

SONY®

SOLID-STATE MEMORY CAMCORDER

PMW-F5

PMW-F55



SxS

HDMI

XAVC

MPEG HD422

SERVICE MANUAL

1st Edition

警告

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

WARNING

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

WARNUNG

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

AVERTISSEMENT

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

Model Name	Serial No.
PMW-F5 (SY)	100001 and Higher
PMW-F5 (CN)	500001 and Higher
PMW-F55 (SY)	100001 and Higher
PMW-F55 (CN)	500001 and Higher

注意

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

CAUTION

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

ATTENTION

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

VORSICHT

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

FÖRSIKTIGHET!

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

PAS PA

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

HUOMIO

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

FORSIKTIG

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

注意

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

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Manual Structure

Purpose of this manual

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

Related manuals

The following manuals are available in this model.

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

- Operation Manual (Supplied with this unit)

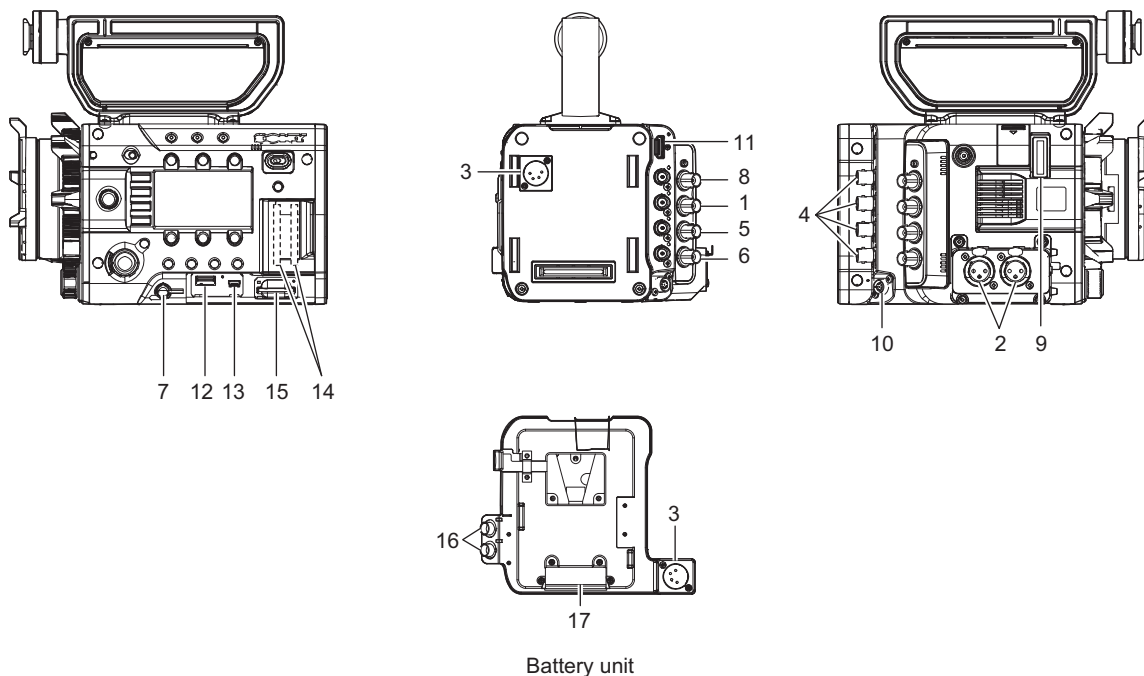
This manual is necessary for application and operation of this unit.

Section 1

Service Overview

1-1. Connectors and Cables

1-1-1. Connector Input/Output Signals



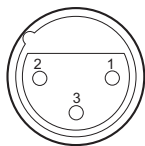
Input Signals

1. GENLOCK IN

BNC type 1.0 V p-p, 75 ohms

2. AUDIO IN (CH-1/CH-2)

XLR 3-pin, Female



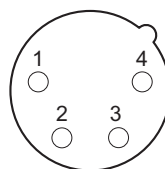
- External View -

(0 dBu = 0.775 Vrms)

No.	Signal	I/O	Specifications
1	MIC/LINE (G)	—	MIC: -40, -50, -60 dBu LINE: +4 dBu Balanced
2	MIC/LINE (X)	IN	
3	MIC/LINE (Y)	IN	

3. DC IN

XLR 4-pin, Male



- External View -

No.	Signal	I/O	Specifications
1	GND	—	GND for DC (+)
2	—	—	No connection
3	—	—	No connection
4	DC (+)	IN	+10.5 to 17 V dc input

Output Signals

4. SDI OUT 1/2/3/4

BNC type, SDI 0.8 V p-p, 75 ohms, 270 Mbps & 1.5 Gbps

5. TEST OUT

BNC type 1.0 V p-p, 75 ohms

6. SHUTTER

BNC type 1.0 V p-p, 75 ohms

7. Headphones

Stereo mini jack

–14 dBu (Volume: Max, reference level output 8 ohms loaded)

Audio monitor, monaural/stereo switching

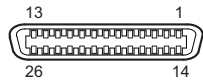
Input/Output Signals

8. TC

BNC type 1.0 V p-p, 75 ohms

9. VF

Rectangular, 26-pin

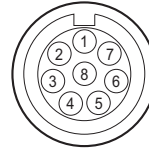


- External View -

No.	Signal	I/O	Specifications
1	SHIELD GND	—	GND
2 to 4	LVDS 1- to 3-	OUT	LVDS (-) output
5	LVDS CLK-	OUT	LVDS clock (-) output
6, 7	LVDS 4-, 5-	OUT	LVDS (-) output
8	VF ON	IN	VF ON signal input
9	SDAT	I/O	Serial data signal input/output
10, 11	UNREG	OUT	UNREG output
12 to 14	GND	—	GND
15 to 17	LVDS 1+ to 3+	OUT	LVDS (+) output
18	LVDS CLK+	OUT	LVDS clock (+) output
19, 20	LVDS 4+, 5+	OUT	LVDS (+) output
21	SRX	OUT	SDI signal output
22	SCLK	OUT	Serial data clock signal output
23, 24	UNREG	OUT	UNREG output
25	GND	—	GND
26	SHIELD GND	—	GND

10. REMOTE

8-pin, Female

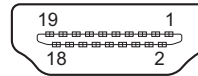


- External View -

No.	Signal	I/O	Specifications
1	RM_TX (+)	OUT	Serial data signal output
2	RM_TX (-)	OUT	
3	RM_RX (+)	IN	Serial data signal input
4	RM_RX (-)	IN	
5	GND	—	GND
6	UNREG_DP	OUT	+11 to 17 V dc output
7	GND	—	GND
8	RM_CPST_OUT	OUT	Video signal output 1.0 Vp-p, Zo = 75 ohms

11. HDMI OUT

19-pin, Type A



- External View -

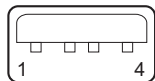
No.	Signal	I/O	Specifications
1	TMDS DA-TA2+	OUT	TMDS data 2 (+) output
2	TMDS DA-TA2 SHIELD	—	GND for TMDS data 2
3	TMDS DA-TA2-	OUT	TMDS data 2 (-) output
4	TMDS DA-TA1+	OUT	TMDS data 1 (+) output
5	TMDS DA-TA1 SHIELD	—	GND for TMDS data 1
6	TMDS DA-TA1-	OUT	TMDS data 1 (-) output
7	TMDS DA-TA0+	OUT	TMDS data 0 (+) output
8	TMDS DA-TA0 SHIELD	—	GND for TMDS data 0
9	TMDS DA-TA0-	OUT	TMDS data 0 (-) output
10	TMDS CLOCK+	OUT	TMDS clock signal (+) output

Continued

No.	Signal	I/O	Specifications
11	TMDS CLOCK SHIELD	—	GND for TMDS clock
12	TMDS CLOCK-	OUT	TMDS clock signal (-) output
13	CEC (N.C.)	—	—
14	RESERVED (N.C.)	—	No connection
15	SCL	OUT	Serial data clock signal output
16	SDA	I/O	Serial data signal input/output
17	DDC/CEC GND	—	GND
18	+5 V POW-ER	OUT	+5 V dc output
19	HPD	IN	Hot plug detect signal input

12. USB (A)

USB (Series A), 4-pin
Signal standard: USB standard Ver. 2.0



- External View -

No.	Signal	I/O	Specifications
1	USB_VBUS	—	VBUS
2	DATA (-)	I/O	Data (-) input/output
3	DATA (+)	I/O	Data (+) input/output
4	GND	—	GND

13. USB (Mini B)

5-pin, mini-B, USB2.0 Hi-Speed



- External View -

No.	Signal	I/O	Specifications
1	USB_DEV_VBUS	—	VBUS
2	DATA (-)	I/O	Data (-) input/output
3	DATA (+)	I/O	Data (+) input/output
4	ID	—	No connection
5	GND	—	GND

14. SxS Memory Card Slot (A/B)

Express Card/34

- SxS PRO+: SBP-128B, SBP-64B: Available for all recording formats
- SxS PRO: SBP-64A, SBP-32: XAVC 1920×1080 P, MPEG 1920×1080 P/i
- SxS-1: SBS-64G1A, SBS-32G1A: MPEG 1920×1080 P/i

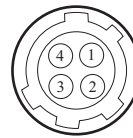
15. SD Card Slot

SD Card

- SDHC memory card: Speed Class: 4 to 10/UHS is not compatible/Capacity: 2 to 32 GB
- SD memory card: File system : FAT16/Capacity: up to 2 GB

16. DC OUT

4-pin, Female

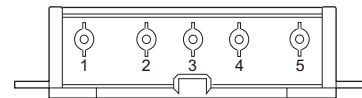


- External View -

No.	Signal	I/O	Specification
1	UNREG GND	—	GND for UNREG
2	REC TALLY	OUT	Open Collector output (Max. 50 mA) Low: REC
3	REC TRIGGER	IN	Open or +5 V dc: Normal GND: Active (REC)
4	UNREG +12 V OUT	OUT	+11 to 17 V dc output

17. BATTERY

5-pin, Male

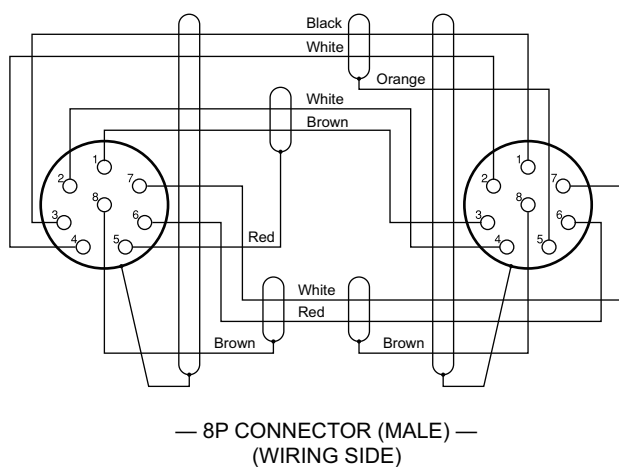


- External View -

No.	Signal	I/O	Specifications
1	BATT IN (+)	IN	+11 to 17 V dc input
2	BATT SCL	OUT	Battery serial data clock signal output
3	BATT SDA	IN/OUT	Battery serial data signal input/output
4	BATT ID	IN	Battery ID signal input
5	BATT IN (-)	IN	GND for BATT IN

1-1-2. Wiring Diagrams for Cables

CCA-5 Cable (for REMOTE connector)

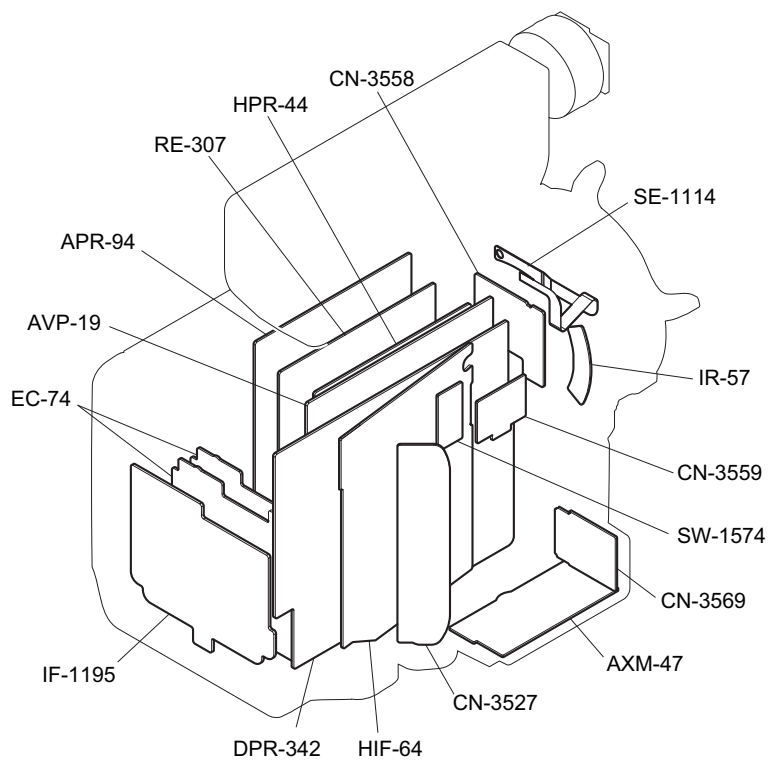
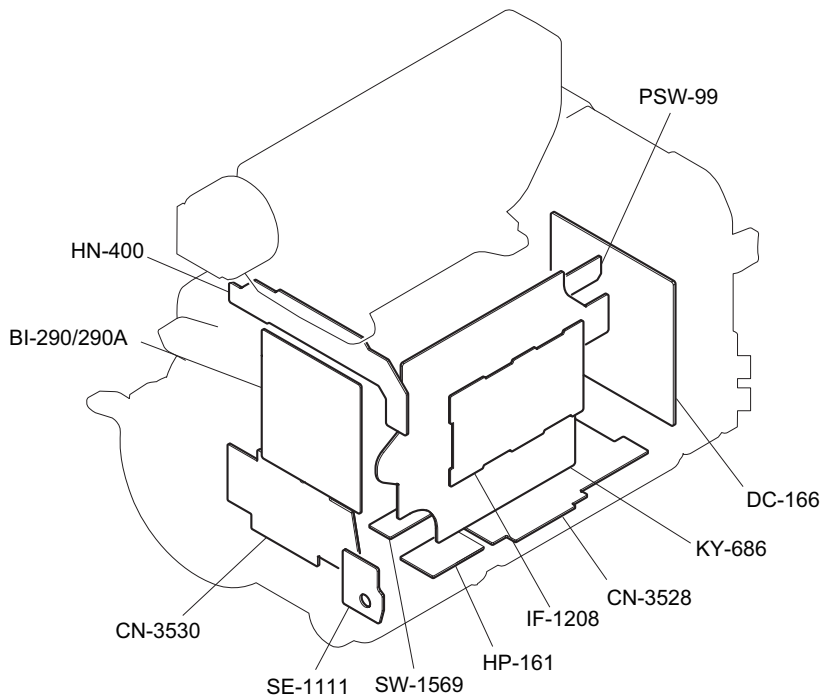


1-1-3. Connection Connectors/Cables

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.

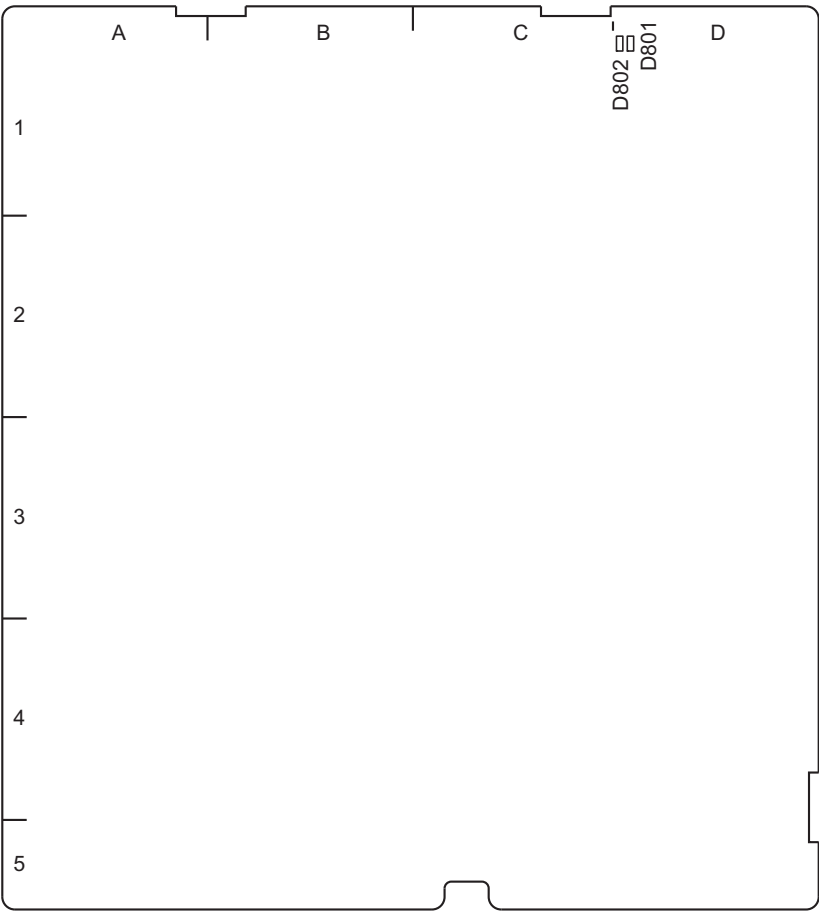
Connector Name	Connection Connectors/Cables
- SDI OUT 1/2/3/4 - TC - GENLOCK - TEST OUT - SHUTTER (BNC type)	Plug, BNC (Part No.: 1-569-370-12) or 5C-FB coaxial cable
AUDIO IN (CH-1/CH-2) (XLR type 3-pin, Female)	XLR, 3-Pin Male (Part No.: 1-508-084-00) or ITT Cannon XLR-3-12C or equivalent
VF (rectangular, 26-pin)	Connection cable of the optional viewfinder
REMOTE (8-pin, Female)	Plug, 8-Pin Male (Part No.: 1-766-848-11)
DC IN (XLR type 4-pin, Male)	XLR, 4-Pin Female (Part No.: 1-508-362-00) or ITT Cannon XLR-4-11C or equivalent or connection cable (Part No.: 1-551-577-00)
DC OUT (4-pin, Female)	Plug, 4-Pin Male (Part No.: 1-566-425-11) or HIROSE HR10A-7P-4P equivalent
Headphones (stereo mini jack)	Stereo mini jack (optional)
HDMI OUT (19-pin, Type A)	HDMI cable (optional)
USB (A) (4-pin, Series A)	USB cable (optional)
USB (Mini B) (5-pin, Mini-B)	

1-2. Board Location



1-3. Description of Onboard LED Indicators

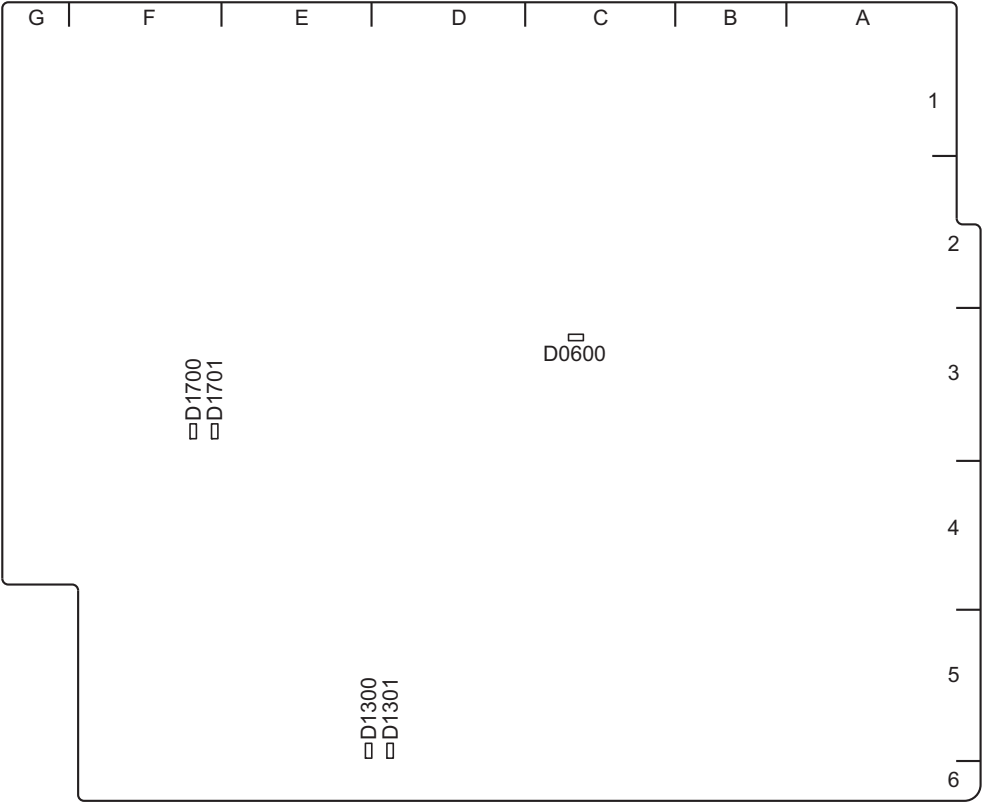
1-3-1. AVP-19 Board



AVP-19 Board (Side A)

Ref. No. (Address)	Color	Description	Normal State (Power On)
D801 (D-1)	Red	Factory use	Lit
D802 (D-1)	Red	Factory use	Inconstant

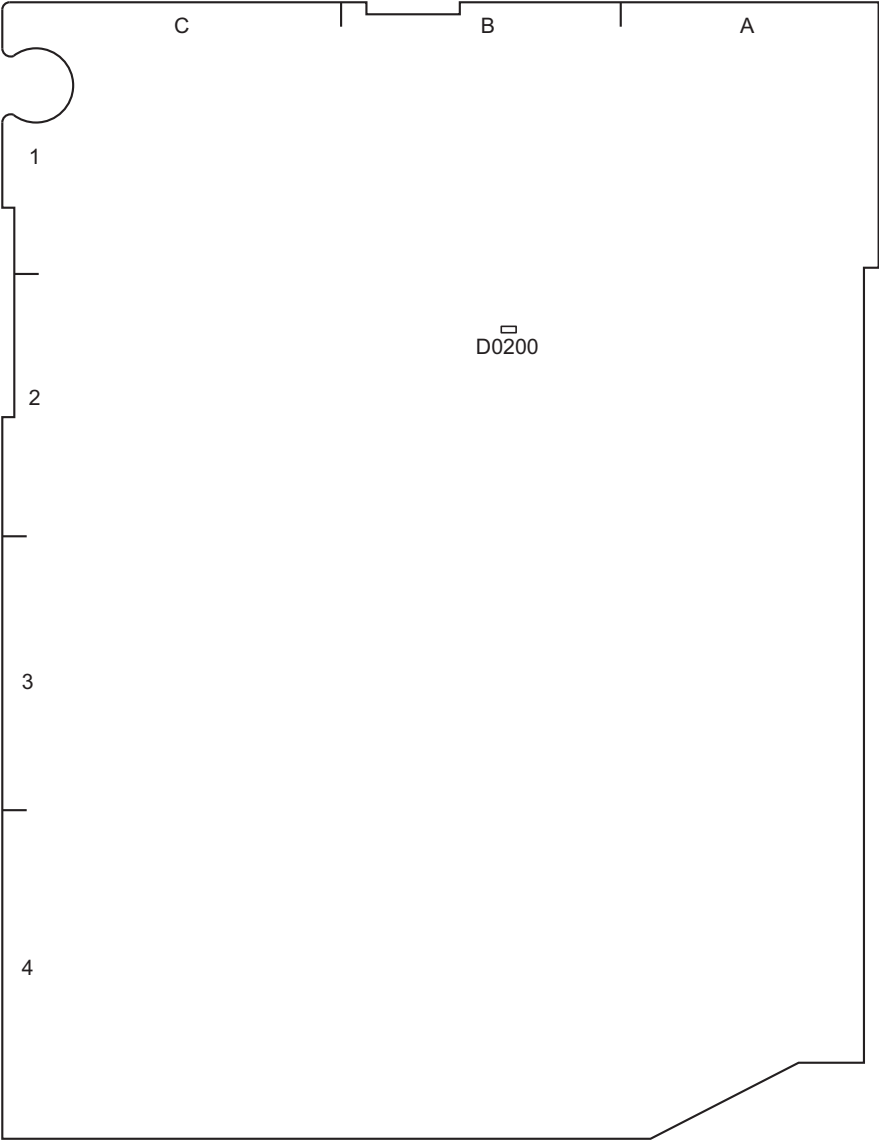
1-3-2. DPR-342 Board



DPR-342 Board (Side B)

Ref. No. (Address)	Color	Description	Normal State (Power On)
D0600 (C-3)	Green	Factory use	Not lit
D1300 (D-5)	Green	Factory use	Not lit
D1301 (D-5)	Green	Factory use	Not lit
D1700 (F-3)	Green	Factory use	Not lit (XAVC)
D1701 (F-3)	Green	Factory use	Not lit (XAVC)

1-3-3. HIF-64 Board



HIF-64 Board (Side B)

Ref. No. (Address)	Color	Description	Normal State (Power On)
D0200 (D-2)	Green	Factory use	Blink

1-4. Circuit Description

1-4-1. CMOS Block and Lens Block

BI-290/290A Board

The PMW-F5 contains a BI-290 board and the PMW-F55 contains a BI-290A board.

The BI-290 and 290A boards supply power and synchronization signals to the CMOS image sensor (IC1) and send output signals to the DPR-342 board.

The following connectors are mounted on the DPR-342 board.

- 40-pin power connector (CN1)
- 30-pin fine-wire coaxial connectors (CN3, CN4) for video signal transmission and synchronization and control signals

The CMOS image sensor (IC1) converts optical signals to electrical signals, and the internal A/D converter converts electrical signals to 12-bit digital signals and outputs the 12-bit digital signals.

An electronic shutter, analog gain amplifier, and temperature sensor are also mounted in this unit. The synchronization signal and the serial communication signal that are output from the DPR-342 board are input to the CMOS image sensor (IC1).

The clock signal is output from the crystal oscillator (X2: 148.5 MHz) and its voltage is converted by IC10. The converted clock signal is sent to the CMOS image sensor (IC1).

Power voltages are lowered to regulated voltages by the drop regulators (IC013, IC020, IC022, IC024, Q001, Q002), and are then supplied to the CMOS image sensor (IC1).

DPR-342 Board

This unit is provided with the following two interface connectors for serial communication with the lens.

- Cooke interface connector
- ARRI interface connector

Power to be supplied to the lens is turned on and off by the video signal processor ROSETTA (IC0100), but is actually shut off by the RE-307 board.

The information on selecting the ND filter or the optical low-pass filter, which is input from the connector CN0301 is sent to the video signal processor ROSETTA (IC0100).

RE-307 Board

The RE-307 board is provided with the connector CN407 to supply power to the lens.

An overcurrent detection circuit (IC308, IC309) is provided in the power supply circuit. When overcurrent is detected, power supply to the lens is shut off by the FET (Q312, Q313) and the overcurrent information is sent to the video signal processor ROSETTA (IC0100).

HN-400 Board

The HN-400 board relays lens communication of the DPR-342 board, filter position detection information, and lens power of the RE-307 board.

1-4-2. Camera Block System

DPR-342 Board

The DPR-342 board comprises a video signal processor ROSETTA (IC0100) that integrates digital camera signal processing, scaling, routing, and OSD as a main component, and an AVC video codec, an MPEG2 video codec, and a VF controller.

Digital video signals that are output from the CMOS image sensor (IC1: BI-290/290A board) are input to the video signal processor ROSETTA (IC0100).

The video signal processor ROSETTA (IC0100) performs image sensor correction such as Bayer array signal processing, and then performs various processings including white balance processing, addition of matrix signals and detail signals, knee correction, gamma correction, and white/black clipping.

Scaling, addition of OSD, addition of detail are applied to the processed video signals according to applications for video codec, SDI/HDMI video output, and VF/LCD output. The processed video signals are output from the video signal processor ROSETTA (IC0100).

Furthermore, a path for inputting/outputting video signals during the camera signal processing is provided for RAW recording/replay.

The video signal processor ROSETTA (IC0100) incorporates a CPU whose program data is saved in the SPI flash memory (IC0603).

1-4-3. Video Signal System

DPR-342 Board

The video signal processor ROSETTA (IC0100) has the following functions for baseband processing of video/audio data.

- Scaler function (for multi-format output)
- OSD
- PLL (74 MHz to 148 MHz)
- CPU

The baseband signals processed by the video signal processor ROSETTA (IC0100) are sent to the HPR-44 board, HIF-64 board, and CN-3558 board, and are then distributed to input and output signals.

The video signal processor ROSETTA (IC0100) supports the following inputs and outputs.

Signal Name	Input/Output
4K video signal	Output to the HIF-64 board to be used for the SDI/HDMI/TEST OUT output
HD/SD video signal	Output to the HIF-64 board to be used for the HDMI output
VF video signal	Output to the CN-3558 board to be used for the VF connector output
RAW video signal	Input from and output to the HPR-44 board
MPEG CODEC video signal	Output to the MPEG codec BEAUNE (IC1000: DPR-342 board)
XAVC CODEC video signal	Output to the XAVC codec NATH (IC1400: DPR-342 board)
Audio interface signal	Input from and output to the APR-94 board

HIF-64 Board

The video signal distributor IC CMON (IC0200) on the HIF-64 board supports the following inputs and outputs.

Signal Name	Input/Output
4K video signal	Input from the DPR-342 board

Continued

HD/SD video signal	Input from the DPR-342 board
GENLOCK signal input	Input from the sync separator IC (IC1103)
GENLOCK signal output	Output to the PLL IC (IC1101)
Video synchronization signal output	Output to the ROSETTA (IC0100: DPR-342 board)
TC input/output signal	Input from and output to the amplifier ICs (IC1301, IC1303)
Shutter synchronization signal	Input from and output to the amplifier IC (IC1307)
SDI output signal	Output to the cable driver ICs (IC0600 to IC0603)
HDMI output signal	Output to the HDMI IC (IC0800)

The program data of the video signal distributor IC CMON (IC0200) is saved in the SPI flash memory (IC0506).

1-4-4. Media Recording/Replay System

DPR-342 Board

The baseband signal that is output from the video signal processor ROSETTA (IC0100) during recording is input to the XAVC codec BEAUNE (IC1000) and the MPEG2 video codec NATH (IC1400).

The replay video signal that is output from the XAVC codec BEAUNE (IC1000) or the MPEG2 video codec NATH (IC1400) during replay is selected by the video signal processor ROSETTA (IC0100) and is output to the SDI/HDMI connector and the VF connector.

The XAVC codec BEAUNE (IC1000) performs real-time AVC encoding and decoding for 2K/4K high-definition video signals, and is connected to the video signal processor ROSETTA (IC0100) with the 5 Gbps x 8 ultrahigh-speed serial interface. Vast amounts of 2K/4K video signals are transmitted with this interface.

The XAVC codec BEAUNE (IC1000) is connected to the media processor DIABLO (IC100: AVP-19 board) with the PCI Express interface (via CN0400). Compressed video data and control signals are transmitted bidirectionally with this PCI Express interface.

The MPEG2 video codec NATH (IC1400) performs real-time MPEG2 video encoding and decoding for HD video signals, and is connected to the video signal processor ROSETTA (IC0100) through the Y/C 10 bit x 2 parallel bus. Furthermore, the MPEG2 video codec NATH (IC1400) is connected to the media processor DIABLO (IC100: AVP-19 board) through the parallel bus (via CN0400). Compressed video data and control signals are transmitted bidirectionally with this parallel bus.

AVP-19 Board

The stream data compressed by the XAVC codec BEAUNE (IC1000: DPR-342 board) during recording is input through CN100 to the media processor DIABLO (IC100) by the PCI Express signal.

The stream data compressed by the MPEG2 video codec NATH (IC1400: DPR-342 board) is input through CN100 to the media processor DIABLO (IC100) through the parallel bus.

The auxiliary data and the LPCM audio data that are output from the video signal processor ROSETTA (IC0100: DPR-342 board) are also input through CN100 to the media processor DIABLO (IC100).

The media processor DIABLO (IC100) processes these input signals to a file. These processed signals are written to and read from the SxS memory card through the EC-74 board. Reverse operations and processing are performed during replay.

The media processor DIABLO (IC100) is connected to the extended interface FPGA KAPA (IC100: HPR-44 board) and the external extended interface connector (CN105: IF-1195 board) by the PCI Express signal.

Furthermore, the media processor DIABLO (IC100) incorporates a CPU and a USB device controller, and performs the following.

- Serial communication with the system controller EMMA (IC1400) and the video signal processor ROSETTA (IC0100:DPR-342 board)
- Data communication with the USB host controller (IC700) through the PCI bus and control

In addition, the media processor DIABLO (IC100) controls the MPEG2 video codec NATH (IC1400:DPR-342 board) through the host interface bus via CN100.

The flash ROM (IC500, IC501) is connected to the media processor DIABLO (IC100). Programs of the CPU in IC100 are read at the initial startup. The AVP-19 board also contains 2 GB x 2 DDR2 memory (IC400, IC401) as program and work areas.

In the same way as other main devices, the media processor DIABLO (IC100) is controlled by the system controller EMMA (IC1400) and controls video and audio streams, accesses the SxS memory card, and performs mass storage operation during USB connection.

Peripheral Devices

SxS memory card slot (EC-74 board)

The 2-channel PCI Express signal that is output from the media processor DIABLO (IC100: AVP-19 board) and the 2-channel USB host signal that is output from the USB host controller (IC700: AVP-19 board) are sent to the EC-74 board (SxS memory card slot board) through the fine-wire coaxial connectors (CN200, CN201).

This unit contains two EC-74 boards, and the PCI Express card power controller (IC101) is controlled by the GPIO of the media processor DIABLO (IC100: AVP-19 board). A voltage of +1.5 VDC is supplied from the DC/DC converter (IC100) for the SxS memory card.

USB device controller

USB device signals that are input to and output from the USB device controller in the media processor DIABLO (IC100: AVP-19 board) are sent from the connector CN205 (AVP-19 board) to the USB connector (Mini-B) on the CN-3528 board with a shield harness.

USB host controller

The USB host controller (IC700: AVP-19 board) has five channels, and is controlled by the media processor DIABLO (IC100:AVP-19 board) through the PCI bus.

Two channels out of the five channels are connected to the SxS memory card slot, and the other three channels are connected as follows.

- Connected from CN205 (AVP-19 board) to the USB connector (A) on the CN-3528 board with a shield harness
- Connected from CN204 (AVP-19 board) through the HPR-44 board to the external extended interface connector (CN105: IF-1195board)
- Connected to the USB NAND flash controller (IC800: AVP-19 board)

USB NAND flash memory

The NAND flash memory (IC801: AVP-19 board) forms the USB NAND flash controller (IC800: AVP-19 board) and the onboard USB memory.

The formed USB memory is accessed from the media processor DIABLO (IC100: AVP-19 board) through the USB host controller (IC700: AVP-19 board).

1-4-5. Extended Interface Block

HPR-44 Board and IF-1195 Board

The HPR-44 board and the IF-1195 board are used to control the external extended interface.

The external extended interface connector (CN105) mounted on the IF-1195 board mainly handles the following signals.

