNESS (COAXIAL CABLE)
4	2-630-005-01	s SCREW (M2), NEW TRUSTER, P2
5	3-601-846-01	s RING O
6	3-624-455-01	s TUBE, SHIELD
7	3-717-914-02	s SCREW, DOCKING
8	3-732-791-02	s SCREW (M2X3)
9	4-138-679-01	s SCREW, BLIND
10	 4-262-101-02	s BRACKET, 50P
11	4-445-025-01	s SHOE
12	4-673-655-01	s SCREW +B

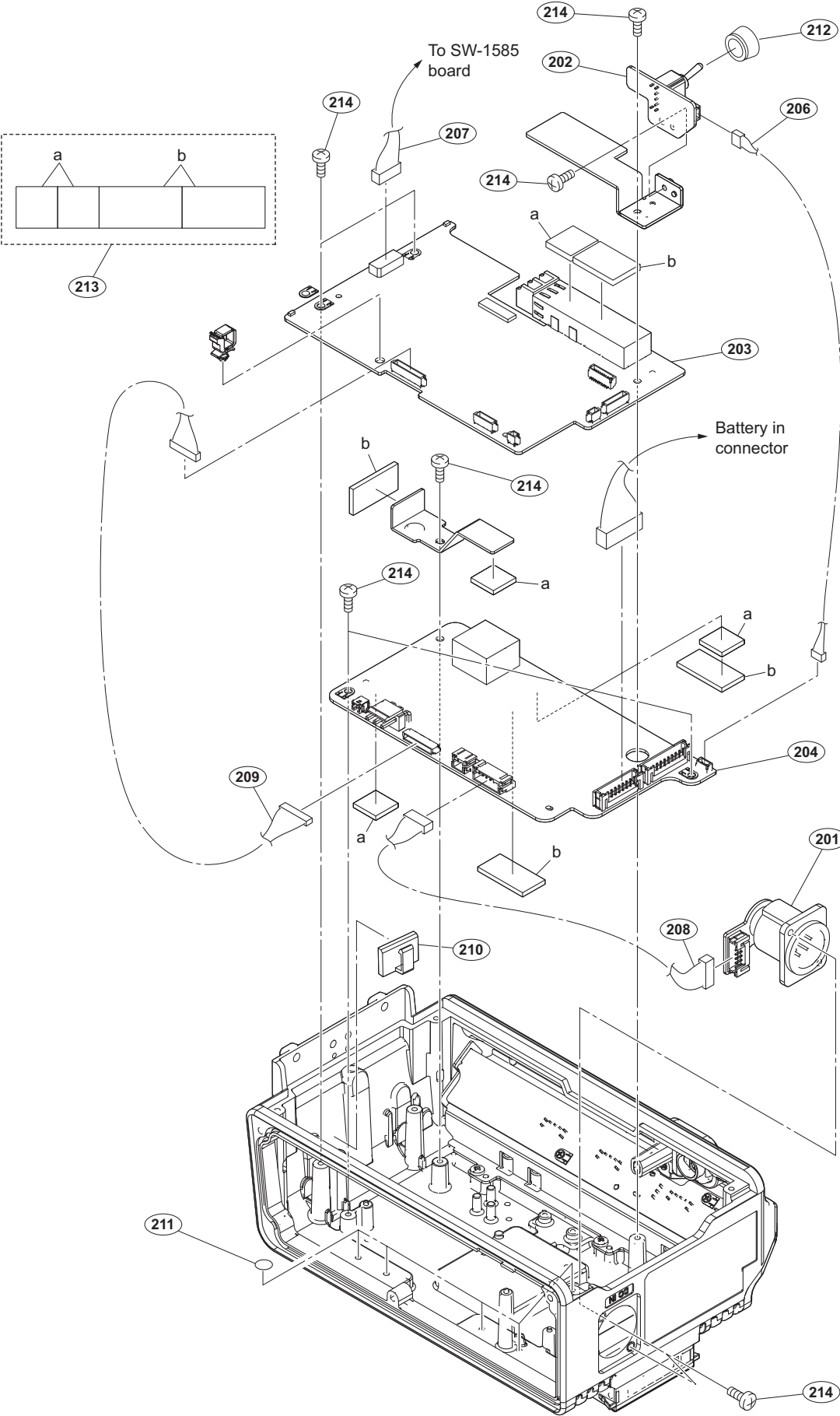
Outside Panel Block



No.	Part No.	SP Description
101	A-1903-376-A s	MOUNTED CIRCUIT BOARD, CN-3580
102	A-1903-377-A s	MOUNTED CIRCUIT BOARD, CN-3581
103	A-1906-333-A s	OPTICAL CONNECTOR (CA) ASSY
104	1-846-443-11 s	CABLE, LC-LC
105	1-968-704-11 s	HARNESS, SUB (DC OUT)
106	1-968-706-11 s	HARNESS, SUB (PROMPTER)
107	1-968-707-11 s	HARNESS, SUB (INCOM)
108	3-724-730-03 s	RUBBER (EA), DROP PROTECTION
109	3-732-791-02 s	SCREW (M2X3)

No.	Part No.	SP Description
110	3-868-657-03 s	CAP, BNC
111	4-444-729-02 s	CAP, NEUTRIK FIBER
112	⚠ 4-444-786-02 s	PANEL, OUTSIDE
113	4-444-795-01 s	SHEET, BLIND
114	4-673-655-01 s	SCREW +B
	7-621-561-19 s	+K 2.6X6

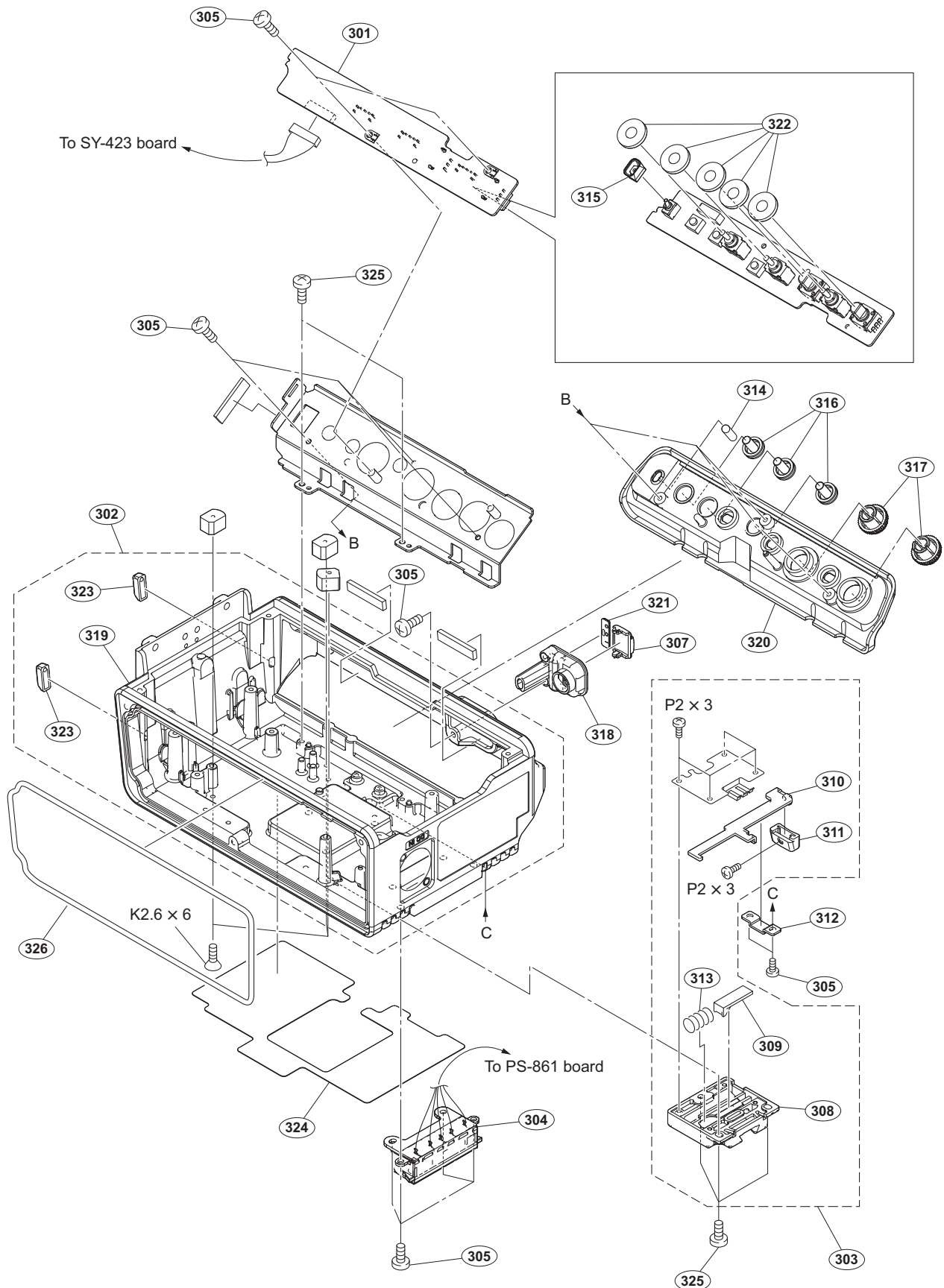
Boards Block



Boards Block

No.	Part No.	SP Description
201	A-1903-375-A	s MOUNTED CIRCUIT BOARD, CN-3579
202	A-1903-379-A	s MOUNTED CIRCUIT BOARD, SW-1586
203	A-1903-493-A	s MOUNTED CIRCUIT BOARD, SY-423
204	A-1903-494-A	s MOUNTED CIRCUIT BOARD, PS-861
206	1-967-995-11	s HARNESS, SUB (SH4)
207	1-968-702-11	s HARNESS, SUB (SW PANEL)
208	1-968-705-11	s HARNESS, SUB (EXT DC IN)
209	1-968-710-11	s HARNESS, SUB (SY POWER)
210	3-257-200-01	s CLAMP, CORD
211	3-796-946-03	s TAPE (A)
212	3-870-137-02	s CAP, DROP PROTECTION
213	 4-445-212-01	s SHEET, THERMAL
214	4-673-655-01	s SCREW +B

Main Frame and Rear Panel Block



No.	Part No.	SP Description
301	A-1903-378-A s	MOUNTED CIRCUIT BOARD, SW-1585
302	A-1903-606-A s	FRAME(F) SUB ASSY, MAIN

No.	Part No.	SP Description
303	A-8279-091-D s	MOUNT ASSY,V
304	1-968-703-11 s	HARNESS, SUB (BATT IN)

Main Frame and Rear Panel Block

No.	Part No.	SP Description
305	2-630-005-01 s	SCREW(M2),NEW TRUSTER,P2
307	3-612-669-01 o	LID,POWER SW
308	3-616-721-02 o	MOUNT (2),V
309	3-679-687-02 s	LOCK,SLIDE
310	3-679-688-03 s	LEVER,RELEASE
311	3-680-952-02 o	KNOB,RELEASE LEVER
312	3-697-119-03 s	RETAINER
313	3-704-964-01 s	SPRING,COMPRESSION
314	3-869-842-01 s	CAP,SW
315	3-903-660-01 s	DROP PROTECTION,TOGGLE
316	4-138-682-01 s	SW COVER
317	4-299-745-01 s	VR KNOB
318	4-400-101-01 s	POWER SW HOUSING
319	△ 4-444-797-01 s	FRAME(F), MAIN
320	4-444-798-01 s	COVER, INCOM
321	4-444-800-01 s	SHEET(F), POWER SW
322	4-445-208-01 s	CUSHION, DROP PROTECTION
323	4-445-221-01 s	LIGHT, GUIDE
324	4-445-279-01 s	SPACER(F), REAR
325	4-673-655-01 s	SCREW +B
326	3-624-455-01 s	TUBE, SHIELD
	7-621-561-19 s	+K 2.6X6
	7-627-553-38 s	SCREW,PRECISION +P 2X3

4-3. Electrical Parts List

CI-47 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1903-374-A	s MOUNTED CIRCUIT BOARD, CI-47
CN003	1-843-071-11	s CONNECTOR, COAXIAL (RECEPTACLE)
R003	1-218-990-81	s CONDUCTOR, CHIP (1005)
R007	1-218-990-81	s CONDUCTOR, CHIP (1005)

CN-3579 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1903-375-A	s MOUNTED CIRCUIT BOARD, CN-3579
C001	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C002	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C003	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
CN001	1-770-161-21	s PIN, CONNECTOR (PC BOARD) 6P
CN002	1-820-882-11	s CONNECTOR (RECEPTACLE), XLR
FB001	1-414-772-21	s FERRITE. EMI (SMD) (2012)
FB002	1-414-772-21	s FERRITE. EMI (SMD) (2012)
FB003	1-414-772-21	s FERRITE. EMI (SMD) (2012)
FB004	1-414-772-21	s FERRITE. EMI (SMD) (2012)
FB005	1-414-772-21	s FERRITE. EMI (SMD) (2012)
FB006	1-414-772-21	s FERRITE. EMI (SMD) (2012)

CN-3580 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1903-376-A	s MOUNTED CIRCUIT BOARD, CN-3580
C001	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C002	1-114-236-21	s CAP, CERAMIC 22MF B (3225)
C003	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
CN001	1-770-160-21	s PIN, CONNECTOR (PC BOARD) 2P
CN002	1-563-929-11	s CONNECTOR, ROUND TYPE (RF) 4P
CN003	1-770-619-21	s PIN, CONNECTOR 2P
CN004	1-580-724-12	s CONNECTOR, BNC
FB001	1-414-772-21	s FERRITE. EMI (SMD) (2012)
FB002	1-414-772-21	s FERRITE. EMI (SMD) (2012)
FB003	1-414-772-21	s FERRITE. EMI (SMD) (2012)

CN-3581 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1903-377-A	s MOUNTED CIRCUIT BOARD, CN-3581
C001	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C002	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C003	1-114-214-81	s CAP,CHIP CERAMIC470PF CH1005
CN001	1-770-625-21	s PIN, CONNECTOR 8P
CN002	1-784-602-11	s CONNECTOR, XLR (RECEPTACLE) 5P
FB001	1-414-445-21	s FERRITE, EMI (SMD) (1608)
FB002	1-414-445-21	s FERRITE, EMI (SMD) (1608)

CN-3581 BOARD

Ref. No. or Q'ty	Part No.	SP Description
FB004	1-414-445-21	s FERRITE, EMI (SMD) (1608)
L001	1-457-165-21	s COMMON MODE CHOKE COIL

PS-861 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1903-494-A	s MOUNTED CIRCUIT BOARD, PS-861
C001	1-112-317-11	s CAP, CHIP CERAMIC 0.1MF (2012)
C002	1-165-467-21	s CAP, ELECT 47MF 8X10
C003	1-112-863-91	s CAP, CERAMIC 0.22MF B (1005)
C004	1-112-863-91	s CAP, CERAMIC 0.22MF B (1005)
C005	1-114-419-21	s CAP, CERAMIC 10MF B (2012)
C006	1-165-467-21	s CAP, ELECT 47MF 8X10
C007	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C008	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C011	1-164-936-81	s CAP, CHIP CERAMIC 680PF B 1005
C012	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C013	1-107-819-81	s CAP,CHIP CERAMIC 22000PF B1005
C014	1-112-806-11	s CAP, ELECT 47MF
C015	1-112-806-11	s CAP, ELECT 47MF
C016	1-112-317-11	s CAP, CHIP CERAMIC 0.1MF (2012)
C017	1-114-479-91	s CAP, CERAMIC 2.2UF B 3225
C018	1-114-479-91	s CAP, CERAMIC 2.2UF B 3225
C020	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C021	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C022	1-112-317-11	s CAP, CHIP CERAMIC 0.1MF (2012)
C023	1-165-758-61	s CAP, ELECT 470MF 105
C024	1-164-939-81	s CAP, CHIPCERAMIC 2200PF B 1005
C025	1-164-939-81	s CAP, CHIPCERAMIC 2200PF B 1005
C026	1-165-758-61	s CAP, ELECT 470MF 105
C027	1-114-507-11	s CAP, CERAMIC 1UF X7R
C151	1-114-419-21	s CAP, CERAMIC 10MF B (2012)
C152	1-112-317-11	s CAP, CHIP CERAMIC 0.1MF (2012)
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	1-112-863-91	s CAP, CERAMIC 0.22MF B (1005)
C157	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C201	1-165-989-91	s CAP, CERAMIC 10MF (2012)
C202	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C203	1-165-989-91	s CAP, CERAMIC 10MF (2012)
C204	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C205	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C206	1-165-989-91	s CAP, CERAMIC 10MF (2012)
C207	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C208	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C209	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C210	1-165-989-91	s CAP, CERAMIC 10MF (2012)
C211	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C212	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C213	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C214	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C251	1-131-661-21	s CAP, CHIP ELECT 100MF(6.3X5.7)
C252	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C253	1-100-591-91	s CAP, CHIP CERAMIC 1MF B 2012
C301	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C302	1-131-661-21	s CAP, CHIP ELECT 100MF(6.3X5.7)
C401	1-116-737-11	s CAP, CERAMIC 1MF X5R 1005
C402	1-114-728-91	o CAP, CERAMIC 22MF B 3216
C404	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005
C405	1-116-118-11	s CAP, ELECT 47MF 105
C406	1-114-582-91	s CAP, CERAMIC 0.1MF B 1005

PS-861 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C407	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C408	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C409	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C410	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C411	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C413	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C414	1-116-118-11 s	CAP, ELECT 47MF 105
C415	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C416	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C417	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C418	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C419	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C420	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C421	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C423	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C424	1-116-118-11 s	CAP, ELECT 47MF 105
C425	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C426	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C427	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C429	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
C430	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C451	1-116-709-11 s	CAP, CERAMIC 22MF X5R 3225
C452	1-116-709-11 s	CAP, CERAMIC 22MF X5R 3225
C453	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C454	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C455	1-116-705-11 s	CAP, CERAMIC 47MF X5R 3225
C456	1-112-324-91 s	CAP, CERAMIC 0.47MF C (1005)
C457	1-114-728-91 o	CAP, CERAMIC 22MF B 3216
CN001	1-779-370-11 o	PIN, CONNECTOR (PC BOARD) 3P
CN002	1-770-161-21 s	PIN, CONNECTOR (PC BOARD) 6P
CN003	1-816-296-21 s	PIN, CONNECTOR (PC BOARD) 9P
CN004	1-779-884-21 s	CONNECTOR 4P
CN005	1-770-468-21 s	PIN, CONNECTOR (PC BOARD) 10P
CN006	1-770-160-21 s	PIN, CONNECTOR (PC BOARD) 2P
CN007	1-778-336-21 s	PIN, CONNECTOR (PC BOARD) 14P
CN008	1-695-479-21 o	PIN, CONNECTOR (PC BOARD) 2P
D001	8-719-069-54 s	DI UDZSUSTE-175.1B
D002	8-719-069-61 s	DI UDZSUSTE-1710B
D003	8-719-069-61 s	DI UDZSUSTE-1710B
D004	8-719-069-28 s	DI 1SS400FJTE61
D005	8-719-069-28 s	DI 1SS400FJTE61
D006	8-719-069-28 s	DI 1SS400FJTE61
D009	8-719-069-61 s	DI UDZSUSTE-1710B
D010	8-719-989-04 s	DIODE DAN222-TL
D011	6-501-358-01 s	DIODE CL-197HG5-CD-T
D012	8-719-069-61 s	DI UDZSUSTE-1710B
D098	8-719-989-01 s	DIODE DA221-TL
D099	8-719-989-01 s	DIODE DA221-TL
D100	8-719-989-01 s	DIODE DA221-TL
D101	8-719-989-04 s	DIODE DAN222-TL
D102	8-719-069-61 s	DI UDZSUSTE-1710B
D103	8-719-069-28 s	DI 1SS400FJTE61
D104	8-719-989-04 s	DIODE DAN222-TL
D105	8-719-069-28 s	DI 1SS400FJTE61
D151	8-719-069-28 s	DI 1SS400FJTE61
D152	8-719-989-04 s	DIODE DAN222-TL
D153	8-719-989-04 s	DIODE DAN222-TL
D154	8-719-069-54 s	DI UDZSUSTE-175.1B
D155	8-719-083-66 s	DI UDZSUSTE-1718B
D156	8-719-069-28 s	DI 1SS400FJTE61
D157	6-500-697-01 s	DI UDZSUSTE-173.3B
D159	8-719-989-04 s	DIODE DAN222-TL
D201	8-719-069-28 s	DI 1SS400FJTE61
D202	8-719-069-28 s	DI 1SS400FJTE61