- External power input and battery communication signals
- Video/audio data input/output (6 Gbps high-speed serial interface) signals
- PCI Express and USB interface signals
- Adapter recognition, inter-adapter communication, and fan control signals

With respect to battery communication, the battery communication signal from the external extended interface connector (CN105) is input to the interface microcomputer EX VINE (IC203: IF-1195 board) to determine the battery type. When the battery is an SMBus info battery, communication is performed and the residual capacity information is transmitted to the system controller EMMA (IC1400:AVP-19 board).

Video data and audio data that are output from the video signal processor ROSETTA (IC0100: DPR-342 board) are input to the interface FPGA KAPA (IC100: HPR-44board) by the 4-lane 5 Gbps high-speed differential signal.

On the other hand, video data and audio data are output from the interface FPGA KAPA (IC100: HPR-44 board) on the HPR-44 board, and is input to the video signal processor ROSETTA (IC0100: DPR-342 board) on the DPR-342 board by the 600 Mbps LVDS signal.

Unless an external adapter for handling video/audio data is connected to the external extended interface connector (CN105), the unit stays in the power-saving mode and input/output of these video/audio data does not function.

With respect to identification of the external adapter, the adapter identification signal from the external extended interface connector (CN105) is input to the interface microcomputer EX VINE (IC203: IF-1195 board) to detect connection and control adapter power.

With respect to fan control, the interface microcomputer EX VINE (IC203: IF-1195 board) detects the rotating speed of the fan connected to the RE-307 board and outputs the fan voltage by the pulse width modulation (PWM) through communication with the system controller EMMA (IC1400: AVP-19 board).

External RAW Recording System

The RAW data sent from the video signal processor ROSETTA (IC0100: DPR-342 board) is transmitted by the 4-lane 5 Gbps high-speed differential signal, and is converted to a 2-lane 6 Gbps high-speed differential signal by the interface FPGA KAPA (IC100: HPR-44 board). The converted 2-lane signal is output from the external extended interface connector (CN105: IF-1195 board) through the EQ driver (IC102: IF-1195 board).

1-4-6. Audio Signal System

AXM-47 Board

The AXM-47 board contains an input 2-channel XLR-type 3-pin analog audio input connector. This board has a LINE/MIC switch for each channel.

Input analog audio signals (for 2 channels) are directly sent to the CN-3569 board.

This board is mounted on the supplied audio input connector.

CN-3569 Board

The CN-3569 board contains external microphone power supply switches for two channels, and also contains a connector (CN106) for connection to the unit.

This board relays signals that are input from the AXM-47 board to the CN-3530 board in the unit.

This board is mounted on the supplied audio input connector.

CN-3530 Board

The CN-3530 board contains the connector (CN106) for connection to the supplied audio input connector.

This board also contains an FET that switches the analog audio signal LINE from the CN-3569 board and the microphone reference level, and an amplifier (IC101, IC102). The selected analog audio signal is sent to the APR-94 board.

The serial audio signal is sent through this board directly to the APR-94 board.

APR-94 Board

Recording circuit

Several signals are input from the CN-3530 board to the APR-94 board through the FFC connector (CN103).

LINE and MIC attenuation switching is applied to the analog audio signal that is input from the CN-3530, and the analog audio signal is converted to a 2-channel serial digital audio signal by the A/D converter (IC105). The converted serial signal is input to the audio FPGA (IC301).

The audio FPGA (IC301) performs digital signal processing (including input signal selection), and then outputs digital signals to the audio DSP (IC501).

The audio DSP (IC501) performs digital signal processing (including Wind Filter, recording level adjustment, AGC/Limiter, and increase in gain), and then sends digital signals to the video signal processor ROSETTA (IC0100: DPR-342 board).

Replay circuit

The monitor output digital audio signal that is output from the video signal processor ROSETTA (IC0100: DPR-342 board) is input to the audio DSP (IC501) through the fine-wire coaxial connector (CN101).

Digital signal processing (including LR channel mixing and muting) is applied to the digital audio signal that is input to the audio DSP (IC501). Then the digital audio signal is output to the headphone/speaker amplifier (IC204) through the D/A converter (IC202) as an analog audio signal.

The beep signal that is output from the video signal processor ROSETTA (IC0100: DPR-342 board) is added to the analog audio signal in the headphone/speaker amplifier (IC204). Then the added signal is output to the HP-161 board.

HP-161 Board

The HP-161 board contains a headphone jack (CN104) to output analog audio signals.

The speaker output signal is sent from the connector (CN105) to the KY-686 board, and is output from the speaker connected to the connector (CN1006) on the KY-686 board.

DPR-342 Board

Recording circuit

The digital audio signal that is sent from the APR-94 board is input to the video signal processor ROSETTA (IC0100) in which digital signal processing (including generation of 1 kHz-SG, delay adjustment for EE and REC signals, muting, REC gain adjustment, and MUX processing) is applied, and then an EE signal and a REC signal are generated.

The EE signal is switched from the PB signal in IC0100 during recording, and is output.

The REC signal is output to the media processor DIABLO (IC100: AVP-19 board).

Replay circuit

The delay of the PB signal that is output from the media processor DIABLO (IC100: AVP-19 board) is adjusted by the video signal processor ROSETTA (IC0100), and then the PB signal passes through the EE signal switching circuit and receives digital signal processing (including monitor level adjustment and muting). The processed digital audio signal is output through the connector (CN2202) to the HDMI IC (IC0800: HIF-64 board) as a signal for HDMI output.

On the other hand, the SDI output serial digital audio signal receives digital signal processing (including multiplexing with the video signal) in the video signal processor ROSETTA (IC0100), and is then superimposed with the video signal.

The superimposed signal is output through the SDI interface.

The analog output serial digital audio signal is output to the audio DSP (IC501: APR-94 board).

The beep signal generated by the video signal processor ROSETTA (IC0100) is output to the headphone/speaker amplifier (IC204: APR-94 board).

1-4-7. System Control System

The AVP-19 board contains the system controller EMMA (IC1400) that incorporates ARM core.

This board contains a flash ROM (IC1601), an SDRAM (IC1500, IC1502), and a EEPROM (IC1803) as peripheral ICs.

The system controller EMMA (IC1400) is connected to the following processors to be controlled systematically.

- The video signal processor ROSETTA (IC0100: DPR-342 board) through parallel communication
- The media processor DIABLO (IC100: AVP-19 board) through serial communication

System Controller and Main Functions of Peripheral Devices

Reading switch information

The information of the switches mounted on the right side panel of the unit is transmitted through the CPLD (IC2000: KY-686 board) to the system controller EMMA (IC1400).

The information of the ASSIGN 4 (Assignable 4) switch and the LED is sent through the HIF-64 board to the VF VINE (IC2003) on the DPR-342 board, and is then sent to the system controller EMMA (IC1400).

RTC control

The present time can be set to and read from the RTC (IC1800) on the AVP-19 board. This RTC (IC1800) is backed up by the lithium battery on the KY-686 board.

Fan motor control

The fan motor revolution is controlled by the temperature information of the CMOS image sensor (IC1: BI-290/290A board) and by the temperature sensor (IC1802: AVP-19 board) of the unit.

Sub display control

The system controller EMMA (IC1400) creates data to be displayed on the sub display. Display data is sent through the KY-686 board to the FPGA (IC201) on the IF-1208 board and is displayed on the sub display.

SD card control

Connected to the SD card slot (CN1003: CN-3528 board), the system controller EMMA (IC1400) write data to and reads data from the SD card.

Power control

The power switch (S1000: PSW-99 board) information is sent through the KY-686 board to the power controller CHARON (IC2100: AVP-19 board).

The power controller CHARON (IC2100: AVP-19 board) monitors power supply status, supplies power to the RE-307 board, controls power supply sequence, and outputs a system reset.

1-4-8. Power Block

RE-307 Board

The RE-307 board aggregates the following three power input paths, outputs seven DC/DC converter signals, and outputs three UNREG signals.

- EXT input of the unit
- EXT input from the battery adapter
- Battery input from the battery adapter

If the EXT input and the battery input are detected at the same time, the EXT input is automatically selected for preferred use. Switching of these inputs is made without power interruption.

The EXT input has a reverse connection (“+”, “-”) protection circuit. In the case of incorrect insertion, input power is shut down and disconnected safely.

Input voltages are converted by DC/DC converters and the LDO. The following five voltages are output to the entire circuit of the unit, a voltage of +22 V is output to the lens, a voltage of +5 to 11 V (PWM variable) is output to the fan, and the input voltage is directly output to the viewfinder without being converted.

- Five voltages to be output to the entire circuit of the unit
 - EVER_3.3 V
 - +5 V_1
 - +5 V_2
 - +3.3 V
 - +2.5 V

Each voltage output has a short-circuit protection circuit. In the total short-circuit protection circuit of the unit, when a short-circuit occurs even in one channel, the entire power board is shut down. When a short-circuit occurs the lens, fan, or viewfinder, only the abnormal channel is shut down.

1-5. Service Tools/Measuring Equipment List

1-5-1. Service Tools

Part No.	Name	Usage/Note
J-6029-140-B	Pattern box PTB-500	Camera adjustment
J-6323-430-A	Torque screwdriver bit (M3)	Tightening screws
J-6325-110-A	Torque screwdriver bit (M1.4)	Tightening screws
J-6325-380-A	Torque screwdriver bit (M2)	Tightening screws
J-6325-400-A	Torque screwdriver (3 kg·cm) (0.3 N·m)	Tightening screws
J-6252-510-A	Torque screwdriver (6 kg·cm) (0.6 N·m)	Tightening screws
J-6252-520-A	Torque screwdriver (12 kg·cm) (1.2 N·m)	Tightening screws
J-6326-120-A	Hexagon bit (For torque screwdriver) (size 1.5)	Tightening screws
J-6394-080-A	Grayscale chart	Transparent type (16 : 9), Camera adjustment
3-292-755-01	XLR tool	For removing the XLR type connector
7-600-002-52	ThreeBond (TB-1401B)	For preventing screw from being loosened
Commercially available	Loctite (408)	Instant adhesives
Commercially available	Grayscale chart	Reflective type (16 : 9), Camera adjustment
Commercially available	Star chart	Reflective type, Camera adjustment

1-5-2. Measuring Equipment

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

Equipment	Name
Oscilloscope	Tektronix TDS3054 or equivalent (150 MHz or more)
HD waveform monitor	LEADER ELECTRONICS LV5152DA or equivalent
Frequency counter	Advantest TR5821AK or equivalent
Digital voltmeter	Advantest TR6845 or equivalent
Color monitor	Sony HDM-20E1U/14E1U/14E5U or equivalent
Luminance meter	Konica Minolta LS-110 or equivalent

1-6. Firmware Upgrade

Use the SD memory card that stores the upgrading data to upgrade the firmware for this unit.

Note

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

Equipment required

- SD memory card

Note

- For the type of SD memory card are available for this unit, refer to the operating instructions.
- Use the SD memory card formatted by the format function of this unit. For detail of the format function, refer to the operating instructions.

Checking Version

1. Check the current version with the Version of the System menu.

Note

For display and operation the System menu, refer to the operating instructions.

Preparation

1. Copy the upgrading data to the root folder of the SD memory card.

Procedure

1. Insert the SD memory card prepared in “Preparation”.
2. Press the MENU button to display the setup menu.
3. Select System, Version and Version Up with the SEL/SET dial.
4. The update confirmation screen appears and update starts.

Note

- There are two update progress phases to perform operations shown below.
 - 1) Phase 1: Stores the update file contained in the SD card in the unit.
 - 2) Phase 2: Starts update with the update file stored in the unit.
- Approximate time lapse and progress rate are displayed on the LCD monitor and the viewfinder during update. The REC lamp on the right side of the unit blinks at intervals of 1 Hz (1 second). When the update is completed, the REC lamp lights.

If an error occurs during update, the REC lamp blinks at intervals of 4 Hz (0.25 seconds).

Note

When information on the indication of progress or the REC indicator is being updated, approximate progress rate or blinking of the REC indicator may be interrupted.

5. When an update completion message appears, turn off and on the power of the unit.
6. Check that the version is correct with the Version of the System menu.

1-7. Periodic Maintenance and Inspection

1-7-1. Periodic Check/Replacement Parts List

This table does not describe the guarantee period of each part.

The replacement period of each part is changed according to the environment and condition.

Part to Be Replaced	Part No.	Check/Replacement Period
Lithium battery (CR2032)	△ 1-528-174-72	When the warning message is displayed on LCD monitor/viewfinder screen.
DC fan (30 square)	△ 1-855-292-11	About 5 years Note The total operating time is displayed with the Hours Meter in the System menu. For details, refer to the operating instructions.
Battery terminal (battery adapter)	1-820-459-21	About 5 years Note The total operating time is displayed with the Hours Meter in the System menu. For details, refer to the operating instructions.

1-7-2. Notes on Replacement of the Lithium Battery

The KY-686 board (inside panel assembly) is equipped with the lithium battery for time of the internal clock.

If the message “Back Up Battery End Please Change” appears in the LCD monitor or the viewfinder, this battery must be exchanged.

After replacing it, refer to “Setting the Clock” of the operating instructions, and set the date and time of the internal clock.

CAUTION

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

1-7-3. Notes on Replacement of the Battery Terminal

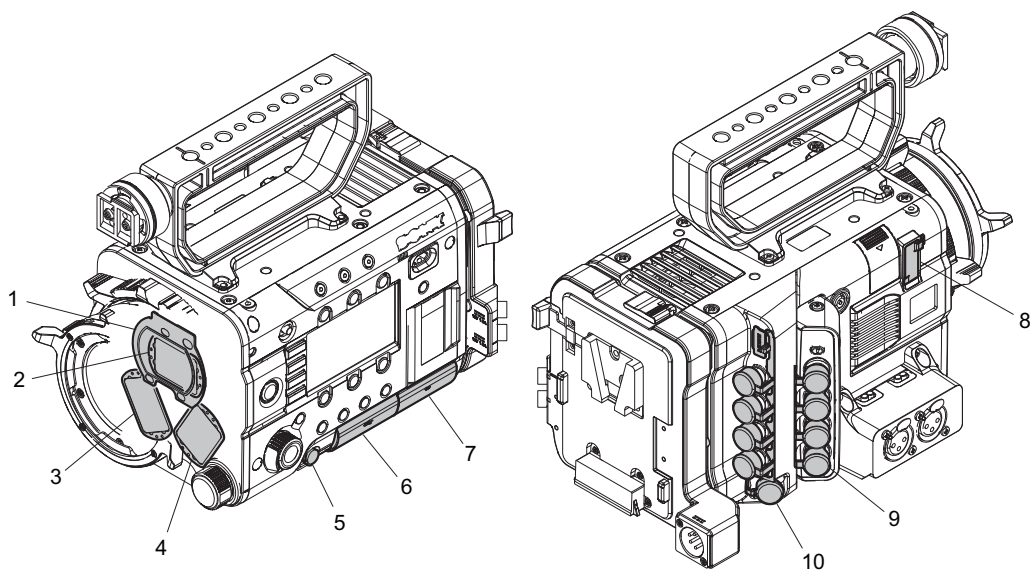
The battery connector in this unit is consumable parts. Replace every about 5 years.

If the terminal of connector is deformed or bends due to vibrations or shock, or if the surface of the terminal corrodes due to long-term outside use or other similar use, the unit may malfunction.

Replace the battery terminal immediately if the terminal is deformed or bends, or if the surface color changes.

1-7-4. Recommended Replacement Parts

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



No.	Part Name	Part No.	Recommended Replacement Timing
1	Optical filter unit	1-856-508-11	It can become nebulous (in transparent and whitened) with elapse of time. Then it will not meet it the required characteristics. Replace it as needed.
2	Optical filter (CLEAR)	1-856-509-11	
3	Optical filter (ND 0.9)	1-856-510-11	
4	Optical filter (ND 1.8)	1-856-511-11	
5	HP cap	4-458-663-01	Check for deformation and deterioration (abraded or damaged or lost) from time to time. Replace it as necessary.
6	Cover inside A	4-458-664-01	
7	Cover inside B	4-458-665-01	
8	VF cap	4-458-567-01	
9	BNC cap	4-458-860-02	
10	Outside cap	4-458-560-01	

1-8. Circuit Protection Parts

1-8-1. Fuse and IC Link Replacement

WARNING

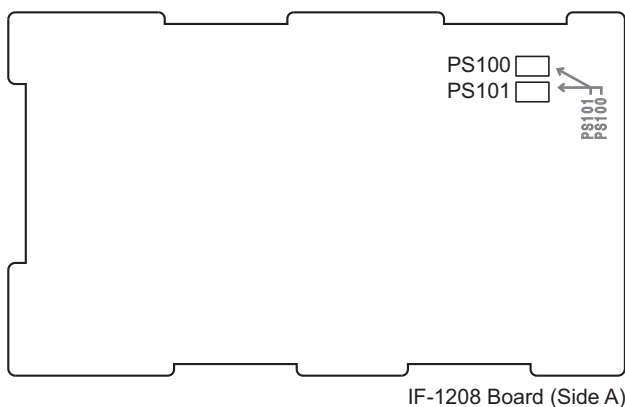
Fuses and IC links are essential parts for safe operation. Be sure to use the parts specified in this manual. Replacing any fuse or IC link with an unspecified one may cause fire or electric shock.

CAUTION

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

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

Board Name	Ref.No.	Address	Part No.	Rating
DC-166 board	F001	A-1 (Side B)	△1-576-566-21	15 A/65 V
IF-1208 board	PS100	Refer to the figure below	△1-576-122-21	0.4 A/72 V
	PS101	Refer to the figure below	△1-576-122-21	0.4 A/72 V
RE-307 board	F101	A-1 (Side B)	△1-576-566-21	15 A/65 V



1-8-2. Circuit Protection Element

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

The positive-characteristic thermistor limits the electric current flowing through the circuit as the internal resistance increases when an excessive current flows or when the ambient temperature increases.

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

Board Name	Ref. No.	Address	Part No.	Hold Current
CN-3528 board	THP100	B-1 (Side A)	△ 1-802-063-21	0.10 A/20 °C
DC-166 board	THP001	A-2 (Side A)	△ 1-771-845-21	0.20 A/20 °C

Continued

Board Name	Ref. No.	Address	Part No.	Hold Current
HIF-64 board	TH1300	B-4 (Side B)	△ 1-802-063-21	0.10 A/20 °C
RE-307 board	THP101	A-1 (Side A)	△ 1-771-845-21	0.20 A/20 °C
	THP301	B-1 (Side B)	△ 1-802-063-21	0.10 A/20 °C
	THP302	C-1 (Side B)	△ 1-802-063-21	0.10 A/20 °C
	THP303	C-1 (Side B)	△ 1-803-615-21	0.50 A/20 °C

1-9. Note on Service

1-9-1. Actions to Be Taken when Replacing Parts and Boards

The parts that have not been described to this section are described in [“2. Replacement of Main Parts”](#).

Before Replacement and After Replacement

Before replacing parts and boards, store the user data in the SD memory card. After replacing, read the user data that was stored.

Equipment required

- SD memory card

Note

- For the type of SD memory card are available for this unit, refer to the operating instructions.
- Use the SD memory card formatted by the format function of this unit. For detail of the format function, refer to the operating instructions.

Procedure

1. Insert the SD memory card prepared to the SD card slot on this unit right side.
2. Press the MENU button to display the setup menu.
3. Select File, All File and Save SD Card with the SEL/SET dial.
4. Replace parts and boards.
5. Press the MENU button to display the setup menu.
6. Select File, All File and Load SD Card with the SEL/SET dial.

During Replacement

Replacing the Front Block (BI-290/290A Board)

Note

The BI-290/290A board cannot be replaced on the board-level service. It is an action when the front block panel assembly is replaced.

In the DPR-342 board, the camera adjustment data is stored. When replacing this, perform the following adjustments.

- [“5-2. White Shading Adjustment”](#)
- [“5-3. Black Shading Adjustment”](#)
- [“5-4. RPN Compensation”](#)

Replacing the DPR-342 Board

In the DPR-342 board, the camera adjustment data and master clock adjustment data are stored. When replacing this, perform the following adjustments.

- [“5-2. White Shading Adjustment”](#)
- [“5-3. Black Shading Adjustment”](#)
- [“5-4. RPN Compensation”](#)
- [“5-5. Master Clock Adjustment”](#)

Replacing the HIF-64 Board

In the HIF-64 board, the master clock generating circuit is contained. When replacing this, perform the following adjustments.

- [“5-5. Master Clock Adjustment”](#)

Replacing the AVP-19 Board

In the AVP-19 board, the model-specific data is stored. When replacing this, contact your local Sony Sales Office/Service Center.

1-9-2. Actions to Be Taken when the Lens Has Been Replaced

When the lens has been replaced, make the flange-back adjustment.

Adjust the flange focal length by turning the screw for the flange focal length. For detail, refer to the operating instructions.

1-9-3. Description of Number Seal on the Prism

The number seal is put in the prism unit, the serial number of prism unit. Every prism unit has its own number called prism serial number.

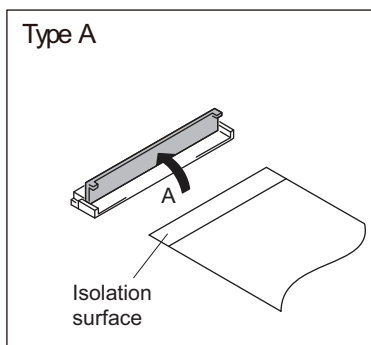
1-10. Flexible Card Wire and Coaxial Cable

1-10-1. Disconnecting/Connecting Flexible Card Wire

Notes

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

Type A



Disconnecting

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

Connecting

1. Slide or lift up the portion A in the direction of the arrow and securely insert the flexible card wire into the deep end of the connector.
2. Return the portion A to its original position and lock the connector.

1-10-2. Disconnecting/Connecting Fine-Wire Coaxial Cable

Notes

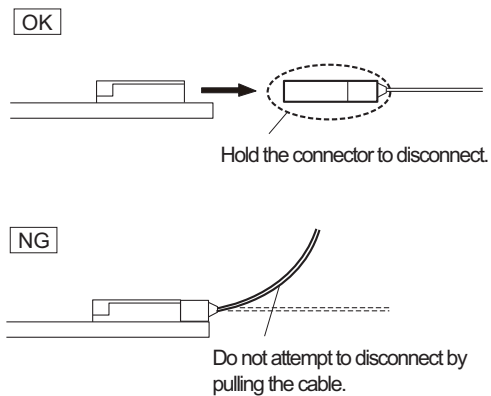
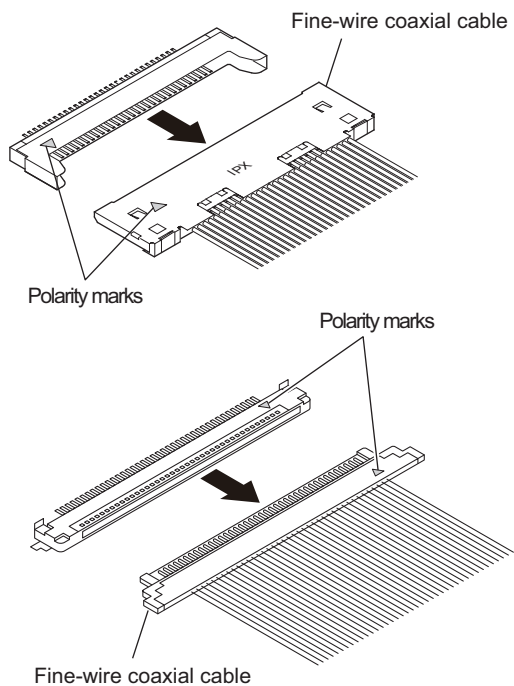
- Be very careful when handling the fine-wire coaxial cable so that fine wires are not disconnected.
- When disconnecting the fine-wire coaxial cable, be sure to hold the connector. Do not attempt to pull the cable.
- Check that the contact surface of the fine-wire coaxial cable connector is free from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

Type A

Hold the cable connector, match the polarity marks, and connect or disconnect the fine-wire coaxial cable horizontally.

Note

When connecting the fine-wire coaxial cable, insert the cable connector straight and firmly as far as it will go.

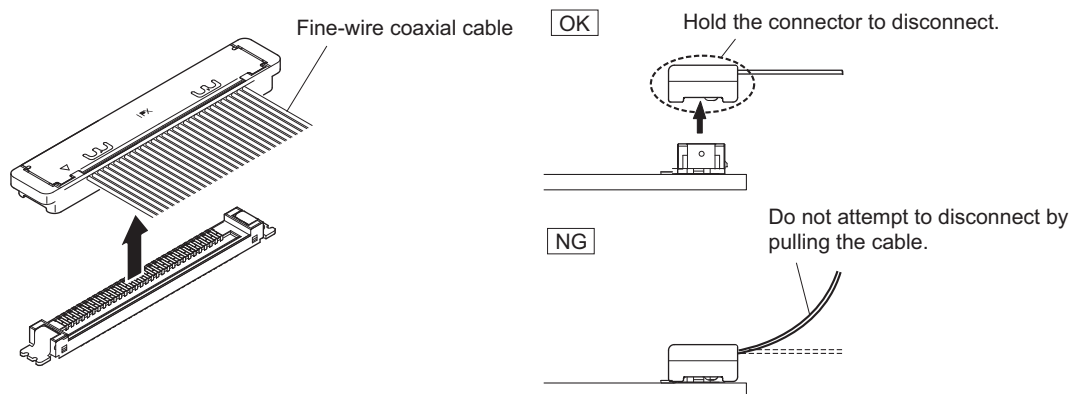


Type B

Connect or disconnect the fine-wire coaxial cable vertically while holding the cable connector.

Note

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



1-11. Lead-free Solder

All boards mounted in this unit use lead-free solder. Be sure to use lead-free solder when repairing the boards of this unit. A lead free mark (LF) indicating that the solder contains no lead is printed on each board. (Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)



: LEAD FREE MARK

Notes

- The lead-free solder melts at a temperature about 40 °C higher than the ordinary solder, therefore, it is recommended to use the 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. Torque Screwdriver and Screw Tightening Torque

When tightening screws, always use a torque screwdriver and tighten screws to the specified tightening torque.

Tightening torque

- For M1.4 Phillips screws : $0.08 \pm 0.01 \text{ N} \cdot \text{m}$
- For M2 Phillips screws : $0.18 \pm 0.03 \text{ N} \cdot \text{m}$
- For M2.6 Phillips screws : $0.53 \pm 0.07 \text{ N} \cdot \text{m}$

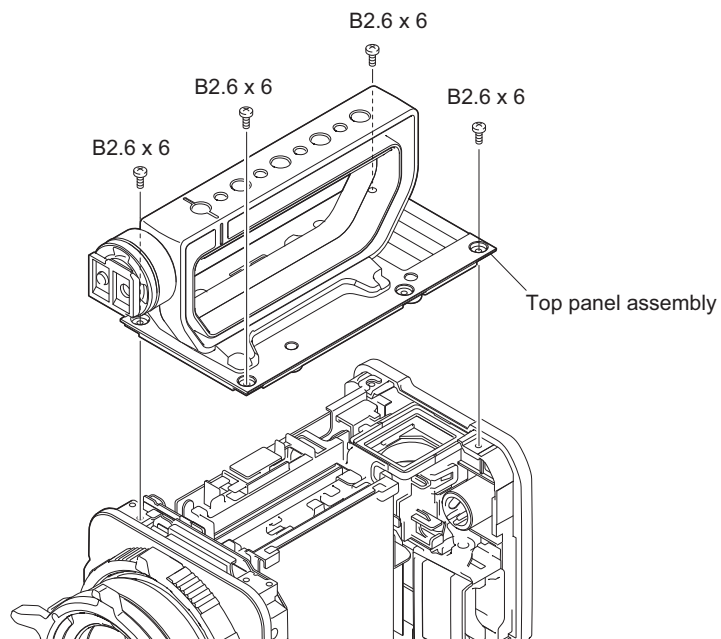
2-2. Top Panel Assembly

Preparation

1. Remove the inside panel assembly. (Refer to “[2-3. Inside Panel Assembly](#)”.)
2. Remove the outside panel assembly. (Refer to “[2-9. Outside Panel Assembly](#)”.)

Procedure

1. Remove the four screws to detach the top panel assembly.

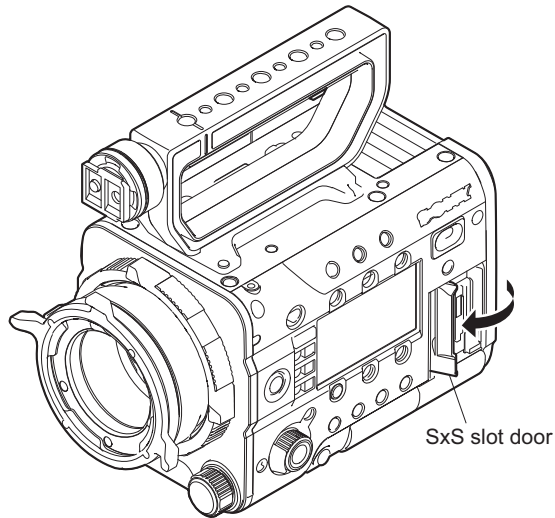


2. Install the removed parts by reversing the steps of removal.

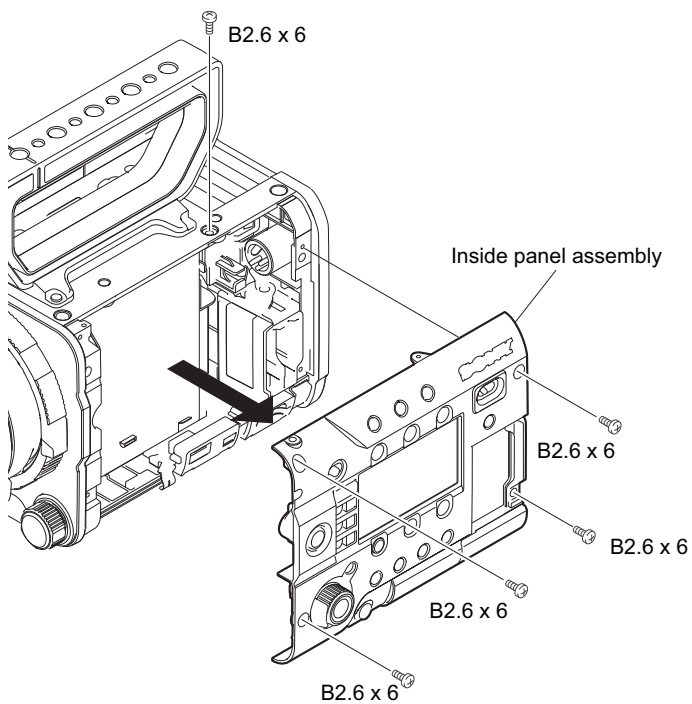
2-3. Inside Panel Assembly

Procedure

1. Open the SxS slot door.

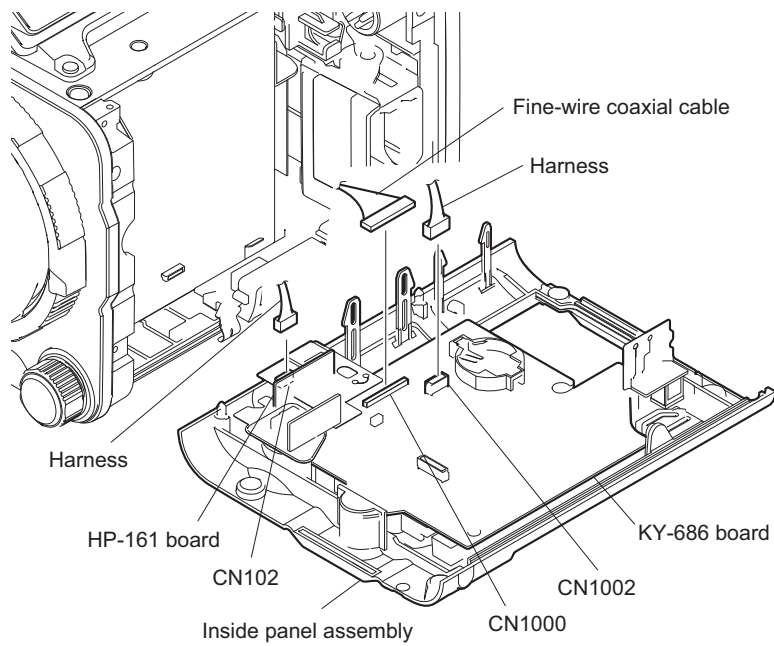


2. Remove the five screws and open the inside panel assembly horizontally.



3. Disconnect the fine-wire coaxial cable from the connector (CN1000) on the KY-686 board.
4. Disconnect the harness from the connector (CN1002) on the KY-686 board.

5. Disconnect the harness from the connector (CN102) on the HP-161 board to detach the inside panel assembly.



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

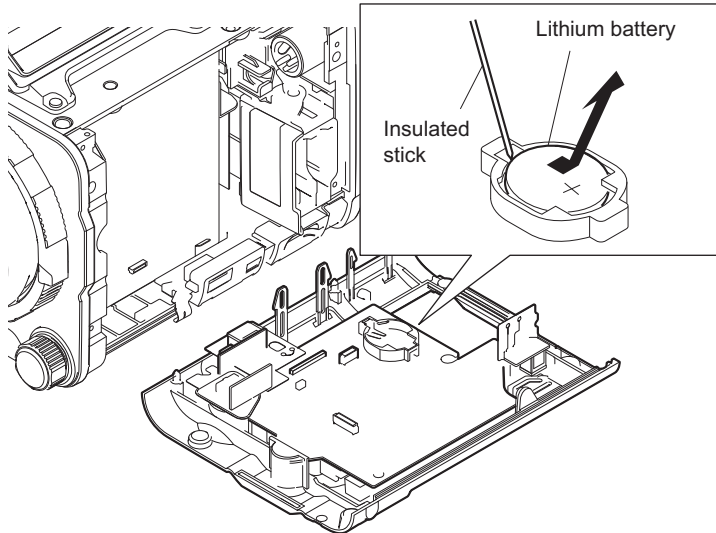
2-4. Lithium Battery

Preparation

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

Procedure

1. Remove the lithium battery with an insulated stick.



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

2-5. KY-686 Board

Preparation

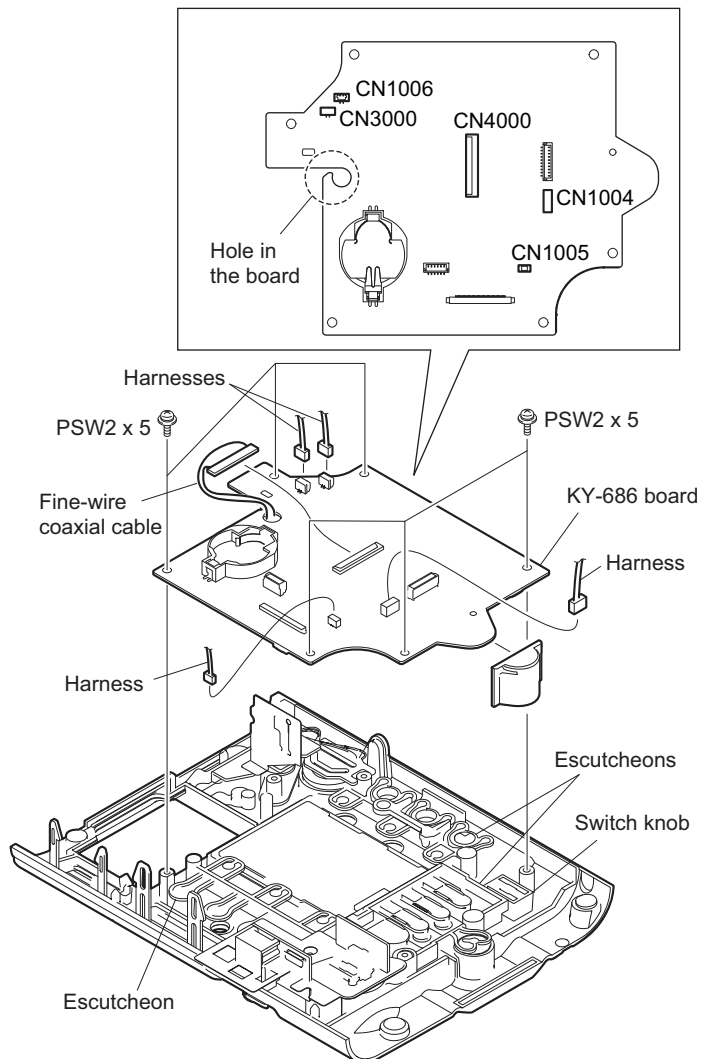
1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)

Procedure

1. Disconnect the fine-wire coaxial cable from the connector (CN4000) on the KY-686 board, and pull it out of the hole in the board.
2. Disconnect the harnesses from the four connectors (CN3000, CN1004, CN1005, CN1006) on the KY-686 board.
3. Remove the six screws to detach the KY-686 board.