PS-861 BOARD

Ref. No. or Q'ty	Part No.	SP Description
D203	8-719-069-28 s	DI 1SS400FJTE61
D204	8-719-069-28 s	DI 1SS400FJTE61
D205	8-719-989-01 s	DIODE DA221-TL
D206	8-719-989-01 s	DIODE DA221-TL
D207	8-719-989-01 s	DIODE DA221-TL
D301	8-719-069-28 s	DI 1SS400FJTE61
D451	6-501-123-01 s	DIODE RB160M-60TR
ET001	1-780-627-11 s	TERMINAL, LUG
ET002	1-780-627-11 s	TERMINAL, LUG
ET003	1-780-627-11 s	TERMINAL, LUG
ET004	1-780-627-11 s	TERMINAL, LUG
ET005	1-780-627-11 s	TERMINAL, LUG
F251	⚠ 1-576-751-11 s	FUSE (32V11CF) 5A (5A/32V)
FB101	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB102	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB103	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB104	1-400-833-21 s	SMD EMI FERRITE
FB105	1-400-833-21 s	SMD EMI FERRITE
FB106	1-400-833-21 s	SMD EMI FERRITE
FB107	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB108	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB109	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB201	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB202	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB203	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB204	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB205	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB206	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB207	1-400-833-21 s	SMD EMI FERRITE
FB208	1-400-833-21 s	SMD EMI FERRITE
FB209	1-400-833-21 s	SMD EMI FERRITE
FB251	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB252	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB253	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
FB254	1-469-324-21 s	FERRITE, EMI (SMD) (2012)
IC201	6-713-278-01 s	IC MAX4374HEUB+TG069
IC202	6-713-278-01 s	IC MAX4374HEUB+TG069
IC203	6-712-385-01 s	IC TC74VHC4066AFT(EK)
IC401	6-714-911-01 s	IC TPS54325PWPR
IC402	6-714-911-01 s	IC TPS54325PWPR
IC403	6-714-911-01 s	IC TPS54325PWPR
IC451	6-711-654-01 s	IC TPS5420DRG4
L001	1-469-847-21 s	INDUCTOR 100UH (2012)
L002	⚠ 1-481-902-11 s	INDUCTOR 22UH
L201	1-469-847-21 s	INDUCTOR 100UH (2012)
L401	1-481-035-11 s	INDUCTOR (10UH)
L402	1-481-035-11 s	INDUCTOR (10UH)
L403	1-457-455-11 s	CHOKE COIL 10UH
L404	1-457-455-11 s	CHOKE COIL 10UH
L405	1-457-455-11 s	CHOKE COIL 10UH
L406	1-457-455-11 s	CHOKE COIL 10UH
L407	1-457-455-11 s	CHOKE COIL 10UH
L409	1-481-035-11 s	INDUCTOR (10UH)
L451	1-481-381-21 o	INDUCTOR 100UH
L452	1-481-381-21 o	INDUCTOR 100UH
Q001	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q002	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q003	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q004	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q005	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q006	6-550-843-02 s	TRANSISTOR 2SJ599-Z-E2-AZ
Q007	6-550-843-02 s	TRANSISTOR 2SJ599-Z-E2-AZ

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Ref. No. or Q'ty	Part No.	SP Description
Q008	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q009	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q010	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q012	6-550-842-01 s	TRANSISTOR 2SK3377-Z-E2-AZ
Q013	6-550-842-01 s	TRANSISTOR 2SK3377-Z-E2-AZ
Q015	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q100	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q101	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q102	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q103	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q104	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q105	6-552-545-01 s	TR SI4425DDY-T1-GE3
Q106	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q107	6-552-545-01 s	TR SI4425DDY-T1-GE3
Q108	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q109	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q110	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q111	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q112	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q113	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q114	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q115	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q116	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q117	6-552-545-01 s	TR SI4425DDY-T1-GE3
Q118	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q119	6-552-545-01 s	TR SI4425DDY-T1-GE3
Q120	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q151	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q152	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q153	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q154	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q155	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q156	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q157	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q158	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q159	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q160	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q161	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q162	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q163	6-552-545-01 s	TR SI4425DDY-T1-GE3
Q164	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q165	6-552-545-01 s	TR SI4425DDY-T1-GE3
Q166	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q201	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q202	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q203	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q204	6-552-545-01 s	TR SI4425DDY-T1-GE3
Q205	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q206	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q207	6-552-545-01 s	TR SI4425DDY-T1-GE3
Q208	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q209	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q251	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q252	6-552-545-01 s	TR SI4425DDY-T1-GE3
Q301	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q302	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q303	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q304	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q451	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q452	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q453	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q454	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q455	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
R001	1-208-935-81 s	RES, CHIP 100K (1005)
R002	1-208-935-81 s	RES, CHIP 100K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R003	1-208-919-81 s	RES, CHIP 22K (1005)
R004	1-218-941-81 s	RES, CHIP 100
R005	1-218-965-81 s	RES, CHIP 10K 1005
R006	1-218-965-81 s	RES, CHIP 10K 1005
R007	1-218-953-81 s	RES, CHIP 1.0K
R008	1-208-935-81 s	RES, CHIP 100K (1005)
R009	1-208-935-81 s	RES, CHIP 100K (1005)
R010	1-208-919-81 s	RES, CHIP 22K (1005)
R011	1-208-887-81 s	RES, CHIP 1.0K (1005)
R012	1-208-935-81 s	RES, CHIP 100K (1005)
R013	1-218-969-81 s	RES, CHIP 22K 1005
R014	1-218-969-81 s	RES, CHIP 22K 1005
R015	1-208-935-81 s	RES, CHIP 100K (1005)
R019	1-208-927-81 s	RES, CHIP 47K (1005)
R020	1-218-965-81 s	RES, CHIP 10K 1005
R021	1-208-887-81 s	RES, CHIP 1.0K (1005)
R022	1-208-935-81 s	RES, CHIP 100K (1005)
R023	1-208-951-81 s	RES, CHIP 470K (1005)
R024	1-218-981-81 s	RES, CHIP 220K
R025	1-208-927-81 s	RES, CHIP 47K (1005)
R026	1-208-927-81 s	RES, CHIP 47K (1005)
R027	1-208-911-81 s	RES, CHIP 10K (1005)
R028	1-208-919-81 s	RES, CHIP 22K (1005)
R029	1-208-903-81 s	RES, CHIP 4.7K (1005)
R030	1-208-895-81 s	RES, CHIP 2.2K (1005)
R031	1-208-911-81 s	RES, CHIP 10K (1005)
R034	1-208-887-81 s	RES, CHIP 1.0K (1005)
R035	1-208-927-81 s	RES, CHIP 47K (1005)
R036	1-208-939-81 s	RES, CHIP 150K (1005)
R037	1-208-943-81 s	RES, CHIP 220K (1005)
R038	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R040	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R041	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R043	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R044	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R045	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R046	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R047	1-218-929-81 s	RES, CHIP 10
R049	1-219-610-21 s	RES, CHIP (SQUARE TYPE) 0.022
R050	1-208-927-81 s	RES, CHIP 47K (1005)
R094	1-218-977-81 s	RES, CHIP 100K
R098	1-218-941-81 s	RES, CHIP 100
R099	1-218-941-81 s	RES, CHIP 100
R100	1-218-941-81 s	RES, CHIP 100
R101	1-218-977-81 s	RES, CHIP 100K
R102	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R103	1-218-973-81 s	RES, CHIP 47K
R104	1-208-911-81 s	RES, CHIP 10K (1005)
R106	1-208-911-81 s	RES, CHIP 10K (1005)
R107	1-208-895-81 s	RES, CHIP 2.2K (1005)
R108	1-208-911-81 s	RES, CHIP 10K (1005)
R109	1-208-911-81 s	RES, CHIP 10K (1005)
R110	1-218-965-81 s	RES, CHIP 10K 1005
R111	1-218-977-81 s	RES, CHIP 100K
R112	1-208-919-81 s	RES, CHIP 22K (1005)
R113	1-208-919-81 s	RES, CHIP 22K (1005)
R114	1-218-977-81 s	RES, CHIP 100K
R115	1-208-919-81 s	RES, CHIP 22K (1005)
R116	1-218-965-81 s	RES, CHIP 10K 1005
R117	1-218-965-81 s	RES, CHIP 10K 1005
R118	1-208-951-81 s	RES, CHIP 470K (1005)
R119	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R120	1-218-973-81 s	RES, CHIP 47K
R122	1-208-911-81 s	RES, CHIP 10K (1005)
R123	1-218-965-81 s	RES, CHIP 10K 1005

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Ref. No. or Q'ty	Part No.	SP Description
R125	1-218-965-81 s	RES, CHIP 10K 1005
R126	1-208-911-81 s	RES, CHIP 10K (1005)
R127	1-208-895-81 s	RES, CHIP 2.2K (1005)
R128	1-208-911-81 s	RES, CHIP 10K (1005)
R129	1-208-911-81 s	RES, CHIP 10K (1005)
R130	1-218-965-81 s	RES, CHIP 10K 1005
R152	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R153	1-218-961-81 s	RES, CHIP 4.7K
R154	1-218-961-81 s	RES, CHIP 4.7K
R155	1-218-961-81 s	RES, CHIP 4.7K
R156	1-208-911-81 s	RES, CHIP 10K (1005)
R157	1-218-965-81 s	RES, CHIP 10K 1005
R158	1-208-923-81 s	RES, CHIP 33K (1005)
R159	1-218-965-81 s	RES, CHIP 10K 1005
R160	1-218-965-81 s	RES, CHIP 10K 1005
R161	1-218-965-81 s	RES, CHIP 10K 1005
R162	1-218-953-81 s	RES, CHIP 1.0K
R163	1-218-953-81 s	RES, CHIP 1.0K
R164	1-218-973-81 s	RES, CHIP 47K
R165	1-218-965-81 s	RES, CHIP 10K 1005
R166	1-218-973-81 s	RES, CHIP 47K
R168	1-208-915-81 s	RES, CHIP 15K (1005)
R169	1-208-911-81 s	RES, CHIP 10K (1005)
R170	1-208-895-81 s	RES, CHIP 2.2K (1005)
R171	1-208-911-81 s	RES, CHIP 10K (1005)
R172	1-208-911-81 s	RES, CHIP 10K (1005)
R173	1-218-965-81 s	RES, CHIP 10K 1005
R174	1-208-919-81 s	RES, CHIP 22K (1005)
R175	1-218-965-81 s	RES, CHIP 10K 1005
R176	1-218-977-81 s	RES, CHIP 100K
R177	1-208-911-81 s	RES, CHIP 10K (1005)
R178	1-218-981-81 s	RES, CHIP 220K
R201	1-208-935-81 s	RES, CHIP 100K (1005)
R202	1-208-943-81 s	RES, CHIP 220K (1005)
R203	1-208-951-81 s	RES, CHIP 470K (1005)
R204	1-208-935-81 s	RES, CHIP 100K (1005)
R205	1-208-911-81 s	RES, CHIP 10K (1005)
R206	1-208-911-81 s	RES, CHIP 10K (1005)
R207	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R209	1-219-684-21 s	RES, CHIP (SQUARE TYPE) 0.01
R210	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R211	1-208-925-81 s	RES, CHIP 39K (1005)
R212	1-208-903-81 s	RES, CHIP 4.7K (1005)
R213	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R214	1-208-951-81 s	RES, CHIP 470K (1005)
R215	1-208-911-81 s	RES, CHIP 10K (1005)
R216	1-208-911-81 s	RES, CHIP 10K (1005)
R217	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R219	1-219-684-21 s	RES, CHIP (SQUARE TYPE) 0.01
R220	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R221	1-208-925-81 s	RES, CHIP 39K (1005)
R222	1-208-903-81 s	RES, CHIP 4.7K (1005)
R223	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R224	1-208-935-81 s	RES, CHIP 100K (1005)
R225	1-218-941-81 s	RES, CHIP 100
R226	1-218-941-81 s	RES, CHIP 100
R227	1-218-941-81 s	RES, CHIP 100
R231	1-208-935-81 s	RES, CHIP 100K (1005)
R232	1-208-935-81 s	RES, CHIP 100K (1005)
R251	1-218-969-81 s	RES, CHIP 22K
R252	1-208-911-81 s	RES, CHIP 10K (1005)
R253	1-218-957-81 s	RES, CHIP 2.2K
R254	1-208-911-81 s	RES, CHIP 10K (1005)
R255	1-208-911-81 s	RES, CHIP 10K (1005)
R301	1-218-969-81 s	RES, CHIP 22K

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Ref. No. or Q'ty	Part No.	SP Description
R302	1-208-911-81 s	RES, CHIP 10K (1005)
R303	1-218-957-81 s	RES, CHIP 2.2K
R304	1-208-911-81 s	RES, CHIP 10K (1005)
R401	1-208-911-81 s	RES, CHIP 10K (1005)
R402	1-208-915-81 s	RES, CHIP 15K (1005)
R403	1-208-927-81 s	RES, CHIP 47K (1005)
R404	1-208-911-81 s	RES, CHIP 10K (1005)
R405	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R406	1-208-911-81 s	RES, CHIP 10K (1005)
R407	1-208-907-81 s	RES, CHIP 6.8K (1005)
R408	1-208-923-81 s	RES, CHIP 33K (1005)
R409	1-208-911-81 s	RES, CHIP 10K (1005)
R410	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R411	1-208-911-81 s	RES, CHIP 10K (1005)
R412	1-208-883-81 s	RES, CHIP 680 (1005)
R413	1-208-919-81 s	RES, CHIP 22K (1005)
R414	1-208-911-81 s	RES, CHIP 10K (1005)
R415	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R451	1-208-895-81 s	RES, CHIP 2.2K (1005)
R452	1-208-923-81 s	RES, CHIP 33K (1005)
R453	1-208-911-81 s	RES, CHIP 10K (1005)
R454	1-208-935-81 s	RES, CHIP 100K (1005)
R455	1-208-935-81 s	RES, CHIP 100K (1005)
R456	1-208-911-81 s	RES, CHIP 10K (1005)
R457	1-208-935-81 s	RES, CHIP 100K (1005)
R458	1-208-935-81 s	RES, CHIP 100K (1005)
R459	1-218-941-81 s	RES, CHIP 100
VDR101	1-801-925-21 s	VARISTOR, CHIP (1608)
VDR102	1-801-925-21 s	VARISTOR, CHIP (1608)

SW-1585 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1903-378-A s	MOUNTED CIRCUIT BOARD, SW-1585
C001	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C002	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C003	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C005	1-164-939-81 s	CAP, CHIPCERAMIC 2200PF B 1005
C006	1-164-939-81 s	CAP, CHIPCERAMIC 2200PF B 1005
C007	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C008	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C009	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C010	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C011	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C014	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C015	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C016	1-112-298-91 s	CAP, CERAMIC 1MF B (1608)
C017	1-112-298-91 s	CAP, CERAMIC 1MF B (1608)
C018	1-112-298-91 s	CAP, CERAMIC 1MF B (1608)
C019	1-112-298-91 s	CAP, CERAMIC 1MF B (1608)
D005	8-719-989-01 s	DIODE DA221-TL
D006	8-719-989-01 s	DIODE DA221-TL
D007	8-719-989-01 s	DIODE DA221-TL
D008	8-719-989-01 s	DIODE DA221-TL
FB001	1-400-832-21 s	SMD EMI FERRITE
FB003	1-400-832-21 s	SMD EMI FERRITE
R001	1-208-887-81 s	RES, CHIP 1.0K (1005)
R003	1-208-887-81 s	RES, CHIP 1.0K (1005)
R004	1-208-863-81 s	RES, CHIP 100 (1005)
R005	1-208-887-81 s	RES, CHIP 1.0K (1005)

SW-1585 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R006	1-208-899-81 s	RES, CHIP 3.3K (1005)
R007	1-208-863-81 s	RES, CHIP 100 (1005)
R008	1-208-863-81 s	RES, CHIP 100 (1005)
R009	1-208-887-81 s	RES, CHIP 1.0K (1005)
R010	1-208-887-81 s	RES, CHIP 1.0K (1005)
R011	1-208-871-81 s	RES, CHIP 220 (1005)
R012	1-208-855-81 s	RES, CHIP 47 (1005)
R015	1-208-887-81 s	RES, CHIP 1.0K (1005)
R020	1-208-887-81 s	RES, CHIP 1.0K (1005)
R021	1-220-882-81 s	RES, CHIP 33 (1005)
R022	1-220-882-81 s	RES, CHIP 33 (1005)
R023	1-208-879-81 s	RES, CHIP 470 (1005)
R024	1-220-870-81 s	RES, CHIP 10 (1005)
RV001	1-237-979-31 s	RES, VAR, CARBON 10K
RV002	1-237-979-31 s	RES, VAR, CARBON 10K
S002	1-771-348-11 s	SWITCH, TACTILE
S003	1-771-348-11 s	SWITCH, TACTILE
S004	1-771-316-21 s	SWITCH, TOGGLE
S005	1-570-608-11 s	SWITCH, TOGGLE
S006	1-771-348-11 s	SWITCH, TACTILE

SW-1586 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1903-379-A s	MOUNTED CIRCUIT BOARD, SW-1586
C001	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C002	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C003	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
CN001	1-770-621-21 s	PIN, CONNECTOR 4P
D001	6-501-358-01 s	DIODE CL-197HG5-CD-T
R001	1-220-870-81 s	RES, CHIP 10 (1005)
R002	1-218-953-81 s	RES, CHIP 1.0K
R003	1-218-953-81 s	RES, CHIP 1.0K
S001	1-762-122-21 s	SWITCH, TOGGLE

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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1903-493-A s	MOUNTED CIRCUIT BOARD, SY-423
1pc	△ 1-458-621-11 s	MODULE, OPTICAL (SFP)
1pc	4-669-854-01 s	CAGE, TOP
C100	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C101	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C102	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C103	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C104	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C105	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C106	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C107	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C108	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C109	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C110	1-112-066-11 s	CAP, CERAMIC 10MF X7R 3216
C111	1-112-066-11 s	CAP, CERAMIC 10MF X7R 3216
C112	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C113	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005

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Ref. No. or Q'ty	Part No.	SP Description
C115	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C116	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C117	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C118	1-112-066-11 s	CAP, CERAMIC 10MF X7R 3216
C119	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C120	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C121	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C122	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C123	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C124	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C137	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C138	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C141	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C142	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C143	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C144	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C145	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C146	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C148	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C149	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C150	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C151	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C152	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C153	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C154	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C155	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C156	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C157	1-100-881-91 s	CAP, CERAMIC 47MF C (3216)
C162	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C165	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C166	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C167	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C168	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C200	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C201	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C202	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C203	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C204	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C205	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C206	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C207	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C208	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C209	1-127-956-21 s	CAP, CHIP FILM 0.1MF (3225)
C210	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C211	1-127-950-21 s	CAP, CHIP FILM 0.01MF (2012)
C212	1-127-956-21 s	CAP, CHIP FILM 0.1MF (3225)
C214	1-127-950-21 s	CAP, CHIP FILM 0.01MF (2012)
C215	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C216	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C217	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C218	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C219	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C221	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C222	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C225	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C226	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C227	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C228	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C229	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C230	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C231	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C232	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C233	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C234	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C235	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C236	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C237	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C238	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C239	1-127-956-21 s	CAP, CHIP FILM 0.1MF (3225)
C240	1-112-300-91 s	CAP, CERAMIC 4.7MF B (2012)
C241	1-114-549-11 s	CAP, NIOBIUM ELECT 47UF
C242	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C243	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C300	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C301	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C302	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C303	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C304	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C305	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C306	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C307	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C308	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C309	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C310	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C311	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C312	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C313	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C314	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C315	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C316	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C317	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C318	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C319	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C320	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C321	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C322	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C323	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C324	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C325	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C326	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C327	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C328	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C329	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C330	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C331	1-119-923-81 s	CAP, CERAMIC 0.047MF B 1005
C332	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C333	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C334	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C335	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C336	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C337	1-112-324-91 s	CAP, CERAMIC 0.47MF C (1005)
C338	1-112-324-91 s	CAP, CERAMIC 0.47MF C (1005)
C339	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C340	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C341	1-112-298-91 s	CAP, CERAMIC 1MF B (1608)
C342	1-112-298-91 s	CAP, CERAMIC 1MF B (1608)
C344	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C346	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C400	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C401	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C402	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C403	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C404	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C405	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C406	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C407	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C408	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C409	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C410	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C411	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C412	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C413	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C414	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C415	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C416	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C417	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C418	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C419	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C503	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C504	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C505	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C506	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C507	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C508	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C509	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C510	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C511	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C512	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C600	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C601	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C602	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C603	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C604	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C605	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C606	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C607	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C608	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C609	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C610	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C611	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C613	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C614	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C615	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C616	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C617	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C618	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C619	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C622	1-164-862-81 s	CAP, CHIP CERAMIC 33PF CH 1005
C623	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C624	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C625	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C626	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C700	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C701	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C702	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C703	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C704	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C705	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C706	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C800	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C801	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C802	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C803	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C804	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C805	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF (1005)
C806	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF (1005)
C807	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C808	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C809	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C810	1-165-884-91 s	CAP, CERAMIC 2.2MF (1608)
C811	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C813	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C814	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C815	1-100-505-91 s	CAP, CERAMIC 0.1MF C (1005)
C818	1-117-142-21 s	CAP, ELECT 0.22MF

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Ref. No. or Q'ty	Part No.	SP Description
C819	1-117-142-21 s	CAP, ELECT 0.22MF
C820	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C821	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C822	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C823	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C825	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C826	1-164-876-81 s	CAP,CHIP CERAMIC 120PF CH 1005
C829	1-164-935-81 s	CAP, CHIP CERAMIC 470PF B 1005
C830	1-164-882-81 s	CAP,CHIP CERAMIC 220PF CH 1005
C832	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C833	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C834	1-115-459-21 s	CAP, ELECT 47MF
C835	1-164-882-81 s	CAP,CHIP CERAMIC 220PF CH 1005
C836	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF(1005)
C837	1-164-876-81 s	CAP,CHIP CERAMIC 120PF CH 1005
C838	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF(1005)
C839	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C840	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C841	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C842	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C843	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C845	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C846	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C847	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C848	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C849	1-100-055-21 s	CAP, CHIP CERAMIC 22MF B 3225
C850	1-126-396-21 s	CAP, CHIP ELECT 47MF (6.3X5.7)
C851	1-112-015-91 s	CAP, CHIP CERAMIC 47MF B 3225
C852	1-164-935-81 s	CAP, CHIP CERAMIC 470PF B 1005
C853	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C854	1-165-989-91 s	CAP, CERAMIC 10MF (2012)
C855	1-112-796-11 s	CAP, ELECT 47MF
C856	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C858	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C859	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C860	1-127-956-21 s	CAP, CHIP FILM 0.1MF (3225)
C900	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C901	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C902	1-125-777-81 s	CAP, CHIP CERAMIC 0.1MF B 1005
C903	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C904	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C905	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C906	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C907	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C908	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C909	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C910	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C911	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C913	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C914	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C915	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C916	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C917	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C918	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C919	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C920	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C921	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C922	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C923	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C924	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C925	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C926	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C927	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C928	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C929	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C930	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C931	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C932	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C933	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C934	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C935	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C936	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C937	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C938	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C939	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C940	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C941	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C942	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C943	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C944	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C945	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C946	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C947	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C948	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C949	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C950	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C951	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C952	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C953	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C954	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C955	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C956	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C957	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C958	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C959	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C960	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
CN101	1-793-027-21 s	CONNECTOR 14P
CN300	1-817-176-11 s	CONNECTOR, SFP FIBER CHANNEL
CN301	1-843-071-11 s	CONNECTOR, COAXIAL(RECEPTACLE)
CN303	1-764-243-31 o	CONNECTOR (COAXIAL)
CN400	1-818-714-21 s	HEADER ASSEMBLY 20P
CN600	1-784-650-21 s	CONNECTOR 2P
CN601	1-785-946-21 s	CONNECTOR 3P
CN800	1-779-806-21 s	CONNECTOR 8P
CN901	1-784-254-21 s	CONNECTOR 10P
D100	6-502-197-01 s	DI SML-D12M8WT86SM
D101	8-719-083-60 s	DI UDZSUSTE-174.7B
D102	8-719-083-60 s	DI UDZSUSTE-174.7B
D103	8-719-083-85 s	DI UDZSUSTE-1722B
D104	8-719-069-28 s	DI 1SS400FJTE61
D204	6-502-197-01 s	DI SML-D12M8WT86SM
D205	8-719-069-28 s	DI 1SS400FJTE61
D206	8-719-069-28 s	DI 1SS400FJTE61
D300	6-502-598-01 s	DI SML-D12U8WT86
D301	6-502-598-01 s	DI SML-D12U8WT86
D302	6-502-598-01 s	DI SML-D12U8WT86
D401	8-719-069-28 s	DI 1SS400FJTE61
D402	8-719-069-28 s	DI 1SS400FJTE61
D403	8-719-069-28 s	DI 1SS400FJTE61
D404	8-719-069-28 s	DI 1SS400FJTE61
D405	8-719-069-28 s	DI 1SS400FJTE61
D406	8-719-069-28 s	DI 1SS400FJTE61
D407	8-719-069-28 s	DI 1SS400FJTE61
D408	6-502-114-01 s	DI CL-375HR/HG5-D-TS
D409	6-502-114-01 s	DI CL-375HR/HG5-D-TS
D410	6-502-114-01 s	DI CL-375HR/HG5-D-TS
D411	6-502-114-01 s	DI CL-375HR/HG5-D-TS
D700	8-719-077-09 s	DIODE CL-196HR-CD-T
D701	8-719-077-09 s	DIODE CL-196HR-CD-T

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D702	8-719-077-09 s	DIODE CL-196HR-CD-T
D703	8-719-077-09 s	DIODE CL-196HR-CD-T
D801	8-719-069-28 s	DI 1SS400FJTE61
D900	8-719-077-09 s	DIODE CL-196HR-CD-T
E100	1-535-877-22 s	CHIP, CHECKER
E101	1-535-877-22 s	CHIP, CHECKER
E102	1-535-877-22 s	CHIP, CHECKER
E103	1-535-877-22 s	CHIP, CHECKER
FB100	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB101	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB102	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB103	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB104	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB105	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB106	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB107	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB108	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB109	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB111	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB112	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB116	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB117	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB200	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB201	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB202	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB203	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB300	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB301	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB302	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB303	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	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB500	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB501	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB600	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB800	1-400-832-21 s	SMD EMI FERRITE
FB801	1-400-832-21 s	SMD EMI FERRITE
FB802	1-400-832-21 s	SMD EMI FERRITE
FB803	1-400-832-21 s	SMD EMI FERRITE
FB901	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB902	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB903	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB904	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FL600	1-233-345-21 s	FILTER, LOW PASS (5.5MHZ)
IC100	6-713-169-01 s	IC LTC3412AEFE#TR
IC101	6-712-135-01 o	IC R1173H001D-T1-FE
IC102	6-712-135-01 o	IC R1173H001D-T1-FE
IC103	6-712-135-01 o	IC R1173H001D-T1-FE
IC104	6-712-135-01 o	IC R1173H001D-T1-FE
IC105	8-759-327-01 s	IC NJM062V(Te2)
IC106	6-704-976-01 s	IC ADR381ARTZ-REEL7
IC107	6-706-487-01 s	IC TC7SH08FU
IC200	6-706-478-01 s	IC TC7SET08FU
IC201	6-706-478-01 s	IC TC7SET08FU
IC202	6-706-478-01 s	IC TC7SET08FU
IC203	6-706-478-01 s	IC TC7SET08FU
IC204	8-759-669-66 s	IC TLC272CPWR-12
IC205	8-759-669-66 s	IC TLC272CPWR-12
IC206	6-706-487-01 s	IC TC7SH08FU
IC207	6-718-427-01 s	IC MC74HC4046ADTR2G
IC207	8-759-485-24 s	IC MC74HC4046ADTR2
IC208	6-701-877-01 s	IC SM8707EV-G-E2

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IC209	6-718-427-01 s	IC MC74HC4046ADTR2G
IC209	8-759-485-24 s	IC MC74HC4046ADTR2
IC210	8-759-680-48 s	IC TC7WH157FK
IC211	8-759-675-47 s	IC SN74LVC04APWR
IC212	6-706-482-01 s	IC TC7SH00FU
IC213	6-706-482-01 s	IC TC7SH00FU
IC214	6-706-482-01 s	IC TC7SH00FU
IC304	6-706-484-01 s	IC TC7SH04FU
IC305	6-706-484-01 s	IC TC7SH04FU
IC306	6-706-484-01 s	IC TC7SH04FU
IC400	6-710-969-02 s	IC TE7790PF
IC401	8-759-337-40 s	IC NJM2904V(Te2)
IC402	8-759-337-40 s	IC NJM2904V(Te2)
IC403	8-759-337-40 s	IC NJM2904V(Te2)
IC502	6-706-949-01 s	IC IDT71V416S12PHG-TL
IC503	6-714-365-01 s	IC MX29LV640EBTI-70G
IC600	6-706-471-01 s	IC THS5661AIPWR
IC601	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC800	6-711-237-01 s	IC NJM2878F3-33 (Te2)
IC801	6-700-563-01 s	IC AK4552VT-E2
IC802	6-712-382-01 s	IC TC74VHC4053AFT(EK)
IC803	6-706-906-01 s	IC NJM2732RB1(Te2)
IC804	6-706-906-01 s	IC NJM2732RB1(Te2)
IC805	6-706-906-01 s	IC NJM2732RB1(Te2)
IC806	8-759-356-17 s	IC NJM4556AM-A-Te2
IC807	8-759-675-54 s	IC TC7W53FK(Te85R)
IC900	6-702-879-01 s	IC R3112N281A-TR-FE
IC902	6-706-487-01 s	IC TC7SH08FU
IC903	6-706-487-01 s	IC TC7SH08FU
IC904	8-759-831-52 s	IC TC7WH125FK
IC905	8-759-831-52 s	IC TC7WH125FK
IC906	8-759-831-52 s	IC TC7WH125FK
IC907	8-759-831-52 s	IC TC7WH125FK
IC908	8-759-831-52 s	IC TC7WH125FK
IC909	6-715-036-01 s	IC TC7SZ04FU,RSonyJ
IC910	6-706-487-01 s	IC TC7SH08FU
IC911	6-716-953-01 s	IC W25Q64CVSSIG
L100	1-457-372-21 s	COIL, CHOKE 1UH
L201	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L202	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L203	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L204	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L205	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L206	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L207	1-414-398-41 s	INDUCTOR (SMD) 10.0UH
L300	1-400-788-21 s	INDUCTOR, CHIP 1.0UH (2518)
L301	1-400-788-21 s	INDUCTOR, CHIP 1.0UH (2518)
L304	1-414-836-21 s	INDUCTOR, CHIP 4.7NH (1005)
L305	1-414-836-21 s	INDUCTOR, CHIP 4.7NH (1005)
L306	1-414-838-21 s	INDUCTOR, CHIP 6.8NH (1005)
L400	1-481-097-11 s	INDUCTOR (WIREWOUND) 4.7UH
L600	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L601	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L602	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
L603	1-400-791-21 s	INDUCTOR, CHIP 10UH (2518)
Q100	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q101	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q102	8-729-102-84 s	TRANSISTOR 2SB624-T1BV5
Q103	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q104	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q105	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q106	8-729-928-37 s	TRANSISTOR DTA114EE-TL
Q200	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q201	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR

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Q202	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q203	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q400	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q401	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q403	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q800	8-729-928-91 s	TRANSISTOR DTC114EE-TL
Q801	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q802	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q803	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q804	8-729-928-91 s	TRANSISTOR DTC114EE-TL
Q806	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q808	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q809	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q810	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q811	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q812	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q813	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q814	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q815	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q900	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
R101	1-208-899-81 s	RES, CHIP 3.3K (1005)
R102	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R103	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R104	1-220-804-81 s	RES, CHIP 2.2M
R107	1-208-911-81 s	RES, CHIP 10K (1005)
R108	1-208-943-81 s	RES, CHIP 220K (1005)
R109	1-208-935-81 s	RES, CHIP 100K (1005)
R110	1-208-923-81 s	RES, CHIP 33K (1005)
R111	1-208-863-81 s	RES, CHIP 100 (1005)
R112	1-208-915-81 s	RES, CHIP 15K (1005)
R113	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R114	1-208-923-81 s	RES, CHIP 33K (1005)
R115	1-208-863-81 s	RES, CHIP 100 (1005)
R116	1-208-915-81 s	RES, CHIP 15K (1005)
R117	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R118	1-208-927-81 s	RES, CHIP 47K (1005)
R119	1-208-895-81 s	RES, CHIP 2.2K (1005)
R120	1-208-891-81 s	RES, CHIP 1.5K (1005)
R121	1-208-903-81 s	RES, CHIP 4.7K (1005)
R123	1-208-927-81 s	RES, CHIP 47K (1005)
R124	1-208-927-81 s	RES, CHIP 47K (1005)
R125	1-208-895-81 s	RES, CHIP 2.2K (1005)
R126	1-208-911-81 s	RES, CHIP 10K (1005)
R127	1-208-871-81 s	RES, CHIP 220 (1005)
R128	1-208-871-81 s	RES, CHIP 220 (1005)
R129	1-208-919-81 s	RES, CHIP 22K (1005)
R130	1-208-919-81 s	RES, CHIP 22K (1005)
R131	1-208-927-81 s	RES, CHIP 47K (1005)
R132	1-208-927-81 s	RES, CHIP 47K (1005)
R133	1-208-863-81 s	RES, CHIP 100 (1005)
R134	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R135	1-208-923-81 s	RES, CHIP 33K (1005)
R136	1-208-923-81 s	RES, CHIP 33K (1005)
R137	1-208-927-81 s	RES, CHIP 47K (1005)
R138	1-208-931-81 s	RES, CHIP 68K (1005)
R139	1-208-931-81 s	RES, CHIP 68K (1005)
R140	1-208-887-81 s	RES, CHIP 1.0K (1005)
R141	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R142	1-208-911-81 s	RES, CHIP 10K (1005)
R143	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R144	1-208-911-81 s	RES, CHIP 10K (1005)
R145	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R146	1-208-911-81 s	RES, CHIP 10K (1005)
R147	1-208-911-81 s	RES, CHIP 10K (1005)

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R148	1-208-855-81 s	RES, CHIP 47 (1005)
R149	1-208-943-81 s	RES, CHIP 220K (1005)
R150	1-208-943-81 s	RES, CHIP 220K (1005)
R151	1-208-923-81 s	RES, CHIP 33K (1005)
R152	1-208-923-81 s	RES, CHIP 33K (1005)
R200	1-220-878-81 s	RES, CHIP 22 (1005)
R201	1-208-855-81 s	RES, CHIP 47 (1005)
R202	1-208-855-81 s	RES, CHIP 47 (1005)
R203	1-208-855-81 s	RES, CHIP 47 (1005)
R204	1-208-855-81 s	RES, CHIP 47 (1005)
R205	1-208-895-81 s	RES, CHIP 2.2K (1005)
R206	1-208-895-81 s	RES, CHIP 2.2K (1005)
R207	1-218-933-81 s	RES, CHIP 22
R208	1-208-895-81 s	RES, CHIP 2.2K (1005)
R209	1-208-895-81 s	RES, CHIP 2.2K (1005)
R210	1-208-895-81 s	RES, CHIP 2.2K (1005)
R211	1-208-927-81 s	RES, CHIP 47K (1005)
R212	1-208-927-81 s	RES, CHIP 47K (1005)
R213	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R214	1-208-887-81 s	RES, CHIP 1.0K (1005)
R215	1-208-895-81 s	RES, CHIP 2.2K (1005)
R217	1-208-863-81 s	RES, CHIP 100 (1005)
R218	1-208-911-81 s	RES, CHIP 10K (1005)
R220	1-208-911-81 s	RES, CHIP 10K (1005)
R221	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R222	1-208-927-81 s	RES, CHIP 47K (1005)
R223	1-208-927-81 s	RES, CHIP 47K (1005)
R224	1-208-911-81 s	RES, CHIP 10K (1005)
R225	1-208-911-81 s	RES, CHIP 10K (1005)
R226	1-208-887-81 s	RES, CHIP 1.0K (1005)
R227	1-208-911-81 s	RES, CHIP 10K (1005)
R228	1-208-903-81 s	RES, CHIP 4.7K (1005)
R230	1-208-911-81 s	RES, CHIP 10K (1005)
R231	1-208-911-81 s	RES, CHIP 10K (1005)
R233	1-208-911-81 s	RES, CHIP 10K (1005)
R234	1-208-855-81 s	RES, CHIP 47 (1005)
R235	1-220-878-81 s	RES, CHIP 22 (1005)
R236	1-220-878-81 s	RES, CHIP 22 (1005)
R238	1-208-855-81 s	RES, CHIP 47 (1005)
R245	1-208-887-81 s	RES, CHIP 1.0K (1005)
R247	1-220-870-81 s	RES, CHIP 10 (1005)
R249	1-220-878-81 s	RES, CHIP 22 (1005)
R250	1-220-878-81 s	RES, CHIP 22 (1005)
R251	1-220-878-81 s	RES, CHIP 22 (1005)
R254	1-208-871-81 s	RES, CHIP 220 (1005)
R255	1-208-911-81 s	RES, CHIP 10K (1005)
R300	1-208-911-81 s	RES, CHIP 10K (1005)
R301	1-208-911-81 s	RES, CHIP 10K (1005)
R303	1-208-911-81 s	RES, CHIP 10K (1005)
R304	1-208-911-81 s	RES, CHIP 10K (1005)
R307	1-208-911-81 s	RES, CHIP 10K (1005)
R308	1-208-911-81 s	RES, CHIP 10K (1005)
R311	1-208-895-81 s	RES, CHIP 2.2K (1005)
R312	1-208-919-81 s	RES, CHIP 22K (1005)
R313	1-208-903-81 s	RES, CHIP 4.7K (1005)
R314	1-208-903-81 s	RES, CHIP 4.7K (1005)
R315	1-208-903-81 s	RES, CHIP 4.7K (1005)
R316	1-208-863-81 s	RES, CHIP 100 (1005)
R317	1-208-863-81 s	RES, CHIP 100 (1005)
R318	1-208-863-81 s	RES, CHIP 100 (1005)
R319	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R320	1-208-887-81 s	RES, CHIP 1.0K (1005)
R321	1-208-856-81 s	RES, CHIP 51 (1005)
R322	1-208-856-81 s	RES, CHIP 51 (1005)
R323	1-208-863-81 s	RES, CHIP 100 (1005)