Note

Pay attention so that the unfixed switch knob or any escutcheon does not fall.



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

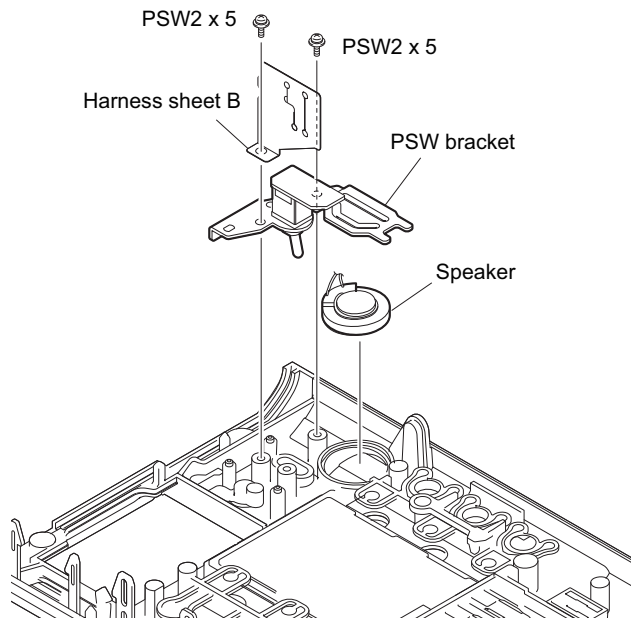
2-6. Speaker

Preparation

1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the KY-686 board. (Refer to “2-5. KY-686 Board”.)

Procedure

1. Remove the two screws to the PSW bracket and the harness sheet B.
2. Detach the speaker.



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

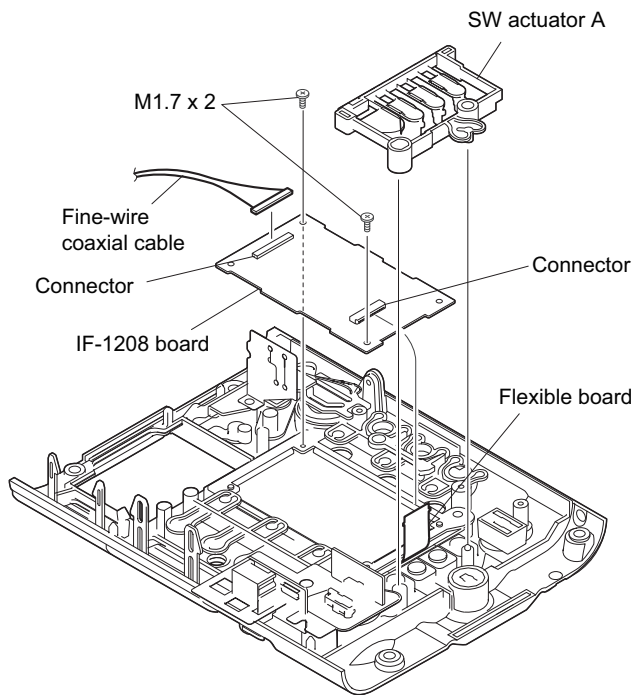
2-7. IF-1208 Board

Preparation

1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the KY-686 board. (Refer to “2-5. KY-686 Board”.)

Procedure

1. Detach the SW actuator A.
2. Disconnect the fine-wire coaxial cable from the connector on the IF-1208 board.
3. Disconnect the flexible board from the connector on the IF-1208 board.
4. Remove the two screws to detach the IF-1208 board.



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

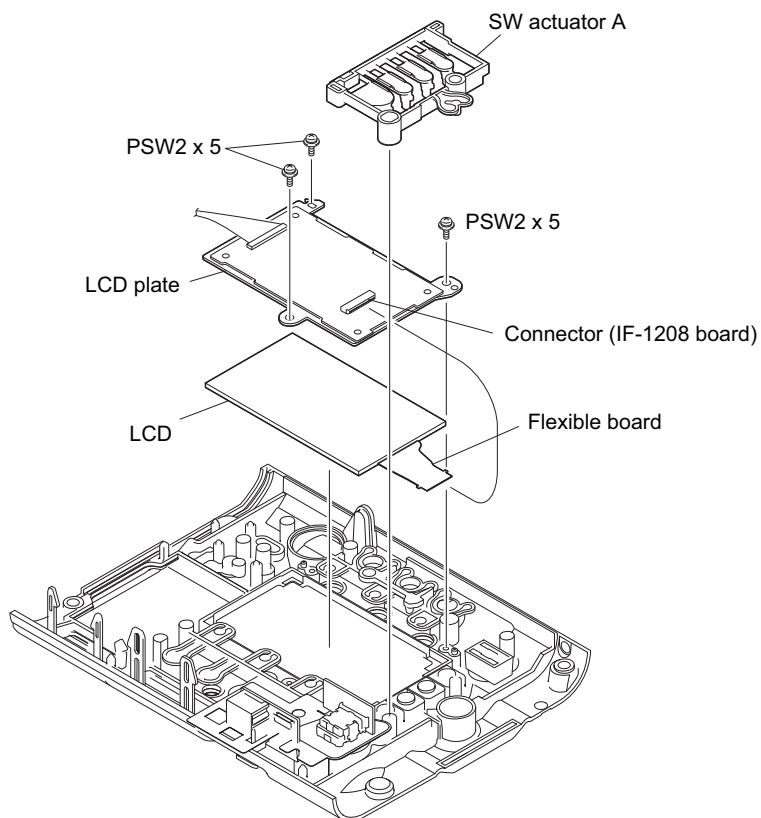
2-8. LCD

Preparation

1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the KY-686 board. (Refer to “2-5. KY-686 Board”.)

Procedure

1. Detach the SW actuator A.
2. Disconnect the flexible board from the connector on the IF-1208 board.
3. Remove the three screws to detach the LCD plate.
4. Detach the LCD.

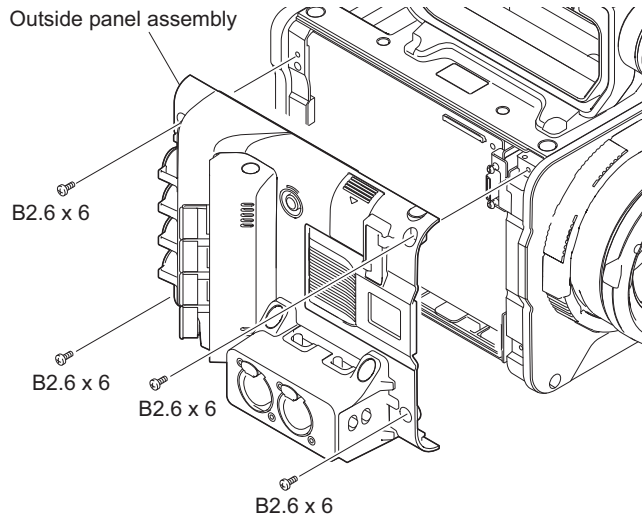


5. Install the removed parts by reversing the steps of removal.

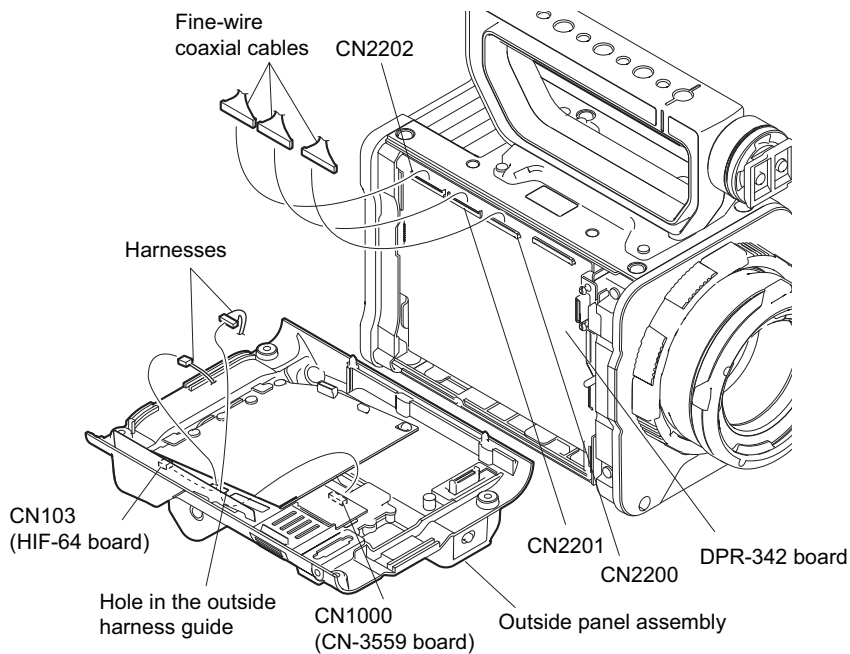
2-9. Outside Panel Assembly

Procedure

1. Remove the four screws to detach the outside panel assembly.



2. Disconnect the fine-wire coaxial cables from the three connectors (CN2200, CN2201, CN2202) on the DPR-342 board.
3. Disconnect the two harnesses from the connector (CN103) on the HIF-64 board and the connector (CN1000) on the CN-3559 board, and pull the harnesses out of the hole in the outside harness guide.
4. Detach the outside panel assembly.

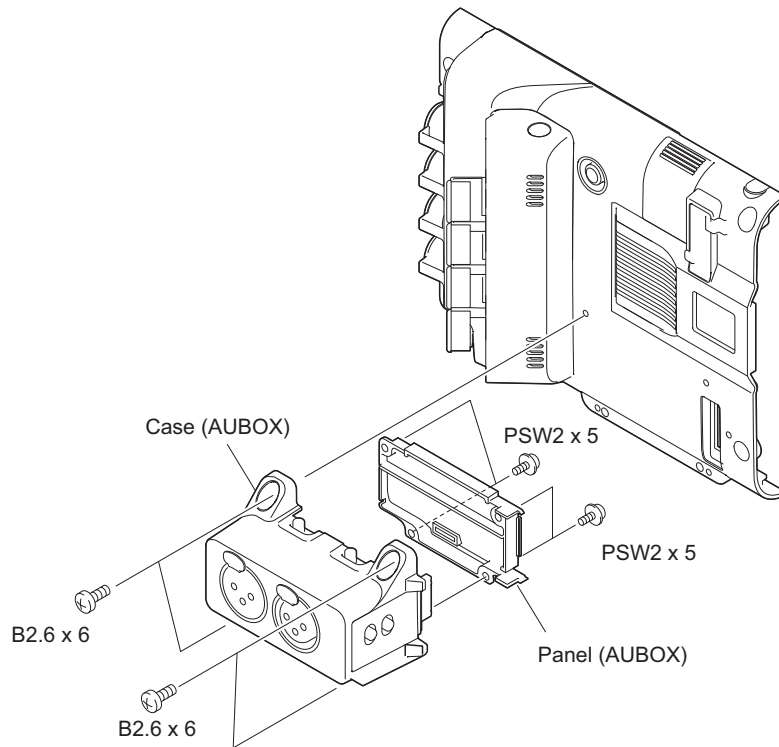


5. Install the removed parts by reversing the steps of removal.

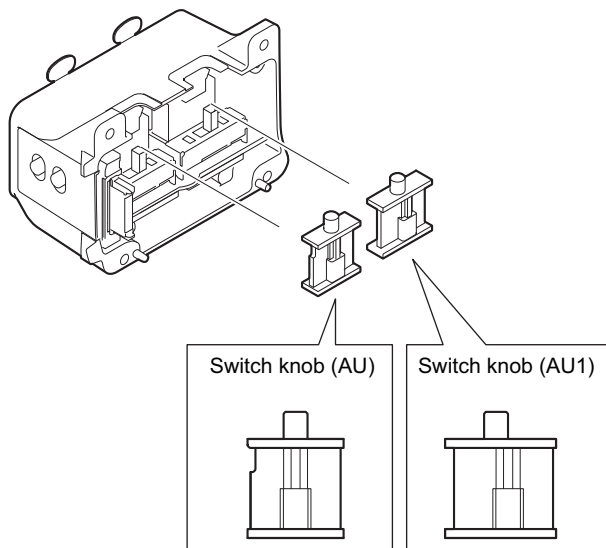
2-10. AXM-47 Board and CN-3569 Board

Procedure

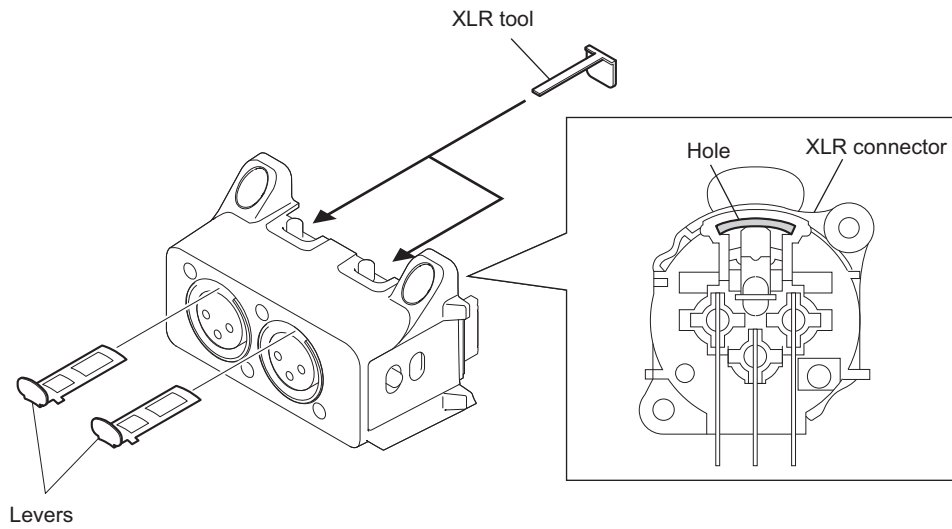
1. Remove the four screws (B2.6 x 6) to detach the case (AUBOX.)
2. Remove the four screws (PSW2 x 5) to detach the panel (AUBOX.)



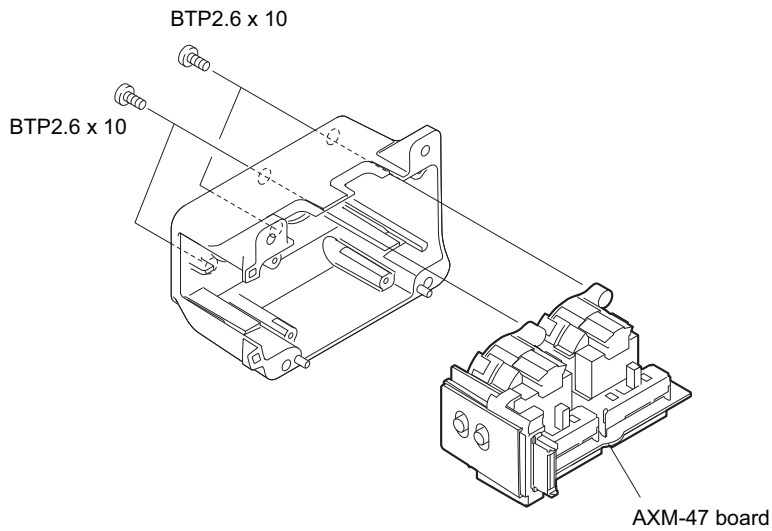
3. Detach the switch knob (AU) and switch knob (AU1.)



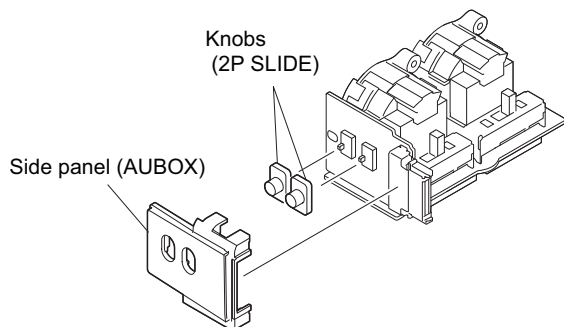
4. Insert the XLR tool into the hole in the XLR connector to detach the two levers.



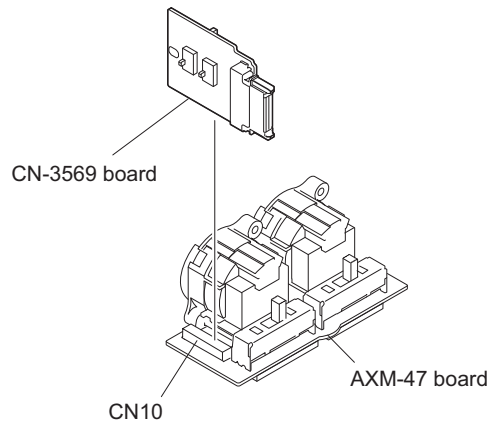
5. Remove the four tapping screws (BTP2.6 x 10) to detach the AXM-47 board.



6. Detach the two knobs (2P SLIDE) and side panel (AUBOX.)



7. Disconnect the CN-3569 board from the connector (CN10) on the AXM-47 board.

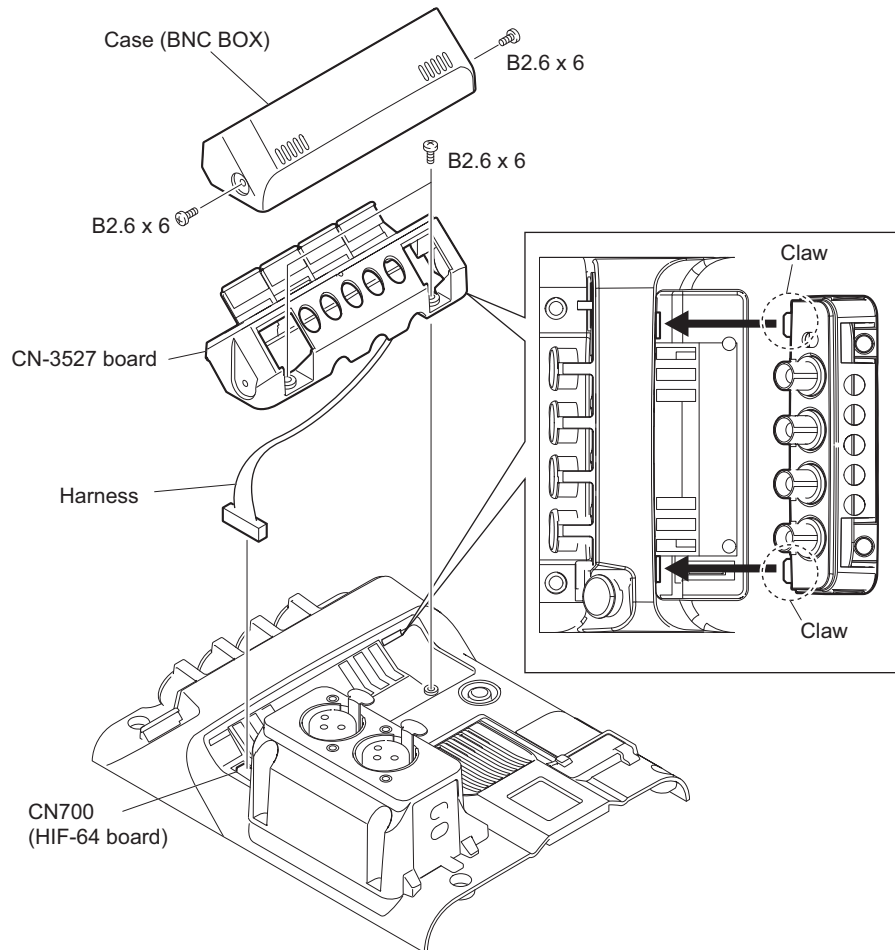


8. Install the removed parts by reversing the steps of removal.

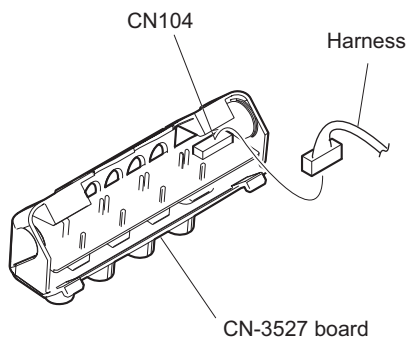
2-11. CN-3527 Board

Procedure

1. Remove the two screws to detach the case (BNC BOX.)
2. Remove the two screws and remove the CN-3527 board while disengage the claws.
3. Disconnect the harness from the connector (CN700) on the HIF-64 board.



4. Disconnect the harness from the connector (CN104) on the CN-3527 board.



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

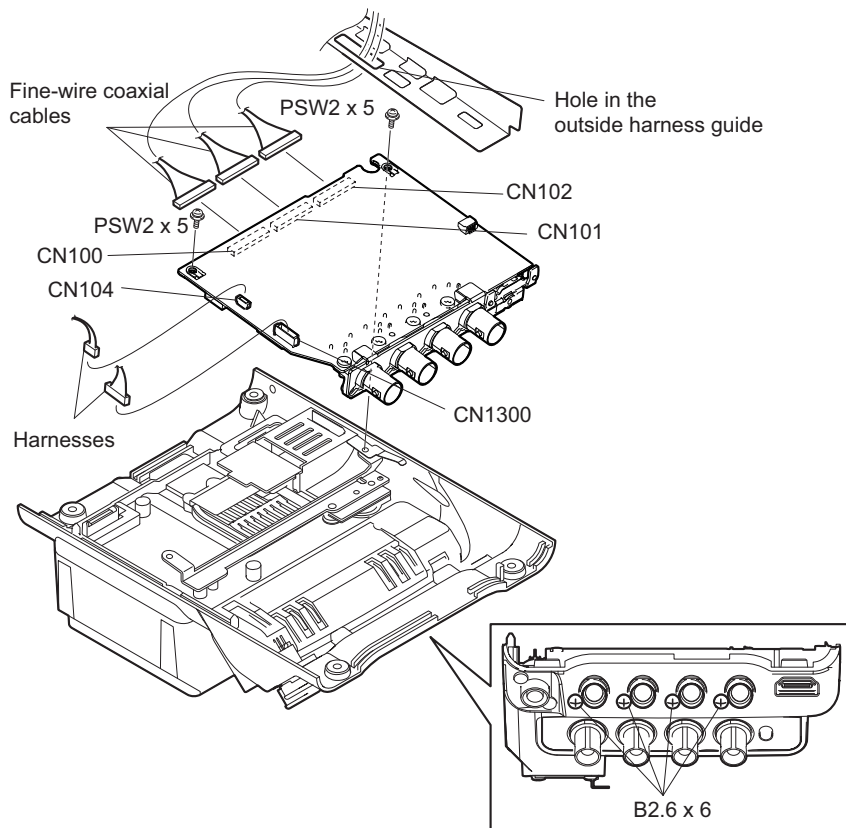
2-12. HIF-64 Board

Preparation

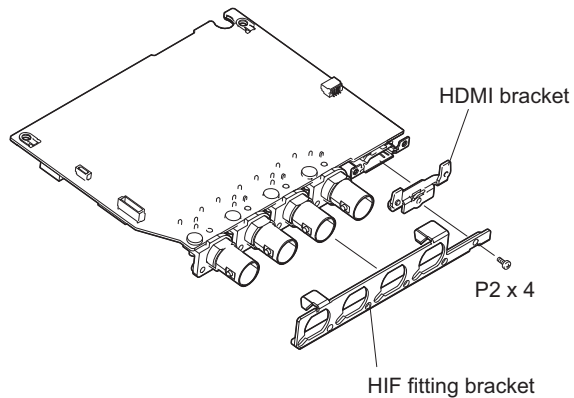
1. Remove the outside panel assembly. (Refer to “2-9. Outside Panel Assembly”.)
2. Remove the CN-3527 board. (Refer to “2-11. CN-3527 Board”.)

Procedure

1. Pull the fine-wire coaxial cables out of the hole in the outside harness guide.
2. Remove the two screws (PSW2 x 5) and four screws (B2.6 x 6.)
3. Remove the harnesses from the two connectors (CN104, CN1300).
4. Disconnect the fine-wire coaxial cables from the three connectors (CN100, CN101, CN102).



5. Remove the screw (P2 x 4) to detach the HIF fitting bracket and HDMI bracket.



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

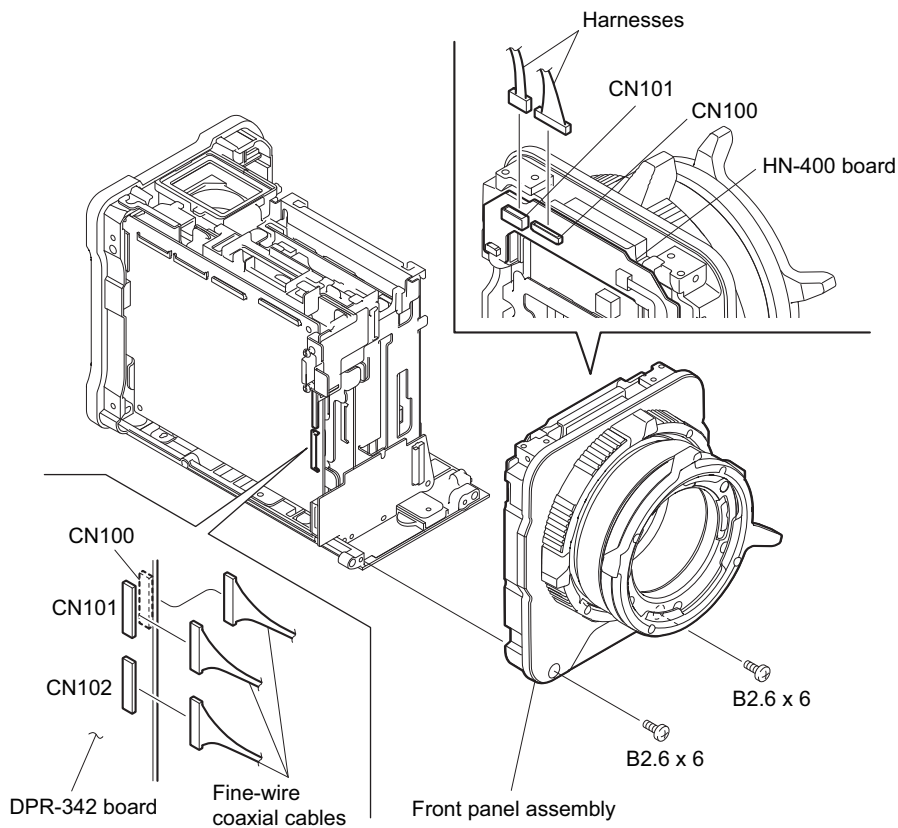
2-13. Front Panel Assembly

Preparation

1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-9. Outside Panel Assembly”.)
3. Remove the top panel assembly. (Refer to “2-2. Top Panel Assembly”.)

Procedure

1. Remove the two screws.
2. Disconnect the three fine-wire coaxial cables from the three connectors (CN100, CN101, CN102) on the DPR-342 board.
3. Disconnect the harnesses from the two connectors (CN100, CN101) on the HN-400 board to detach the front panel assembly.



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

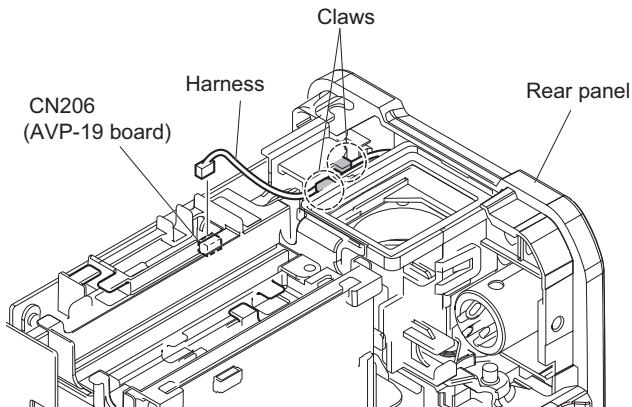
2-14. Rear Panel Assembly

Preparation

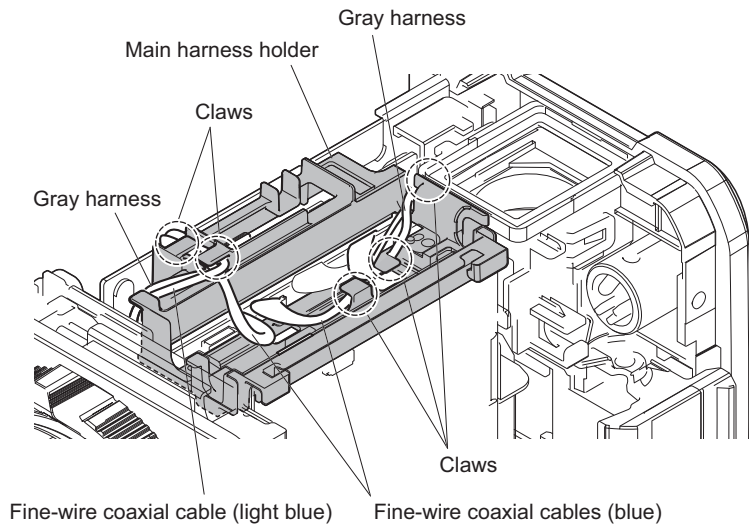
1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-9. Outside Panel Assembly”.)
3. Remove the top panel assembly. (Refer to “2-2. Top Panel Assembly”.)

Procedure

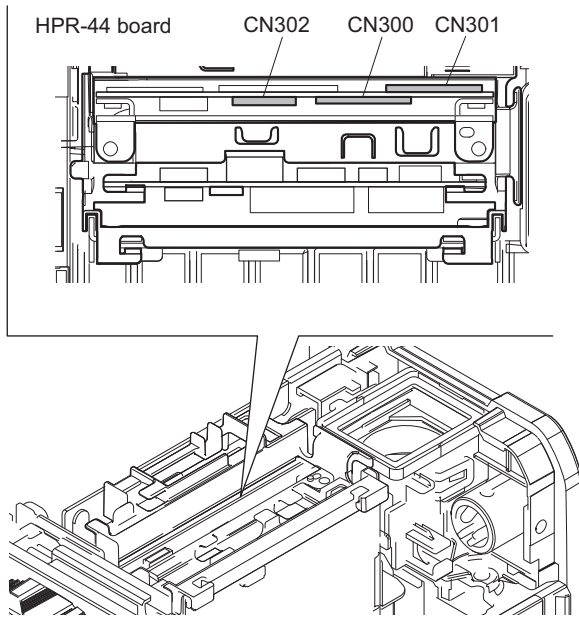
1. Disconnect the harness from the connector (CN206) on the AVP-19 board and release the harness from the two claws.



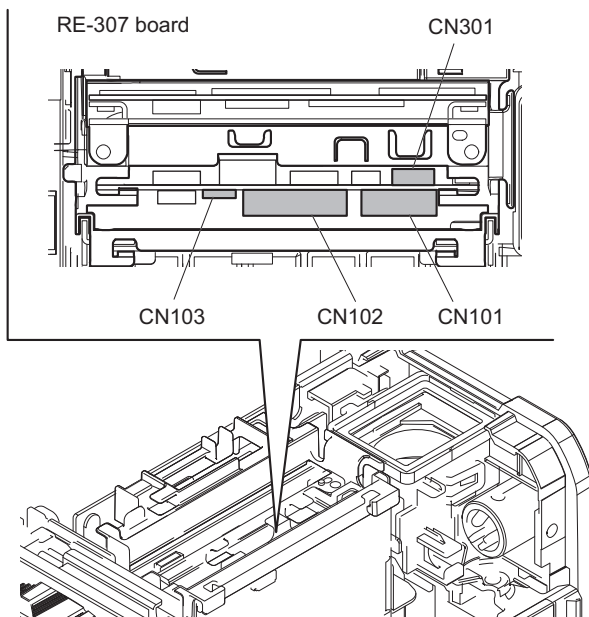
2. Release the harnesses and the fine-wire coaxial cables from the five claws on the main harness holder.



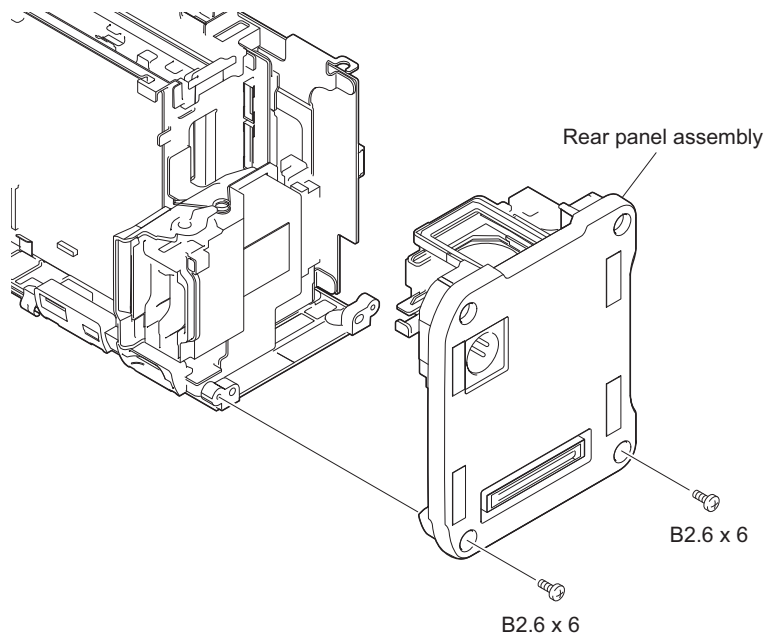
3. Disconnect the harnesses from the three connectors (CN300, CN301, CN302) on the HPR-44 board.



4. Disconnect the harnesses from the four connectors (CN101, CN102, CN103, CN301) on the RE-307 board.



5. Remove the two screws to detach the rear panel assembly.



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

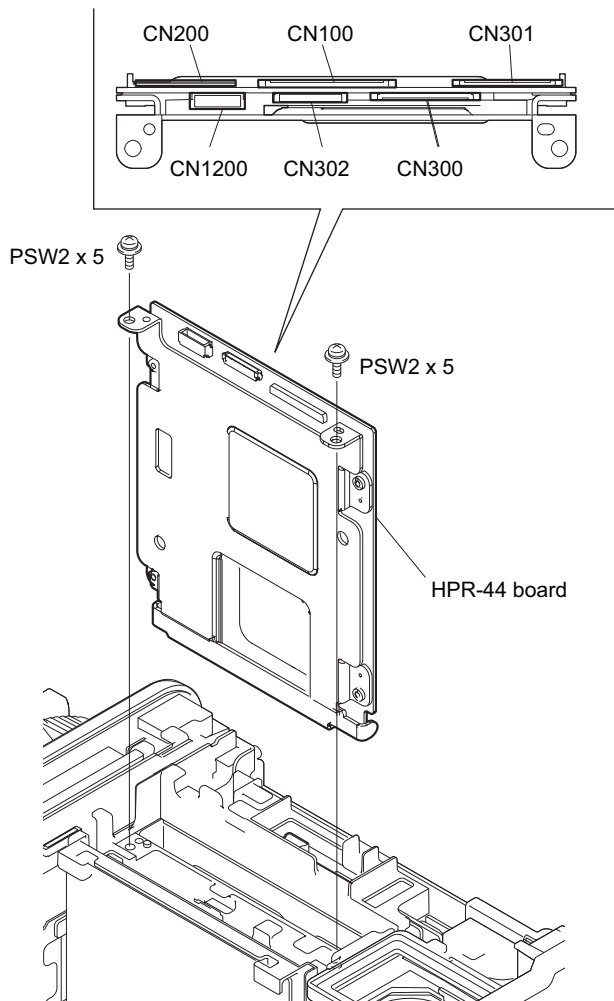
2-15. HPR-44 Board

Preparation

1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-9. Outside Panel Assembly”.)
3. Remove the top panel assembly. (Refer to “2-2. Top Panel Assembly”.)
4. Release the harnesses from the five claws on the main harness holder. (Refer to “2-14. Rear Panel Assembly”.)

Procedure

1. Disconnect the harnesses from the six connectors (CN100, CN200, CN300, CN301, CN302, CN1200).
2. Remove the two screws to detach the HPR-44 board.



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

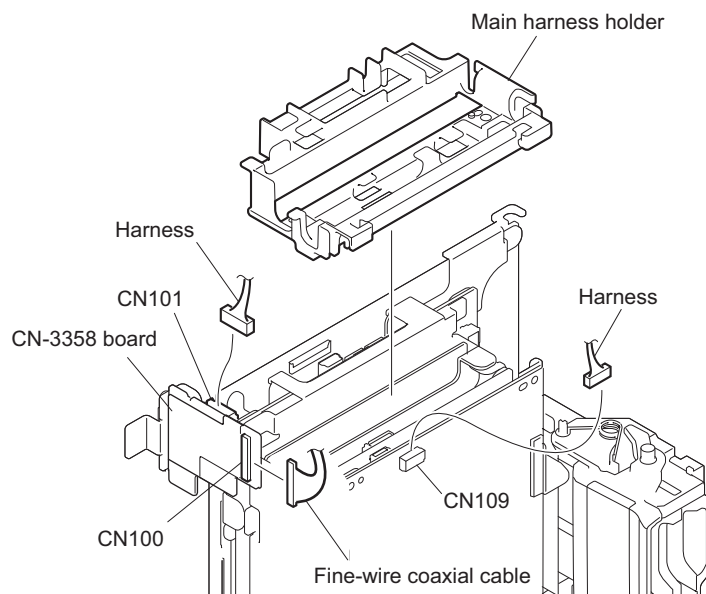
2-16. APR-94 Board

Preparation

1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-9. Outside Panel Assembly”.)
3. Remove the top panel assembly. (Refer to “2-2. Top Panel Assembly”.)
4. Remove the front panel assembly. (Refer to “2-13. Front Panel Assembly”.)
5. Remove the rear panel assembly. (Refer to “2-14. Rear Panel Assembly”.)
6. Remove the HPR-44 board. (Refer to “2-15. HPR-44 Board”.)

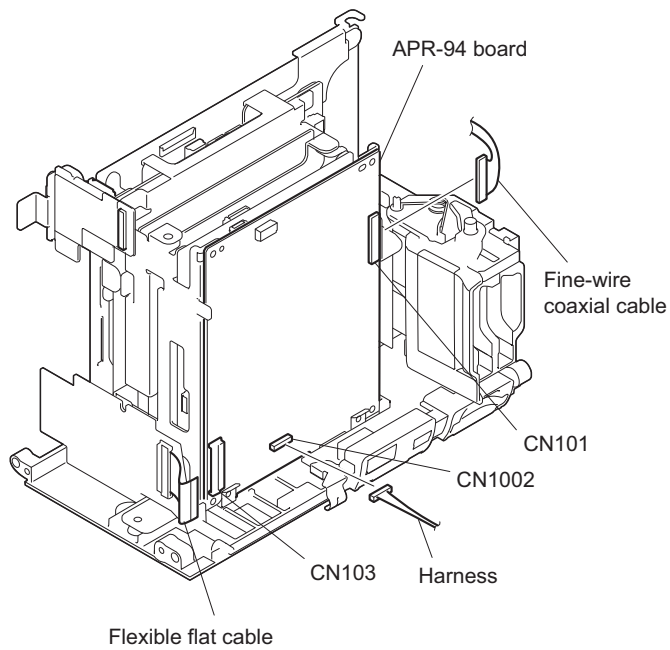
Procedure

1. Disconnect the harness from the connector (CN109).
2. Disconnect the harness and fine-wire coaxial cable from the two connectors (CN100, CN101) on the CN-3358 board.
3. Detach the main harness holder.

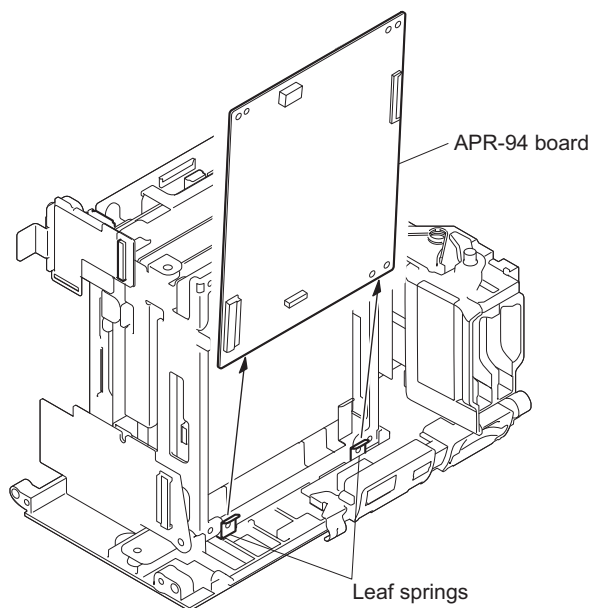


4. Disconnect the flexible flat cable from the connector (CN103).

5. Disconnect the harness and fine-wire coaxial cable from the two connectors (CN101, CN1002).



6. Detach the APR-94 board from the leaf springs in the direction of arrow.



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

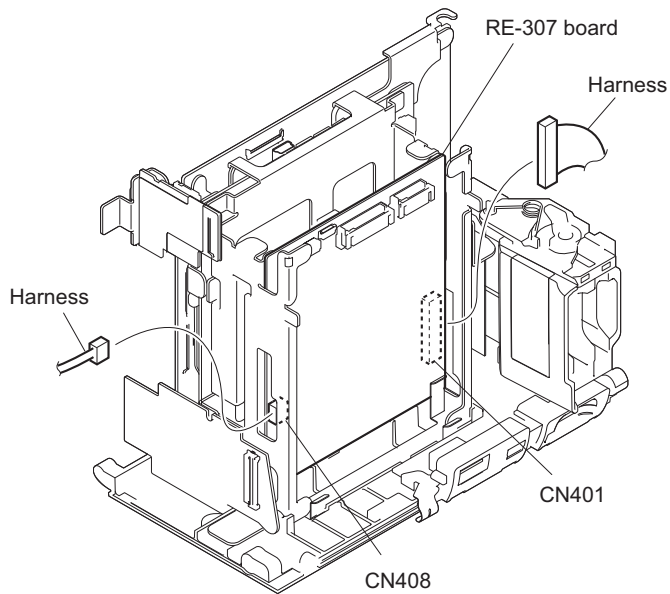
2-17. RE-307 Board

Preparation

1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-9. Outside Panel Assembly”.)
3. Remove the top panel assembly. (Refer to “2-2. Top Panel Assembly”.)
4. Remove the front panel assembly. (Refer to “2-13. Front Panel Assembly”.)
5. Remove the rear panel assembly. (Refer to “2-14. Rear Panel Assembly”.)
6. Remove the APR-94 board. (Refer to “2-16. APR-94 Board”.)

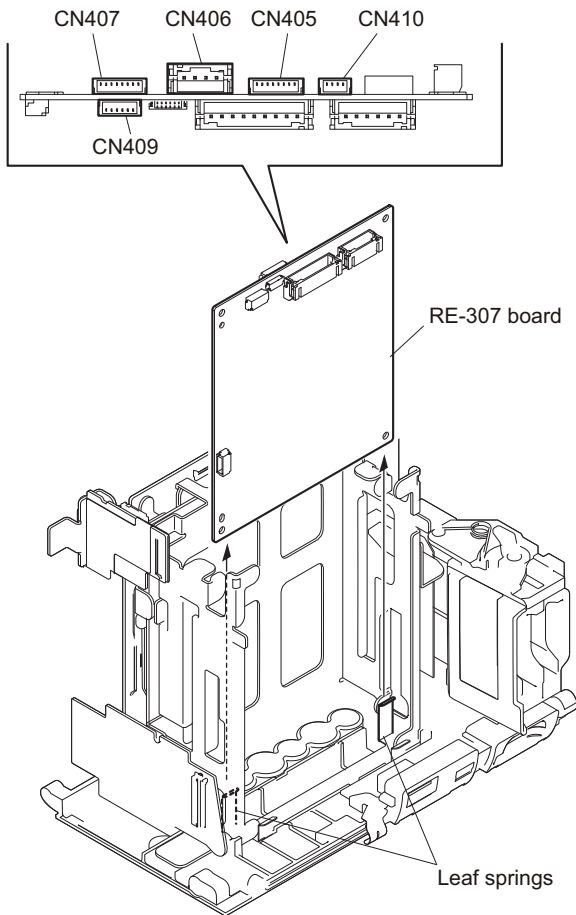
Procedure

1. Disconnect the harnesses from the two connectors (CN4001, CN408).



2. Detach the RE-307 board from the leaf springs in the direction of arrow.

3. Disconnect the harnesses from the five connectors (CN405, CN406, CN407, CN409, CN410) on the RE-307 board.



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

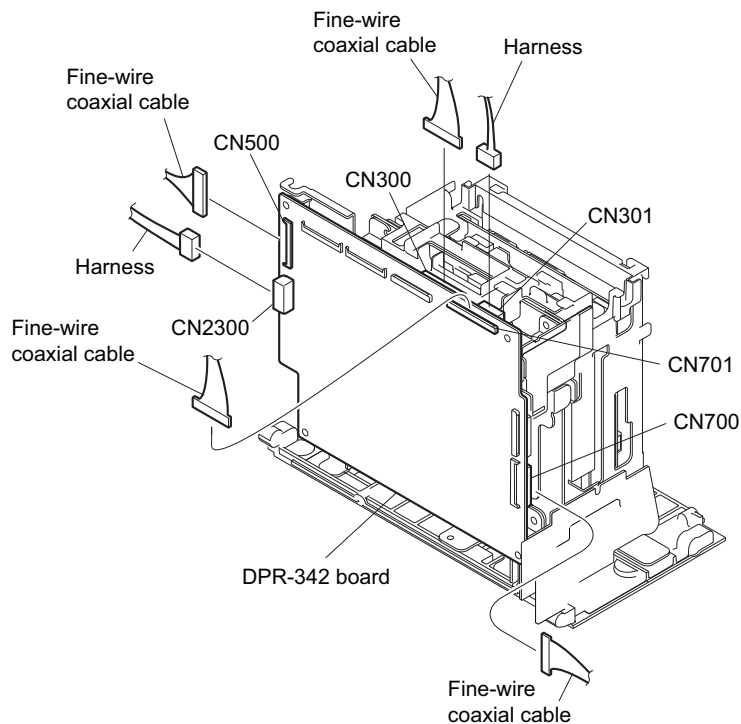
2-18. DPR-342 Board

Preparation

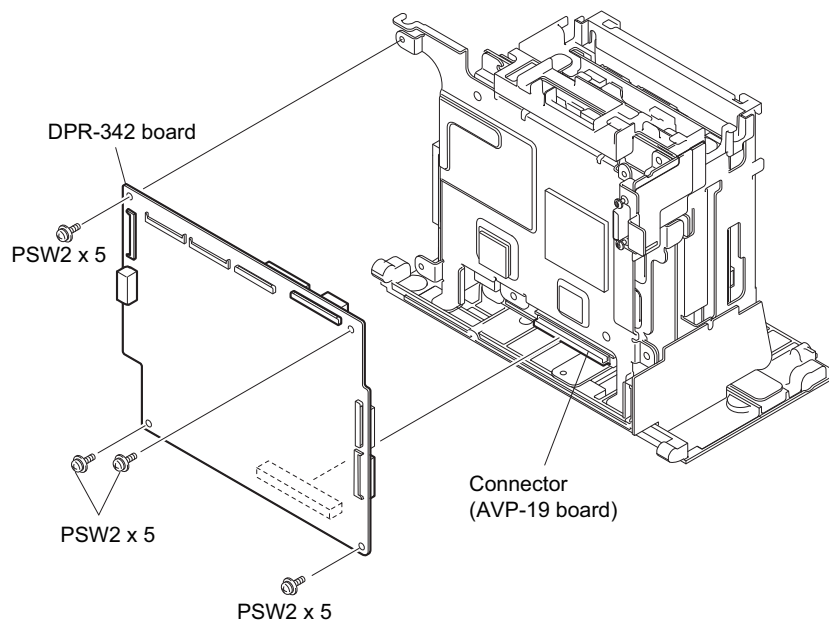
1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-9. Outside Panel Assembly”.)
3. Remove the top panel assembly. (Refer to “2-2. Top Panel Assembly”.)
4. Remove the front panel assembly. (Refer to “2-13. Front Panel Assembly”.)
5. Remove the rear panel assembly. (Refer to “2-14. Rear Panel Assembly”.)

Procedure

1. Disconnect the harnesses from the two connectors (CN301, CN2300).
2. Disconnect the fine-wire coaxial cables from the four connectors (CN300, CN500, CN700, CN701).



3. Remove the four screws, and then disconnect the DPR-342 board from the connector on the AVP-19 board.



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

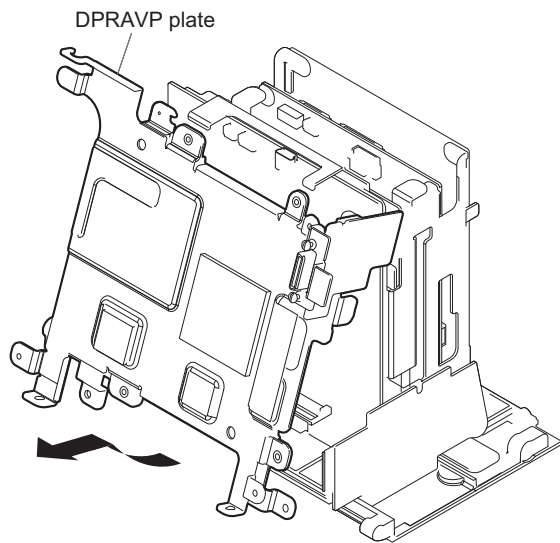
2-19. AVP-19 Board

Preparation

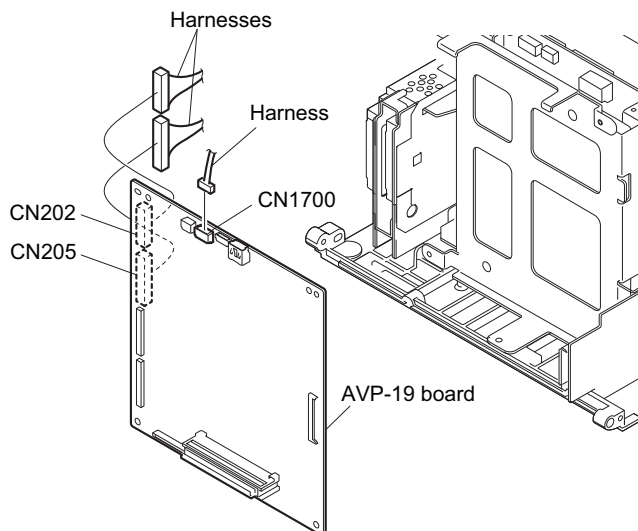
1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-9. Outside Panel Assembly”.)
3. Remove the top panel assembly. (Refer to “2-2. Top Panel Assembly”.)
4. Remove the front panel assembly. (Refer to “2-13. Front Panel Assembly”.)
5. Remove the rear panel assembly. (Refer to “2-14. Rear Panel Assembly”.)
6. Remove the main harness holder. (Refer to “2-16. APR-94 Board”.)
7. Remove the DPR-342 board. (Refer to “2-18. DPR-342 Board”.)

Procedure

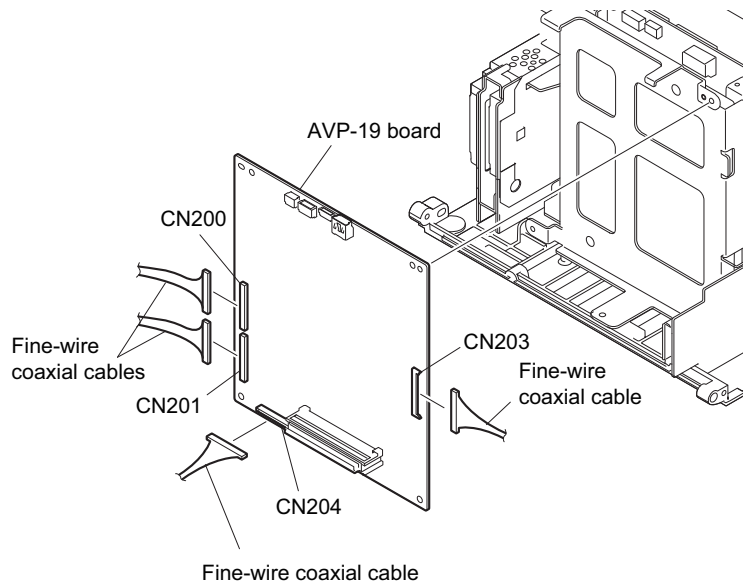
1. Remove the two screws to detach the DPRAVP plate assembly in the direction of arrow.



2. Disconnect the harnesses from the three connectors (CN202, CN205, CN1700).



3. Disconnect the fine-wire coaxial cables from the four connectors (CN200, CN201, CN203, CN204) to detach the AVP-19 board.



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

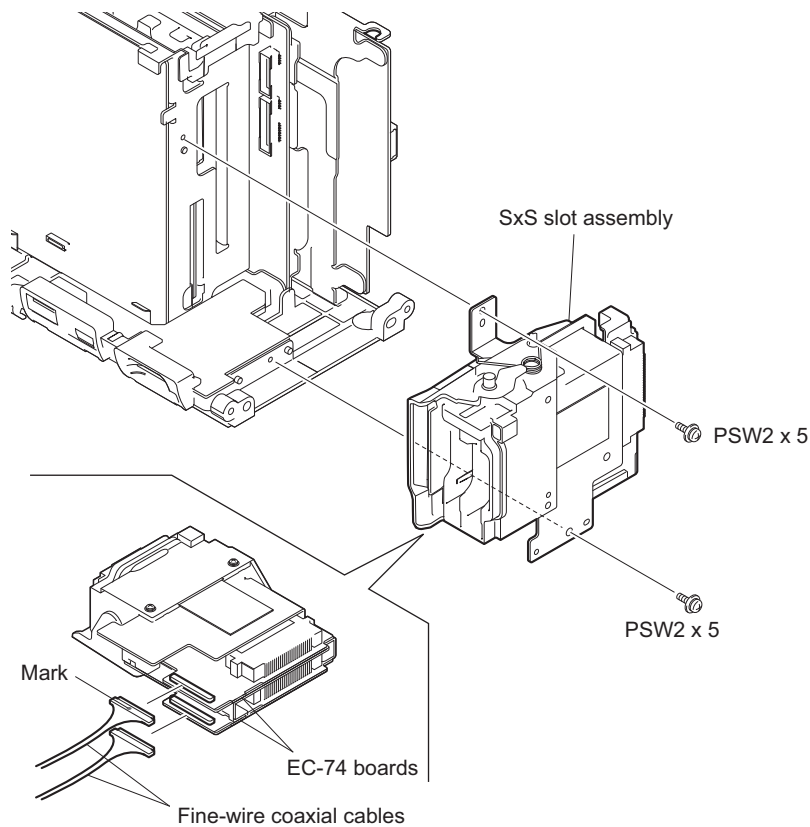
2-20. SxS Slot Assembly

Preparation

1. Remove the inside panel assembly. (Refer to “2-3. Inside Panel Assembly”.)
2. Remove the outside panel assembly. (Refer to “2-9. Outside Panel Assembly”.)
3. Remove the top panel assembly. (Refer to “2-2. Top Panel Assembly”.)
4. Remove the rear panel assembly. (Refer to “2-14. Rear Panel Assembly”.)

Procedure

1. Remove the two screws.
2. Disconnect the two fine-wire coaxial cables from the connectors on the EC-74 board to detach the SxS slot assembly.



Note

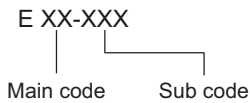
When connecting the fine-wire coaxial cables, connect the fine-wire coaxial cable with a mark to the rear EC-74 board.

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

Section 3

Error Code

An error code consists of a 2-digit main code and a 3-digit sub code.



Group of Main Codes

- 91: An error between host CPU and peripheral devices interface
- 92: An error of synchronization system detection
- 95: An error of video/audio signal processing devices interface
- A0: An error of system by software originating

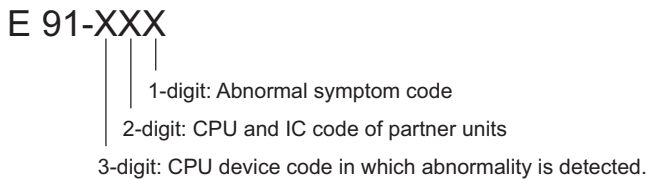
For details of sub codes, refer to respective “Main Code xx”.

If Multiple Errors Occur Simultaneously

The highest-priority error is displayed. When a higher-priority error is cleared, the following-priority error code is displayed.

3-1. Main Code 91

When interface (between CPU and peripheral devices) errors are detected, the following error codes are displayed.



CPU Device Code in which Abnormality is Detected (3-digit Sub Code)

3-digit Sub Code	Description
1	EMMA: Application processor IC1400 (AVP-19 board)
2	DIABLO: Media processor IC100 (AVP-19 board)
3	ROSETTA: Video signal processor IC0100 (DPR-342 board)

CPU and IC code of Partner Units (2-digit Sub Code)

When detecting with EMMA (IC1400: AVP-19 board) (When the 3-digit of the sub code is “1”):

2-digit Sub Code	Description
1	EMMA: Application processor IC1400 (AVP-19 board)
2	DIABLO: Media processor IC100 (AVP-19 board)
3	ROSETTA: Video signal processor IC0100 (DPR-342 board)
4	CHARON: Power controller IC2100 (AVP-19 board)
5	CMON: Monitor FPGA IC0200 (HIF-64 board)
6	KAPA: Interface FPGA IC100 (HPR-44 board)
7	Audio block
8	VF VINE: IC2003 (DPR-342 board)
9	KEY VINE: IC2000 (KY-686 board)

Continued

2-digit Sub Code	Description
A	Sub display module
B	USB module
C	Wi-Fi module

When detecting with DIABLO (IC100: AVP-19 board) (When the 3-digit of the sub code is “2”):

2-digit Sub Code	Description
1	EMMA: Application processor IC1400 (AVP-19 board)
2	DIABLO: Media processor IC100 (AVP-19 board)
3	ROSETTA: Video signal processor IC0100 (DPR-342 board)
4	NATH: MPEG2 video codec IC1400 (DPR-342 board)
5	BEAUNE: XAVC video codec IC1000 (DPR-342 board)

When detecting with ROSETTA (IC0100: DPR-342 board) (When the 3-digit of the sub code is “3”):

2-digit Sub Code	Description
1	EMMA: Application processor IC1400 (AVP-19 board)
2	DIABLO: Media processor IC100 (AVP-19 board)
3	ROSETTA: Video signal processor IC0100 (DPR-342 board)
4	VUP CPLD: IC2100 (DPR-342 board)
5	CMON: Monitor FPGA IC0200 (HIF-64 board)
6	KAPA: Interface FPGA IC100 (HPR-44 board)
7	Audio block
8	ADV7320: Digital video encoder IC0700 (HIF-64 board)
9	ADV8003: HDMI encoder IC0800 (HIF-64 board)
A	Lens interface
B	EXT interface
C	CMON (700P): Monitor FPGA IC0200 (HIF-64 board)
D	KAPA (EQ DRIVE): Interface FPGA IC100 (HPR-44 board)
E	Imager block

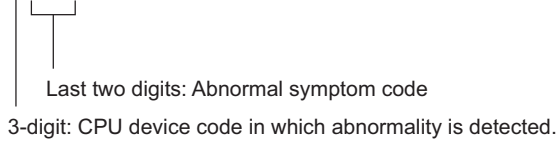
Abnormal Symptom Code (1-digit Sub Code)

1-digit Sub Code	Description
0	Error of communication between CPU and peripheral devices (or interface hardware error) (Two or more causes or irregularity is included.)
3	Data parity error or data verify error between CPU and peripheral devices
5	Communication between CPU and peripheral devices is not completed in the specified time period.
7	Failure of flash memory configuration
8	Communication error of flash memory (or eMMC)
9	Communication error of EEPROM
A	Communication error of SDRAM
B	Communication error of recording media
C	Error of temperature sensor

3-2. Main Code 92

When synchronization system errors are detected, the following error codes are displayed.

E 92-XXX



CPU Device Code in which Abnormality is Detected (3-digit Sub Code)

3-digit Sub Code	Description
1	EMMA: Application processor IC1400 (AVP-19 board)
2	DIABLO: Media processor IC100 (AVP-19 board)
3	ROSETTA: Video signal processor IC0100 (DPR-342 board)

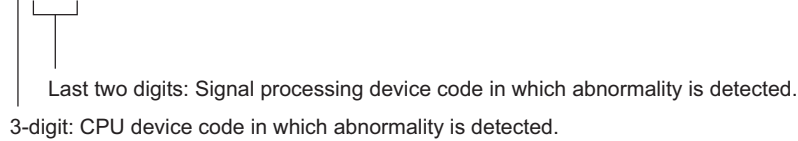
Abnormal Symptom Code (Last Two Digits Sub Code)

Last Two Digits Sub Code	Description
01	Error of reference frame pulse
02	Communication error of RTC (Real Time Clock) IC1800 (AVP-19 board)
03	Communication error of reference clock generator IC1101 (HIF-64 board)
04	Interrupt signal "VFSYNC_A to C" doesn't come.

3-3. Main Code 95

When video/audio signal processing devices interface errors are detected, the following error codes are displayed.

E 95-XXX



CPU Device Code in which Abnormality is Detected (3-digit Sub Code)

3-digit Sub Code	Description
1	EMMA: Application processor IC1400 (AVP-19 board)
2	DIABLO: Media processor IC100 (AVP-19 board)
3	ROSETTA: Video signal processor IC0100 (DPR-342 board)

Signal Processing Device Code in which Abnormality is Detected (Last Two Digits Sub Code)

Last Two Digits Sub Code	Description
01	DIABLO (IC100: AVP-19 board) GIF error
02	DIABLO (IC100: AVP-19 board) codec error
03	DIABLO (IC100: AVP-19 board) multiplexer error
04	DIABLO (IC100: AVP-19 board) media interface error
05	BEAUNE (IC1000: DPR-342 board) fatal error
06	BEAUNE (IC1000: DPR-342 board) internal operation error
07	BEAUNE (IC1000: DPR-342 board) error (warning)
08	NATH (IC1400: DPR-342 board) error (caution)
09	NATH (IC1400: DPR-342 board) error (exception)
0A	VBS error in LVCMOS communication path (DIABLO to NATH)
0B	VBS error in LVCMOS communication (NATH to DIABLO)
11	Image sensor block internal error
12	Communication error (Image sensor to ROSETTA)
13	Communication error (KAPA to ROSETTA)
14	Communication error (BEAUNE to ROSETTA)
15	Communication error (ROSETTA to CMON)
16	Communication error (ROSETTA to KAPA)
17	Communication error (ROSETTA to viewfinder)
18	Audio DSP register error, communication timeout

3-4. Main Code A0

When errors of the system of the software originating are detected, the following error codes are displayed.

E A0-000

Section 4

Service Menu

Overview

The unit is provided with the Service menu that is useful for maintenance and adjustment. The menu content is displayed on the viewfinder.

The Service menu consists of the following menus.

Menu Item	Description
White Shading	White shading compensation
Black Shading	Black shading compensation
RPN	RPN (Residual Point Noise) compensation
VCO Adjustment	Master clock frequency adjustment
Fan Control	Fan control
Factory Reset	Reset to factory setting (for service menu setting)
Information	Information and status of the unit display
Version 1 ~ 3	Firmware software and FPGA, etc. display

4-1. How to Display the Service Menu

1. Press the MENU button to display the setup menu.
2. Turn the SEL/SET dial to place the cursor at “Hours Meter” of the System menu.
3. Press the MENU button while pressing the SEL/SET dial and the ASSIGN 1 button simultaneously.
The Service menu is added to the setup menu.

Notes

- Pressing the MENU button again closes the service menu display.
- The Service menu is displayed in the setup menu unless the power is turned off.

4-2. Service Menu List

Menu Item	Submenu Item	Choice (Default Setting)	Function	Reference Section
White Shading	Channel Select	Red/Green/Blue (Red)	Selects the channel (Red or Green or Blue) to execute the white shading compensation on (The present setup values of H Saw, H Para, V Saw and V Para of the selected channel are displayed automatically)	“5-2. White Shading Adjustment”
	White H Saw	–99 to +99 (±0)	Adjusts the white shading H Saw correction level	
	White H Para	–99 to +99 (±0)	Adjusts the white shading H Para correction level	
	White V Saw	–99 to +99 (±0)	Adjusts the white shading V Saw correction level	
	White V Para	–99 to +99 (±0)	Adjusts the white shading V Para correction level	
	White Saw/Para	On/Off (On)	Turns On or Off the white shading compensation	
Black Shading	Channel Select	Red/Green/Blue (Red)	Selects the channel (Red or Green or Blue) to execute the manual black shading compensation on (The present setup values of H Saw, H Para, V Saw and V Para of the selected channel are displayed automatically)	“5-3. Black Shading Adjustment”
	Black H Saw	–99 to +99 (±0)	Adjusts the black shading H Saw correction level	
	Black H Para	–99 to +99 (±0)	Adjusts the black shading H Para correction level	
	Black V Saw	–99 to +99 (±0)	Adjusts the black shading V Saw correction level	
	Black V Para	–99 to +99 (±0)	Adjusts the black shading V Para correction level	
	Black Saw/Para	On/Off (On)	Turns On or Off the black shading compensation	
	Auto Black Shading	Execute/Cancel (Cancel)	Executes the automatic black shading compensation	
	Reset Black Shading	Execute/Cancel (Cancel)	Returns the default (±0) all the black shading compensation values	
RPN	Auto Detection	Execute/Cancel (Cancel)	Excutes automatic RPN detection	“5-4. RPN Compensation”
	Channel	R/G/B	Displays correction target channel	
	Cursor	On/Off (Off)	Turns On or Off the RPN correction point indicator cursor	
	Cursor H Position	1 to 4352 (2176)	Displays and move the horizontal address of the RPN correction point indicator cursor	
	Cursor V Position	1 to 2694 (1347)	Displays and move the vertical address of the RPN correction point indicator cursor	
	Cursor Next	—	Moves the RPN correction point indicator cursor to the next RPN point	
	Cursor Prev	—	Moves the RPN correction point indicator cursor to the previous RPN point	
	Record	Execute/Cancel (Cancel)	Registers the RPN	

Continued

Menu Item	Submenu Item	Choice (Default Setting)	Function	Reference Section
	Delete	Execute/Cancel (Cancel)	Deletes the RPN	
	Reset	Execute/Cancel (Cancel)	Deletes all the RPN that are registered after shipment from the factory	
VCO Adjustment	Clock Out Select	On/Off (Off)	Clock output On/Off from the TEST OUT connector	“5-5. Master Clock Adjustment”
	Clock Frequency	–99 to +99 (±0)	Adjusts the master clock frequency	
Fan Control	Fan Control Mode	Normal/Max/Off (Normal)	Sets the fan control mode	“4-3-1. Fan Control Menu”
Factory Reset	Reset	Execute/Cancel (Cancel)	Reset to the factory setting (for Service menu)	“4-3-2. Factory Reset Menu”
Information	Serial Number	—	Displays the serial number of the unit	“4-3-3. Information Menu”
	Imager Temperature	—	Displays the internal temperature (around COMS imager)	
	Main Board Temperature	—	Displays the internal temperature (around main board)	
Version 1	Package	—	Displays firmware version	“4-3-4. Version Menu”
	EMMA	—	Displays each IC version	
	DiabloL	—		
	DiabloT	—		
	Rosetta	—		
	NATH	—		
	Beaune	—		
Version 2	VUP	—		
	CMON	—		
	AUDI	—		
	KAPA	—		
	KYCPLD	—		
Version 3	Charon	—		
	ExVine	—		
	VFVine	—		

4-3. Details of Each Menu

Note

Corrections and adjustments using the White Shading menu, Black Shading menu, RPN menu, and VCO Adjustment menu, refer to “[5. Electrical Alignment](#)”.

4-3-1. Fan Control Menu

The fans of this unit are automatically controlled by detecting the internal temperature. Fan operations can be controlled by the Fan Control menu.

- Normal: Automatically controls fans (default setting).
- Max: Drives fans at a high speed.
- Off: Stops fans.

4-3-2. Factory Reset Menu

The Factory Reset menu is used to restore the factory settings (default settings) of the Service menu.

4-3-3. Information Menu

The Information menu is used to display the information and status of the unit.

Displaying Serial Number

Selecting Serial Number of the Information menu display the serial number of the unit.

Displaying Internal Temperature

The internal temperature of the unit can be monitored by Imager Temperature and Main Board Temperature of the Information menu.

- Imager Temperature: Internal temperature around the CMOS imager
- Main Board Temperature: Internal temperature around the AVP-19 board

4-3-4. Version Menu

The Version 1 - 3 menu is used to check the firmware versions and IC versions of the unit.

Version 1 Menu

- Package: Firmware version
- EMMA: IC1400 (AVP-19 board) version
- DiabloL: IC100 (AVP-19 board) version
- DiabloT: IC100 (AVP-19 board) version
- Rosetta: IC0100 (DPR-342 board) version
- NATH: IC1400 (DPR-342 board) version
- Beaune: IC1000 (DPR-342 board) version

Version 2 Menu

- VUP: IC2100 (DPR-342 board) version
- CMON: IC0200 (HIF-64 board) version
- AUDI: IC301 (APR-94 board) version

- KAPA: IC100 (HPR-44 board) version
- KYCPLD: IC2000 (KY-686 board) version

Version 3 Menu

- Charon: IC2100 (AVP-19 board) version
- ExVine: IC203 (IF-1195 board) version
- VFVine: IC2003 (DPR-342 board) version

Section 5

Electrical Alignment

Notes on Adjustments

When making electrical adjustment, contact your local Sony Sales Office/Service Center.