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R324	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R325	1-208-855-81 s	RES, CHIP 47 (1005)
R326	1-208-863-81 s	RES, CHIP 100 (1005)
R327	1-208-911-81 s	RES, CHIP 10K (1005)
R328	1-208-911-81 s	RES, CHIP 10K (1005)
R329	1-208-860-81 s	RES, CHIP 75 (1005)
R332	1-208-860-81 s	RES, CHIP 75 (1005)
R333	1-208-860-81 s	RES, CHIP 75 (1005)
R334	1-208-860-81 s	RES, CHIP 75 (1005)
R335	1-208-863-81 s	RES, CHIP 100 (1005)
R337	1-208-863-81 s	RES, CHIP 100 (1005)
R338	1-220-880-81 s	RES, CHIP 27 (1005)
R339	1-220-870-81 s	RES, CHIP 10 (1005)
R340	1-208-860-81 s	RES, CHIP 75 (1005)
R343	1-208-860-81 s	RES, CHIP 75 (1005)
R344	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R346	1-208-863-81 s	RES, CHIP 100 (1005)
R348	1-208-935-81 s	RES, CHIP 100K (1005)
R349	1-208-935-81 s	RES, CHIP 100K (1005)
R350	1-208-935-81 s	RES, CHIP 100K (1005)
R351	1-208-935-81 s	RES, CHIP 100K (1005)
R352	1-208-935-81 s	RES, CHIP 100K (1005)
R356	1-208-887-81 s	RES, CHIP 1.0K (1005)
R400	1-208-911-81 s	RES, CHIP 10K (1005)
R401	1-208-903-81 s	RES, CHIP 4.7K (1005)
R402	1-220-870-81 s	RES, CHIP 10 (1005)
R403	1-220-870-81 s	RES, CHIP 10 (1005)
R404	1-220-870-81 s	RES, CHIP 10 (1005)
R405	1-220-870-81 s	RES, CHIP 10 (1005)
R407	1-220-870-81 s	RES, CHIP 10 (1005)
R408	1-220-870-81 s	RES, CHIP 10 (1005)
R409	1-220-870-81 s	RES, CHIP 10 (1005)
R410	1-208-891-81 s	RES, CHIP 1.5K (1005)
R411	1-208-891-81 s	RES, CHIP 1.5K (1005)
R412	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R413	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R414	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R415	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R416	1-208-855-81 s	RES, CHIP 47 (1005)
R417	1-220-870-81 s	RES, CHIP 10 (1005)
R418	1-220-870-81 s	RES, CHIP 10 (1005)
R421	1-208-863-81 s	RES, CHIP 100 (1005)
R423	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R424	1-220-878-81 s	RES, CHIP 22 (1005)
R425	1-208-871-81 s	RES, CHIP 220 (1005)
R426	1-208-887-81 s	RES, CHIP 1.0K (1005)
R427	1-208-871-81 s	RES, CHIP 220 (1005)
R428	1-208-887-81 s	RES, CHIP 1.0K (1005)
R429	1-208-871-81 s	RES, CHIP 220 (1005)
R430	1-208-887-81 s	RES, CHIP 1.0K (1005)
R431	1-208-855-81 s	RES, CHIP 47 (1005)
R438	1-220-870-81 s	RES, CHIP 10 (1005)
R439	1-208-887-81 s	RES, CHIP 1.0K (1005)
R440	1-208-871-81 s	RES, CHIP 220 (1005)
R441	1-208-887-81 s	RES, CHIP 1.0K (1005)
R442	1-208-871-81 s	RES, CHIP 220 (1005)
R443	1-208-887-81 s	RES, CHIP 1.0K (1005)
R444	1-208-871-81 s	RES, CHIP 220 (1005)
R445	1-208-927-81 s	RES, CHIP 47K (1005)
R446	1-208-875-81 s	RES, CHIP 330 (1005)
R447	1-208-883-81 s	RES, CHIP 680 (1005)
R448	1-208-883-81 s	RES, CHIP 680 (1005)
R449	1-208-871-81 s	RES, CHIP 220 (1005)
R450	1-208-883-81 s	RES, CHIP 680 (1005)
R451	1-208-883-81 s	RES, CHIP 680 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R452	1-208-871-81 s	RES, CHIP 220 (1005)
R453	1-208-871-81 s	RES, CHIP 220 (1005)
R454	1-208-887-81 s	RES, CHIP 1.0K (1005)
R455	1-208-871-81 s	RES, CHIP 220 (1005)
R456	1-208-875-81 s	RES, CHIP 330 (1005)
R457	1-208-875-81 s	RES, CHIP 330 (1005)
R458	1-208-875-81 s	RES, CHIP 330 (1005)
R459	1-208-887-81 s	RES, CHIP 1.0K (1005)
R460	1-208-887-81 s	RES, CHIP 1.0K (1005)
R461	1-208-887-81 s	RES, CHIP 1.0K (1005)
R462	1-208-887-81 s	RES, CHIP 1.0K (1005)
R463	1-208-943-81 s	RES, CHIP 220K (1005)
R464	1-208-943-81 s	RES, CHIP 220K (1005)
R465	1-208-863-81 s	RES, CHIP 100 (1005)
R501	1-208-863-81 s	RES, CHIP 100 (1005)
R502	1-208-863-81 s	RES, CHIP 100 (1005)
R503	1-208-863-81 s	RES, CHIP 100 (1005)
R504	1-208-863-81 s	RES, CHIP 100 (1005)
R505	1-208-863-81 s	RES, CHIP 100 (1005)
R506	1-208-863-81 s	RES, CHIP 100 (1005)
R508	1-208-903-81 s	RES, CHIP 4.7K (1005)
R509	1-208-927-81 s	RES, CHIP 47K (1005)
R510	1-208-863-81 s	RES, CHIP 100 (1005)
R511	1-208-855-81 s	RES, CHIP 47 (1005)
R512	1-208-855-81 s	RES, CHIP 47 (1005)
R513	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R514	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R515	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R516	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R605	1-208-863-81 s	RES, CHIP 100 (1005)
R606	1-208-863-81 s	RES, CHIP 100 (1005)
R609	1-208-863-81 s	RES, CHIP 100 (1005)
R611	1-208-863-81 s	RES, CHIP 100 (1005)
R613	1-208-903-81 s	RES, CHIP 4.7K (1005)
R614	1-208-863-81 s	RES, CHIP 100 (1005)
R615	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R616	1-208-855-81 s	RES, CHIP 47 (1005)
R617	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R618	1-208-915-81 s	RES, CHIP 15K (1005)
R619	1-208-899-81 s	RES, CHIP 3.3K (1005)
R620	1-208-903-81 s	RES, CHIP 4.7K (1005)
R621	1-208-875-81 s	RES, CHIP 330 (1005)
R622	1-208-887-81 s	RES, CHIP 1.0K (1005)
R624	1-208-887-81 s	RES, CHIP 1.0K (1005)
R625	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R626	1-208-863-81 s	RES, CHIP 100 (1005)
R627	1-208-871-81 s	RES, CHIP 220 (1005)
R628	1-208-907-81 s	RES, CHIP 6.8K (1005)
R629	1-208-875-81 s	RES, CHIP 330 (1005)
R630	1-208-871-81 s	RES, CHIP 220 (1005)
R631	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R632	1-208-895-81 s	RES, CHIP 2.2K (1005)
R633	1-220-870-81 s	RES, CHIP 10 (1005)
R634	1-208-863-81 s	RES, CHIP 100 (1005)
R635	1-208-867-81 s	RES, CHIP 150 (1005)
R636	1-208-867-81 s	RES, CHIP 150 (1005)
R637	1-208-855-81 s	RES, CHIP 47 (1005)
R638	1-208-855-81 s	RES, CHIP 47 (1005)
R639	1-208-863-81 s	RES, CHIP 100 (1005)
R640	1-208-855-81 s	RES, CHIP 47 (1005)
R641	1-208-855-81 s	RES, CHIP 47 (1005)
R642	1-208-863-81 s	RES, CHIP 100 (1005)
R700	1-208-895-81 s	RES, CHIP 2.2K (1005)
R701	1-208-895-81 s	RES, CHIP 2.2K (1005)
R702	1-208-895-81 s	RES, CHIP 2.2K (1005)

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R703	1-208-895-81 s	RES, CHIP 2.2K (1005)
R704	1-208-863-81 s	RES, CHIP 100 (1005)
R708	1-208-855-81 s	RES, CHIP 47 (1005)
R709	1-220-878-81 s	RES, CHIP 22 (1005)
R710	1-208-855-81 s	RES, CHIP 47 (1005)
R713	1-208-863-81 s	RES, CHIP 100 (1005)
R719	1-208-855-81 s	RES, CHIP 47 (1005)
R720	1-208-855-81 s	RES, CHIP 47 (1005)
R734	1-208-871-81 s	RES, CHIP 220 (1005)
R735	1-208-871-81 s	RES, CHIP 220 (1005)
R736	1-208-863-81 s	RES, CHIP 100 (1005)
R800	1-208-911-81 s	RES, CHIP 10K (1005)
R801	1-208-919-81 s	RES, CHIP 22K (1005)
R802	1-208-863-81 s	RES, CHIP 100 (1005)
R803	1-208-863-81 s	RES, CHIP 100 (1005)
R804	1-208-855-81 s	RES, CHIP 47 (1005)
R805	1-208-943-81 s	RES, CHIP 220K (1005)
R806	1-208-943-81 s	RES, CHIP 220K (1005)
R807	1-208-911-81 s	RES, CHIP 10K (1005)
R808	1-208-911-81 s	RES, CHIP 10K (1005)
R809	1-208-891-81 s	RES, CHIP 1.5K (1005)
R810	1-208-887-81 s	RES, CHIP 1.0K (1005)
R811	1-208-911-81 s	RES, CHIP 10K (1005)
R812	1-208-879-81 s	RES, CHIP 470 (1005)
R813	1-208-903-81 s	RES, CHIP 4.7K (1005)
R816	1-220-870-81 s	RES, CHIP 10 (1005)
R817	1-208-911-81 s	RES, CHIP 10K (1005)
R818	1-208-911-81 s	RES, CHIP 10K (1005)
R819	1-208-911-81 s	RES, CHIP 10K (1005)
R820	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R822	1-208-927-81 s	RES, CHIP 47K (1005)
R823	1-208-927-81 s	RES, CHIP 47K (1005)
R825	1-208-943-81 s	RES, CHIP 220K (1005)
R826	1-208-915-81 s	RES, CHIP 15K (1005)
R829	1-208-915-81 s	RES, CHIP 15K (1005)
R830	1-220-870-81 s	RES, CHIP 10 (1005)
R831	1-208-919-81 s	RES, CHIP 22K (1005)
R832	1-208-899-81 s	RES, CHIP 3.3K (1005)
R833	1-208-879-81 s	RES, CHIP 470 (1005)
R834	1-220-870-81 s	RES, CHIP 10 (1005)
R835	1-220-870-81 s	RES, CHIP 10 (1005)
R836	1-220-870-81 s	RES, CHIP 10 (1005)
R837	1-220-878-81 s	RES, CHIP 22 (1005)
R838	1-208-895-81 s	RES, CHIP 2.2K (1005)
R839	1-208-879-81 s	RES, CHIP 470 (1005)
R840	1-208-895-81 s	RES, CHIP 2.2K (1005)
R841	1-208-899-81 s	RES, CHIP 3.3K (1005)
R842	1-208-879-81 s	RES, CHIP 470 (1005)
R843	1-220-870-81 s	RES, CHIP 10 (1005)
R844	1-220-870-81 s	RES, CHIP 10 (1005)
R845	1-208-919-81 s	RES, CHIP 22K (1005)
R846	1-220-870-81 s	RES, CHIP 10 (1005)
R847	1-208-911-81 s	RES, CHIP 10K (1005)
R848	1-208-887-81 s	RES, CHIP 1.0K (1005)
R849	1-208-911-81 s	RES, CHIP 10K (1005)
R850	1-208-911-81 s	RES, CHIP 10K (1005)
R851	1-208-879-81 s	RES, CHIP 470 (1005)
R852	1-208-911-81 s	RES, CHIP 10K (1005)
R853	1-208-923-81 s	RES, CHIP 33K (1005)
R854	1-208-927-81 s	RES, CHIP 47K (1005)
R855	1-208-879-81 s	RES, CHIP 470 (1005)
R856	1-208-887-81 s	RES, CHIP 1.0K (1005)
R857	1-208-943-81 s	RES, CHIP 220K (1005)
R858	1-208-943-81 s	RES, CHIP 220K (1005)
R859	1-208-935-81 s	RES, CHIP 100K (1005)

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R860	1-208-863-81 s	RES, CHIP 100 (1005)
R861	1-208-935-81 s	RES, CHIP 100K (1005)
R863	1-208-911-81 s	RES, CHIP 10K (1005)
R864	1-220-870-81 s	RES, CHIP 10 (1005)
R865	1-208-911-81 s	RES, CHIP 10K (1005)
R866	1-220-253-91 s	RES, SQUARE TYPE CHIP 47(3225)
R867	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R868	1-208-927-81 s	RES, CHIP 47K (1005)
R869	1-208-927-81 s	RES, CHIP 47K (1005)
R870	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R871	1-208-935-81 s	RES, CHIP 100K (1005)
R872	1-208-915-81 s	RES, CHIP 15K (1005)
R873	1-208-911-81 s	RES, CHIP 10K (1005)
R874	1-208-915-81 s	RES, CHIP 15K (1005)
R875	1-208-911-81 s	RES, CHIP 10K (1005)
R876	1-220-253-91 s	RES, SQUARE TYPE CHIP 47(3225)
R877	1-216-829-91 s	RES, CHIP 4.7K (1608)
R878	1-216-829-91 s	RES, CHIP 4.7K (1608)
R879	1-216-833-91 s	RES, CHIP 10K (1608)
R880	1-208-943-81 s	RES, CHIP 220K (1005)
R881	1-208-943-81 s	RES, CHIP 220K (1005)
R884	1-208-911-81 s	RES, CHIP 10K (1005)
R885	1-208-911-81 s	RES, CHIP 10K (1005)
R886	1-208-927-81 s	RES, CHIP 47K (1005)
R887	1-208-943-81 s	RES, CHIP 220K (1005)
R889	1-208-927-81 s	RES, CHIP 47K (1005)
R890	1-208-927-81 s	RES, CHIP 47K (1005)
R891	1-208-927-81 s	RES, CHIP 47K (1005)
R892	1-208-927-81 s	RES, CHIP 47K (1005)
R893	1-208-935-81 s	RES, CHIP 100K (1005)
R894	1-208-935-81 s	RES, CHIP 100K (1005)
R899	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R900	1-208-911-81 s	RES, CHIP 10K (1005)
R906	1-220-870-81 s	RES, CHIP 10 (1005)
R907	1-208-911-81 s	RES, CHIP 10K (1005)
R908	1-208-855-81 s	RES, CHIP 47 (1005)
R909	1-208-855-81 s	RES, CHIP 47 (1005)
R910	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	1-208-911-81 s	RES, CHIP 10K (1005)
R915	1-208-911-81 s	RES, CHIP 10K (1005)
R917	1-208-911-81 s	RES, CHIP 10K (1005)
R918	1-208-911-81 s	RES, CHIP 10K (1005)
R920	1-208-855-81 s	RES, CHIP 47 (1005)
R921	1-208-855-81 s	RES, CHIP 47 (1005)
R922	1-208-911-81 s	RES, CHIP 10K (1005)
R924	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R926	1-208-879-81 s	RES, CHIP 470 (1005)
R931	1-208-855-81 s	RES, CHIP 47 (1005)
R934	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R936	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R937	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R939	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R942	1-208-911-81 s	RES, CHIP 10K (1005)
R943	1-208-911-81 s	RES, CHIP 10K (1005)
R1001	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1002	1-218-990-81 s	CONDUCTOR, CHIP (1005)
RB200	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB201	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB300	1-234-371-21 s	RES, NETWORK 47 (1005X4)
RB301	1-234-372-21 s	RES, NETWORK 100 (1005X4)
RB302	1-234-371-21 s	RES, NETWORK 47 (1005X4)

SY-423 BOARD**Ref. No.****or Q'ty Part No. SP Description**

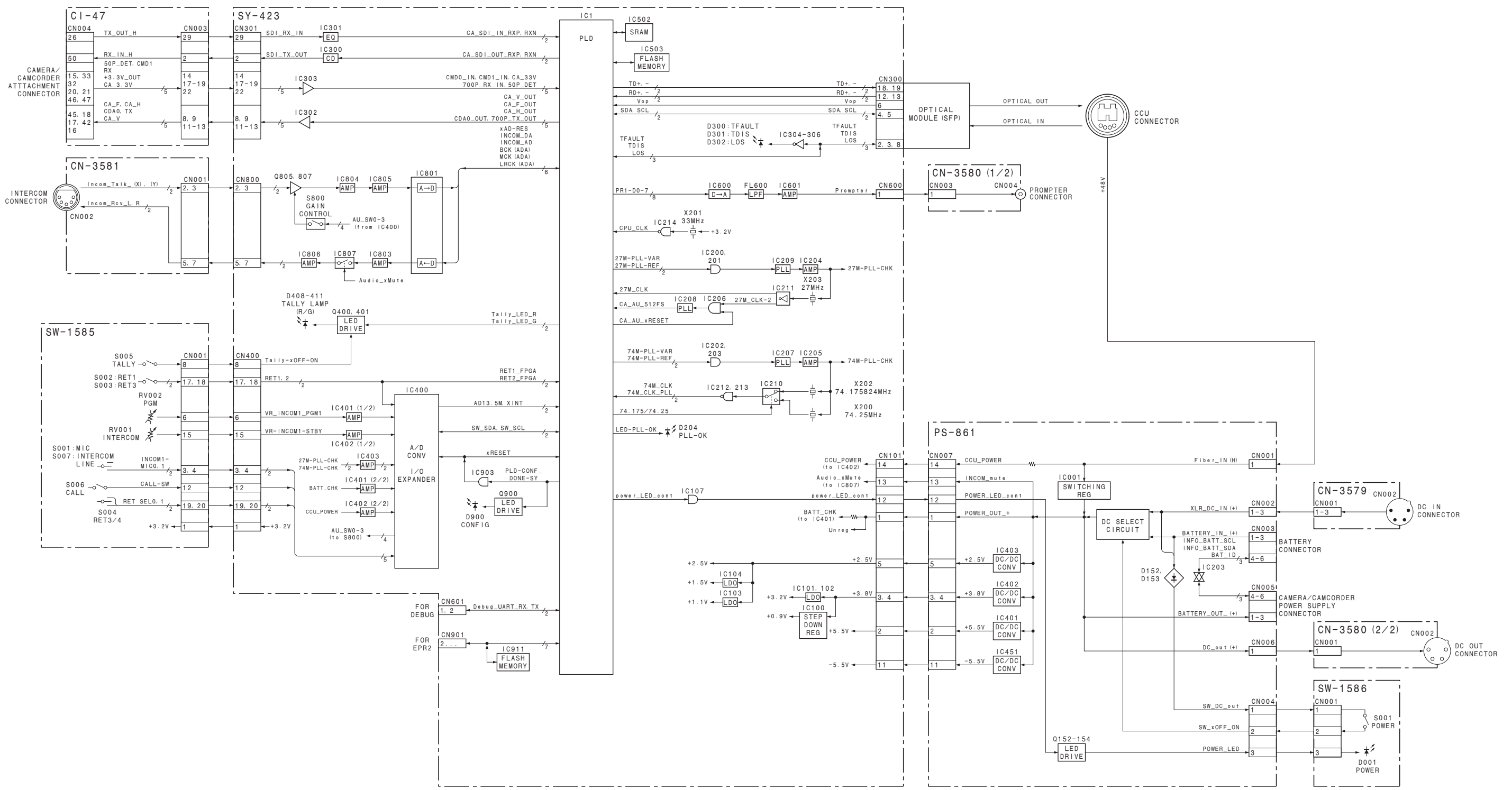
RB303	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB304	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB400	1-234-380-21	s	RES, NETWORK 47K (1005X4)
RB401	1-234-380-21	s	RES, NETWORK 47K (1005X4)
RB402	1-234-380-21	s	RES, NETWORK 47K (1005X4)
RB403	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB404	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB405	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB500	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB501	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB502	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB503	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB504	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB505	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB506	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB507	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB508	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB509	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB510	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB511	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB512	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB513	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB514	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB515	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB516	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB600	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB601	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB602	1-234-373-21	s	RES, NETWORK 220 (1005X4)
RB603	1-234-373-21	s	RES, NETWORK 220 (1005X4)
RB604	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB700	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB701	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB900	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB901	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB902	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB903	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB905	1-234-380-21	s	RES, NETWORK 47K (1005X4)
RB906	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB907	1-234-371-21	s	RES, NETWORK 47 (1005X4)
S600	1-692-271-41	s	SWITCH, SLIDE
S800	1-692-270-41	s	SWITCH, SLIDE
THP100	△ 1-804-616-21	s	THERMISTOR, POSITIVE
THP101	△ 1-804-616-21	s	THERMISTOR, POSITIVE
THP102	△ 1-804-616-21	s	THERMISTOR, POSITIVE
THP103	△ 1-804-616-21	s	THERMISTOR, POSITIVE
THP104	△ 1-804-616-21	s	THERMISTOR, POSITIVE
THP105	△ 1-804-616-21	s	THERMISTOR, POSITIVE
THP106	△ 1-804-616-21	s	THERMISTOR, POSITIVE
TP100	1-780-627-11	s	TERMINAL, LUG
TP101	1-780-627-11	s	TERMINAL, LUG
TP102	1-780-627-11	s	TERMINAL, LUG
TP103	1-780-627-11	s	TERMINAL, LUG
TP104	1-780-627-11	s	TERMINAL, LUG
TP105	1-780-627-11	s	TERMINAL, LUG
TP200	1-535-877-22	s	CHIP, CHECKER
TP600	1-535-877-22	s	CHIP, CHECKER
X200	1-795-670-12	s	OSCILLATOR, CRYSTAL (VCXO) 3.3V
X201	1-813-263-11	s	OSCILLATOR, CRYSTAL
X202	1-795-671-12	s	OSCILLATOR, CRYSTAL (VCXO) 3.3V
X203	1-795-831-12	s	OSCILLATOR, CRYSTAL (VCXO) 3.3V

4-4. Supplied Accessories

Q'ty	Part No.	SP Description
1pc	4-138-677-01 s	BRACKET, BELT
1pc	4-138-758-01 s	CLAMP BELT, CABLE
1pc	4-445-029-01 s	OPERATING INSTRUCTIONS
1pc	4-445-030-01 s	CD-ROM PACK
1pc	4-447-947-04 s	FRAME,CA BRACKET
1pc	4-453-239-01 s	SCREW, COIN
2pcs	7-621-559-30 s	SCREW +K 2.6X5
1pc	7-624-118-04 s	RING, RETAINING E-2.5
2pcs	7-682-548-09 s	SCREW +B 3X8
1pc	A-8274-968-B s	KIT, ACCESSORY-SHOE

Section 5
Block Diagrams

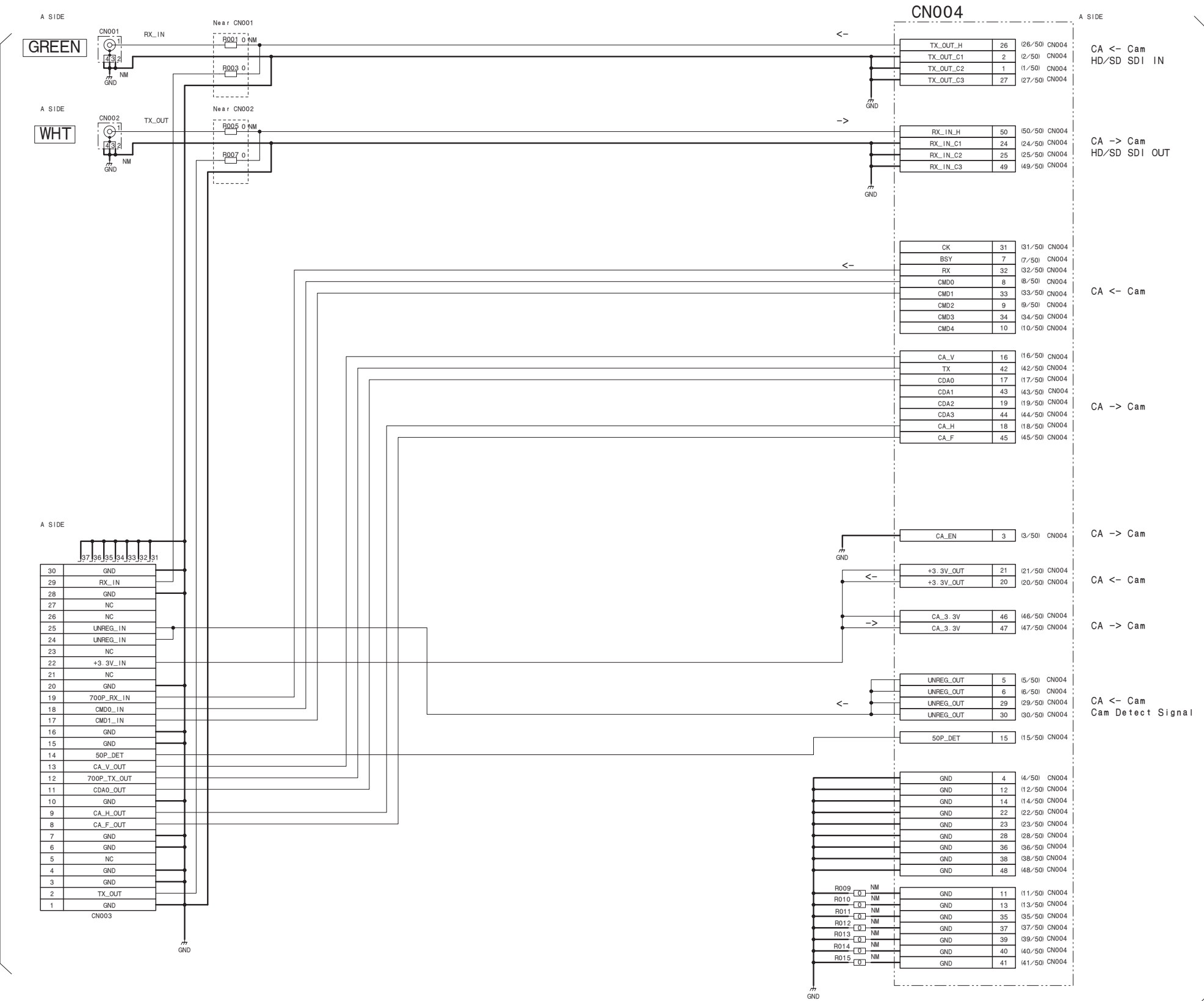
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Section 6
Schematic Diagrams