Overview

The Service menu enables adjustment of parameters that are unique to each unit for correction of nonuniformity of image pickup devices and lenses. For the Service menu and displaying the Service menu, refer to “4. Service Menu”.

5-1. Preparations

5-1-1. Equipment Required

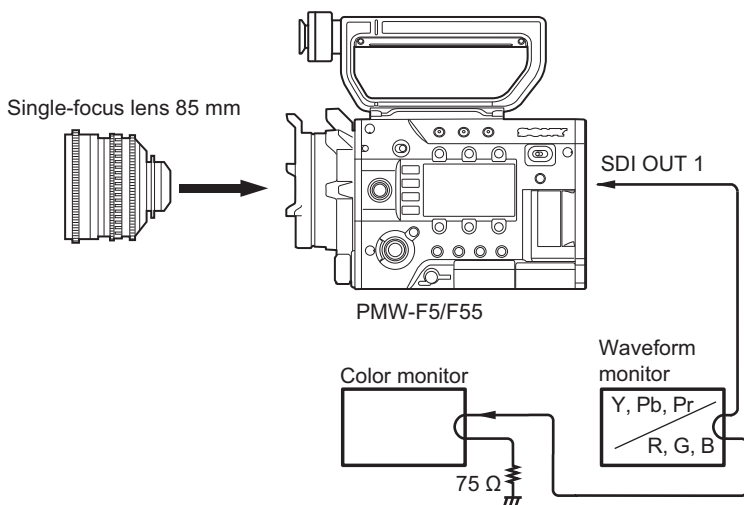
Measuring equipment

- Oscilloscope: Tektronix TDS3054 or equivalent (150 MHz or more)
- HD waveform monitor: Leader Electronics LV5152DA or equivalent
- Frequency counter: Advantest TR5821AK or equivalent
- Digital voltmeter: Advantest TR6845 or equivalent
- HD color monitor: Sony HDM-20E1U/14E1U/14E5U or equivalent
- Luminance meter: Tektronix TSG700 or equivalent

Related equipment and Fixtures

- Single-focus lens 85 mm (Sony standard): Sony Part No. 1-856-221-11
- Pattern box PTB-500: Sony Part No. J-6029-140-B
- Grayscale chart (16 : 9 transparent type): Sony Part No. J-6394-080-A
- Grayscale chart (16 : 9 reflective type): Commercially available

5-1-2. Connection of Equipment



5-2. White Shading Adjustment

The White Shading menu enables the adjustment of the horizontal and vertical Saw correction level and parabola correction level.

Notes

- The White Shading adjustment cannot be executed for the correct adjustment values if the object pattern has nonuniformity or if other conditions such as lens iris setting and zoom setting are not correctly satisfied.
- Use a full white pattern for the White Shading adjustment having uniform brightness over the entire area.
- If a full white pattern having uniform brightness over the entire area is not available, do not execute the G-channel White Balance adjustment. Instead of it, execute the White Balance adjustment in the way of aligning the R-channel waveform and the B-channel waveform to the waveform of G-channel.

Overview of White Shading Adjustment

- The White Saw/Para menu can be used to turn White Shading correction On or Off. The White Saw/Para menu is turned On automatically when the power is turned On.
- The Channel Select menu enables selection of the channel (G-ch or B-ch or R-ch) to execute the H Saw, H Para, V Saw, and V Para white shading adjustments on.
- When the Channel Select menu selects any other channel, the displays of the H Saw, H Para, V Saw, and V Para setup values are changed to the current setup values of the channel selected by the Channel Select menu. The changes are reflected on the H Saw, H Para, V Saw, and V Para setup values.
- The H Saw menu enables the horizontal Saw white shading correction (linear increase and decrease) level.
- The H Para menu enables the horizontal Parabola white shading correction (sensitivity correction at the horizontal center with respect to both ends) level.
- The V Saw menu enables the vertical Saw black shading correction (linear increase and decrease) level.
- The V Para menu enables the vertical Parabola white shading correction (sensitivity correction at the vertical center with respect to both ends) level.

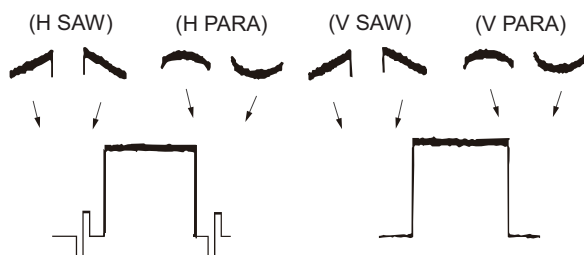
5-2-1. White Shading Adjustment Method

Preparation

- Connect the HD waveform monitor to the SDI OUT 1 connector.
- Set the HD waveform monitor to the RGB mode.
- Set the focus to ∞
- Shoot a full-white pattern over the entire frame of the monitor screen.

Adjustment Procedure

1. Adjust the lens iris until the white level becomes approximately 80%.
2. Adjust H Saw, H Para, V Saw, and V Para for each of G-channel, B-channel, and R-channel until the waveform on the waveform monitor becomes flat.



5-3. Black Shading Adjustment

The Black Shading menu enables the adjustment of the horizontal and vertical Saw correction level and parabola correction level.

Note

All the Black Shading correction values have been set to ± 0 since the unit was shipped from the factory. When the Black Shading correction is executed, it results in height difference of black level at the boundary areas between the corrected areas. Do not change the Black Shading correction values from ± 0 unless it is necessary.

Overview of Black Shading Adjustment

- The Black Saw/Para menu can be used to turn Black Shading correction On or Off.
The Black Saw/Para menu is turned On automatically when the power is turned On.
- The Channel Select menu enables selection of the channel (G-ch or B-ch or R-ch) to execute the H Saw, H Para, V Saw, and V Para black shading adjustments on.
- When the Channel Select menu selects any other channel, the displays of the H Saw, H Para, V Saw, and V Para setup values are changed to the current setup values of the channel selected by the Channel Select menu. The changes are reflected on the H Saw, H Para, V Saw, and V Para setup values.
- The H Saw menu enables the horizontal Saw black shading correction (linear increase and decrease) level.
- The H Para menu enables the horizontal Parabola black shading correction (black level correction at the horizontal center with respect to both ends) level.
- The V Saw menu enables the vertical Saw black shading correction (linear increase and decrease) level.
- The V Para menu enables the vertical Parabola black shading correction (black level correction at the vertical center with respect to both ends) level.
- The Auto Black Shading menu enables the auto black shading correction (automatic optimization of the respective correction values of the black shading correction).
- When the Auto Black Shading menu is selected, the Execute and Cancel choices appear. Selecting Execute starts automatic black shading.

5-3-1. Black Shading Adjustment Method

Preparation

- Connect the HD waveform monitor to the SDI OUT 1 connector.
- Set the HD waveform monitor to the RGB mode.
- Set the HD waveform monitor to the RGB mode.

Adjustment Procedure

1. Adjust the gain and the black level so that waveforms can be viewed best.
2. Adjust H Saw, H Para, V Saw, and V Para for each of G-channel, B-channel, and R-channel until the waveform on the waveform monitor becomes flat.



5-4. RPN Compensation

The RPN menu enables various operations such as manual registration, deletion and automatic detection of the RPN compensation point.

5-4-1. Executing Auto Detection

- The Auto Detection menu enables automatic detection of RPN point.
- When the Auto Detection menu is selected, the Execute and Cancel choices appear. Selecting Execute starts RPN Auto Detection.
- The RPN point that is detected by the Auto Detection is added to the RPN correction point.

5-4-2. Displaying Channel

- The Channel menu enables displaying color components of pixels on the cursor.
- When the RPN correction point is moved to an already-registered correction point by the Cursor Next or Cursor Prev operation, the channel of the registered correction point is displayed automatically.

5-4-3. Cursor Setting

- The Cursor menu enables the crosshair cursor indicating the RPN correction point to be displayed or hidden when registering RPN manually.
- When Cursor is set to On, the crosshair cursor indicating the RPN correction point is displayed superimposed on the video signal.
- The signal of the pixel located at the center of the crosshair cursor is replaced with black.
- Cursor is always set to Off when the power is turned on.

5-4-4. Cursor H Position Setting

- The Cursor H Position menu enables the user to change the horizontal position of the RPN correction point within the effective video signal range in the manual registration of the RPN point.
- When the RPN correction point is moved to an already-registered correction point by the Cursor Next or Cursor Prev operation, the display automatically switches to the numeric value of the horizontal position of the RPN point.

5-4-5. Cursor V Position Setting

- The Cursor V Position menu enables the user to change the vertical position of the RPN correction point within the effective video signal range in the manual registration of the RPN point.
- When the RPN correction point is moved to an already-registered correction point by the Cursor Next or Cursor Prev operation, the display automatically switches to the numeric value of the vertical position of the RPN point.

5-4-6. Operating Cursor Next

- The Cursor Next menu enables the user to move the RPN cursor position to the next already-registered RPN correction point after the present position in the ascending order of the addresses during the manual registration of RPN.
(If multiple RPN positions have the same address in the ascending order of the Cursor V Position, the RPN cursor can move to the RPN position in the ascending order of the Cursor H Position.)

5-4-7. Operating Cursor Prev

- The Cursor Prev menu enables the user to move the RPN cursor position to the next already-registered RPN correction point after the present position in the descending order of the addresses during the manual registration of RPN.
(If multiple RPN positions have the same address in the descending order of the Cursor V Position, the RPN cursor can move to the RPN position in the descending order of the Cursor H Position.)

5-4-8. Executing Record

- The Record menu enables manual registration of RPN.
- When the Record menu is selected, the Execute and Cancel choices appear. In addition, selecting Execute starts registration of RPN.

5-4-9. Executing Delete

- The Delete menu enables manual deletion of RPN.
- When the Delete menu is executed, the RPN registration of a pixel at an address specified by the Cursor H Position and Cursor V Position is deleted from the RPN data.
- When the Delete menu is executed, the RPN registration of a pixel at an address specified by the Cursor H Position and Cursor V Position is deleted from the RPN data.

5-4-10. Executing Reset

- The Reset menu enables the user to delete the RPN correction point data that is registered by Auto Detection after the equipment is shipped from the factory.
- The RPN data that is registered at the factory and the RPN data is manually registered cannot be deleted by the Reset.
- When the Reset menu is selected, the Execute and Cancel choices appear. Selecting Execute starts reset of RPN.

5-4-11. RPN Manual Registration Procedure

Procedure

1. Set the lens iris to CLOSE.
2. Adjust gain and black level to the settings that facilitate viewing the RPN position on a monitor screen.
3. Set Cursor to On.
4. Move the crosshair cursor to the RPN that is going to be registered by using Cursor H Position and Cursor V Position.
5. Execute the Record.

5-5. Master Clock Adjustment

The VCO Adjustment menu allows adjustment of the master clock frequency.

5-5-1. Master Clock Frequency Output

The VCO output frequency can be divided by Clock Out Select and video signals can be output to the TEST OUT connector.

5-5-2. Adjusting the Master Clock

The 27-MHz master clock frequency can be adjusted by Clock Frequency.

Preparation

1. Connect a frequency counter to the TEST OUT connector.
2. Set Clock Out Select of the VCO Adjustment menu to On.

Adjustment Procedure

1. Change the set value by Clock Frequency of the VCO Adjustment menu so that the master clock frequency meets the following specification.
Specification: 27 MHz $\pm$ 25 Hz
2. Determine the set value by pressing the SEL/SET dial.

Section 6

Spare Parts

6-1. Note on Repair Parts

1. Safety Related Components Warning

WARNING

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

2. Standardization of Parts

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

3. Stock of Parts

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

4. Harness

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

1. 安全重要部品

△警告

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

2. 部品の共通化

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

3. 部品の在庫

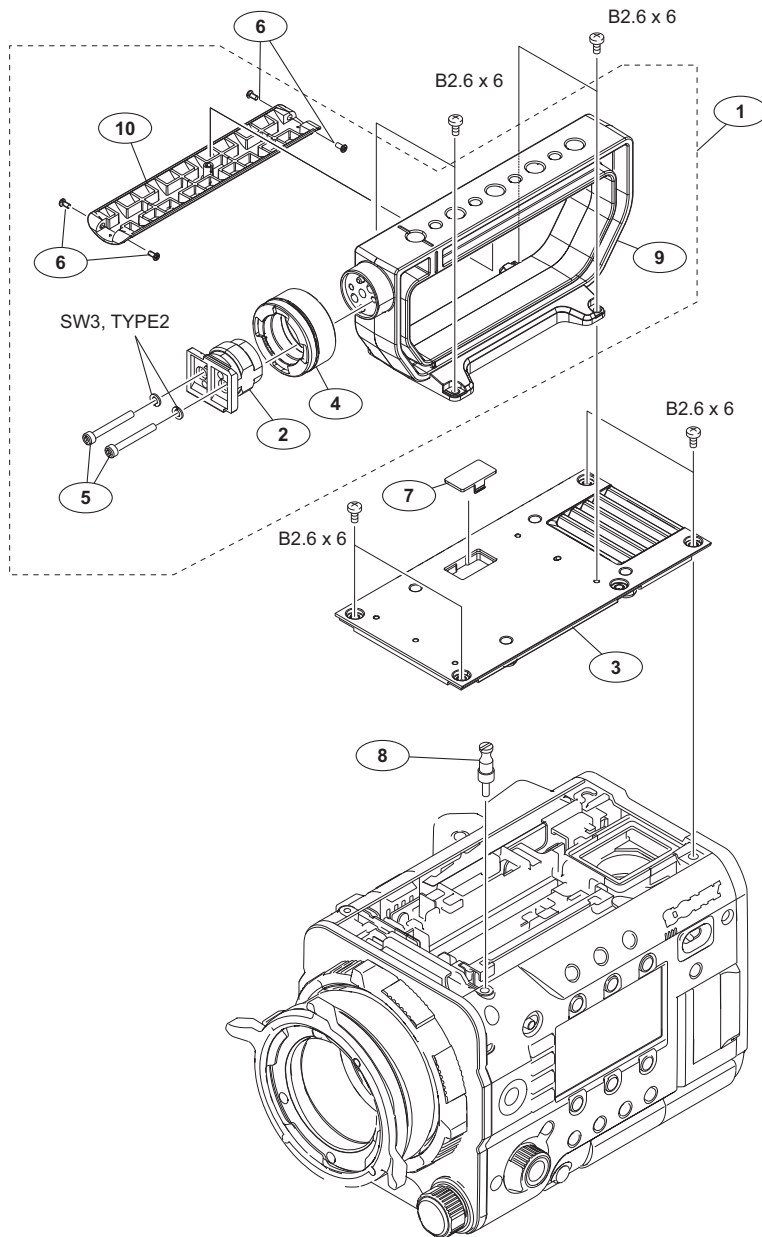
部品表の SP (Supply code) 欄に “o” で示される部品は在庫していないことがあります。納期が長くなる場合があります。

4. ハーネス

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

6-2. Exploded Views

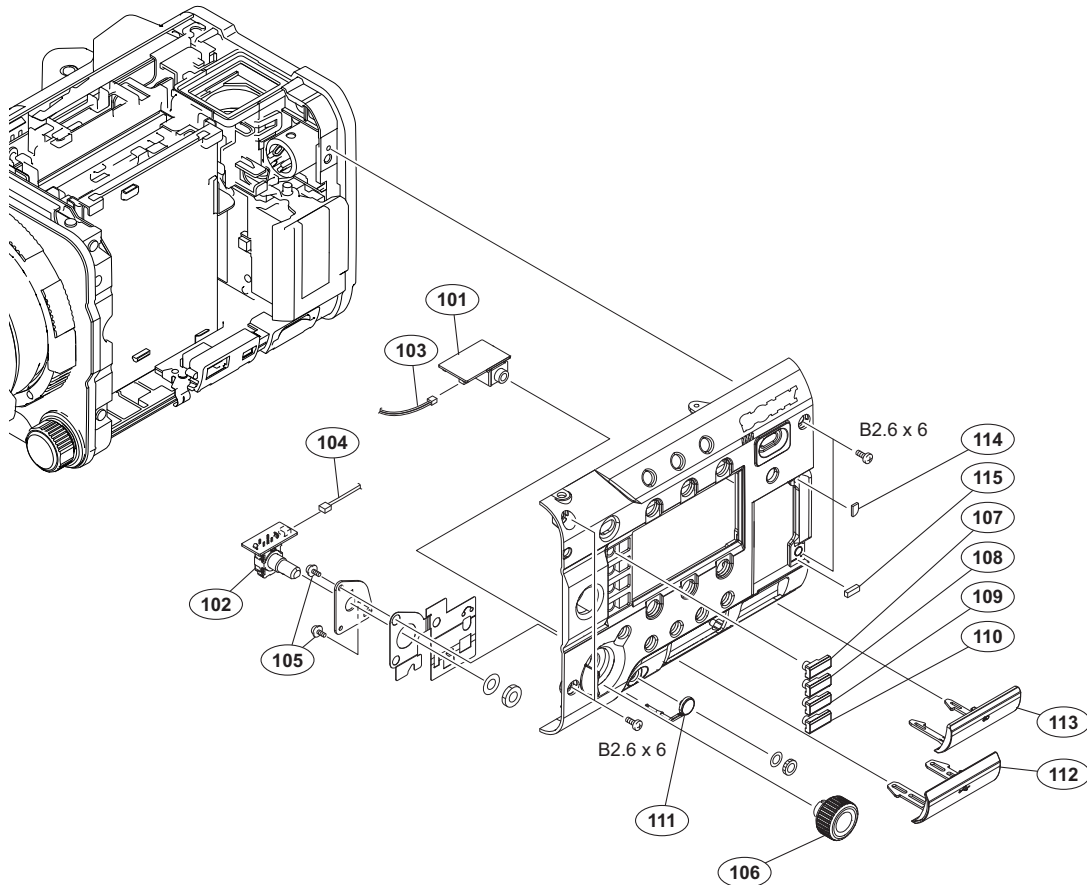
Handle assembly



No.	Part No.	SP Description
1	A-1927-754-A	s HANDLE ASSY
2	A-8278-412-J	s SHOE ASSY,VF
3	X-2586-795-1	s TOP COVER ASSY
4	3-627-853-07	s SHOE,SLIDE
5	3-711-765-01	s BOLT (M3), HEXAGON SOCKET
6	3-719-381-02	s SCREW (M2X4)
7	4-458-554-01	s COVER, USB TOP
8	4-458-622-01	s MEASURE HOOK
9	4-458-854-02	s HANDLE
10	4-458-855-02	s COVER, HANDLE

7-621-773-95	s	SCREW +B 2.6X6
7-623-208-22	s	SW 3,TYPE 2

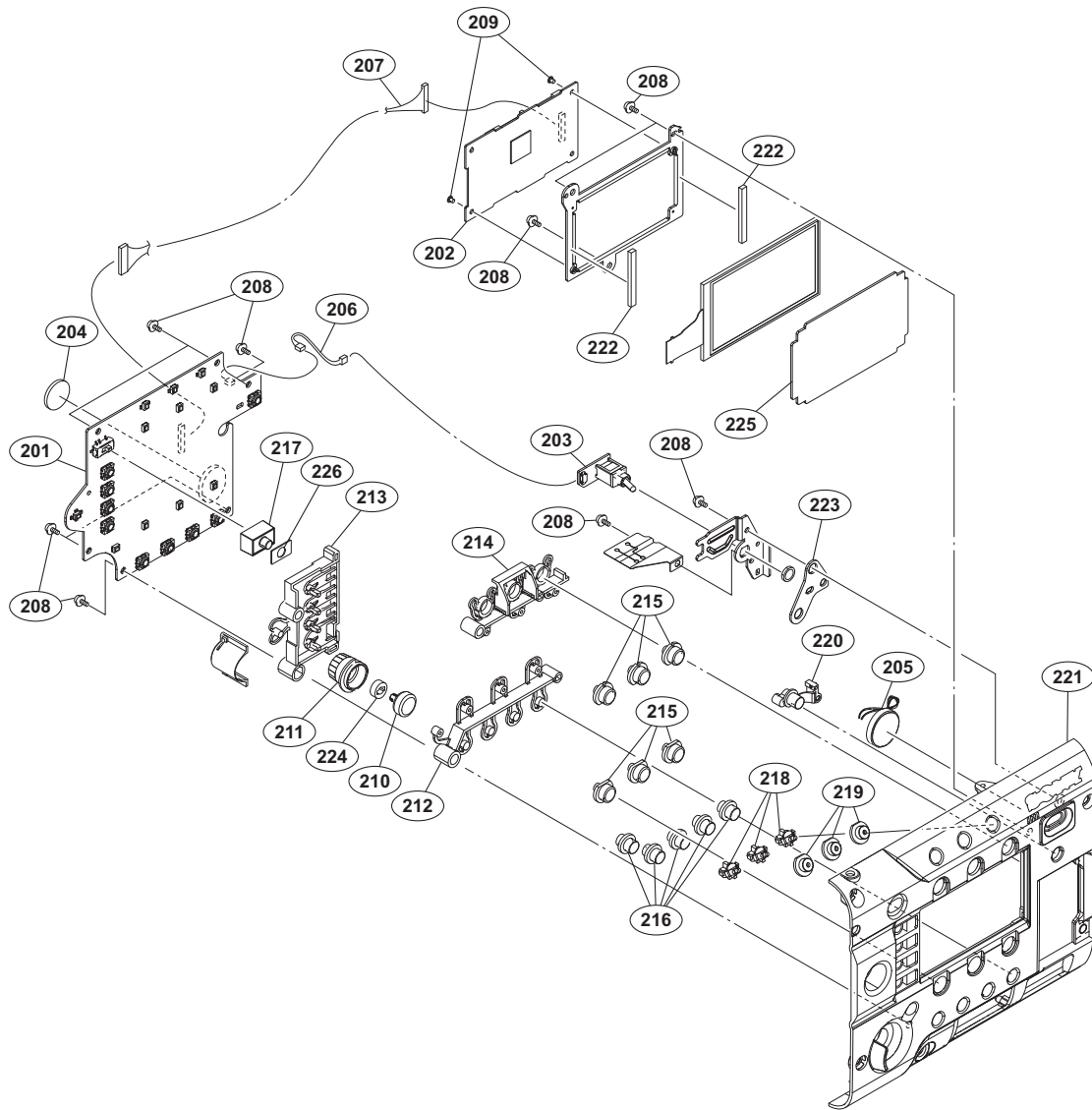
Inside panel 1



No.	Part No.	SP Description
101	A-1908-363-A s	MOUNTED CIRCUIT BOARD, HP-161
102	A-1908-441-A s	MOUNTED CIRCUIT BOARD, SW-1569
103	1-969-452-11 s	HARNESS, SUB (HP-KY)
104	1-969-453-11 s	HARNESS, SUB (KY-SW)
105	2-640-315-02 o	SCREW (M2X5), SMALL, +P, SW
106	4-458-650-01 s	DIAL KNOB (MSD)
107	4-458-655-01 s	SW TOP (A)
108	4-458-655-11 s	SW TOP (A)
109	4-458-655-21 s	SW TOP (A)
110	4-458-655-31 s	SW TOP (A)
111	4-458-663-01 s	CAP, HP
112	4-458-664-01 s	COVER (IN SIDE) A
113	4-458-665-01 s	COVER (IN SIDE) B
114	4-458-673-01 s	CUSHION (LID)
115	4-458-674-01 s	CUSHION (LID) (B)

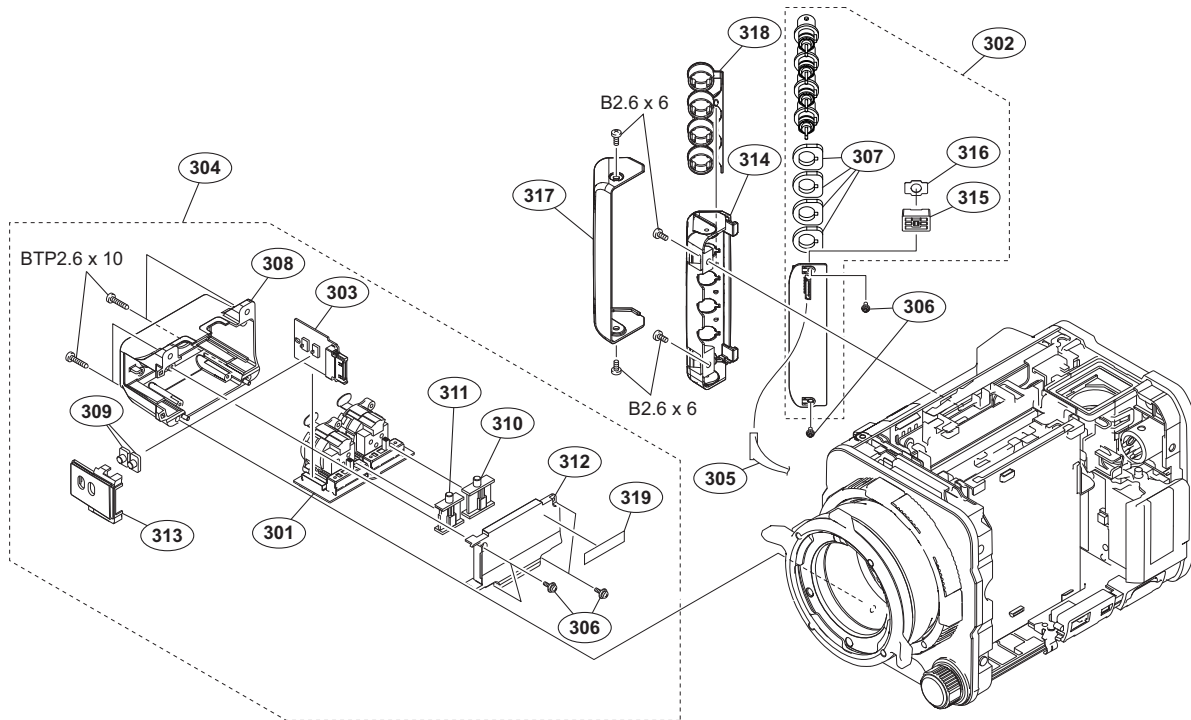
7-621-773-95 s SCREW +B 2.6X6

Inside panel 2



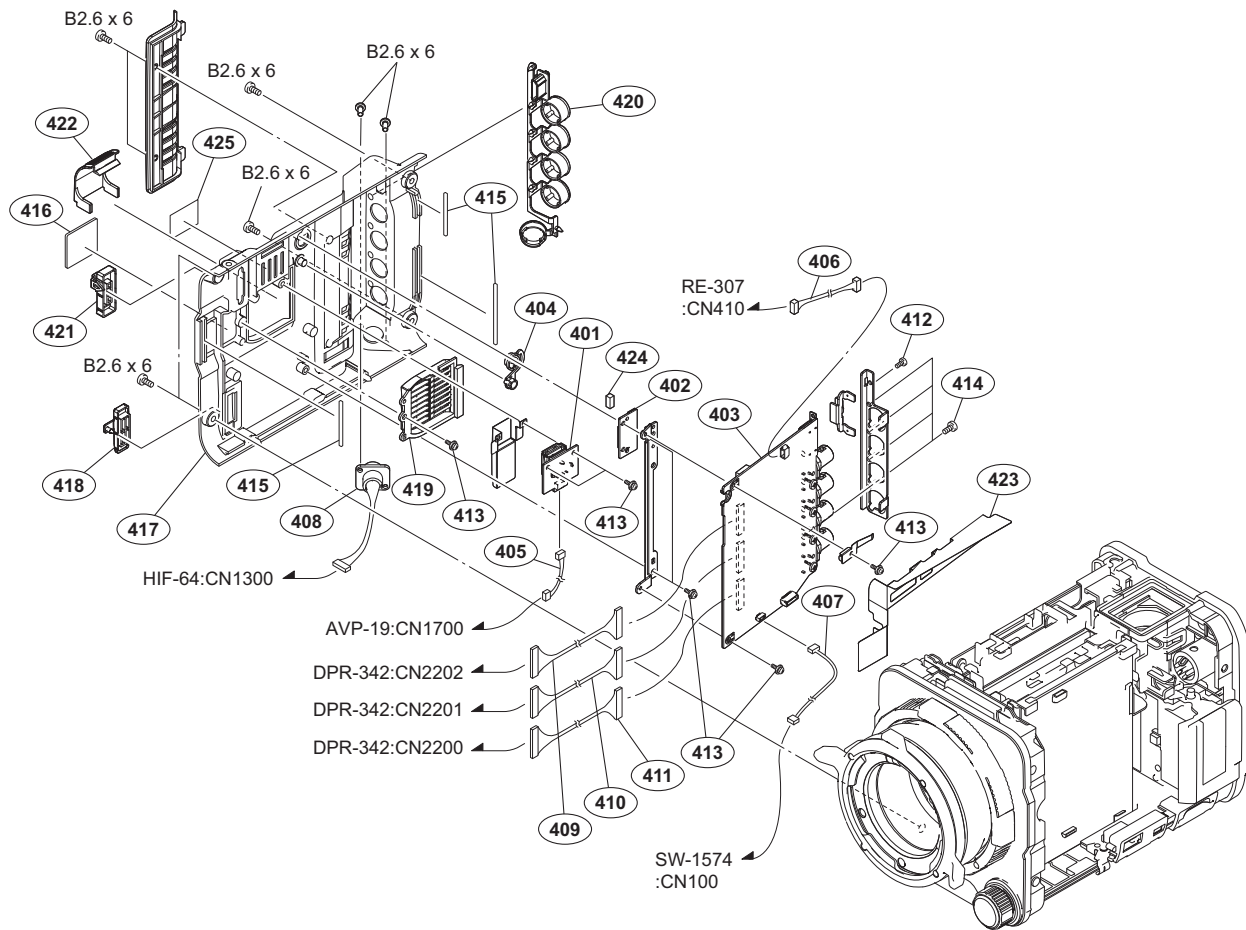
No.	Part No.	SP Description	No.	Part No.	SP Description
201	A-1945-777-A	s MOUNTED CIRCUIT BOARD, KY-686	223	4-458-669-01	s CUSHION (PW)
202	A-1908-350-A	s MOUNTED CIRCUIT BOARD, IF-1208	224	4-458-670-01	s REC, CUSHION
203	A-1908-447-A	s MOUNTED CIRCUIT BOARD, PSW-99	225	4-458-671-01	s PROTECTOR(LCD)
204	⚠ 1-528-174-72	s BATTERY, LITHIUM (CR2032 TYPE)	226	4-458-672-01	s SHEET, SW-INDICATOR
205	1-858-706-11	s LOUDSPEAKER (1.8CM)			
206	1-969-462-11	s HARNESS, SUB (KY-PSW)			
207	1-969-483-11	s WIRE, CONNECTOR WITH LEAD (KY-SLCD)			
208	2-640-315-02	o SCREW (M2X5), SMALL, +P, SW			
209	3-287-278-11	s M1.7X2 (D3X0.3)			
210	4-458-649-01	s REC BUTTON			
211	4-458-651-01	s PRISM,INDICATOR,REC			
212	4-458-652-01	s SW, ACTUATOR (B)			
213	4-458-653-01	s SW, ACTUATOR (A)			
214	4-458-654-01	s SW, ACTUATOR (C)			
215	4-458-656-01	s SW TOP (F-SEL)			
216	4-458-657-01	s SW, TOP (MENU)			
217	4-458-658-01	s SW KNOB			
218	4-458-659-01	s PRISM,INDICATOR (ASSIGN)			
219	4-458-660-01	s SW TOP (ASSIGN)			
220	4-458-661-01	s SW TOP (SSEL)			
221	4-458-662-01	s PANEL INSIDE			
222	4-458-668-01	s CUSHION (LCD)			

Outside panel 1



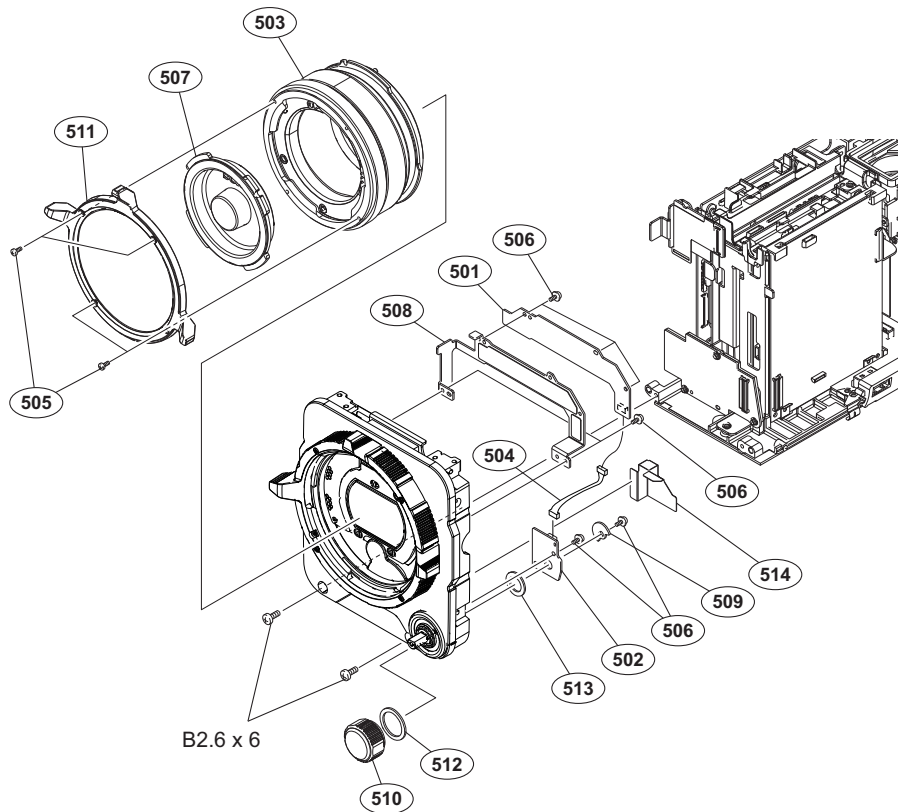
No.	Part No.	SP Description
301	A-1908-355-A s	MOUNTED CIRCUIT BOARD, AXM-47
302	A-1908-356-A s	MOUNTED CIRCUIT BOARD, CN-3527
303	A-1908-365-A s	MOUNTED CIRCUIT BOARD, CN-3569
304	A-1922-132-A s	XLR BOX ASSY
305	1-969-460-11 s	HARNESS, SUB (HIF-CN)
306	2-640-315-02 o	SCREW (M2X5), SMALL, +P, SW
307	4-428-365-01 s	SPACER, V-OUT
308	4-458-543-01 s	CASE (AUBOX)
309	4-458-556-01 s	KNOB (2P SLIDE)
310	4-458-557-01 s	KNOB (AU1), SWITCH
311	4-458-558-01 s	KNOB (AU), SWITCH
312	4-458-561-01 s	PANEL (AUBOX), BACK
313	4-458-562-01 s	PANEL (AUBOX), SIDE
314	4-458-856-02 s	FRAME (BNC BOX)
315	4-458-857-01 s	KNOB (TC), SWITCH
316	4-458-858-01 s	PLATE, TC ORNAMENTAL
317	4-458-859-02 s	CASE (BNC BOX)
318	4-458-860-02 s	CAP, BNC
319	4-462-463-01 s	SHEET, AU BOX
	7-621-773-95 s	SCREW +B 2.6X6
	7-685-535-19 s	SCREW +BTP 2.6X10 TYPE2 N-S