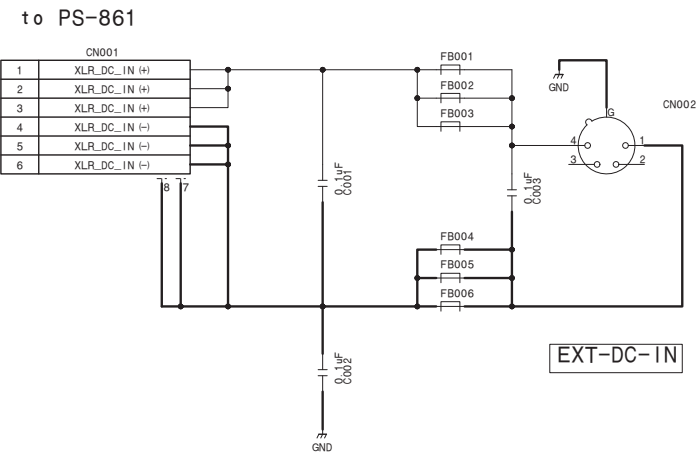
CI-47

To SY-423



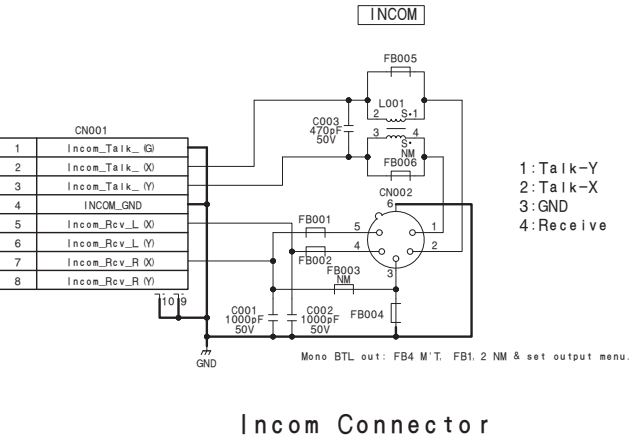
CI-47
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CN-3579



CN-3579
BOARD NO. 1-887-819-11
CN-3579_1

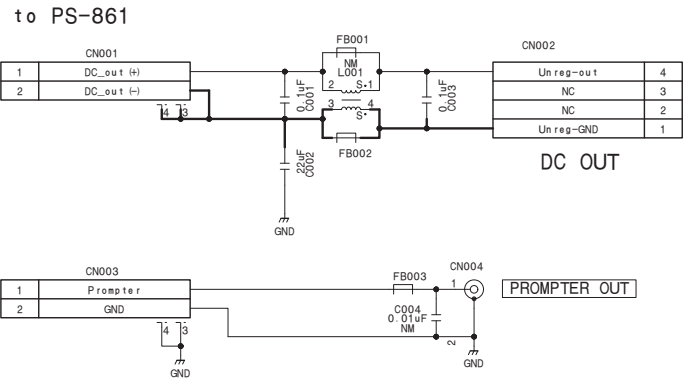
CN-3581



Incom Connector

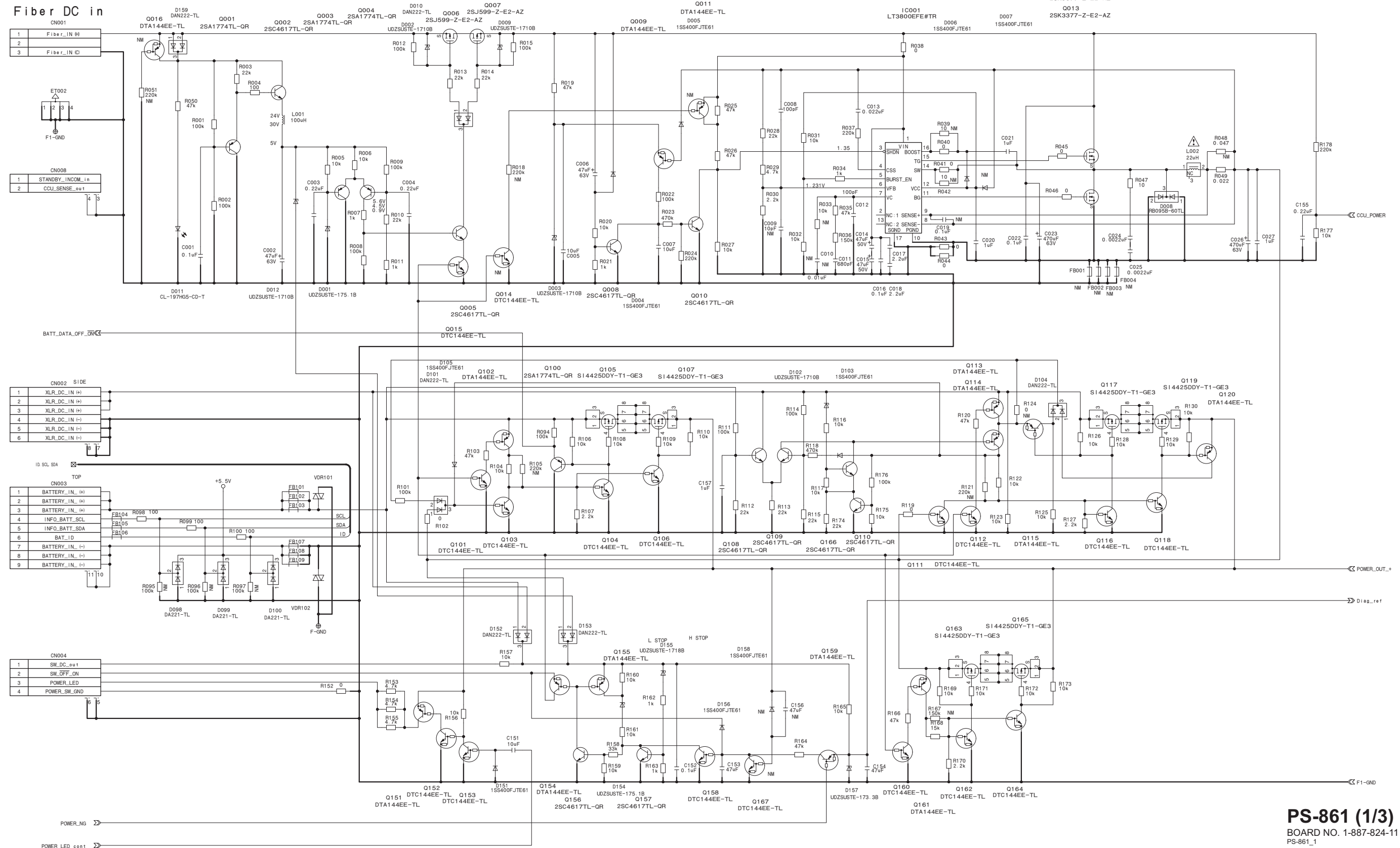
CN-3581
BOARD NO. 1-887-821-11
CN-3581_1

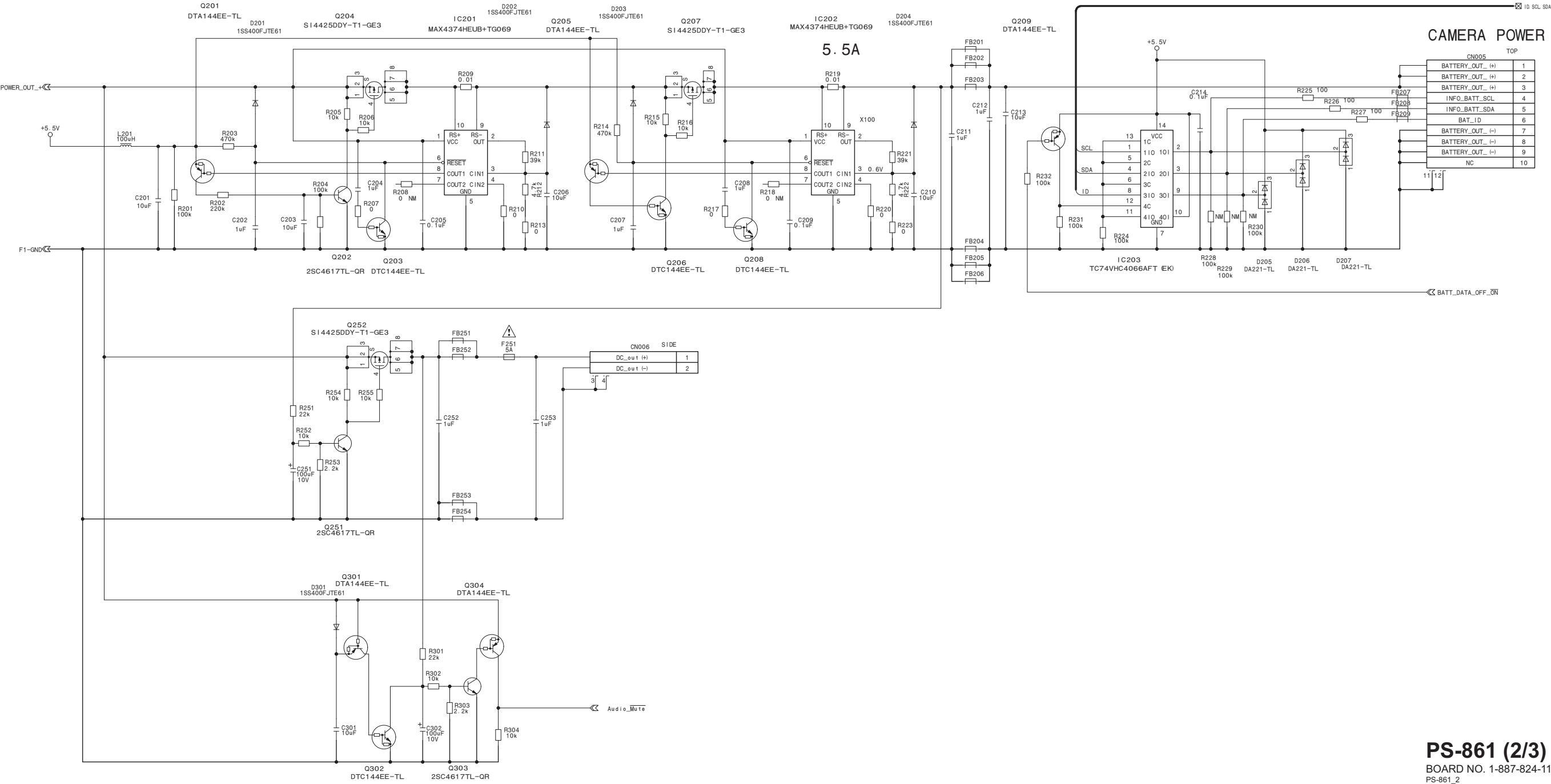
CN-3580

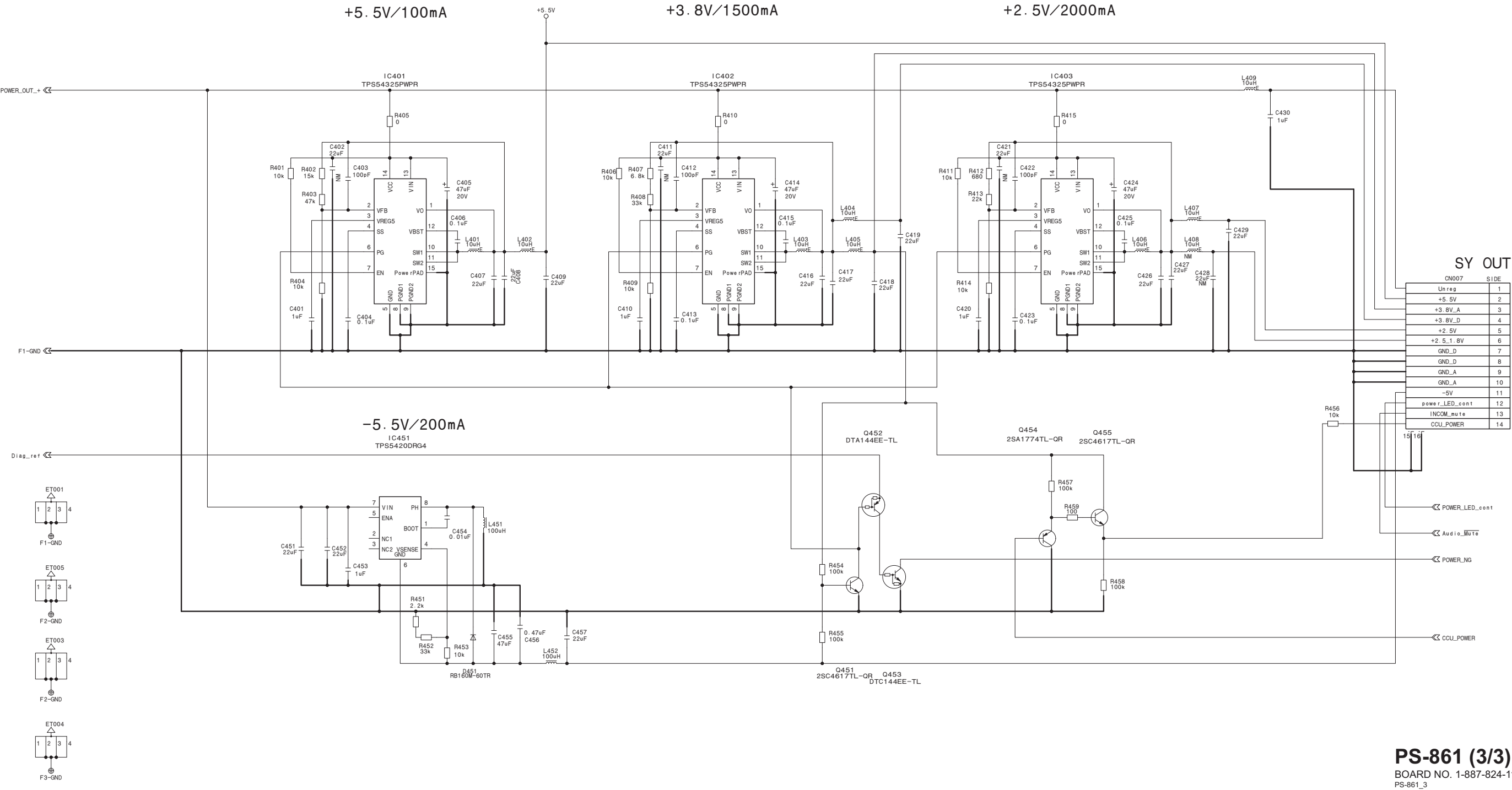


CN-3580
BOARD NO. 1-887-820-11
CN-3580_1

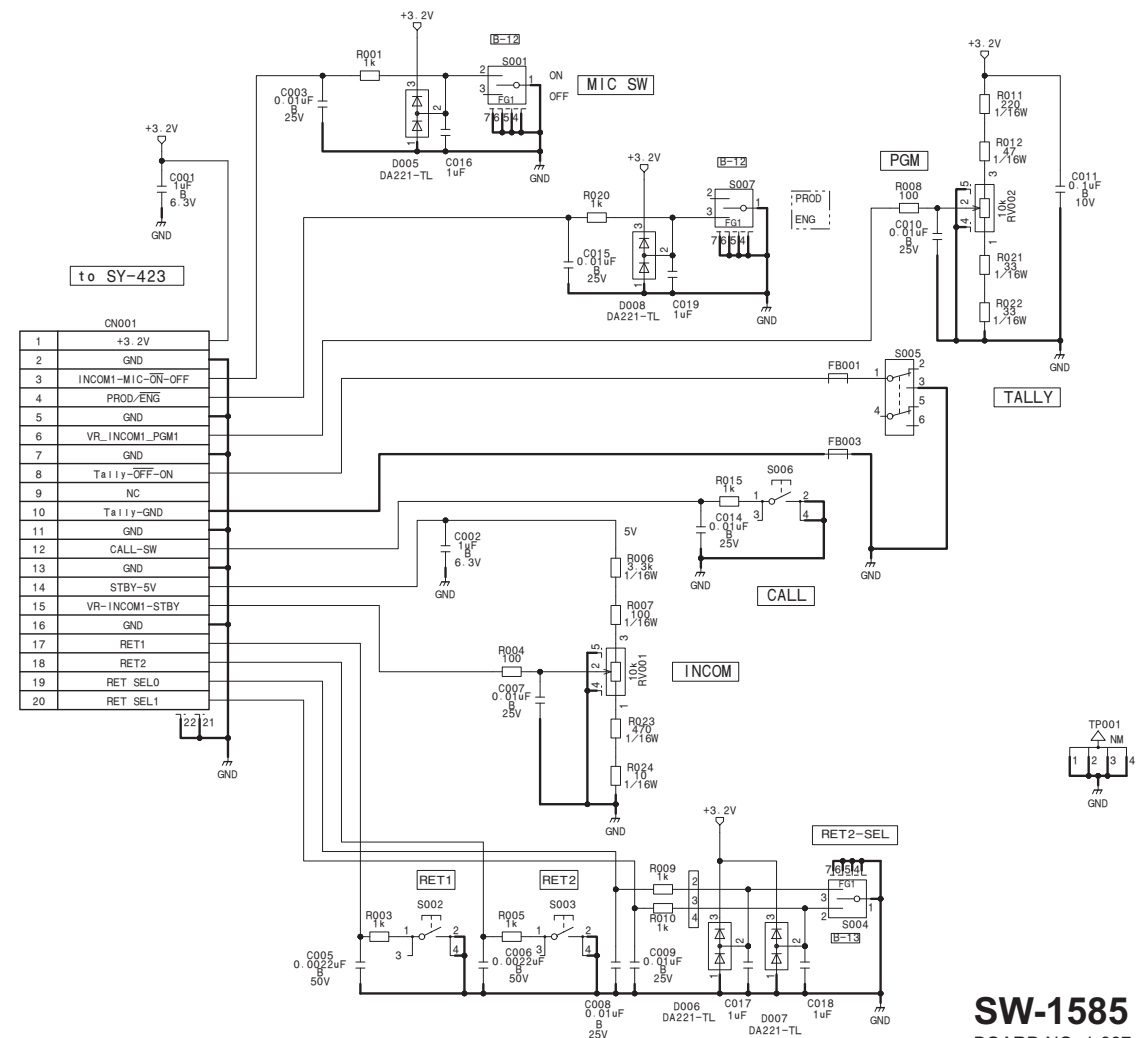
PS-861
PS-861 (1/3)