Outside panel 2



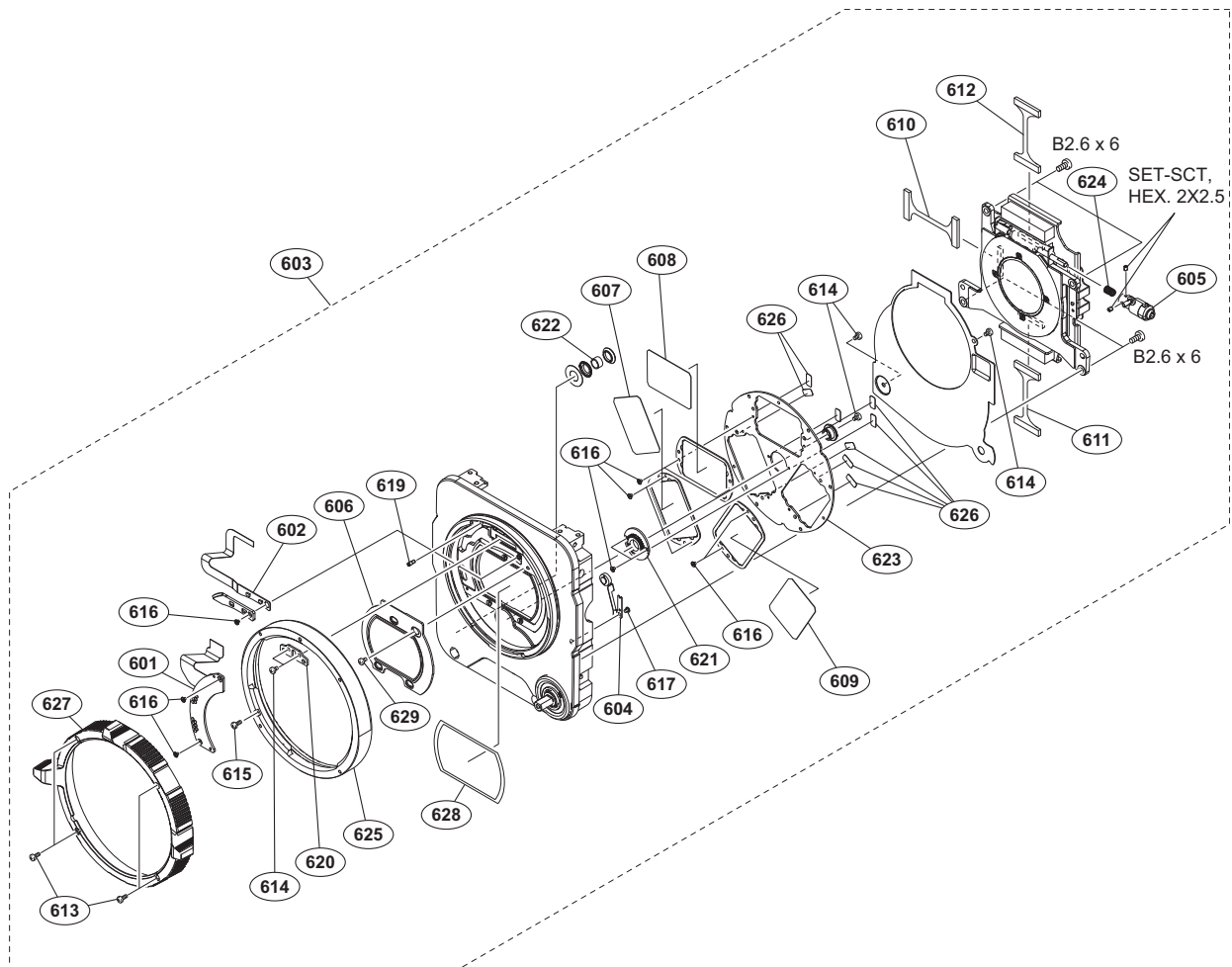
No.	Part No.	SP Description
401	A-1908-347-A	s MOUNTED CIRCUIT BOARD, CN-3559
402	A-1908-446-A	s MOUNTED CIRCUIT BOARD, SW-1574
403	A-1912-753-A	s MOUNTED CIRCUIT BOARD, HIF-64
404	X-2586-793-1	s OUTSIDE SW ASSY
405	1-969-454-11	s HARNESS, SUB (AVP-CN2)
406	1-969-458-11	s HARNESS, SUB (RE-HIF)
407	1-969-463-11	s HARNESS, SUB (HIF-SW)
408	1-969-464-11	s HARNESS, SUB (HIF-RMT)
409	1-969-472-11	s WIRE, CONNECTOR WITH LEAD (BI-DPR1 DPR-)
410	1-969-482-11	s WIRE, CONNECTOR WITH LEAD (DPR-HIF3)
411	1-969-484-11	s WIRE, CONNECTOR WITH LEAD (DPR-HIF2)
412	2-630-005-31	s SCREW (M2), NEW TRUSTER, P2
413	2-640-315-02	o SCREW (M2X5), SMALL, +P, SW
414	3-364-941-01	s SCREW (+B) (2.6X5), NYLOK
415	3-624-455-01	s TUBE, SHIELD
416	4-415-168-01	s EMBLEM, CINEALTA
417	4-458-547-02	s PANEL, OUT SIDE
418	4-458-555-01	s CAP, AU
419	4-458-559-01	s LOUVER (OUT SIDE)
420	4-458-560-01	s CAP, OUTSIDE
421	4-458-567-01	s CAP, VF
422	4-458-568-01	s WINDOW (WIFI)
423	4-458-576-01	s GUIDE, OUT SIDE HARNESS
424	4-458-967-01	s CUSHION, OUTSIDE SW
425	4-462-464-01	s SHEET, OUT SIDE USB
	7-621-773-95	s SCREW +B 2.6X6

Front panel assembly



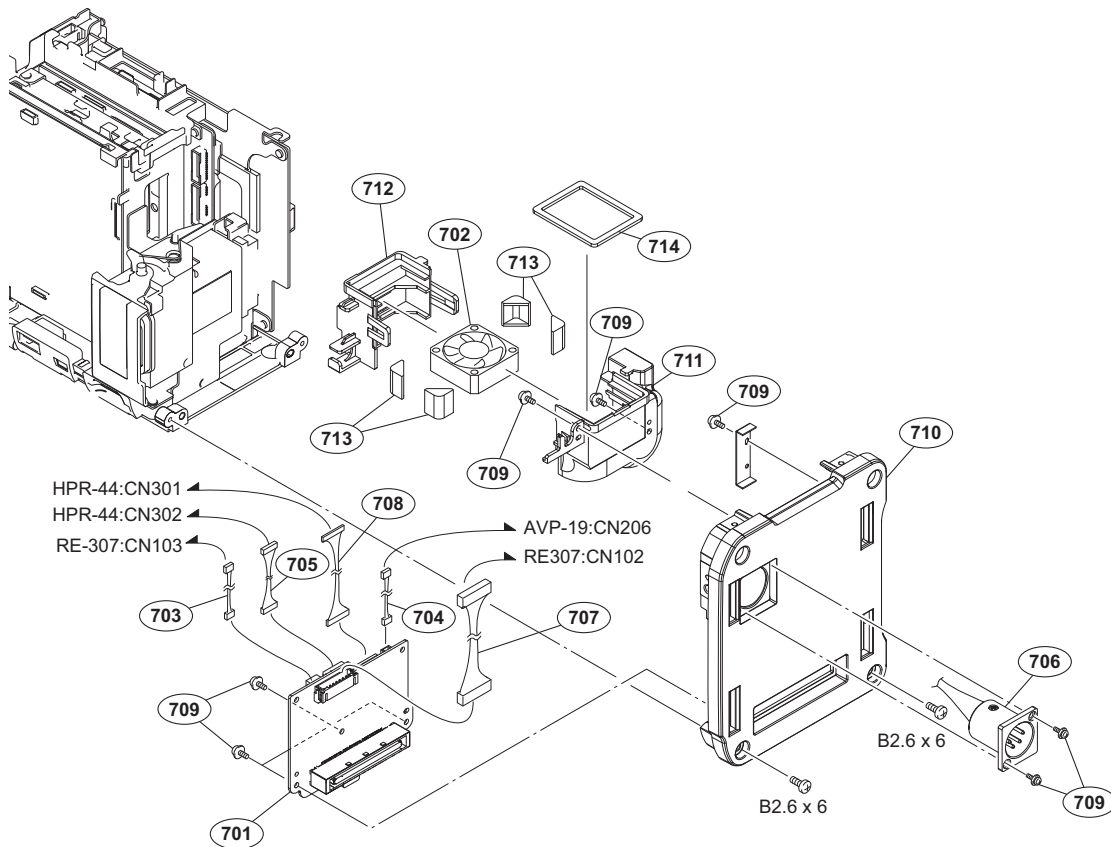
No.	Part No.	SP Description
501	A-1908-362-A s	MOUNTED CIRCUIT BOARD, HN-400
502	A-1908-445-A s	MOUNTED CIRCUIT BOARD, SE-1111
503	A-1922-878-A s	PL MOUNT ADAPTER ASSY
504	1-969-461-11 s	HARNESS, SUB (HN-SE1)
505	2-630-005-31 s	SCREW (M2), NEW TRUSTER, P2
506	2-640-315-02 o	SCREW (M2X5), SMALL, +P, SW
507	4-104-999-02 s	CAP, MOUNT
508	4-458-600-01 s	PLATE, HN
509	4-458-614-01 s	REFLECTOR, ND
510	4-458-617-01 s	DIAL, ND
511	4-458-620-01 s	LEVER, RING
512	4-458-629-02 s	SHEET, ND DIAL
513	4-458-630-02 s	SHEET, ND SHAFT
514	4-458-635-02 s	SE GUARD
	7-621-773-95 s	SCREW +B 2.6X6

Front block assembly



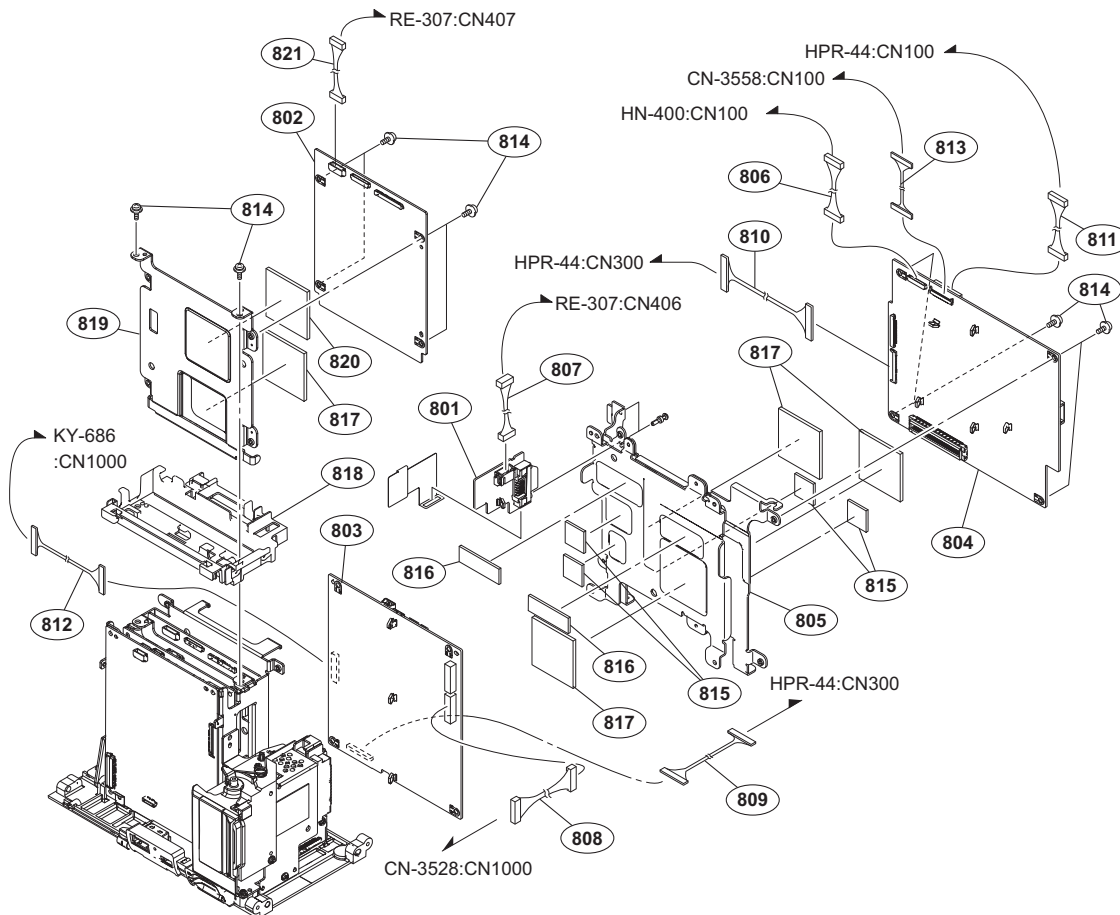
No.	Part No.	SP Description	No.	Part No.	SP Description
601	A-1908-348-A	s MOUNTED CIRCUIT BOARD, IR-57	627	4-458-641-01	s LEVER,RING FZ (PMW-F5)
602	A-1908-440-A	s MOUNTED CIRCUIT BOARD, SE-1114	4-458-641-11	s LEVER,RING FZ (PMW-F55)	
603	A-1925-728-A	s FRONT BLOCK ASSY (PMW-F5)	628	4-462-952-01	s SHEET, OLPF
	A-1925-729-A	s FRONT BLOCK ASSY (PMW-F55)	629	4-672-836-01	s SCREW ,M2 SPECIAL HEAD,EG GRIP
604	X-2586-796-1	s PLATE ASSY, CLICK			
605	X-2586-797-1	s SLIP CLUTCH ASSY	7-621-731-08	s SET-SCT,HEX. 2X2.5,FLAT POINT	
606	1-856-508-11	s FILTER UNIT, OPTICAL	7-621-773-95	s SCREW +B 2.6X6	
607	1-856-509-11	s FILTER, OPTICAL (CLEAR)	7-624-108-04	s STOP RING 4.0, TYPE -E	
608	1-856-510-11	s FILTER, OPTICAL (ND0.9)	7-627-552-38	s SCREW,PRECISION +P 1.7X3	
609	1-856-511-11	s FILTER, OPTICAL (ND1.8)			
610	1-969-470-11	s WIRE, CONNECTOR WITH LEAD (BI-DPR3)			
611	1-969-471-11	s WIRE, CONNECTOR WITH LEAD (BI-DPR2)			
612	1-969-472-11	s WIRE, CONNECTOR WITH LEAD (BI-DPR1)			
613	2-630-005-31	s SCREW(M2),NEW TRUSTER,P2			
614	2-655-582-01	s SCREW 0+P2 M2 NEWTRU-STAR			
615	3-080-198-41	s SCREW(M1.7),LOCK ACE,P2			
616	3-215-158-01	s SCREW M1.4X1.6, 0 +Z			
617	3-287-278-11	s M1.7X2 (D3X0.3)			
619	4-458-594-01	s FZ STOPPER			
620	4-458-595-01	s PLATE, GUIDE			
621	4-458-596-01	s GEAR, ND TURRET			
622	4-458-597-01	s COLLAR, ND			
623	4-458-608-01	s ND TURRET			
624	4-458-618-01	s SPRING, SCREW			
625	4-458-619-01	s RING, MOUNT			
626	4-458-632-02	s TAPE, ND TURRET			

Rear panel assembly



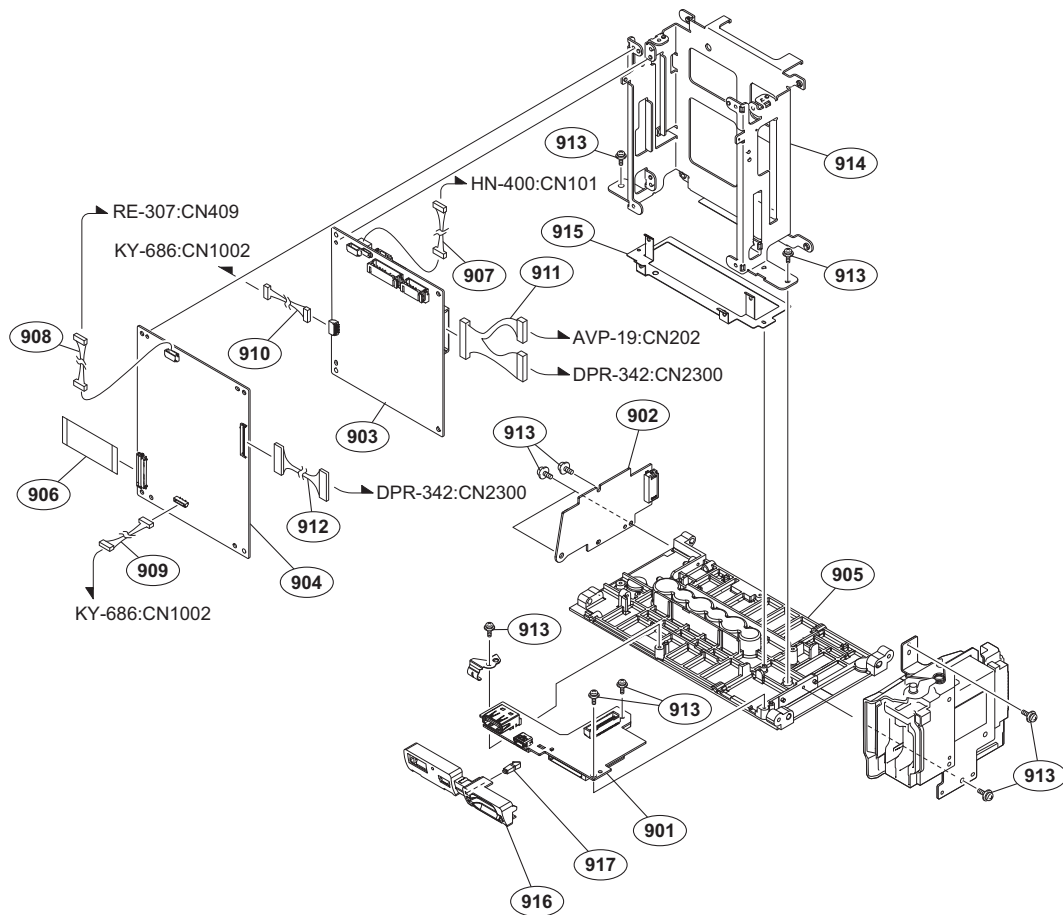
No.	Part No.	SP Description
701	A-1945-778-A s	MOUNTED CIRCUIT BOARD, IF-1195
702	⚠ 1-855-292-11 s	FAN, DC (30 SQUARE)
703	1-969-451-11 s	HARNESS, SUB (IF-RE2)
704	1-969-455-11 s	HARNESS, SUB (AVP-IF)
705	1-969-456-11 s	HARNESS, SUB (HPR-IF2)
706	1-969-457-11 s	HARNESS, SUB (DC-RE)
707	1-969-459-11 s	HARNESS, SUB (IF-RE1)
708	1-969-481-11 s	WIRE, CONNECTOR WITH LEAD (HPR-IF1)
709	2-640-315-02 o	SCREW (M2X5), SMALL, +P, SW
710	4-458-846-01 s	PANEL, REAR
711	4-458-847-02 s	DUCT (A)
712	4-458-848-01 s	DUCT (B)
713	4-458-849-01 s	FAN HOLDER
714	4-458-851-01 s	CUSHION (DUCT)
	7-621-773-95 s	SCREW +B 2.6X6

Chassis 1



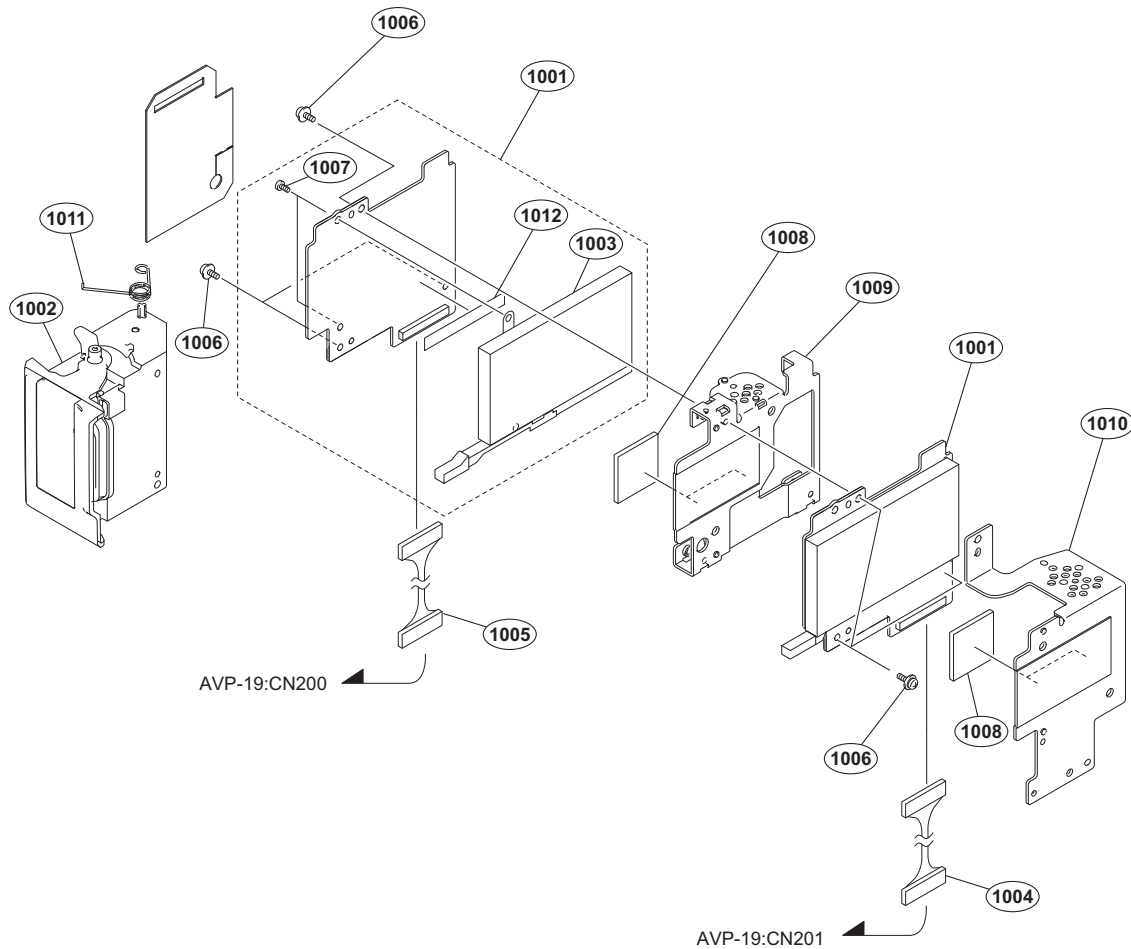
No.	Part No.	SP Description
801	A-1908-346-A s	MOUNTED CIRCUIT BOARD, CN-3558
802	A-1912-750-A s	MOUNTED CIRCUIT BOARD, HPR-44
803	A-1912-751-A s	MOUNTED CIRCUIT BOARD, AVP-19
804	A-1912-752-A s	MOUNTED CIRCUIT BOARD, DPR-342
805	X-2586-792-1 s	PLATE, ASSY_DPR_AVP
806	1-969-446-11 s	HARNESS, SUB (DPR-HN)
807	1-969-447-11 s	HARNESS, SUB (RE-CN)
808	1-969-465-11 s	HARNESS, SUB (AVP-CN1)
809	1-969-473-11 s	WIRE, CONNECTOR WITH LEAD (AVP-HPR)
810	1-969-474-11 s	WIRE, CONNECTOR WITH LEAD (DPR-HPR1)
811	1-969-475-11 s	WIRE, CONNECTOR WITH LEAD (DPR-HPR2)
812	1-969-476-11 s	WIRE, CONNECTOR WITH LEAD (AVP-KY)
813	1-969-479-11 s	WIRE, CONNECTOR WITH LEAD (DPR-CN)
814	2-640-315-02 o	SCREW (M2X5), SMALL, +P, SW
815	4-427-951-02 s	RADIATION SHEET C
816	4-427-952-02 s	RADIATION SHEET D
817	4-427-955-02 s	RADIATION SHEET G
818	4-458-542-02 s	CABLE HOLDER MAIN
819	4-458-550-01 s	CHASSIS, HPR
820	4-462-217-01 s	SHEET (H), RADIATION
821	1-969-445-11 s	HARNESS, SUB (RE-HN_RE-HPR)

Chassis 2



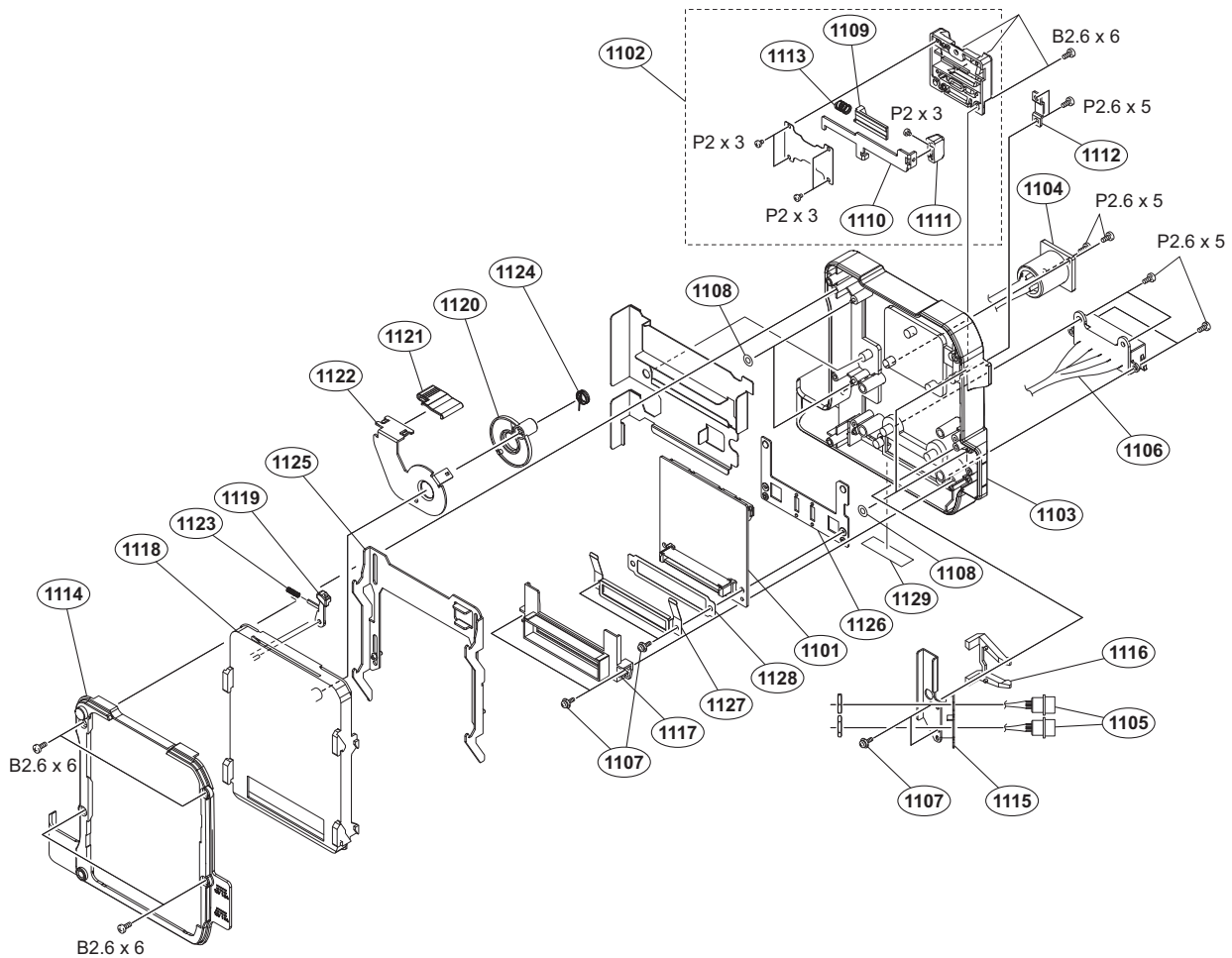
No.	Part No.	SP Description
901	A-1908-357-A s	MOUNTED CIRCUIT BOARD, CN-3528
902	A-1908-358-A s	MOUNTED CIRCUIT BOARD, CN-3530
903	A-1912-748-A s	MOUNTED CIRCUIT BOARD, RE-307
904	A-1912-749-A s	MOUNTED CIRCUIT BOARD, APR-94
905	X-2586-794-2 s	BOTTOM COVER ASSY
906	1-836-688-11 s	CABLE, FLEXIBLE FLAT (36 CORE)
907	1-969-445-11 s	HARNESS, SUB (RE-HN RE-HPR)
908	1-969-448-11 s	HARNESS, SUB (RE-APR)
909	1-969-449-11 s	HARNESS, SUB (APR-HP)
910	1-969-450-11 s	HARNESS, SUB (RE-KY)
911	1-969-466-11 s	HARNESS, SUB (RE-DPR_AVP)
912	1-969-478-11 s	WIRE, CONNECTOR WITH LEAD (APR-DPR)
913	2-640-315-02 o	SCREW (M2X5), SMALL, +P, SW
914	4-458-551-01 s	CHASSIS, MAIN
915	4-458-552-01 s	PLATE, BOTTOM PWB
916	4-458-666-01 s	ESCUTCHEON (USB/SD)
917	4-458-667-01 s	LIGHT GUIDE (SD)

SxS slot assembly



No.	Part No.	SP Description
1001	A-1908-360-A s	MOUNTED CIRCUIT BOARD, EC-74
1002	A-1927-758-A s	BOX, SXS
1003	1-821-531-13 s	CONNECTOR, EX CARD (GUIDE UNIT)
1004	1-969-477-11 s	WIRE, CONNECTOR WITH LEAD (AVP-EC1)
1005	1-969-480-11 s	WIRE, CONNECTOR WITH LEAD (AVP-EC2)
1006	2-640-315-02 o	SCREW (M2X5), SMALL, +P, SW
1007	3-968-729-52 s	SCREW (M2), LOCK ACE, P2
1008	4-167-983-01 s	SHEET, RADIATION
1009	4-458-868-01 s	BRACKET (A), SXS
1010	4-458-869-01 s	BRACKET (B), SXS
1011	4-458-875-02 s	SPRING (SXS)
1012	4-458-876-01 s	GUARD (SXS), PATTERN

Battery adaptor assembly



No.	Part No.	SP Description	No.	Part No.	SP Description
1101	A-1908-351-A	s MOUNTED CIRCUIT BOARD, DC-166	1129	4-462-887-01	s SHEET, BAT ADAPT
1102	A-8278-025-G	s MOUNT,V ASSY			
1103	X-2586-775-1	s ASSYSUB_BASE,ADAPTER			
1104	1-969-467-11	s HARNESS, SUB (ADPT-DCIN)		7-621-773-95	s SCREW +B 2.6X6
1105	1-969-468-11	s HARNESS, SUB (ADPT-DCOUT)		7-627-553-38	s SCREW,PRECISION +P 2X3
				7-627-556-58	s SCREW +P 2.6X5
1106	1-969-469-11	s HARNESS, SUB (ADPT-BATT)			
1107	2-640-315-02	o SCREW (M2X5), SMALL, +P, SW			
1108	3-052-149-01	s WASHER (2.0)			
1109	3-679-687-02	s LOCK,SLIDE			
1110	3-679-688-03	s LEVER,RELEASE			
1111	3-680-952-02	o KNOB,RELEASE LEVER			
1112	3-697-119-03	s RETAINER			
1113	3-704-964-01	s SPRING,COMPRESSION			
1114	4-458-404-02	s COVER, ADAPTER			
1115	4-458-405-02	s BRACKET, DC (OUT)			
1116	4-458-406-02	s INDICATER, DC-OUT			
1117	4-458-407-01	s GUARD, CN			
1118	4-458-408-02	s SLIDER, LOCK			
1119	4-458-409-01	s LEVER,LOCK			
1120	4-458-410-01	s ARM, SLIDE			
1121	4-458-411-01	s KNOB_LOCK_RELEASE			
1122	4-458-412-02	s LEVER,RELEASE			
1123	4-458-413-01	s SPRING,COMPRESSION			
1124	4-458-414-01	s SPRING_TORSION(POPUP)			
1125	4-458-415-01	s PLATE, SLIDE			
1126	4-458-416-01	s SUPPORT, DC BOARD			
1127	4-458-417-02	s COVER, CN			
1128	4-458-418-01	s SHEET, INSULATING			

6-3. Electrical Parts List

APR-94 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1912-749-A s	MOUNTED CIRCUIT BOARD, APR-94
C117	1-124-779-21 s	CAP, ELECT 10MF (4.3X5.5)
C118	1-124-779-21 s	CAP, ELECT 10MF (4.3X5.5)
C119	1-124-779-21 s	CAP, ELECT 10MF (4.3X5.5)
C120	1-124-779-21 s	CAP, ELECT 10MF (4.3X5.5)
C121	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C122	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C123	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C124	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C125	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C126	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C127	1-124-779-21 s	CAP, ELECT 10MF (4.3X5.5)
C128	1-124-779-21 s	CAP, ELECT 10MF (4.3X5.5)
C129	1-124-779-21 s	CAP, ELECT 10MF (4.3X5.5)
C130	1-124-779-21 s	CAP, ELECT 10MF (4.3X5.5)
C131	1-127-952-21 s	CAP, CHIP FILM 0.022MF (3216)
C132	1-127-952-21 s	CAP, CHIP FILM 0.022MF (3216)
C133	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C134	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C135	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C136	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C137	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C138	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C139	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C140	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C141	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C142	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C143	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C144	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C145	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C146	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C147	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C148	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C149	1-131-661-21 s	CAP, CHIP ELECT 100MF (6.3X5.7)
C202	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C203	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C204	1-127-947-21 s	CAP, CHIP FILM 0.0033MF (2012)
C205	1-127-947-21 s	CAP, CHIP FILM 0.0033MF (2012)
C206	1-127-963-21 s	CAP, CHIP FILM 470PF (2012)
C207	1-127-963-21 s	CAP, CHIP FILM 470PF (2012)
C208	1-127-963-21 s	CAP, CHIP FILM 470PF (2012)
C209	1-127-963-21 s	CAP, CHIP FILM 470PF (2012)
C210	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C211	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C212	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C213	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C214	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C215	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C216	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C217	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C218	1-118-040-11 s	CAP, CERAMIC 2.2MF X5R (1608)
C219	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C220	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C221	1-118-040-11 s	CAP, CERAMIC 2.2MF X5R (1608)
C222	1-118-040-11 s	CAP, CERAMIC 2.2MF X5R (1608)
C223	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C224	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C225	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C226	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C301	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C302	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)

APR-94 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C303	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C304	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C305	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
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
C401	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C402	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C403	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C404	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C405	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C406	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C407	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C408	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C409	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C410	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C411	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C412	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C413	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C414	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF(1005)
C415	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C416	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C417	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF(1005)
C418	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF(1005)
C419	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C420	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C421	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF(1005)
C422	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C423	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C424	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C425	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C426	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C427	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C428	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C429	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C430	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C431	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C432	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C433	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C434	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C435	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C436	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C437	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C501	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C502	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
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	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C603	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C604	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C605	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C606	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C607	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C608	1-107-819-81 s	CAP,CHIP CERAMIC 22000PF B1005
C609	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C610	1-107-819-81 s	CAP,CHIP CERAMIC 22000PF B1005
C612	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C613	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C614	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C615	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C616	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C617	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C618	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)