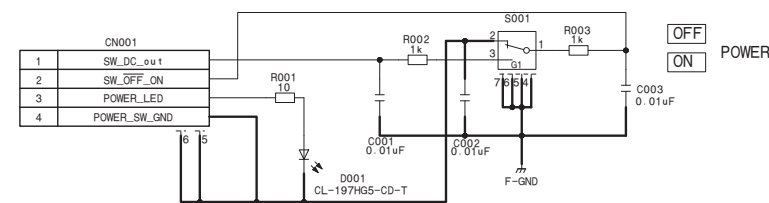




SW-1585

**SW-1585**

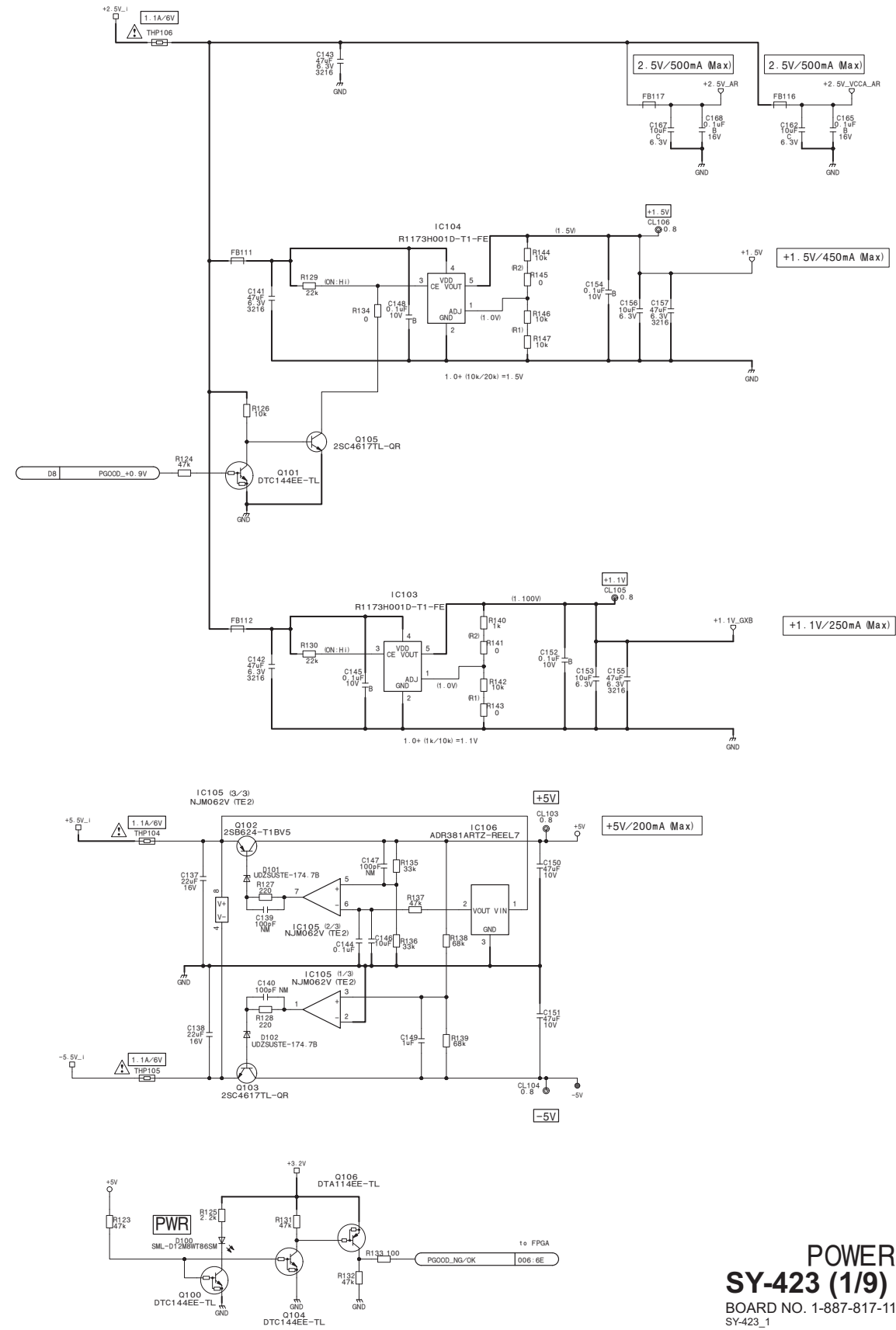
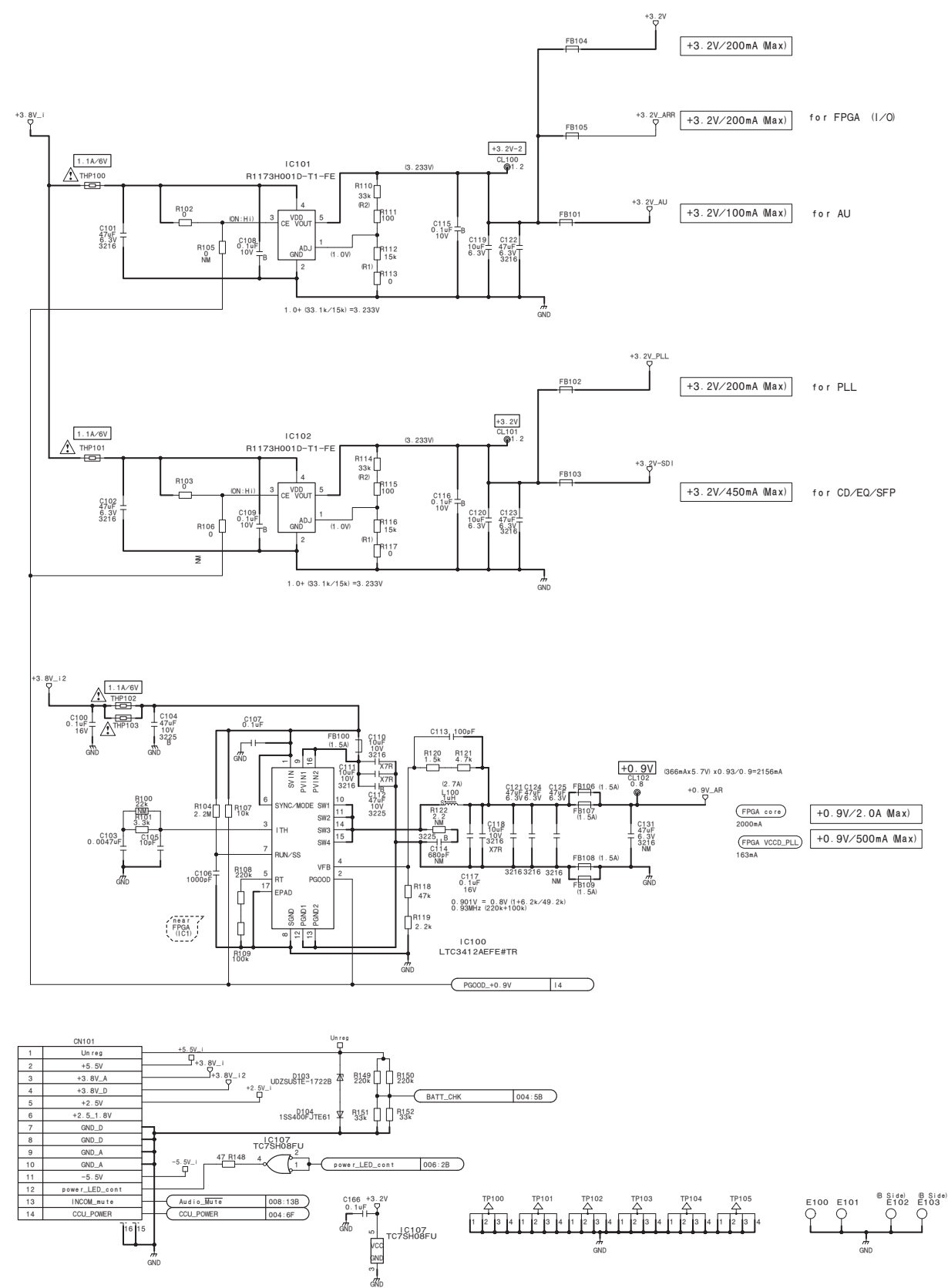
BOARD NO. 1-887-822-11
SW-1585_1

SW-1586

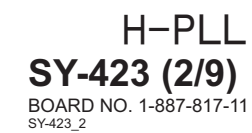
SW-1586

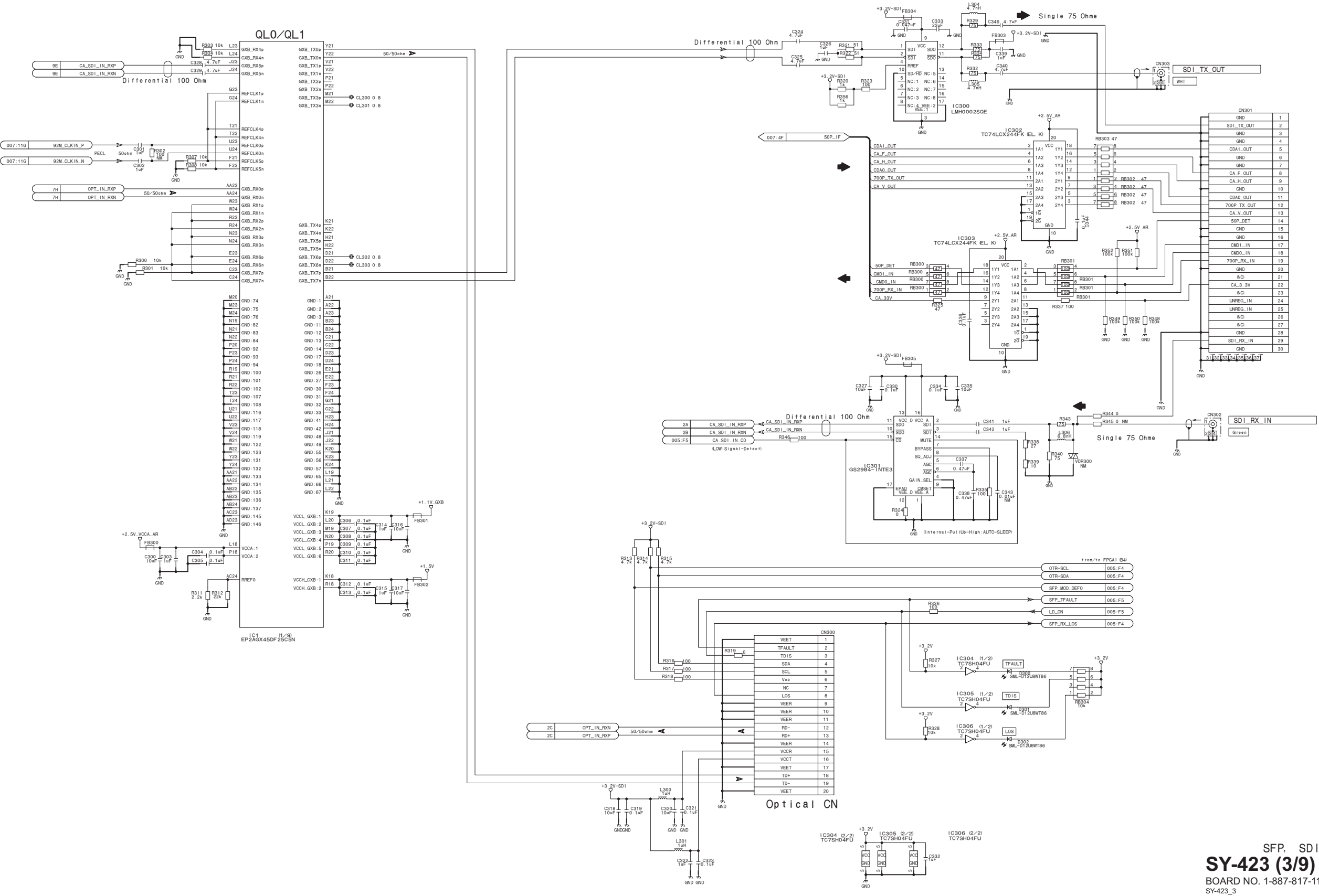
BOARD NO. 1-887-823-11
SW-1586_1

SY-423
SY-423 (1/9)

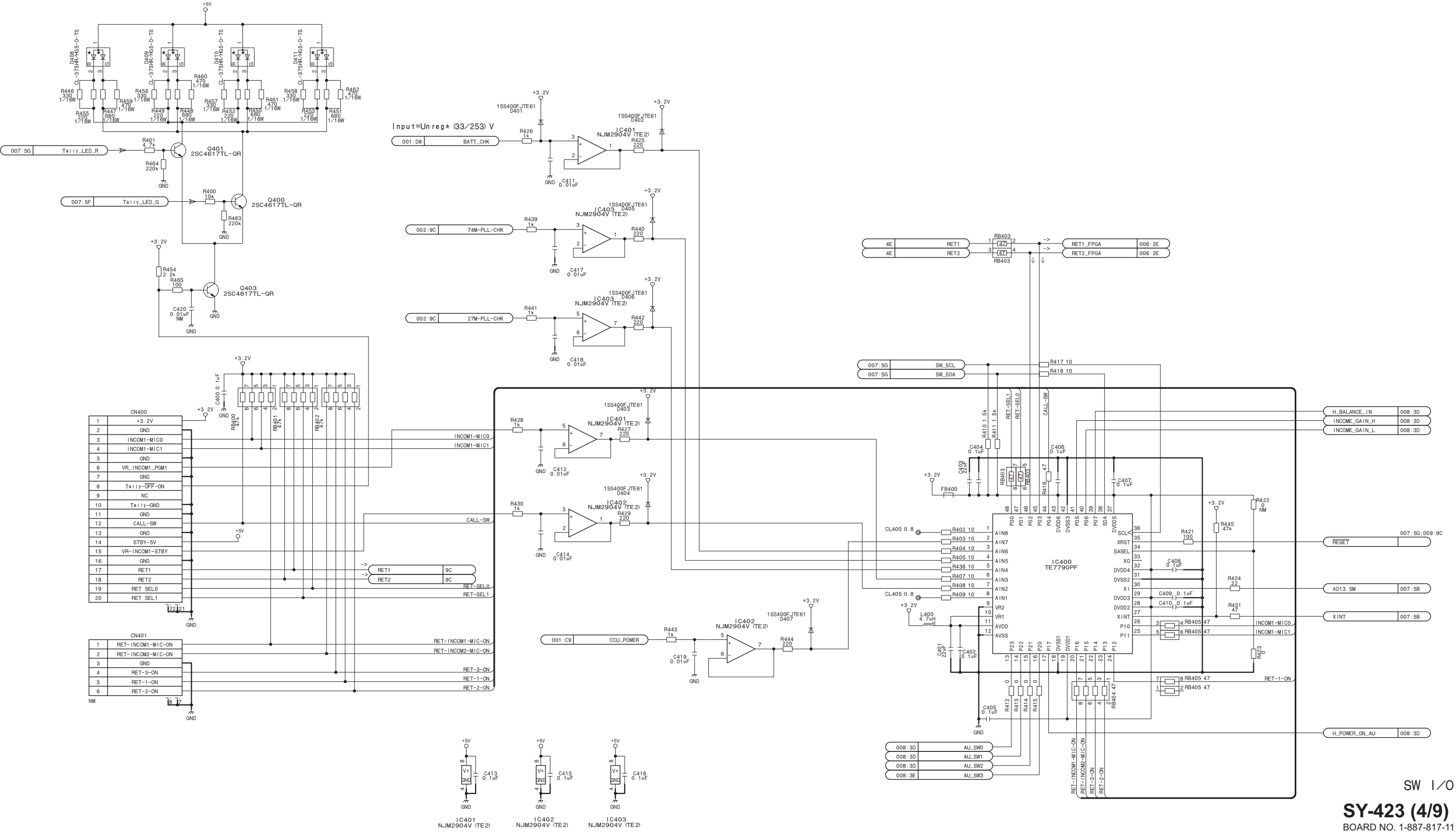


POWER
SY-423 (1/9)
BOARD NO. 1-887-817-11
SY-423_1





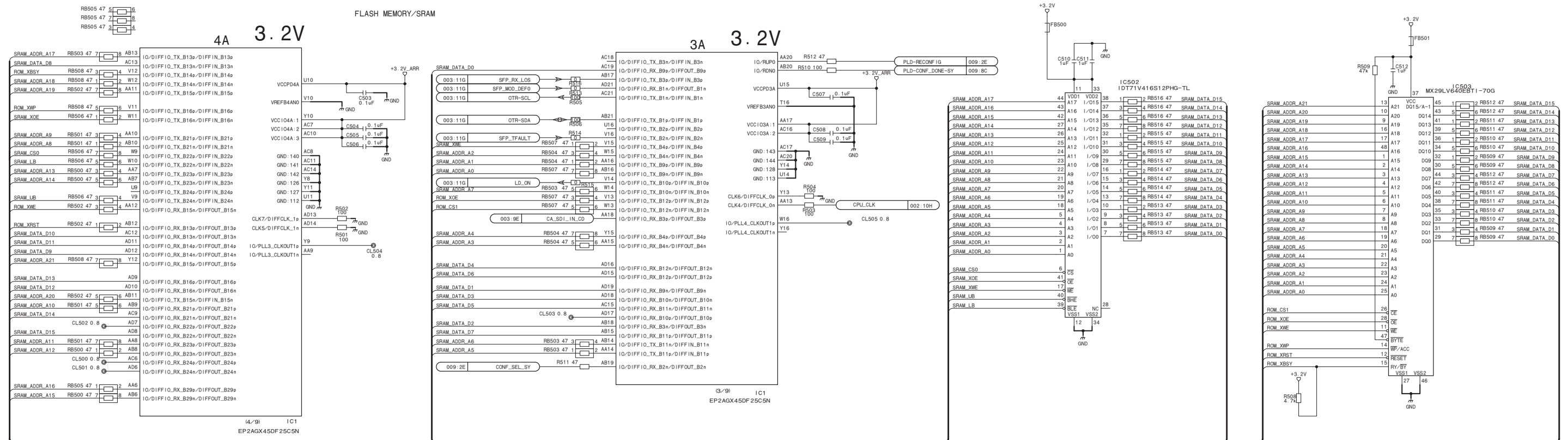
SFP, SDI
SY-423 (3/9)
BOARD NO. 1-887-817-11
SY-423_3



SW I/O

SY-423 (4/9)
BOARD NO. 1-887-817-11
SY-423_4

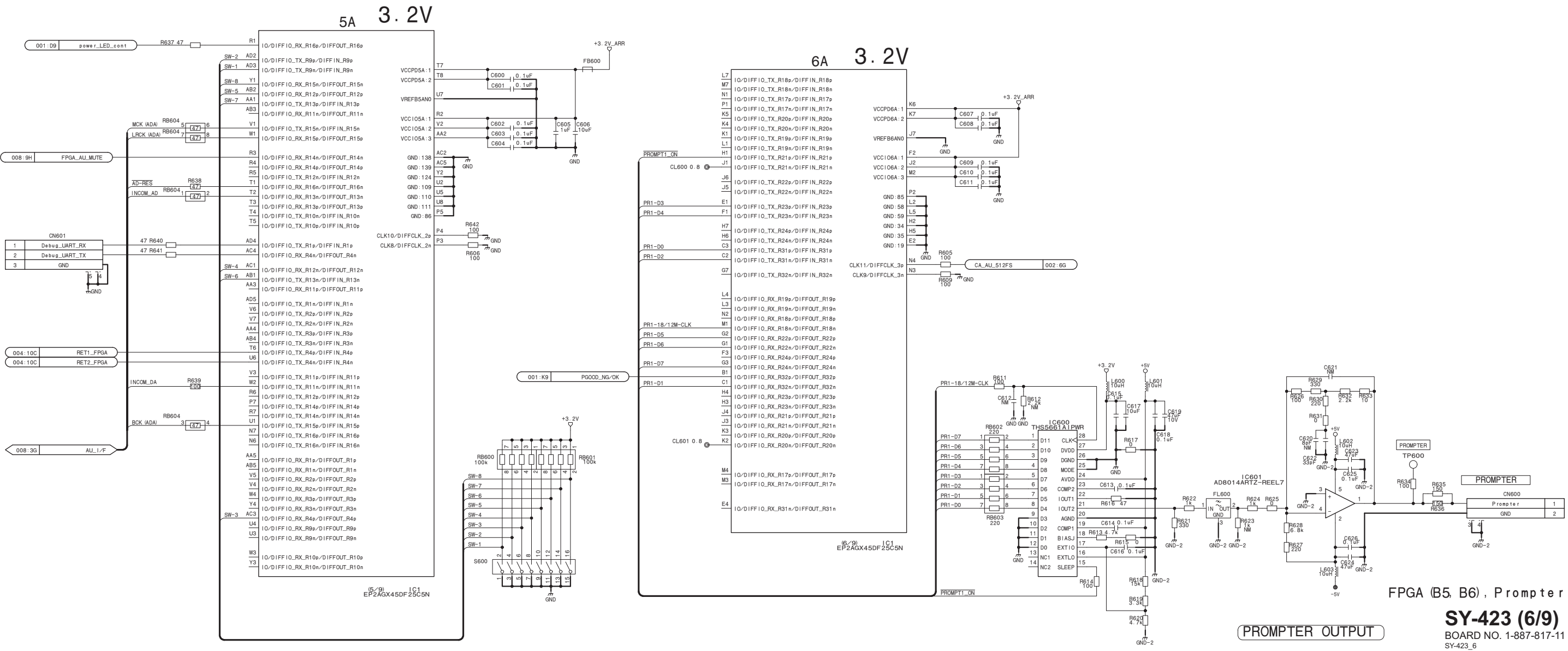
SY-423 (5/9)