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Ref. No. or Q'ty	Part No.	SP Description
C619	1-131-661-21 s	CAP, CHIP ELECT 100MF(6.3X5.7)
C620	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C621	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C622	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C623	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C624	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C625	1-100-415-91 s	CAP, CHIP CERAMIC 0.47MF(1005)
C626	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C627	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C628	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C629	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C631	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C634	1-128-405-21 s	CAP, ELECT 22MF 6.3X5.7
C636	1-114-817-11 s	CAP, CERAMIC 2.2UF X7R 3216
C637	1-128-405-21 s	CAP, ELECT 22MF 6.3X5.7
C638	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C639	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C642	1-131-661-21 s	CAP, CHIP ELECT 100MF(6.3X5.7)
CN103	1-794-142-31 s	CONNECTOR, FFC/FPC(ZIF) AN 36P
CN109	1-770-623-21 s	PIN, CONNECTOR 6P
D105	8-719-991-01 s	DIODE DAP222-TL
D106	8-719-991-01 s	DIODE DAP222-TL
D202	8-719-070-20 s	DIODE RB706F-40
D203	8-719-070-20 s	DIODE RB706F-40
D601	6-501-123-01 s	DIODE RB160M-60TR
D602	8-719-989-04 s	DIODE DAN222-TL
D603	6-501-123-01 s	DIODE RB160M-60TR
D604	8-719-989-04 s	DIODE DAN222-TL
D605	8-719-989-04 s	DIODE DAN222-TL
E101	1-535-757-21 s	CHIP, CHECKER
E201	1-535-757-21 s	CHIP, CHECKER
E601	1-535-757-21 s	CHIP, CHECKER
E602	1-535-757-21 s	CHIP, CHECKER
ET601	1-780-627-11 s	TERMINAL, LUG
ET602	1-780-627-11 s	TERMINAL, LUG
ET603	1-780-627-11 s	TERMINAL, LUG
ET604	1-780-627-11 s	TERMINAL, LUG
FB401	1-481-377-21 s	FERRITE, EMI (SMD)
FB404	1-481-377-21 s	FERRITE, EMI (SMD)
FB501	1-481-377-21 s	FERRITE, EMI (SMD)
FB608	1-481-377-21 s	FERRITE, EMI (SMD)
FB609	1-481-377-21 s	FERRITE, EMI (SMD)
FB611	1-481-377-21 s	FERRITE, EMI (SMD)
FB612	1-481-377-21 s	FERRITE, EMI (SMD)
FB613	1-481-377-21 s	FERRITE, EMI (SMD)
FB615	1-481-377-21 s	FERRITE, EMI (SMD)
FL202	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL501	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
IC103	8-759-422-21 s	IC NJM4580V(Te2)
IC104	8-759-422-21 s	IC NJM4580V(Te2)
IC105	6-708-433-01 s	IC PC1804DBR
IC202	6-705-515-01 s	IC AK4385VT-E2
IC203	8-759-422-21 s	IC NJM4580V(Te2)
IC302	6-711-485-01 s	IC TC74VCX125FK(EL)
IC303	6-711-485-01 s	IC TC74VCX125FK(EL)
IC306	8-759-598-43 s	IC TC7WH04FK
IC402	6-709-647-01 s	IC TLC2932AIPWR
IC403	6-709-647-01 s	IC TLC2932AIPWR
IC404	6-713-513-01 s	IC AK4127VF-E2
IC405	6-713-513-01 s	IC AK4127VF-E2
IC602	6-708-889-01 s	IC MP2105DJ-LF-Z
IC603	6-706-482-01 s	IC TC7SH00FU
IC604	6-708-889-01 s	IC MP2105DJ-LF-Z

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Ref. No. or Q'ty	Part No.	SP Description
IC605	6-705-481-01 s	IC LT1931ES5#TR
IC606	6-709-976-01 s	IC R1173D001B-TR-FE
IC607	6-703-223-01 s	IC MAX668EUB+TG069
IC608	6-711-375-01 s	IC LT1964ES5-BYP#TR
IC609	6-704-643-01 s	IC R3112N221A-TR-FE
IC611	6-704-643-01 s	IC R3112N221A-TR-FE
L401	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L402	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L403	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L601	1-481-074-21 s	INDUCTOR 2.2UH
L602	1-419-630-21 s	COIL, CHOKE 4.7UH
L603	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L604	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L609	1-419-630-21 s	COIL, CHOKE 4.7UH
L610	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L611	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L612	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L613	1-424-700-21 s	COIL, CHOKE (SMD) 100UH
L614	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L616	1-481-381-21 o	INDUCTOR 100UH
L617	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L618	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
Q119	6-551-041-01 s	TR RN4904
Q120	6-551-041-01 s	TR RN4904
Q202	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q203	8-729-013-37 s	TRANSISTOR 2SC4213-AB-TE85L
Q601	6-552-022-01 s	TR SI4436DY-T1-E3
Q603	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q605	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q608	8-729-202-23 s	TRANSISTOR 2SK209G-TE85L
R161	1-208-911-81 s	RES, CHIP 10K (1005)
R162	1-208-911-81 s	RES, CHIP 10K (1005)
R163	1-208-911-81 s	RES, CHIP 10K (1005)
R164	1-208-911-81 s	RES, CHIP 10K (1005)
R165	1-208-907-81 s	RES, CHIP 6.8K (1005)
R166	1-208-907-81 s	RES, CHIP 6.8K (1005)
R167	1-208-907-81 s	RES, CHIP 6.8K (1005)
R168	1-208-907-81 s	RES, CHIP 6.8K (1005)
R169	1-218-965-81 s	RES, CHIP 10K 1005
R170	1-218-965-81 s	RES, CHIP 10K 1005
R171	1-218-965-81 s	RES, CHIP 10K 1005
R172	1-218-965-81 s	RES, CHIP 10K 1005
R174	1-208-903-81 s	RES, CHIP 4.7K (1005)
R175	1-208-899-81 s	RES, CHIP 3.3K (1005)
R176	1-208-903-81 s	RES, CHIP 4.7K (1005)
R177	1-208-899-81 s	RES, CHIP 3.3K (1005)
R179	1-208-895-81 s	RES, CHIP 2.2K (1005)
R180	1-208-923-81 s	RES, CHIP 33K (1005)
R181	1-208-895-81 s	RES, CHIP 2.2K (1005)
R182	1-208-923-81 s	RES, CHIP 33K (1005)
R183	1-208-927-81 s	RES, CHIP 47K (1005)
R184	1-208-927-81 s	RES, CHIP 47K (1005)
R185	1-208-923-81 s	RES, CHIP 33K (1005)
R186	1-208-923-81 s	RES, CHIP 33K (1005)
R187	1-208-927-81 s	RES, CHIP 47K (1005)
R188	1-208-927-81 s	RES, CHIP 47K (1005)
R189	1-208-927-81 s	RES, CHIP 47K (1005)
R190	1-208-927-81 s	RES, CHIP 47K (1005)
R191	1-208-855-81 s	RES, CHIP 47 (1005)
R192	1-208-855-81 s	RES, CHIP 47 (1005)
R193	1-208-855-81 s	RES, CHIP 47 (1005)
R194	1-208-855-81 s	RES, CHIP 47 (1005)
R195	1-218-973-81 s	RES, CHIP 47K
R196	1-218-973-81 s	RES, CHIP 47K

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Ref. No. or Q'ty	Part No.	SP Description
R197	1-218-937-81 s	RES, CHIP 47
R202	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R204	1-208-887-81 s	RES, CHIP 1.0K (1005)
R205	1-208-887-81 s	RES, CHIP 1.0K (1005)
R206	1-208-887-81 s	RES, CHIP 1.0K (1005)
R207	1-208-887-81 s	RES, CHIP 1.0K (1005)
R208	1-208-907-81 s	RES, CHIP 6.8K (1005)
R209	1-208-907-81 s	RES, CHIP 6.8K (1005)
R210	1-208-907-81 s	RES, CHIP 6.8K (1005)
R211	1-208-907-81 s	RES, CHIP 6.8K (1005)
R212	1-208-903-81 s	RES, CHIP 4.7K (1005)
R213	1-208-871-81 s	RES, CHIP 220 (1005)
R214	1-208-871-81 s	RES, CHIP 220 (1005)
R215	1-208-903-81 s	RES, CHIP 4.7K (1005)
R216	1-208-903-81 s	RES, CHIP 4.7K (1005)
R217	1-208-871-81 s	RES, CHIP 220 (1005)
R218	1-208-871-81 s	RES, CHIP 220 (1005)
R219	1-208-903-81 s	RES, CHIP 4.7K (1005)
R220	1-208-879-81 s	RES, CHIP 470 (1005)
R221	1-208-879-81 s	RES, CHIP 470 (1005)
R222	1-218-979-81 s	RES, CHIP 150K
R223	1-218-957-81 s	RES, CHIP 2.2K
R224	1-211-987-91 s	RES, CHIP 56 (1608)
R225	1-211-987-91 s	RES, CHIP 56 (1608)
R226	1-211-987-91 s	RES, CHIP 56 (1608)
R227	1-211-987-91 s	RES, CHIP 56 (1608)
R228	1-218-953-81 s	RES, CHIP 1.0K
R229	1-218-953-81 s	RES, CHIP 1.0K
R230	1-218-953-81 s	RES, CHIP 1.0K
R301	1-218-937-81 s	RES, CHIP 47
R302	1-218-937-81 s	RES, CHIP 47
R303	1-218-937-81 s	RES, CHIP 47
R304	1-218-937-81 s	RES, CHIP 47
R305	1-218-937-81 s	RES, CHIP 47
R306	1-218-937-81 s	RES, CHIP 47
R307	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R308	1-218-961-81 s	RES, CHIP 4.7K
R309	1-218-947-81 s	RES, CHIP 330
R310	1-218-961-81 s	RES, CHIP 4.7K
R311	1-218-961-81 s	RES, CHIP 4.7K
R312	1-218-959-81 s	RES, CHIP 3.3K
R313	1-218-959-81 s	RES, CHIP 3.3K
R315	1-218-961-81 s	RES, CHIP 4.7K
R316	1-218-959-81 s	RES, CHIP 3.3K
R317	1-218-977-81 s	RES, CHIP 100K
R401	1-218-961-81 s	RES, CHIP 4.7K
R402	1-218-961-81 s	RES, CHIP 4.7K
R403	1-218-961-81 s	RES, CHIP 4.7K
R404	1-218-961-81 s	RES, CHIP 4.7K
R405	1-218-929-81 s	RES, CHIP 10
R406	1-218-929-81 s	RES, CHIP 10
R407	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R410	1-218-959-81 s	RES, CHIP 3.3K
R411	1-218-959-81 s	RES, CHIP 3.3K
R412	1-218-955-81 s	RES, CHIP 1.5K
R413	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R414	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R415	1-218-955-81 s	RES, CHIP 1.5K
R416	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R417	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R418	1-218-967-81 s	RES, CHIP 15K
R419	1-218-967-81 s	RES, CHIP 15K
R420	1-218-957-81 s	RES, CHIP 2.2K
R421	1-218-945-81 s	RES, CHIP 220
R422	1-218-957-81 s	RES, CHIP 2.2K

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Ref. No. or Q'ty	Part No.	SP Description
R423	1-218-945-81 s	RES, CHIP 220
R424	1-218-937-81 s	RES, CHIP 47
R425	1-218-937-81 s	RES, CHIP 47
R501	1-218-961-81 s	RES, CHIP 4.7K
R502	1-218-961-81 s	RES, CHIP 4.7K
R504	1-218-933-81 s	RES, CHIP 22
R505	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R506	1-218-949-81 s	RES, CHIP 470
R507	1-218-949-81 s	RES, CHIP 470
R508	1-218-973-81 s	RES, CHIP 47K
R509	1-218-965-81 s	RES, CHIP 10K 1005
R510	1-218-965-81 s	RES, CHIP 10K 1005
R511	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R601	1-218-929-81 s	RES, CHIP 10
R602	1-218-965-81 s	RES, CHIP 10K 1005
R603	1-218-965-81 s	RES, CHIP 10K 1005
R607	1-250-547-11 s	RES,METAL FILM CHIP 150K(1005)
R608	1-250-545-11 o	RES,METAL FILM CHIP 120K(1005)
R609	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R610	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R611	1-208-921-81 s	RES, CHIP 27K (1005)
R612	1-208-895-81 s	RES, CHIP 2.2K (1005)
R613	1-208-911-81 s	RES, CHIP 10K (1005)
R614	1-208-911-81 s	RES, CHIP 10K (1005)
R615	1-208-895-81 s	RES, CHIP 2.2K (1005)
R616	1-208-879-81 s	RES, CHIP 470 (1005)
R619	1-218-981-81 s	RES, CHIP 220K
R620	1-208-871-81 s	RES, CHIP 220 (1005)
R621	1-208-899-81 s	RES, CHIP 3.3K (1005)
R622	1-208-911-81 s	RES, CHIP 10K (1005)
R624	1-244-161-81 s	RES, CHIP 2.2 (1005)
R625	1-218-941-81 s	RES, CHIP 100
R626	1-219-706-21 s	RES, CHIP (SQUARE TYPE) 0.10
R627	1-208-943-81 s	RES, CHIP 220K (1005)
R628	1-208-905-81 s	RES, CHIP 5.6K (1005)
R629	1-208-879-81 s	RES, CHIP 470 (1005)
R630	1-218-965-81 s	RES, CHIP 10K 1005
R631	1-218-967-81 s	RES, CHIP 15K
R632	1-218-957-81 s	RES, CHIP 2.2K
R633	1-218-965-81 s	RES, CHIP 10K 1005
R638	1-218-965-81 s	RES, CHIP 10K 1005
R639	1-218-949-81 s	RES, CHIP 470
R640	1-218-965-81 s	RES, CHIP 10K 1005
R643	1-218-977-81 s	RES, CHIP 100K
R646	1-218-823-91 s	RES, CHIP 100 (1608)
R649	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R653	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R655	1-218-990-81 s	CONDUCTOR, CHIP (1005)
RB301	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB302	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB303	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB304	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB401	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB402	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB403	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB404	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB501	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB502	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB601	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB602	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
X501	1-813-511-11 s	OSCILLATOR, CRYSTAL (24MHZ)

AVP-19 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1912-751-A s	MOUNTED CIRCUIT BOARD, AVP-19
C205	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C206	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C207	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C209	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C400	1-116-707-11 s	CAP, CERAMIC 47MF X5R 3216
C402	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C403	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C405	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C406	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C407	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C410	1-164-939-81 s	CAP, CHIPCERAMIC 2200PF B 1005
C414	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C415	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C416	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C417	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C418	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C419	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C420	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C421	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C422	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C423	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C424	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C426	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C427	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C430	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C437	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C438	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C439	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C440	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C441	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C443	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C445	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C446	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C447	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C448	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C449	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C450	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C500	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C501	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C502	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C503	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 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	1-112-717-91 s	CAP, CERAMIC 1UF 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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C700	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C702	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C704	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C705	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C706	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C707	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C710	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C712	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C713	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C714	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C800	1-164-852-81 s	CAP, CHIP CERAMIC 12PF CH 1005
C801	1-164-852-81 s	CAP, CHIP CERAMIC 12PF CH 1005
C802	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C803	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C804	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C805	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C806	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C807	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C808	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C809	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C810	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C811	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C813	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C814	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C816	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C916	1-164-852-81 s	CAP, CHIP CERAMIC 12PF CH 1005
C917	1-164-852-81 s	CAP, CHIP CERAMIC 12PF CH 1005
C918	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C919	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C920	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C921	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C922	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C923	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C924	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C925	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1000	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1001	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1003	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1004	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1005	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1006	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1101	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1200	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1201	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1202	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1203	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1205	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1206	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1209	1-114-569-11 s	CAP, CERAMIC 0.01MF X7R 1608
C1210	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1212	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1215	1-114-569-11 s	CAP, CERAMIC 0.01MF X7R 1608
C1216	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1218	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1219	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1220	1-114-570-11 s	CAP, CERAMIC 0.068MF X7R 1608
C1222	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1224	1-114-569-11 s	CAP, CERAMIC 0.01MF X7R 1608
C1226	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1227	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1228	1-114-570-11 s	CAP, CERAMIC 0.068MF X7R 1608
C1230	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1231	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1234	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1235	1-114-569-11 s	CAP, CERAMIC 0.01MF X7R 1608
C1236	1-114-570-11 s	CAP, CERAMIC 0.068MF X7R 1608
C1237	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1239	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1240	1-114-570-11 s	CAP, CERAMIC 0.068MF X7R 1608
C1256	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1257	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1258	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1259	1-116-707-11 s	CAP, CERAMIC 47MF X5R 3216
C1264	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1265	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1271	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1272	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1273	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1276	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1288	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)

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Ref. No. or Q'ty	Part No.	SP Description
C1289	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1290	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1508	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1510	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1511	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1512	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1544	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1546	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1548	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1549	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1557	1-164-937-81 s	CAP, CHIP CERAMIC 1000PF B 1005
C1558	1-164-937-81 s	CAP, CHIP CERAMIC 1000PF B 1005
C1600	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1601	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1602	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1603	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1604	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1605	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1606	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1704	1-112-692-81 s	CAP, CHIP CERAMIC 1000PF CH 1005
C1705	1-116-707-11 s	CAP, CERAMIC 47MF X5R 3216
C1706	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1707	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1708	1-116-707-11 s	CAP, CERAMIC 47MF X5R 3216
C1709	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1800	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1801	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1802	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1803	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2000	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C2001	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C2002	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2003	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C2004	1-164-848-81 s	CAP, CHIP CERAMIC 8PF CH 1005
C2005	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C2006	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C2007	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C2009	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C2010	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C2013	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2018	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2019	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2020	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C2022	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C2023	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2024	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2028	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2029	1-100-567-81 s	CAP, CHIP CERAMIC 0.01MF B 1005
C2030	1-164-934-81 s	CAP, CHIP CERAMIC 330PF B 1005
C2100	1-164-852-81 s	CAP, CHIP CERAMIC 12PF CH 1005
C2101	1-164-377-91 s	CAP, CERAMIC 13PF CH 1608
C2102	1-100-567-81 s	CAP, CHIP CERAMIC 0.01MF B 1005
C2103	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2104	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2105	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2106	1-116-707-11 s	CAP, CERAMIC 47MF X5R 3216
C2107	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2108	1-100-567-81 s	CAP, CHIP CERAMIC 0.01MF B 1005
C2109	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2110	1-100-567-81 s	CAP, CHIP CERAMIC 0.01MF B 1005
C2111	1-100-567-81 s	CAP, CHIP CERAMIC 0.01MF B 1005
C2112	1-100-567-81 s	CAP, CHIP CERAMIC 0.01MF B 1005
C2113	1-100-581-81 s	CAP, CHIP CERAMIC 0.0047MF B1005
C2114	1-100-581-81 s	CAP, CHIP CERAMIC 0.0047MF B1005
C2115	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C2212	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C2213	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C2214	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C2215	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C2216	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C2217	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C2218	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C2219	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C2220	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C2221	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C2223	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C2224	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C2225	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C2226	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
CN150	1-817-869-21 s	PIN, CONNECTOR 10P
CN200	1-817-456-21 s	CONNECTOR, COAXIAL
CN201	1-817-456-21 s	CONNECTOR, COAXIAL
CN202	1-793-358-21 s	PIN (PWB) (30P), CONNECTOR
CN205	1-794-283-21 s	PIN, CONNECTOR (FOR PWB) 40P
CN206	1-770-620-21 s	PIN, CONNECTOR 3P
CN1104	1-822-974-11 s	CONNECTOR, COAXIAL 40P
CN1700	1-770-622-21 s	PIN, CONNECTOR 5P
CN1701	1-818-513-21 s	CONNECTOR (SQUARE TYPE) (USB) 5P
CN2000	1-817-054-21 s	PIN, CONNECTOR 6P
CN2100	1-816-463-21 s	PIN, CONNECTOR (PC BOARD) 10P
D800	8-719-082-45 s	DIODE RB715W-TL
D801	6-502-598-01 s	DI SML-D12U8WT86
D802	6-502-598-01 s	DI SML-D12U8WT86
D2100	8-719-082-45 s	DIODE RB715W-TL
D2101	8-719-082-45 s	DIODE RB715W-TL
D2102	8-719-820-42 s	DIODE 1SS302-TE85L
D2103	8-719-820-42 s	DIODE 1SS302-TE85L
E1	1-535-877-22 s	CHIP, CHECKER
E2	1-535-877-22 s	CHIP, CHECKER
E3	1-535-877-22 s	CHIP, CHECKER
E4	1-535-877-22 s	CHIP, CHECKER
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
FB401	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB500	1-400-580-21 s	FERRITE, EMI (SMD)
FB501	1-400-580-21 s	FERRITE, EMI (SMD)
FB502	1-400-580-21 s	FERRITE, EMI (SMD)
FB800	1-400-580-21 s	FERRITE, EMI (SMD)
FB900	1-400-580-21 s	FERRITE, EMI (SMD)
FB901	1-400-580-21 s	FERRITE, EMI (SMD)
FB902	1-400-580-21 s	FERRITE, EMI (SMD)
FB903	1-400-580-21 s	FERRITE, EMI (SMD)
FB1000	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1001	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1002	1-400-580-21 s	FERRITE, EMI (SMD)
FB1003	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1200	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1208	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1500	1-469-094-21 s	FERRITE, EMI (SMD) (1608)
FB1610	1-400-580-21 s	FERRITE, EMI (SMD)
FB1612	1-400-580-21 s	FERRITE, EMI (SMD)
FB2002	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB2204	1-400-580-21 s	FERRITE, EMI (SMD)
FB2205	1-400-580-21 s	FERRITE, EMI (SMD)
FB2208	1-400-580-21 s	FERRITE, EMI (SMD)
FB2209	1-400-580-21 s	FERRITE, EMI (SMD)

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Ref. No. or Q'ty	Part No.	SP Description
FB2211	1-400-580-21 s	FERRITE, EMI (SMD)
FB2212	1-400-580-21 s	FERRITE, EMI (SMD)
FB2215	1-400-580-21 s	FERRITE, EMI (SMD)
FB2218	1-400-580-21 s	FERRITE, EMI (SMD)
FB2221	1-400-580-21 s	FERRITE, EMI (SMD)
FB2222	1-400-580-21 s	FERRITE, EMI (SMD)
FL400	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL401	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL402	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL403	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL404	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL405	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL406	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL407	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL408	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL700	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL701	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1200	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1201	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1202	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1203	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1204	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1205	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1206	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1208	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1209	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1210	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1211	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1212	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1213	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1214	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1501	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1502	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1503	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1504	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1505	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1506	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1600	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL2001	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL2002	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL2003	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL2004	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL2005	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL2006	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
IC200	6-715-164-01 s	IC TPS2553DBVR
IC201	6-715-164-01 s	IC TPS2553DBVR
IC400	6-717-739-01 s	IC MT47H128M16RT-25E
IC401	6-717-739-01 s	IC MT47H128M16RT-25E
IC502	6-600-060-01 s	IC TC7W232FK
IC700	6-714-421-01 s	IC UPD720101F1-EA8-E2-A
IC802	6-715-659-01 s	IC PST8428UL
IC900	6-720-457-01 s	IC PI6C557-05LEX
IC901	6-720-456-01 s	IC PI6C20800SIAEX
IC1000	6-703-875-01 s	IC CDCVF2505PWR
IC1001	6-711-497-01 s	IC TC74VCX541FK (EL)
IC1002	6-705-673-01 s	IC TC7PA53FU (TE85L.F)
IC1003	6-705-673-01 s	IC TC7PA53FU (TE85L.F)
IC1100	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC1200	6-708-889-01 s	IC MP2105DJ-LF-Z
IC1201	6-703-976-01 s	IC R1114Q181D-TR-FE
IC1601	6-718-203-01 s	IC THGBM4G6D2HBAIR
IC1702	6-715-164-01 s	IC TPS2553DBVR
IC1800	6-708-478-01 s	IC RX-8025NB
IC1801	8-759-592-47 s	IC TC7SZ08FU (TE85R)

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Ref. No. or Q'ty	Part No.	SP Description
IC1802	6-711-915-01 s	IC LM73CIMK-0
IC1803	6-716-459-01 s	IC M24256-BWMN6TP
IC2000	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC2002	8-759-592-50 s	IC TC7SZ126FU (TE85R)
IC2102	6-715-659-01 s	IC PST8428UL
IC2103	8-759-592-47 s	IC TC7SZ08FU (TE85R)
IC2207	6-708-889-01 s	IC MP2105DJ-LF-Z
IC2208	6-717-025-01 s	IC MM3404Z11NRE
L1200	1-481-992-11 s	INDUCTOR 1UH (2520)
L1705	1-481-265-21 s	COMMON MODE CHOKE COIL
L2200	1-457-852-11 s	COIL, CHOKE 1.2UH
L2201	1-457-852-11 s	COIL, CHOKE 1.2UH
L2202	1-457-852-11 s	COIL, CHOKE 1.2UH
L2203	1-481-992-11 s	INDUCTOR 1UH (2520)
Q200	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q2001	8-729-929-27 s	TRANSISTOR DTC114TE-TL
Q2002	8-729-929-27 s	TRANSISTOR DTC114TE-TL
Q2101	6-551-041-01 s	TR RN4904
R207	1-218-973-81 s	RES, CHIP 47K
R208	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R209	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R210	1-218-929-81 s	RES, CHIP 10
R211	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R300	1-218-973-81 s	RES, CHIP 47K
R301	1-218-973-81 s	RES, CHIP 47K
R304	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R305	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R306	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R308	1-218-973-81 s	RES, CHIP 47K
R309	1-218-973-81 s	RES, CHIP 47K
R311	1-218-973-81 s	RES, CHIP 47K
R318	1-218-933-81 s	RES, CHIP 22
R320	1-218-973-81 s	RES, CHIP 47K
R321	1-218-973-81 s	RES, CHIP 47K
R322	1-218-973-81 s	RES, CHIP 47K
R323	1-218-973-81 s	RES, CHIP 47K
R400	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R402	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R403	1-218-965-81 s	RES, CHIP 10K 1005
R405	1-218-933-81 s	RES, CHIP 22
R406	1-218-933-81 s	RES, CHIP 22
R407	1-218-933-81 s	RES, CHIP 22
R409	1-218-933-81 s	RES, CHIP 22
R410	1-218-933-81 s	RES, CHIP 22
R411	1-218-933-81 s	RES, CHIP 22
R412	1-218-933-81 s	RES, CHIP 22
R413	1-218-933-81 s	RES, CHIP 22
R414	1-218-933-81 s	RES, CHIP 22
R415	1-218-933-81 s	RES, CHIP 22
R416	1-218-933-81 s	RES, CHIP 22
R417	1-218-933-81 s	RES, CHIP 22
R418	1-218-933-81 s	RES, CHIP 22
R419	1-218-933-81 s	RES, CHIP 22
R420	1-218-933-81 s	RES, CHIP 22
R421	1-218-933-81 s	RES, CHIP 22
R422	1-218-933-81 s	RES, CHIP 22
R423	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R424	1-218-933-81 s	RES, CHIP 22
R425	1-218-933-81 s	RES, CHIP 22
R426	1-218-933-81 s	RES, CHIP 22
R427	1-218-933-81 s	RES, CHIP 22
R428	1-218-933-81 s	RES, CHIP 22
R429	1-218-933-81 s	RES, CHIP 22
R430	1-218-933-81 s	RES, CHIP 22

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R431	1-218-933-81 s	RES, CHIP 22
R432	1-218-943-81 s	RES, CHIP 150
R433	1-218-943-81 s	RES, CHIP 150
R446	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R448	1-218-943-81 s	RES, CHIP 150
R449	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R450	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R451	1-218-965-81 s	RES, CHIP 10K 1005
R452	1-218-943-81 s	RES, CHIP 150
R453	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R454	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R500	1-208-891-81 s	RES, CHIP 1.5K (1005)
R502	1-220-884-81 s	RES, CHIP 39 (1005)
R503	1-220-884-81 s	RES, CHIP 39 (1005)
R504	1-208-891-81 s	RES, CHIP 1.5K (1005)
R505	1-218-933-81 s	RES, CHIP 22
R506	1-218-933-81 s	RES, CHIP 22
R507	1-218-933-81 s	RES, CHIP 22
R509	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R510	1-218-967-81 s	RES, CHIP 15K
R513	1-250-517-11 s	RES, METAL FILM CHIP 8.2K(1005)
R514	1-218-933-81 s	RES, CHIP 22
R600	1-218-941-81 s	RES, CHIP 100
R601	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R602	1-218-961-81 s	RES, CHIP 4.7K
R700	1-218-941-81 s	RES, CHIP 100
R702	1-218-973-81 s	RES, CHIP 47K
R703	1-218-973-81 s	RES, CHIP 47K
R704	1-218-973-81 s	RES, CHIP 47K
R705	1-220-883-81 s	RES, CHIP 36 (1005)
R706	1-220-883-81 s	RES, CHIP 36 (1005)
R707	1-220-883-81 s	RES, CHIP 36 (1005)
R708	1-220-883-81 s	RES, CHIP 36 (1005)
R709	1-220-883-81 s	RES, CHIP 36 (1005)
R710	1-220-883-81 s	RES, CHIP 36 (1005)
R711	1-220-883-81 s	RES, CHIP 36 (1005)
R712	1-220-883-81 s	RES, CHIP 36 (1005)
R713	1-220-883-81 s	RES, CHIP 36 (1005)
R714	1-220-883-81 s	RES, CHIP 36 (1005)
R715	1-208-910-81 s	RES, CHIP 9.1K (1005)
R716	1-208-856-81 s	RES, CHIP 51 (1005)
R718	1-218-973-81 s	RES, CHIP 47K
R724	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R727	1-218-967-81 s	RES, CHIP 15K
R728	1-218-967-81 s	RES, CHIP 15K
R729	1-218-967-81 s	RES, CHIP 15K
R730	1-218-967-81 s	RES, CHIP 15K
R731	1-218-967-81 s	RES, CHIP 15K
R732	1-218-967-81 s	RES, CHIP 15K
R733	1-218-967-81 s	RES, CHIP 15K
R734	1-218-967-81 s	RES, CHIP 15K
R735	1-218-967-81 s	RES, CHIP 15K
R736	1-218-967-81 s	RES, CHIP 15K
R737	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R800	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R801	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R802	1-218-957-81 s	RES, CHIP 2.2K
R803	1-218-957-81 s	RES, CHIP 2.2K
R804	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R805	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R806	1-218-973-81 s	RES, CHIP 47K
R807	1-218-973-81 s	RES, CHIP 47K
R808	1-218-973-81 s	RES, CHIP 47K
R817	1-218-973-81 s	RES, CHIP 47K
R818	1-218-977-81 s	RES, CHIP 100K

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Ref. No. or Q'ty	Part No.	SP Description
R819	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R820	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R821	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R822	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R823	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R825	1-218-973-81 s	RES, CHIP 47K
R826	1-218-973-81 s	RES, CHIP 47K
R827	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R828	1-218-973-81 s	RES, CHIP 47K
R829	1-218-957-81 s	RES, CHIP 2.2K
R830	1-218-957-81 s	RES, CHIP 2.2K
R832	1-218-953-81 s	RES, CHIP 1.0K
R833	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R842	1-218-933-81 s	RES, CHIP 22
R843	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R846	1-218-973-81 s	RES, CHIP 47K
R847	1-218-973-81 s	RES, CHIP 47K
R848	1-218-973-81 s	RES, CHIP 47K
R849	1-218-973-81 s	RES, CHIP 47K
R850	1-218-973-81 s	RES, CHIP 47K
R901	1-218-961-81 s	RES, CHIP 4.7K
R902	1-218-953-81 s	RES, CHIP 1.0K
R903	1-218-953-81 s	RES, CHIP 1.0K
R908	1-245-567-81 s	RES, CHIP 49.9 (1005)
R909	1-245-567-81 s	RES, CHIP 49.9 (1005)
R910	1-245-567-81 s	RES, CHIP 49.9 (1005)
R911	1-245-567-81 s	RES, CHIP 49.9 (1005)
R912	1-245-567-81 s	RES, CHIP 49.9 (1005)
R913	1-245-567-81 s	RES, CHIP 49.9 (1005)
R914	1-245-567-81 s	RES, CHIP 49.9 (1005)
R915	1-245-567-81 s	RES, CHIP 49.9 (1005)
R924	1-218-957-81 s	RES, CHIP 2.2K
R925	1-218-957-81 s	RES, CHIP 2.2K
R930	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R931	1-218-961-81 s	RES, CHIP 4.7K
R932	1-218-961-81 s	RES, CHIP 4.7K
R933	1-218-961-81 s	RES, CHIP 4.7K
R934	1-218-961-81 s	RES, CHIP 4.7K
R935	1-218-961-81 s	RES, CHIP 4.7K
R936	1-208-879-81 s	RES, CHIP 470 (1005)
R937	1-220-803-81 s	RES, CHIP 4.7
R950	1-208-879-81 s	RES, CHIP 470 (1005)
R952	1-218-961-81 s	RES, CHIP 4.7K
R953	1-218-961-81 s	RES, CHIP 4.7K
R954	1-218-961-81 s	RES, CHIP 4.7K
R955	1-218-961-81 s	RES, CHIP 4.7K
R957	1-245-567-81 s	RES, CHIP 49.9 (1005)
R958	1-220-803-81 s	RES, CHIP 4.7
R959	1-245-567-81 s	RES, CHIP 49.9 (1005)
R968	1-245-567-81 s	RES, CHIP 49.9 (1005)
R969	1-245-567-81 s	RES, CHIP 49.9 (1005)
R970	1-245-567-81 s	RES, CHIP 49.9 (1005)
R971	1-245-567-81 s	RES, CHIP 49.9 (1005)
R972	1-245-567-81 s	RES, CHIP 49.9 (1005)
R973	1-245-567-81 s	RES, CHIP 49.9 (1005)
R974	1-245-567-81 s	RES, CHIP 49.9 (1005)
R975	1-245-567-81 s	RES, CHIP 49.9 (1005)
R976	1-218-961-81 s	RES, CHIP 4.7K
R977	1-218-961-81 s	RES, CHIP 4.7K
R1016	1-218-961-81 s	RES, CHIP 4.7K
R1019	1-218-973-81 s	RES, CHIP 47K
R1025	1-218-973-81 s	RES, CHIP 47K
R1032	1-218-953-81 s	RES, CHIP 1.0K
R1035	1-218-973-81 s	RES, CHIP 47K
R1036	1-218-961-81 s	RES, CHIP 4.7K