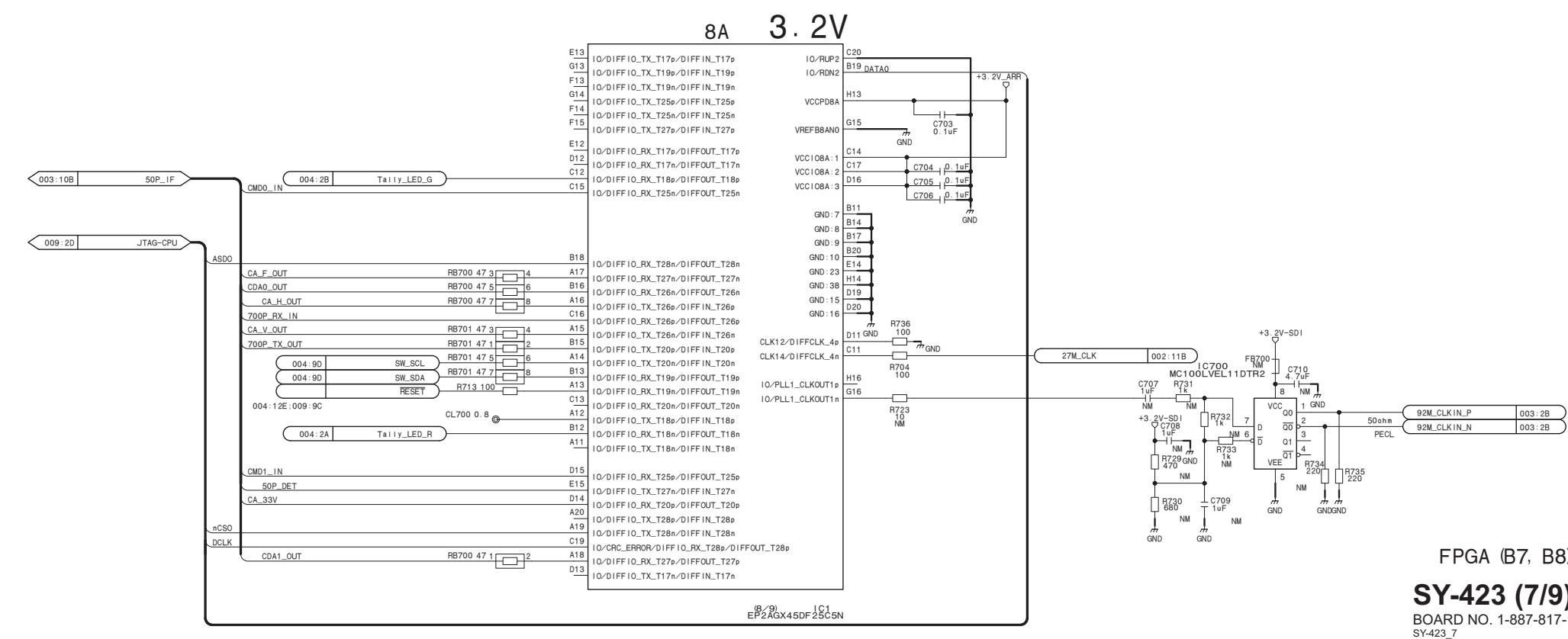
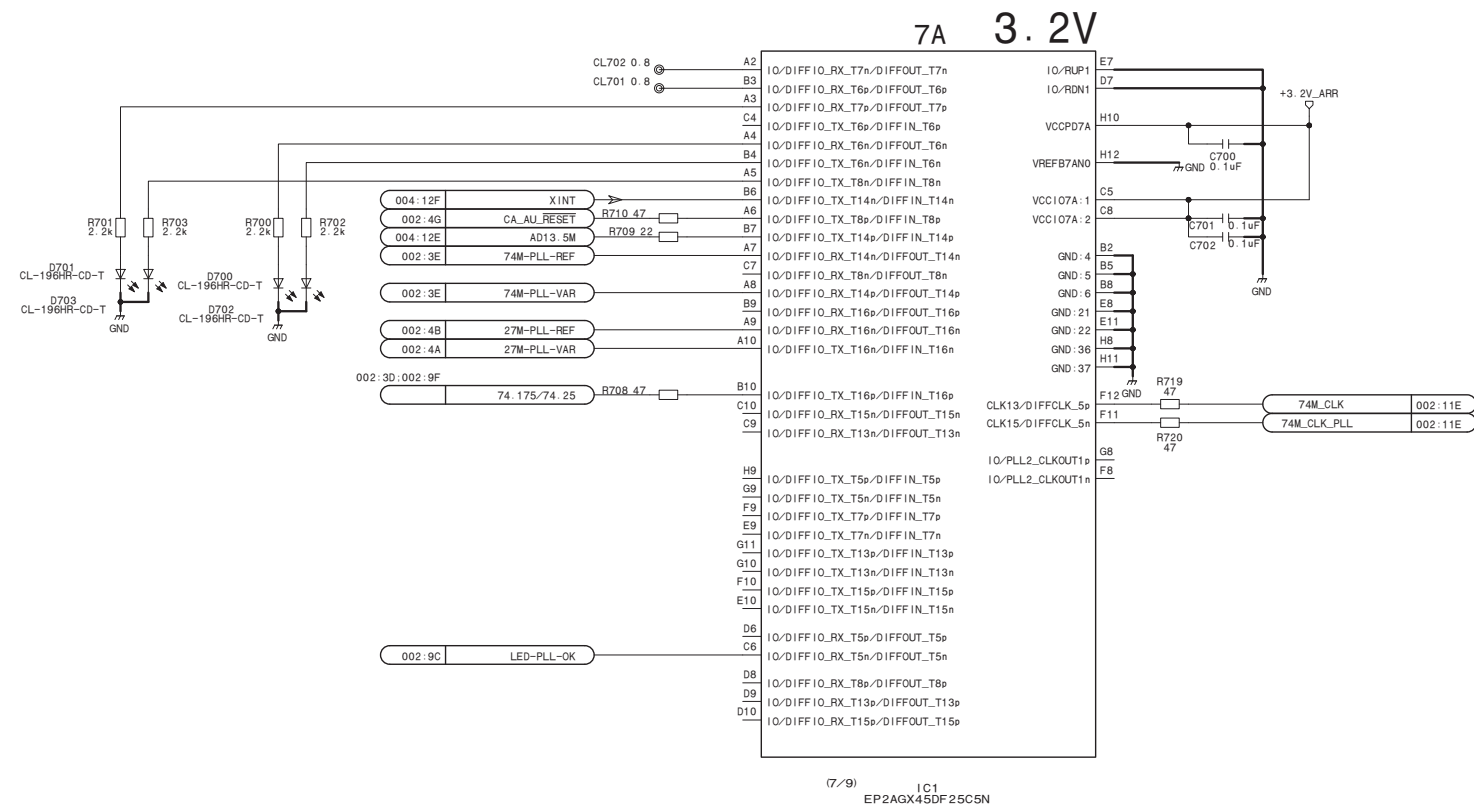
FPGA (B3, B4) , SRAM, Flash

SY-423 (5/9)

BOARD NO. 1-887-817-11
SY-423_5



SY-423 (7/9)

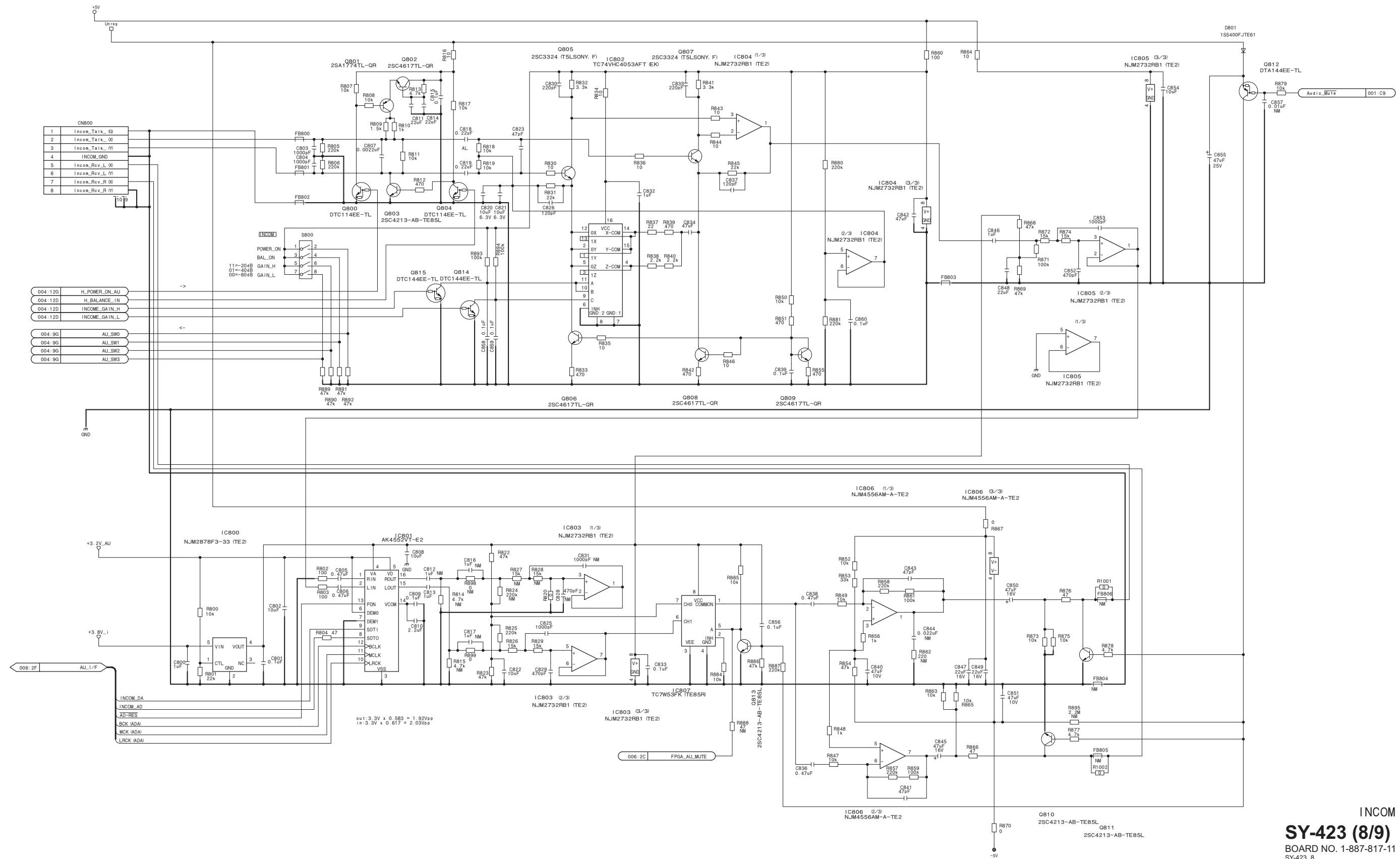


FPGA (B7, B8)

SY-423 (7/9)

BOARD NO. 1-887-817-11
SY-423_7

SY-423 (8/9)

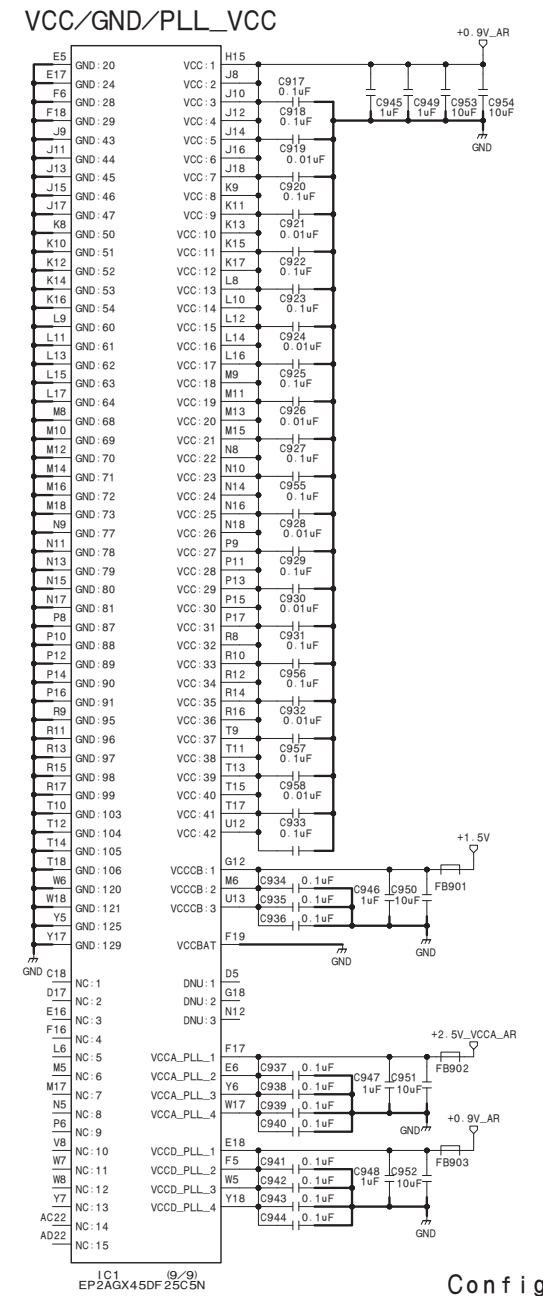
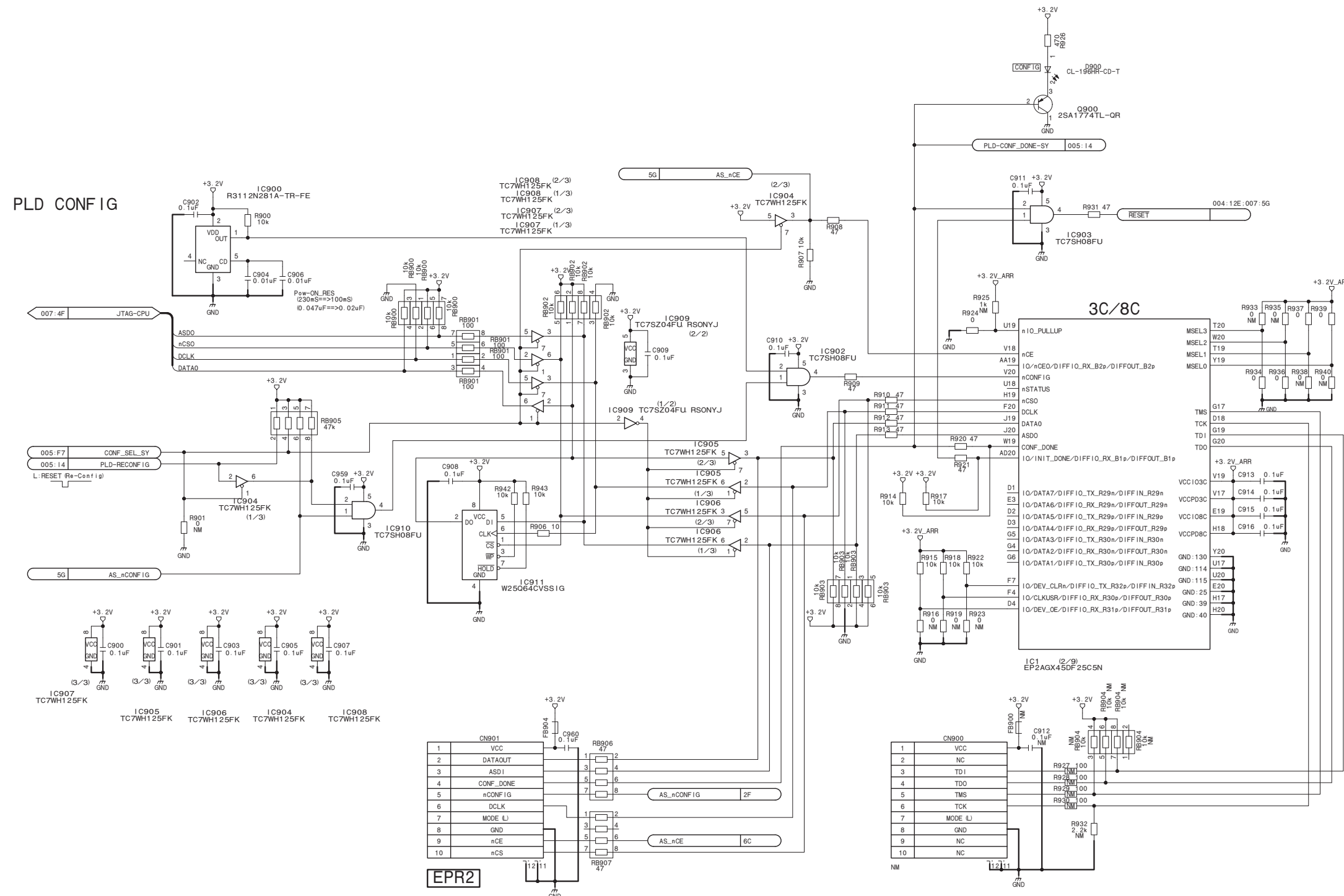


INCOM

SY-423 (8/9)

BOARD NO. 1-887-817-11
SY-423_8

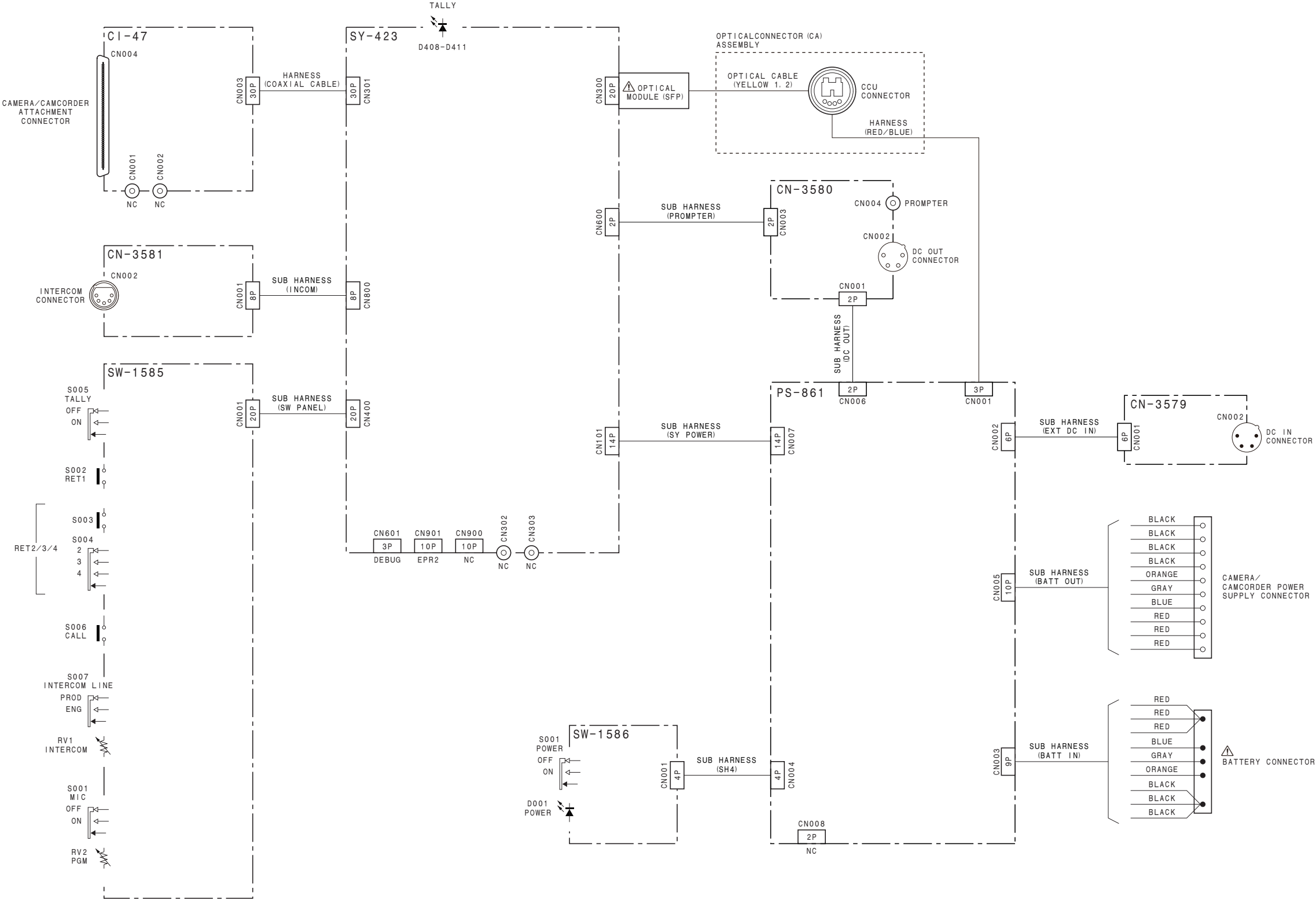
SY-423 (9/9)



Config

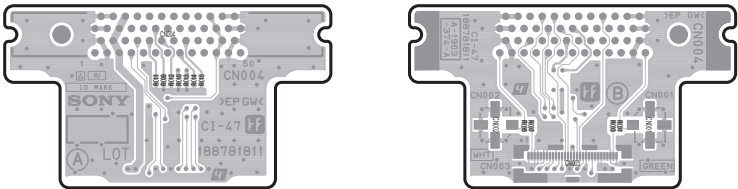
SY-423 (9/9)
BOARD NO. 1-887-817-11
SY-423_9

Frame Wiring



Section 7
Board Layouts

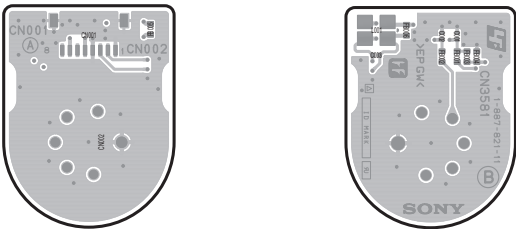
CI-47



CI-47 -A SIDE-
SUFFIX: -11

CI-47 -B SIDE-
SUFFIX: -11

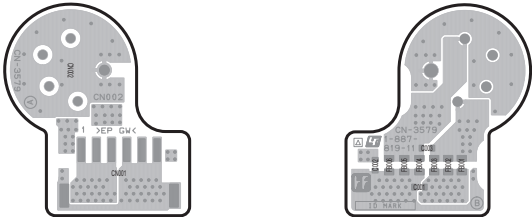
CN-3581



CN-3581 -A SIDE-
SUFFIX: -11

CN-3581 -B SIDE-
SUFFIX: -11

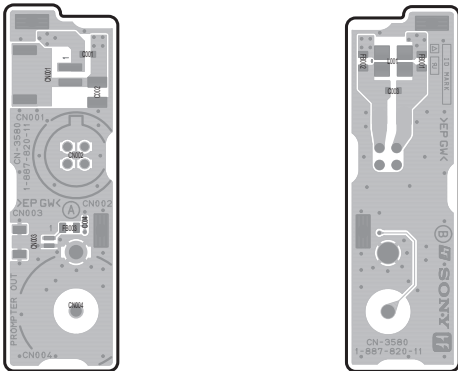
CN-3579



CN-3579 -A SIDE-
SUFFIX: -11

CN-3579 -B SIDE-
SUFFIX: -11

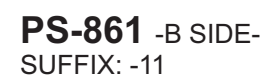
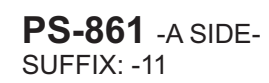
CN-3580



CN-3580 -A SIDE-
SUFFIX: -11

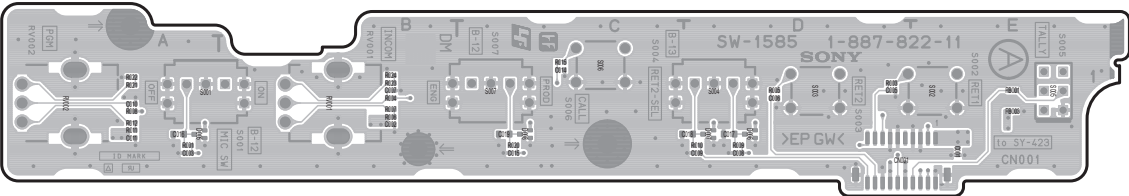
CN-3580 -B SIDE-
SUFFIX: -11

The location is described at the end in this section.

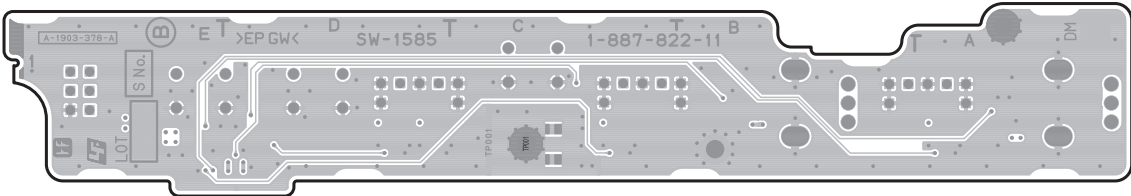


SW-1585

The location is described at the end in this section.

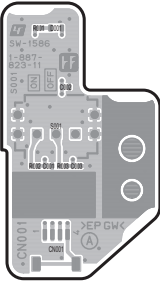


SW-1585 -A SIDE-
SUFFIX: -11

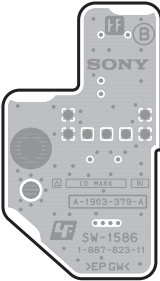


SW-1585 -B SIDE-
SUFFIX: -11

SW-1586

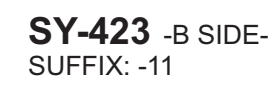
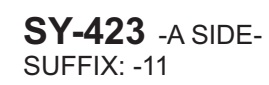


SW-1586 -A SIDE-
SUFFIX: -11



SW-1586 -B SIDE-
SUFFIX: -11

The location is described at the end in this section.



Board Parts Location

PS-861 1-887-824-11 *: B SIDE	C013	* B2	FB104	A4	Q165	* B3	R160	* B3	R456	A2	SW-1585 1-887-822-11 *: B SIDE	SY-423 1-887-817-11 *: B SIDE	C227	C2	C417	* A3	C830	D3	C949	* C2	E100	D3	IC400	A3	R100	* B2	R228	* B1	R416	A2
	C014	B2	FB105	A4	Q166	* A3	R161	* B3	R457	A2			C228	* B2	C418	* A2	C831	* C3	C950	B3	E101	A2	IC401	* A2	R101	* B2	R229	* B1	R417	B2
	C015	B2	FB106	A4	Q167	B3	R162	* B3	R458	A2			C229	* A2	C419	* A2	C832	* D3	C951	* B3	E102	* C2	IC402	* A2	R102	A3	R230	A2	R418	B2
	C016	* B2	FB107	A4	Q201	B3	R163	* B3	R459	A2			C230	* A1	C420	* A2	C833	* C3	C952	B3	E103	* B3	IC403	* A2	R103	* A2	R231	* A1	R421	B2
	C151	B3	C017	* B2	FB108	A4	Q202	B3	R164	* B3			C231	* A1	C503	* C2	C834	D3	C953	* C2			IC502	D2	R104	* B2	R233	A2	R422	B3
	C152	* B3	C018	* B2	FB109	A4	Q203	B3	R165	* B3	R001	A1	C001	E1	C100	B3	C835	D3	C954	* C2	FB100	B3	IC503	* D2	R105	A3	R234	C2	R423	B3
	C153	* B3	C019	* B2	FB201	B4	Q204	* B3	R166	B2	R002	A1	C002	B1	C101	A3	C836	C3	C955	* C2	FB101	* C3	IC600	C3	R106	* A2	R235	B1	R424	B3
	C154	* B3	C020	* B2	FB202	B4	Q205	B3	R167	B2	R003	A1	C003	A1	C102	* A2	C837	D3	C956	* C2	FB102	* B2	IC601	C3	R107	* B2	R236	B1	R425	* A3
	C155	A2	C021	* B2	FB203	B4	Q206	B3	R168	B2	R004	A1	C006	D1	C104	* B3	C838	C3	C957	* C2	FB103	* B2	IC700	* B2	R108	* B2	R238	B2	R426	* A3
	C156	B3	C022	B1	FB204	B4	Q207	* B3	R169	* B2	R005	A1	C007	B1	C105	* B2	C839	D3	C958	* C2	FB104	A3	IC800	* C3	R109	* B2	R239	B2	R427	* A2
	C157	A3	C023	B1	FB205	B4	Q208	B3	R170	B2	R006	A1	C008	D1	C106	* B2	C840	C3	C959	* C2	FB105	* C3	IC801	* C3	R110	A3	R243	B1	R428	* A2
C201	B3	C024	* B1	FB206	B4	Q209	B4	R171	* B2	R007	A2	C009	D1	C107	* B2	C510	D2	C841	C3	FB106	B2	IC802	* D3	R111	A3	R245	A2	R429	* A3	
C202	B3	C025	* B1	FB207	* B4	Q251	A3	R172	* B2	R008	A2	C010	A1	C108	A3	C239	* A1	C842	D3	FB107	B2	IC803	* C3	R112	A3	R246	B2	R430	* A3	
C203	B3	C026	A1	FB208	* B4	Q252	* A3	R173	* B2	R009	A1	C011	A1	C109	* A2	C240	* A1	C843	C3	FB108	B2	IC804	* D3	R113	A3	R247	B2	R431	B3	
C204	B3	C027	B1	FB209	* B4	Q301	A3	R174	* A3	R010	A1	C014	C1	C110	* B3	C241	* A1	C844	C3	FB109	B2	IC805	* D3	R114	* A2	R249	B2	R438	A3	
C205	* B3			FB251	A3	Q302	B3	R175	* A3	R011	A1	C015	C1	C111	* B3	C242	* A1	C845	C3	CL100	A3	IC806	C3	R115	* A2	R250	B2	R439	* A3	
C206	* B3	CN001	A1	FB252	A3	Q303	B3	R176	* A3	R012	A1	C016	A1	C112	B3	C243	C2	C846	* D3	CL101	A2	IC807	* C3	R116	* A2	R251	B2	R440	* A3	
C207	B3	CN002	A3	FB253	A3	Q304	A3	R177	A2	R013	A1	C017	D1	C113	* B2	C300	* B2	C847	* C3	CL102	B2	IC900	* D2	R117	* A2	R252	A2	R441	* A2	
C208	B3	CN003	A4	FB254	A3	Q451	* A2	R178	A2	R014	A1	C018	D1	C114	B3	C301	* C2	C848	* D3	CL103	A3	IC902	* C2	R118	* B2	R253	A1	R442	* A2	
C209	* B3	CN004	B4			Q452	* A2	R201	B3	R015	A1	C019	C1	C115	A3	C302	* C2	C849	* C3	CL104	A3	IC903	* C2	R119	* B2	R254	* A1	R443	* A2	
C210	* B3	CN005	B4	IC001	* B2	Q453	* A2	R202	B3	R018	B2			C116	* A2	C303	* B2	C850	C3	CL105	B3	IC904	* C2	R120	* B2	R255	* A1	R444	* A2	
C211	B4	CN006	A3	IC201	* B3	Q454	A2	R203	B3	R019	* B2	CN001	D1	C117	B2	C304	* C2	C851	* C3	CL106	B3	IC905	* D2	R121	* B2	R300	C2	R445	B3	
C212	B4	CN007	A2	IC202	* B3	Q455	A2	R204	B3	R020	* B2			C118	B2	C305	* C2	C852	* D3	CL107	A2	IC906	D2	R122	B3	R301	C2	R446	A1	
C213	B4	CN008	A1	IC203	* A4			R205	* B3	R021	* B2			C119	A3	C306	* C2	C853	* D2	CL108	A2	IC907	* D2	R123	B3	R302	* C2	R447	A1	
C214	* B4			IC401	* B2	Q001	A1	R206	* B3	R022	* B2			C120	* B2	C307	* C2	C854	* C3	CL109	A2	IC908	D2	R124	B3	R303	C2	R448	* A3	
C251	B3	D100	* A4	IC402	* B2	Q002	A1	R207	B3	R023	* B2			C121	B2	C308	* C2	C855	C3	CL100	A3	IC909	* D2	R125	B3	R304	C2	R449	* A3	
C252	A3	D101	A3	IC403	* B2	Q003	A2	R208	B3	R024	* B2			C122	A3	C309	* C2	C856	* C3	CL101	A2	IC910	* C2	R126	B3	R307	C2	R450	A3	
C253	A3	D102	* A3	IC451	* A2	Q004	A2	R209	* B3	R025	* B2			C123	* B2	C310	* C2	C857	C3	CL102	B2	IC911	D1	R127	* A3	R308	C2	R451	* A1	
C301	A3	D103	A3			Q005	A2	R210	* B3	R026	* B2	FB001	E1	C124	B2	C311	* C2	C858	D3	CL103	C2			R128	* A3	R311	C2	R452	A3	
C302	B3	D104	B3	L201	B3	Q006	* A1	R211	* B3	R027	* B2	FB003	E1	C125	B2	C312	* C2	C859	D3	CL104	A3			R129	B3	R312	C2	R453	* A1	
C401	* B2	D105	A3	L401	* A2	Q007	* A1	R212	* B3	R028	* B2			C131	B2	C313	* C2	C860	* D3	CL105	C2			R130	B3	R313	* C1	R454	* A2	
C402	* A2	D151	B3	L402	A2	Q008	* B2	R213	* B3	R029	* B2			C137	A3	C314	* C2	C900	* D1	CL106	B3			R131	B3	R314	* C1	R455	A1	
C403	* B2	D152	B4	L403	* A3	Q009	* B2	R214	B3	R030	* B2			C138	A3	C315	* B2	C901	* D1	CL107	A2			R132	B3	R315	* C1	R456	* A3	
C404	* B2	D153	B3	L404	A2	Q010	* B2	R215	* B3	R031	* B2			C139	* A3	C316	* C2	C902	* D2	CL108	A2			R133	B3	R316	* C1	R457	A3	
C405	B2	D154	* B3	L405	A3	Q011	* B2	R216	* B3	R032	* B2			C140	* A3	C317	* B2	C903	D2	CL109	A2			R134	B3	R317	* C1	R458	* A1	
C406	* A2	D155	* B3	L406	* A2	Q012	* B1	R217	B3	R033	* B2			C141	B3	C318	* D1	C904	* D2	CL100	A3			R135	* A3	R318	* C1	R459	A1	
C407	* A2	D156	* B3	L407	A2	Q013	* B1	R218	B3	R034	* B2			C142	B3	C319	* D1	C905	* C1	CL101	A2			R136	* A3	R319	* C1	R460	* A3	
C408	* A2	D157	* B3	L408	A2	Q014	B2	R219	* B3	R035	* B2			C143	B3	C320	* D1	C906	* D2	CL102	B2			R137	* A3	R320	B2	R461	A3	
C409	A2	D158	B3	L409	A3	Q015	A2	R220	* B3	R036	* B2			C144	* A3	C321	* D1	C907	D2	CL103	C2			R138	* A3	R321	* B2	R462	* A1	
C410	* B2	D159	A1	L451	* A2	Q016	A1	R221	* B3	R037	* B2			C145	B3	C322	* D1	C908	D1	CL104	A3			R139	* A3	R322	* B2	R463	* A2	
C411	* A2	D201	B3	L452	* A2			R222	* B3	R038	* B2			C146	* A3	C323	* D1	C909	* D2	CL105	C2			R140	B3	R323	B2	R464	* A2	
C412	* B2	D202	* B3			R100	A4	R223	* B3	R039	* B2			C147	* A3	C324	B2	C910	* C2	CL106	B3			R141	B3	R324	C1	R465	* A2	
C413	* B2	D203	B3	L001	A1	R101	A3	R224	* B4	R040	* B2			C148	B3	C325	B2	C911	* C2	CL107	A2			R142	B3	R325	* B1	R501	C2	
C414	B2	D204	* B3	L002	B1	R102	A3	R225	* B4	R041	* B2			C149	* A3	C326	* B2	C912	D2	CL108	A2			R143	B3	R326	C1	R502	C2	
C415	* A2	D205	* B4			R103	A3	R226	* B4	R042	* B2			C150	A3	C327	* C1	C913	* C2	CL109	A2			R144	B3	R327	C1	R503	C2	
C416	* A3	D206	* B4	Q100	A3	R104	A3	R227	* B4	R043	* B2			C151	A3	C328	C1	C914	* C2	CL100	A3			R145	B3	R328	C1	R504	* C2	
C417	* A3	D207	* B4	Q101	A3	R105	A3	R228	* B4	R044	* B2			C152	B3	C329	C1	C915	* C2	CL101	A2			R146	B3	R329	B2	R505	C2	
C418	A3	D301	A3	Q102	A3	R106	* A3	R229	* B4	R045	* B1			C153	B3	C330	C1	C916	* C2	CL102	B2			R147	B3	R332	B2	R506	C2	
C419	A2	D451	* A2	Q103	A3	R107	A3	R230	* B4	R046	* B2			C154	B3	C331	B2	C917	* C2	CL103	C2			R148	* B3	R333	B2	R508	* C2	
C420	* B2			Q104	A3	R108	* A3	R231	B4	R047	* B1			C155	B3	C332	C1	C918	* C2	CL104	A3			R149	* C3	R334	B2	R509	D2	
C421	* A2	D001	A2	Q105	* A4	R109	* B4	R232	B4	R048	B1			C156	B3	C333	* B2	C919	* C2	CL105	C2			R150	* C3	R335	C2	R510	* C2	
C422	* B2	D002	A1	Q106	B4	R110	* B4	R251	B3	R049	B1			C157	B3	C334	C1	C920	* C2	CL106	B3			R151	* C3	R337	* C1	R511	* C2	
C423	* B2	D003	* B2	Q107	* A4	R111	A3	R252	B3	R050	A1	S001	A1	C162	* B2	C335	* C1	C921	* C2	CL107	A2			R152	* C3	R338	C1	R512	* C2	
C424	B2	D004	B2	Q108	A3	R112	A3	R253	B3	R051	A1	S002	E1	C165	* B2	C336	* B2	C922	* C2	CL108	A2			R200	* B2	R339	C1	R513	C2	
C425	* A2	D005	* B2	Q109	A3	R113	A3	R254	* B3	R094	A3	S003	D1	C166	* B3	C337	C1	C923	* C2	CL109	A2			R201	A2	R340	C1	R514	C2	
C426	* A2	D006	* B2	Q110	* A3	R114	A3	R255	* A3	R095	A4	S004	D1	C167	* B3	C338	C2	C924	* C2	CL100	A3			R202	A1	R343	C1	R515	C2	

R631	C3	R852	C3	R1001	* C3
R632	C3	R853	C3	R1002	* C3
R633	C3	R854	C3		
R634	C3	R855	D3	RB200	A2
R635	C3	R856	C3	RB201	A1
R636	C3	R857	C3	RB300	* C1
R637	C3	R858	C3	RB301	* B2
R638	C3	R859	C3	RB302	* B1
R639	C3	R860	D3	RB303	* B1
R640	D2	R861	C3	RB304	C2
R641	D2	R862	C3	RB400	* A2
R642	* C3	R863	* C3	RB401	* A2
R700	B3	R864	* C2	RB402	* A2
R701	B3	R865	* C3	RB403	A2
R702	B3	R866	* C3	RB404	A3
R703	B2	R867	* C3	RB405	B3
R704	* C2	R868	* D3	RB500	* C2
R708	B2	R869	* D2	RB501	* C2
R709	B2	R870	* C3	RB502	* C2
R710	B2	R871	* D3	RB503	* C2
R713	B2	R872	* D2	RB504	* C2
R719	* C2	R873	* C3	RB505	* C2
R720	* C2	R874	* D2	RB506	C2
R723	* B2	R875	* C3	RB507	* C2
R729	* B2	R876	* C3	RB508	* C2
R730	* B2	R877	* C3	RB509	* D2
R731	* B2	R878	* C3	RB510	* D2
R732	* B2	R879	C3	RB511	* D2
R733	* B2	R880	* D3	RB512	* D2
R734	* B2	R881	* D3	RB513	D2
R735	* B2	R884	* C3	RB514	D2
R736	* C2	R885	* C3	RB515	D2
R800	* C3	R886	* C3	RB516	D2
R801	* C3	R887	* C3	RB600	* D2
R802	* C2	R888	* C3	RB601	* D2
R803	* C2	R889	A3	RB602	B3
R804	* C3	R890	A3	RB603	B3
R805	* D3	R891	A3	RB604	C3
R806	* D3	R892	A3	RB700	B2
R807	* D3	R893	D3	RB701	B2
R808	* D3	R894	D3	RB900	C2
R809	* D3	R895	* C3	RB901	* C2
R810	* D3	R898	* C3	RB902	* D2
R811	* D3	R899	* C3	RB903	C2
R812	* D3	R900	* C2	RB904	* D2
R813	* D3	R901	* C1	RB905	* C2
R814	* C3	R906	D1	RB906	* D2
R815	* C3	R907	* C1	RB907	* D2
R816	* D3	R908	* C2		
R817	* D3	R909	* C2	S600	D3
R818	* D3	R910	* C2	S800	A3
R819	* D3	R911	* C2		
R820	* C3	R912	* C2	THP100	A3
R822	* C3	R913	* C2	THP101	* A2
R823	* C3	R914	* C2	THP102	B3
R824	* C3	R915	* C3	THP103	B3
R825	* C3	R916	* C3	THP104	A3
R826	* C3	R917	C2	THP105	A3
R827	* C3	R918	* C3	THP106	B3
R828	* C3	R919	* C3		
R829	* C3	R920	* C2	TP100	A1
R830	D3	R921	C2	TP101	* D1
R831	D3	R922	* C2	TP102	* A1
R832	D3	R923	* C2	TP103	* D3
R833	D3	R924	* C2	TP104	A3
R834	* D3	R925	* C2	TP105	* A3
R835	D3	R926	C2	TP200	B2
R836	D3	R927	D2	TP600	C3
R837	* D3	R928	D2		
R838	* D3	R929	D2	VDR300	C1
R839	* D3	R930	D2		
R840	* D3	R931	* C2	X200	A1
R841	D3	R932	D2	X201	C2
R842	D3	R933	* C2	X202	A2
R843	* D3	R934	* C2	X203	B2
R844	* D3	R935	* C2		
R845	D3	R936	* C2		
R846	D3	R937	* C2		
R847	C3	R938	* C2		
R848	C3	R939	* C2		
R849	C3	R940	* C2		
R850	D3	R942	C1		
R851	D3	R943	D1		