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R1037	1-218-965-81 s	RES, CHIP 10K 1005
R1038	1-218-965-81 s	RES, CHIP 10K 1005
R1039	1-218-965-81 s	RES, CHIP 10K 1005
R1040	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1041	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1044	1-218-933-81 s	RES, CHIP 22
R1045	1-218-933-81 s	RES, CHIP 22
R1046	1-218-933-81 s	RES, CHIP 22
R1047	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1049	1-218-933-81 s	RES, CHIP 22
R1050	1-218-933-81 s	RES, CHIP 22
R1051	1-218-933-81 s	RES, CHIP 22
R1052	1-218-933-81 s	RES, CHIP 22
R1053	1-218-933-81 s	RES, CHIP 22
R1054	1-218-933-81 s	RES, CHIP 22
R1055	1-218-933-81 s	RES, CHIP 22
R1056	1-218-933-81 s	RES, CHIP 22
R1058	1-218-933-81 s	RES, CHIP 22
R1100	1-218-933-81 s	RES, CHIP 22
R1103	1-218-933-81 s	RES, CHIP 22
R1104	1-218-933-81 s	RES, CHIP 22
R1105	1-218-953-81 s	RES, CHIP 1.0K
R1106	1-218-953-81 s	RES, CHIP 1.0K
R1119	1-218-961-81 s	RES, CHIP 4.7K
R1121	1-218-961-81 s	RES, CHIP 4.7K
R1126	1-218-933-81 s	RES, CHIP 22
R1127	1-218-961-81 s	RES, CHIP 4.7K
R1128	1-218-933-81 s	RES, CHIP 22
R1134	1-218-949-81 s	RES, CHIP 470
R1135	1-218-949-81 s	RES, CHIP 470
R1139	1-218-961-81 s	RES, CHIP 4.7K
R1141	1-218-941-81 s	RES, CHIP 100
R1142	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1143	1-218-961-81 s	RES, CHIP 4.7K
R1144	1-218-961-81 s	RES, CHIP 4.7K
R1149	1-218-961-81 s	RES, CHIP 4.7K
R1150	1-218-961-81 s	RES, CHIP 4.7K
R1155	1-218-965-81 s	RES, CHIP 10K 1005
R1156	1-218-977-81 s	RES, CHIP 100K
R1157	1-218-933-81 s	RES, CHIP 22
R1158	1-218-933-81 s	RES, CHIP 22
R1159	1-218-957-81 s	RES, CHIP 2.2K
R1201	1-208-943-81 s	RES, CHIP 220K (1005)
R1202	1-208-947-81 s	RES, CHIP 330K (1005)
R1400	1-218-929-81 s	RES, CHIP 10
R1403	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1404	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1506	1-218-945-81 s	RES, CHIP 220
R1507	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1508	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1509	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1510	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1511	1-218-965-81 s	RES, CHIP 10K 1005
R1512	1-218-965-81 s	RES, CHIP 10K 1005
R1602	1-218-965-81 s	RES, CHIP 10K 1005
R1611	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1618	1-218-933-81 s	RES, CHIP 22
R1619	1-218-933-81 s	RES, CHIP 22
R1635	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1639	1-218-933-81 s	RES, CHIP 22
R1640	1-218-937-81 s	RES, CHIP 47
R1642	1-218-933-81 s	RES, CHIP 22
R1643	1-218-937-81 s	RES, CHIP 47
R1644	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1647	1-218-961-81 s	RES, CHIP 4.7K

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R1648	1-218-961-81 s	RES, CHIP 4.7K
R1700	1-250-513-11 o	RES,METAL FILM CHIP 5.6K(1005)
R1701	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1709	1-218-977-81 s	RES, CHIP 100K
R1712	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R1713	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R1714	1-218-977-81 s	RES, CHIP 100K
R1715	1-218-929-81 s	RES, CHIP 10
R1800	1-218-953-81 s	RES, CHIP 1.0K
R1801	1-218-953-81 s	RES, CHIP 1.0K
R1804	1-218-929-81 s	RES, CHIP 10
R1805	1-218-929-81 s	RES, CHIP 10
R1809	1-218-929-81 s	RES, CHIP 10
R1810	1-218-929-81 s	RES, CHIP 10
R1811	1-218-929-81 s	RES, CHIP 10
R1813	1-218-929-81 s	RES, CHIP 10
R1814	1-218-929-81 s	RES, CHIP 10
R1817	1-218-933-81 s	RES, CHIP 22
R1820	1-218-973-81 s	RES, CHIP 47K
R1821	1-218-973-81 s	RES, CHIP 47K
R1836	1-218-973-81 s	RES, CHIP 47K
R1900	1-218-933-81 s	RES, CHIP 22
R1901	1-218-933-81 s	RES, CHIP 22
R1922	1-218-965-81 s	RES, CHIP 10K 1005
R1923	1-218-965-81 s	RES, CHIP 10K 1005
R1924	1-218-961-81 s	RES, CHIP 4.7K
R1935	1-218-973-81 s	RES, CHIP 47K
R1936	1-218-973-81 s	RES, CHIP 47K
R1937	1-218-973-81 s	RES, CHIP 47K
R1938	1-218-973-81 s	RES, CHIP 47K
R2010	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2014	1-218-929-81 s	RES, CHIP 10
R2016	1-218-929-81 s	RES, CHIP 10
R2017	1-218-929-81 s	RES, CHIP 10
R2018	1-218-929-81 s	RES, CHIP 10
R2019	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2020	1-218-977-81 s	RES, CHIP 100K
R2021	1-218-977-81 s	RES, CHIP 100K
R2024	1-208-892-81 s	RES, CHIP 1.6K (1005)
R2025	1-208-892-81 s	RES, CHIP 1.6K (1005)
R2026	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2027	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2028	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2029	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2032	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R2033	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R2036	1-218-977-81 s	RES, CHIP 100K
R2100	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2101	1-245-604-81 s	RES, CHIP 10M (1005)
R2104	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2105	1-218-961-81 s	RES, CHIP 4.7K
R2106	1-208-893-81 s	RES, CHIP 1.8K (1005)
R2107	1-218-977-81 s	RES, CHIP 100K
R2109	1-208-907-81 s	RES, CHIP 6.8K (1005)
R2123	1-218-953-81 s	RES, CHIP 1.0K
R2124	1-218-965-81 s	RES, CHIP 10K 1005
R2160	1-208-939-81 s	RES, CHIP 150K (1005)
R2161	1-208-959-81 s	RES, CHIP 1M (1005)
R2164	1-218-977-81 s	RES, CHIP 100K
R2166	1-208-939-81 s	RES, CHIP 150K (1005)
R2167	1-208-959-81 s	RES, CHIP 1M (1005)
R2168	1-218-977-81 s	RES, CHIP 100K
R2170	1-218-945-81 s	RES, CHIP 220
R2171	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2172	1-218-990-81 s	CONDUCTOR, CHIP (1005)

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R2173	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2174	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2175	1-218-945-81 s	RES, CHIP 220
R2176	1-218-945-81 s	RES, CHIP 220
R2177	1-218-945-81 s	RES, CHIP 220
R2178	1-218-945-81 s	RES, CHIP 220
R2179	1-218-929-81 s	RES, CHIP 10
R2180	1-218-929-81 s	RES, CHIP 10
R2181	1-218-977-81 s	RES, CHIP 100K
R2182	1-218-929-81 s	RES, CHIP 10
R2183	1-218-977-81 s	RES, CHIP 100K
R2201	1-208-935-81 s	RES, CHIP 100K (1005)
R2202	1-208-939-81 s	RES, CHIP 150K (1005)
R2204	1-208-935-81 s	RES, CHIP 100K (1005)
R2205	1-208-935-81 s	RES, CHIP 100K (1005)
R2206	1-208-935-81 s	RES, CHIP 100K (1005)
R2208	1-208-943-81 s	RES, CHIP 220K (1005)
R2209	1-208-951-81 s	RES, CHIP 470K (1005)
R2210	1-208-903-81 s	RES, CHIP 4.7K (1005)
R2211	1-208-942-81 s	RES, CHIP 200K (1005)
R2212	1-208-943-81 s	RES, CHIP 220K (1005)
R2213	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R2214	1-250-521-11 s	RES, METAL FILM CHIP 12K(1005)
RB300	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB301	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB302	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB303	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB306	1-234-400-21 s	CONDUCTOR, NETWORK (1005X4)
RB307	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB308	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB309	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB310	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB311	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB312	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB313	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB314	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB600	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB601	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB602	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB603	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB604	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB605	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB606	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB607	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB608	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB609	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB610	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB611	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB612	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB613	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB700	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB800	1-234-400-21 s	CONDUCTOR, NETWORK (1005X4)
RB801	1-234-400-21 s	CONDUCTOR, NETWORK (1005X4)
RB1000	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1001	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB1100	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1102	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB1103	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB1104	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB1105	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB1400	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB1401	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB1402	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB1403	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB1404	1-234-369-21 s	RES, NETWORK 10 (1005X4)

AVP-19 BOARD

Ref. No. or Q'ty	Part No.	SP Description
RB1405	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB1406	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB1407	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB1600	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB1601	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB1602	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB1901	1-234-378-21 s	RES, NETWORK 10K (1005X4)
TP001	1-780-638-22 s	CONTACT TERMINAL
TP002	1-780-638-22 s	CONTACT TERMINAL
TP003	1-780-638-22 s	CONTACT TERMINAL
TP004	1-780-638-22 s	CONTACT TERMINAL
TP005	1-780-638-22 s	CONTACT TERMINAL
VDR003	1-805-774-21 s	VARISTOR, CHIP
VDR004	1-805-774-21 s	VARISTOR, CHIP
X500	1-813-264-11 s	OSCILLATOR, CRYSTAL
X701	1-814-367-11 s	QUARTZ CRYSTAL UNITS 30MHZ (30 MHz)
X801	1-814-384-11 s	QUARTZ CRYSTAL UNIT (24 MHz)
X900	1-814-363-11 s	QUARTZ CRYSTAL UNIT (25 MHz)
X1000	1-813-493-11 s	OSCILLATOR, CRYSTAL
X1001	1-814-063-11 s	OSCILLATOR, CRYSTAL 54MHZ
X2000	1-814-543-11 s	QUARTZ CRYSTAL UNITS 11.2896MH (11.2896 MHz)
X2001	1-814-384-11 s	QUARTZ CRYSTAL UNIT (24 MHz)
X2100	1-781-696-31 s	VIBRATOR, CRYSTAL (32.768 KHz)

AXM-47 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-355-A s	MOUNTED CIRCUIT BOARD, AXM-47
C103	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C104	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C105	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C106	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C107	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C108	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C109	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C110	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C111	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C112	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C113	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C114	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C115	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C116	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
CN107	1-817-941-12 s	CONNECTOR, ROUND TYPE 3P
CN108	1-817-941-12 s	CONNECTOR, ROUND TYPE 3P
CN110	1-793-076-21 o	CONNECTOR, BOARD TO BOARD 36P
FB101	1-481-377-21 s	FERRITE, EMI (SMD)
FB102	1-481-377-21 s	FERRITE, EMI (SMD)
FB103	1-481-377-21 s	FERRITE, EMI (SMD)
FB104	1-481-377-21 s	FERRITE, EMI (SMD)
FB105	1-481-377-21 s	FERRITE, EMI (SMD)
FB106	1-481-377-21 s	FERRITE, EMI (SMD)
IC101	6-704-931-01 s	IC MAX3281EAUT+T
IC102	6-704-931-01 s	IC MAX3281EAUT+T
L101	1-428-965-11 s	COIL, CHOKE (SMD)
L102	1-428-965-11 s	COIL, CHOKE (SMD)
R101	1-218-965-81 s	RES, CHIP 10K 1005
R102	1-218-965-81 s	RES, CHIP 10K 1005

BI-290 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C128	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C129	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C130	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C131	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C132	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C133	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C134	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C135	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C144	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C145	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C146	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C147	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C148	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C149	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C150	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C151	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C152	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C153	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C154	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C155	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C156	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C157	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C158	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C159	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C160	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C161	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C162	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C163	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C164	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C168	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C169	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C170	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C171	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C172	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C173	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C174	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C175	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C196	1-116-100-11 s	CAP, ELECT 220MF 105
C197	1-116-100-11 s	CAP, ELECT 220MF 105
C198	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C199	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C200	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C201	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C202	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C203	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C212	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C213	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C215	1-116-100-11 s	CAP, ELECT 220MF 105
C222	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C223	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C225	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C227	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C231	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C232	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C236	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C237	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C238	1-112-300-91 s	CAP, CERAMIC 4.7MF B (2012)
C240	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C241	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C242	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C243	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C244	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)

BI-290 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C245	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C246	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C259	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C260	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C261	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C263	1-112-300-91 s	CAP, CERAMIC 4.7MF B (2012)
C264	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
CN3	1-817-456-21 s	CONNECTOR, COAXIAL
CN4	1-817-456-21 s	CONNECTOR, COAXIAL
D001	6-500-695-01 s	DI UDZSUSTE-172.7B
D002	6-500-695-01 s	DI UDZSUSTE-172.7B
IC10	6-709-220-01 s	IC SN74AVC2T45DCUR
IC011	6-715-041-01 s	IC TC7SZ125FU,RSOYJ
IC013	6-712-135-01 o	IC R1173H001D-T1-FE
IC022	8-759-327-01 s	IC NJM062V(Te2)
IC023	6-704-976-01 s	IC ADR381ARTZ-REEL7
Q001	6-550-631-01 s	TRANSISTOR 2SA1797-T100-Q
Q002	6-550-631-01 s	TRANSISTOR 2SA1797-T100-Q
R3	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R4	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R5	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R6	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R7	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R8	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R19	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R20	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R21	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R22	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R23	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R24	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R25	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R26	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R27	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R28	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R29	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R30	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R31	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R32	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R33	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R34	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R35	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R36	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R41	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R42	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R43	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R44	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R45	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R46	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R47	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R51	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R53	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R58	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R59	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R76	1-250-447-11 s	RES, METAL FILM CHIP 10 (1005)
R77	1-250-447-11 s	RES, METAL FILM CHIP 10 (1005)
R81	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R83	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R86	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R88	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R090	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R092	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R094	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)

BI-290 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R095	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R096	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R101	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R102	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R110	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R111	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R113	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R115	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R117	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R118	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R125	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R136	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R144	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R158	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R165	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R167	1-250-523-11 o	RES, METAL FILM CHIP 15K(1005)
R168	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R169	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R170	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R171	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R172	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R173	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R175	1-218-990-81 s	CONDUCTOR, CHIP (1005)
X2	1-814-185-11 s	OSCILLATOR, CRYSTAL

BI-290A BOARD

Ref. No. or Q'ty	Part No.	SP Description
C1	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C2	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C3	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C4	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C5	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C6	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C7	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C8	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C11	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C12	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C15	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C16	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C17	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C18	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C19	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C20	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C21	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C22	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C23	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C24	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C25	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C27	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C28	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C29	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C30	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C31	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C32	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C41	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C42	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C43	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C44	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C45	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C46	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

BI-290A BOARD

Ref. No. or Q'ty	Part No.	SP Description
C47	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C48	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C49	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C50	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C51	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C52	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C53	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C54	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C55	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C56	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C57	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C58	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C59	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C60	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C61	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C62	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C63	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C64	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C65	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C66	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C67	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C68	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C69	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C70	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C71	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C72	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C73	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C74	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C75	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C76	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C77	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C78	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C79	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C80	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C81	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C82	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C83	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C84	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C85	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C86	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C87	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C88	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C89	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C90	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C91	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C92	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C93	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C94	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C95	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C96	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C97	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C98	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C99	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C100	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C101	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C102	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C103	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C104	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C105	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C106	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C107	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C108	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C109	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C110	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C111	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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Ref. No. or Q'ty	Part No.	SP Description
C112	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C113	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C114	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C115	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C116	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C117	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C118	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C119	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C120	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C121	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C122	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C123	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C124	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C125	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C126	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C127	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C128	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C129	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C130	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C131	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C132	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C133	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C134	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C135	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C144	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C145	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C146	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C147	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C148	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C149	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C150	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C151	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C152	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C153	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C154	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C155	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C156	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C157	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C158	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C159	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C160	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C161	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C162	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C163	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C164	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C168	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C169	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C170	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C171	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C172	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C173	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C174	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C175	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C196	1-116-100-11 s	CAP, ELECT 220MF 105
C197	1-116-100-11 s	CAP, ELECT 220MF 105
C198	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C199	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C200	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C201	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C202	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C203	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C204	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)

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Ref. No. or Q'ty	Part No.	SP Description
C205	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C206	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C207	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C208	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C209	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C210	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C211	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C212	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C213	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C215	1-116-100-11 s	CAP, ELECT 220MF 105
C222	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C223	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C225	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C227	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C231	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C232	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C234	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C235	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C236	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C237	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C238	1-112-300-91 s	CAP, CERAMIC 4.7MF B (2012)
C240	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C241	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C242	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C243	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C244	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C245	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C246	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C247	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C248	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C249	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C250	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C251	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C252	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C253	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C254	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C259	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C260	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C261	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C263	1-112-300-91 s	CAP, CERAMIC 4.7MF B (2012)
C264	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C265	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
C266	1-114-548-11 s	CAP, NIOBIUM ELECT 22UF
D001	6-500-695-01 s	DI UDZSUSTE-172.7B
D002	6-500-695-01 s	DI UDZSUSTE-172.7B
IC10	6-709-220-01 s	IC SN74AVC2T45DCUR
IC011	6-715-041-01 s	IC TC7SZ125FU,RSOYJ
IC013	6-712-135-01 o	IC R1173H001D-T1-FE
IC020	6-711-852-01 s	IC LTC1844ES5-BYP
IC022	8-759-327-01 s	IC NJM062V (TE2)
IC023	6-704-976-01 s	IC ADR381ARTZ-REEL7
Q001	6-550-631-01 s	TRANSISTOR 2SA1797-T100-Q
Q002	6-550-631-01 s	TRANSISTOR 2SA1797-T100-Q
R3	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R4	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R5	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R6	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R7	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R8	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R19	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R20	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R21	1-216-864-91 s	CONDUCTOR, CHIP (1608)

BI-290A BOARD

Ref. No. or Q'ty	Part No.	SP Description
R22	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R23	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R24	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R25	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R26	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R27	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R28	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R29	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R30	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R31	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R32	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R33	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R34	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R35	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R36	1-216-864-91 s	CONDUCTOR, CHIP (1608)
R46	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R60	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R76	1-250-447-11 s	RES, METAL FILM CHIP 10 (1005)
R77	1-250-447-11 s	RES, METAL FILM CHIP 10 (1005)
R80	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R83	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R88	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R090	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R092	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R094	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R096	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R101	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R102	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R106	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R107	1-250-523-11 o	RES, METAL FILM CHIP 15K(1005)
R109	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R110	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R111	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R112	1-250-515-11 s	RES,METAL FILM CHIP 6.8K(1005)
R113	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R115	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R117	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R125	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R136	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R144	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R158	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R165	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R166	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R167	1-250-523-11 o	RES, METAL FILM CHIP 15K(1005)
R168	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R169	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R170	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R171	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R172	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R173	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R174	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R178	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R179	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R180	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R181	1-218-990-81 s	CONDUCTOR, CHIP (1005)
X2	1-814-185-11 s	OSCILLATOR, CRYSTAL

CN-3527 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-356-A s	MOUNTED CIRCUIT BOARD, CN-3527

CN-3527 BOARD

Ref. No. or Q'ty	Part No.	SP Description
2pcs	2-640-315-02 o	SCREW (M2X5), SMALL, +P, SW
4pcs	4-428-365-01 s	SPACER, V-OUT
1pc	4-458-856-02 s	FRAME (BNC BOX)
1pc	4-458-857-01 s	KNOB (TC), SWITCH
1pc	4-458-858-01 s	PLATE, TC ORNAMENTAL
CN100	1-766-380-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN101	1-766-380-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN102	1-766-380-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN103	1-766-380-11 s	CONNECTOR, COAXIAL (BNC TYPE)
CN104	1-793-152-21 o	CONNECTOR 11P
ET100	1-780-627-11 s	TERMINAL, LUG
ET101	1-780-627-11 s	TERMINAL, LUG
FB100	1-400-331-21 s	FERRITE, EMI (SMD) (1005)
FB101	1-400-331-21 s	FERRITE, EMI (SMD) (1005)
FB102	1-400-331-21 s	FERRITE, EMI (SMD) (1005)
FL100	1-239-897-31 s	FILTER, EMI (SMD)
FL101	1-239-897-31 s	FILTER, EMI (SMD)
FL102	1-239-897-31 s	FILTER, EMI (SMD)
S100	1-771-140-21 s	SWITCH, SLIDE
VDR100	1-803-742-21 s	VARISTOR, CHIP
VDR101	1-803-742-21 s	VARISTOR, CHIP
VDR102	1-803-742-21 s	VARISTOR, CHIP
VDR103	1-803-742-21 s	VARISTOR, CHIP

CN-3528 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-357-A s	MOUNTED CIRCUIT BOARD, CN-3528
C1000	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1003	1-100-911-11 s	CAP, CERAMIC 4.7MF X7R (3216)
C1006	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
CN1000	1-794-283-21 s	PIN, CONNECTOR (FOR PWB) 40P
CN1001	1-817-109-11 s	CONNECTOR, USB (A)
CN1002	1-818-513-21 s	CONNECTOR (SQUARE TYPE) (USB) 5P
D1000	8-719-085-26 s	DIODE CL-165HR/SYG-D-T
FB1000	1-400-382-21 s	EMI FERRITE (SMD) (1608)
FB1001	1-469-110-21 s	FERRITE, EMI (SMD) (1608)
FB1002	1-469-110-21 s	FERRITE, EMI (SMD) (1608)
FB1003	1-469-110-21 s	FERRITE, EMI (SMD) (1608)
FB1004	1-469-110-21 s	FERRITE, EMI (SMD) (1608)
FB1005	1-469-110-21 s	FERRITE, EMI (SMD) (1608)
FB1006	1-469-110-21 s	FERRITE, EMI (SMD) (1608)
FB1007	1-469-110-21 s	FERRITE, EMI (SMD) (1608)
FB1008	1-469-110-21 s	FERRITE, EMI (SMD) (1608)
FB1009	1-469-110-21 s	FERRITE, EMI (SMD) (1608)
IC1000	6-701-917-01 s	IC TC7PA34FU(TE85R)
L1000	1-457-223-11 s	COMMON MODE CHOKE COIL
L1001	1-457-223-11 s	COMMON MODE CHOKE COIL
Q1000	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q1001	8-729-929-09 s	TRANSISTOR DTC123JE-TL
R1000	1-208-895-81 s	RES, CHIP 2.2K (1005)
R1001	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1002	1-218-953-81 s	RES, CHIP 1.0K
R1003	1-218-953-81 s	RES, CHIP 1.0K
R1004	1-218-933-81 s	RES, CHIP 22
R1005	1-218-933-81 s	RES, CHIP 22

CN-3528 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R1006	1-218-933-81 s	RES, CHIP 22
R1009	1-218-933-81 s	RES, CHIP 22
R1010	1-218-933-81 s	RES, CHIP 22
R1013	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1015	1-218-990-81 s	CONDUCTOR, CHIP (1005)
THP100 	1-802-063-21 s	THERMISTOR, POSITIVE
VDR100	1-805-774-21 s	VARISTOR, CHIP
VDR101	1-805-774-21 s	VARISTOR, CHIP
VDR102	1-805-774-21 s	VARISTOR, CHIP
VDR103	1-805-774-21 s	VARISTOR, CHIP

CN-3530 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-358-A s	MOUNTED CIRCUIT BOARD, CN-3530
C101	1-126-405-21 s	CAP, CHIP ELECT 10MF (6.3X5.7)
C102	1-126-405-21 s	CAP, CHIP ELECT 10MF (6.3X5.7)
C103	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C104	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C105	1-126-405-21 s	CAP, CHIP ELECT 10MF (6.3X5.7)
C106	1-126-405-21 s	CAP, CHIP ELECT 10MF (6.3X5.7)
C107	1-126-405-21 s	CAP, CHIP ELECT 10MF (6.3X5.7)
C108	1-126-405-21 s	CAP, CHIP ELECT 10MF (6.3X5.7)
C109	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C110	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C111	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C112	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C113	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C114	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C115	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C116	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C117	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C118	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
CN103	1-794-142-31 s	CONNECTOR, FFC/FPC(ZIF) AN 36P
CN106	1-818-455-11 s	CONNECTOR, BOARD TO BOARD 40P
D101	8-719-024-71 s	DIODE 1SS362-TE85L
D102	8-719-024-71 s	DIODE 1SS362-TE85L
D103	8-719-024-71 s	DIODE 1SS362-TE85L
D104	8-719-024-71 s	DIODE 1SS362-TE85L
E101	1-535-757-21 s	CHIP, CHECKER
E102	1-535-757-21 s	CHIP, CHECKER
IC101	8-759-422-21 s	IC NJM4580V(TE2)
IC102	8-759-422-21 s	IC NJM4580V(TE2)
Q101	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q102	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q103	8-729-202-14 s	TRANSISTOR 2SC2713G-TE85L
Q104	8-729-202-14 s	TRANSISTOR 2SC2713G-TE85L
Q105	6-551-041-01 s	TR RN4904
Q106	6-551-041-01 s	TR RN4904
Q111	6-551-041-01 s	TR RN4904
Q112	6-551-041-01 s	TR RN4904
Q115	6-551-041-01 s	TR RN4904
Q116	6-551-041-01 s	TR RN4904
R101	1-208-923-81 s	RES, CHIP 33K (1005)
R102	1-208-879-81 s	RES, CHIP 470 (1005)
R103	1-208-923-81 s	RES, CHIP 33K (1005)
R104	1-208-879-81 s	RES, CHIP 470 (1005)
R105	1-208-907-81 s	RES, CHIP 6.8K (1005)

CN-3530 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R106	1-208-907-81 s	RES, CHIP 6.8K (1005)
R107	1-208-907-81 s	RES, CHIP 6.8K (1005)
R108	1-208-907-81 s	RES, CHIP 6.8K (1005)
R109	1-208-943-81 s	RES, CHIP 220K (1005)
R110	1-220-300-91 s	RES,SQUARE TYPE CHIP 6.8K 4532
R111	1-220-300-91 s	RES,SQUARE TYPE CHIP 6.8K 4532
R112	1-220-300-91 s	RES,SQUARE TYPE CHIP 6.8K 4532
R113	1-220-300-91 s	RES,SQUARE TYPE CHIP 6.8K 4532
R114	1-208-943-81 s	RES, CHIP 220K (1005)
R115	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R116	1-216-826-91 s	RES, CHIP 2.7K (1608)
R117	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R118	1-216-826-91 s	RES, CHIP 2.7K (1608)
R119	1-208-931-81 s	RES, CHIP 68K (1005)
R120	1-208-931-81 s	RES, CHIP 68K (1005)
R121	1-208-931-81 s	RES, CHIP 68K (1005)
R122	1-208-931-81 s	RES, CHIP 68K (1005)
R123	1-218-823-91 s	RES, CHIP 100 (1608)
R124	1-218-823-91 s	RES, CHIP 100 (1608)
R125	1-218-823-91 s	RES, CHIP 100 (1608)
R126	1-218-823-91 s	RES, CHIP 100 (1608)
R127	1-218-973-81 s	RES, CHIP 47K
R128	1-218-973-81 s	RES, CHIP 47K
R129	1-208-905-81 s	RES, CHIP 5.6K (1005)
R130	1-208-879-81 s	RES, CHIP 470 (1005)
R131	1-208-905-81 s	RES, CHIP 5.6K (1005)
R132	1-208-879-81 s	RES, CHIP 470 (1005)
R133	1-208-907-81 s	RES, CHIP 6.8K (1005)
R134	1-208-907-81 s	RES, CHIP 6.8K (1005)
R135	1-208-907-81 s	RES, CHIP 6.8K (1005)
R136	1-208-907-81 s	RES, CHIP 6.8K (1005)
R137	1-218-965-81 s	RES, CHIP 10K 1005
R138	1-218-965-81 s	RES, CHIP 10K 1005
R139	1-218-965-81 s	RES, CHIP 10K 1005
R140	1-218-965-81 s	RES, CHIP 10K 1005
R141	1-208-887-81 s	RES, CHIP 1.0K (1005)
R142	1-208-879-81 s	RES, CHIP 470 (1005)
R143	1-208-887-81 s	RES, CHIP 1.0K (1005)
R144	1-208-879-81 s	RES, CHIP 470 (1005)
R145	1-218-965-81 s	RES, CHIP 10K 1005
R146	1-218-965-81 s	RES, CHIP 10K 1005
R147	1-218-965-81 s	RES, CHIP 10K 1005
R148	1-218-965-81 s	RES, CHIP 10K 1005
R149	1-208-879-81 s	RES, CHIP 470 (1005)
R150	1-208-879-81 s	RES, CHIP 470 (1005)
R151	1-218-973-81 s	RES, CHIP 47K
R152	1-218-973-81 s	RES, CHIP 47K
R153	1-208-905-81 s	RES, CHIP 5.6K (1005)
R154	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R155	1-208-905-81 s	RES, CHIP 5.6K (1005)
R156	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R157	1-218-965-81 s	RES, CHIP 10K 1005
R158	1-218-965-81 s	RES, CHIP 10K 1005
R159	1-218-965-81 s	RES, CHIP 10K 1005
R160	1-218-965-81 s	RES, CHIP 10K 1005
R161	1-218-973-81 s	RES, CHIP 47K
R162	1-218-973-81 s	RES, CHIP 47K

CN-3558 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-346-A s	MOUNTED CIRCUIT BOARD, CN-3558
CN101	1-750-005-21 o	PIN, CONNECTOR (PC BOARD) 4P
FB100	1-500-456-21 s	ARRAY, FERRITE CHIP
L100	1-457-057-21 s	COIL, COMMON MODE CHOKE
L101	1-457-057-21 s	COIL, COMMON MODE CHOKE
L102	1-457-057-21 s	COIL, COMMON MODE CHOKE
L103	1-457-057-21 s	COIL, COMMON MODE CHOKE
L104	1-457-057-21 s	COIL, COMMON MODE CHOKE
L105	1-457-057-21 s	COIL, COMMON MODE CHOKE

CN-3559 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-347-A s	MOUNTED CIRCUIT BOARD, CN-3559
CN1000	1-770-622-21 s	PIN, CONNECTOR 5P
CN1001	1-817-109-11 s	CONNECTOR, USB (A)
FB1000	1-400-382-21 s	EMI FERRITE (SMD) (1608)
FB1001	1-400-382-21 s	EMI FERRITE (SMD) (1608)
L1000	1-457-223-11 s	COMMON MODE CHOKE COIL

CN-3569 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-365-A s	MOUNTED CIRCUIT BOARD, CN-3569
CN106	1-820-457-11 s	CONNECTOR, BOARD TO BOARD 40P
CN110	1-793-064-21 o	CONNECTOR, BOARD TO BOARD 36P
S101	1-771-337-21 s	SWITCH, SLIDE
S102	1-771-337-21 s	SWITCH, SLIDE

DC-166 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-351-A s	MOUNTED CIRCUIT BOARD, DC-166
C001	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C002	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C005	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C006	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C008	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C009	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C010	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C011	1-114-983-91 s	CAP, CHIP CERAMIC 2.2MF B 1608
C012	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C013	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C014	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C015	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C016	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C017	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C019	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C021	1-112-796-11 s	CAP, ELECT 47MF

DC-166 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C030	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C032	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C036	1-112-796-11 s	CAP, ELECT 47MF
C037	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C040	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C041	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C042	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C043	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C044	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C045	1-112-796-11 s	CAP, ELECT 47MF
C046	1-112-796-11 s	CAP, ELECT 47MF
C047	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C048	1-114-507-11 s	CAP, CERAMIC 1UF X7R
C049	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C053	1-116-166-11 s	CAP, CERAMIC 10MF X7R 3225
C054	1-116-166-11 s	CAP, CERAMIC 10MF X7R 3225
C055	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C056	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
CN001	1-770-161-21 s	PIN, CONNECTOR (PC BOARD) 6P
CN002	1-778-795-21 s	PIN, CONNECTOR (PC BOARD) 9P
CN003	1-784-254-21 s	CONNECTOR 10P
CN054	1-750-005-21 o	PIN, CONNECTOR (PC BOARD) 4P
CN055	1-750-005-21 o	PIN, CONNECTOR (PC BOARD) 4P
D001	8-719-066-92 s	DIODE D1FL20U-TA
D002	8-719-066-92 s	DIODE D1FL20U-TA
D004	8-719-069-59 s	DI UDZSUSTE-178.2B
D006	8-719-069-28 s	DI 1SS400FJTE61
D007	6-502-527-01 s	DI UDZSUSTE-172.2B
D008	8-719-083-58 s	DI UDZSUSTE-173.9B
D012	8-719-083-57 s	DI UDZSUSTE-173.6B
D013	6-502-598-01 s	DI SML-D12U8WT86
D014	6-502-598-01 s	DI SML-D12U8WT86
D017	8-719-069-28 s	DI 1SS400FJTE61
D018	8-719-069-28 s	DI 1SS400FJTE61
F001	 1-576-566-21 s	FUSE (SMD) (15A/65V)
IC003	6-702-879-01 s	IC R3112N281A-TR-FE
IC004	6-711-947-01 s	IC MM1431CURE
IC005	6-702-879-01 s	IC R3112N281A-TR-FE
IC006	6-703-976-01 s	IC R1114Q181D-TR-FE
IC007	6-720-440-02 s	IC 5M160ZE64I5N-DC166V110
IC008	8-759-588-01 s	IC LTC1473CGN-E2
IC018	8-759-273-87 s	IC NJM2901V (TE2)
IC019	6-701-652-01 s	IC MAX4374TEUB+TG069
IC020	6-701-652-01 s	IC MAX4374TEUB+TG069
IC021	8-759-338-95 s	IC NJM2903V (TE2)
IC022	6-718-933-01 s	IC TPS7A1633DGNR
L003	1-457-455-11 s	CHOKE COIL 10UH
L004	1-457-455-11 s	CHOKE COIL 10UH
Q001	6-551-090-01 s	TRANSISTOR FET HAT1125H-EL-E
Q002	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q003	6-552-494-01 s	TR SI2307CDS-T1-GE3
Q004	6-552-494-01 s	TR SI2307CDS-T1-GE3
Q005	6-550-980-01 s	TR RN1904
Q009	6-551-028-01 s	TR RN2904
Q015	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q018	6-551-090-01 s	TRANSISTOR FET HAT1125H-EL-E
Q020	6-551-090-01 s	TRANSISTOR FET HAT1125H-EL-E
Q021	6-550-980-01 s	TR RN1904
Q022	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q023	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
R001	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R002	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)

DC-166 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R003	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R004	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R005	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R006	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R007	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R008	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R009	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R011	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R012	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R013	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R014	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R015	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R016	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R017	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R018	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R019	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R020	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R022	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R023	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R024	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R025	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R026	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R027	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R028	1-250-491-11 o	RES, METAL FILM CHIP 680(1005)
R030	1-250-491-11 o	RES, METAL FILM CHIP 680(1005)
R033	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R058	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R059	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R061	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R063	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R066	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R068	1-257-368-11 s	RES, METAL PLATE 0.022
R069	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R070	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R071	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R072	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R073	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R074	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R075	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R076	1-257-368-11 s	RES, METAL PLATE 0.022
R077	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R078	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R079	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R080	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R081	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R083	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R084	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R085	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R089	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R090	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R091	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R092	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R093	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R094	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R096	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R097	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R099	1-216-295-91 s	CONDUCTOR, CHIP (2012)
R100	1-216-295-91 s	CONDUCTOR, CHIP (2012)
R103	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R104	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R105	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R106	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R107	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
RB001	1-234-370-21 s	RES, NETWORK 22 (1005X4)

DC-166 BOARD

Ref. No. or Q'ty	Part No.	SP Description
THP001	△ 1-771-845-21 s	THERMISTOR, POSITIVE
VDR001	1-803-742-21 s	VARISTOR, CHIP
VDR002	1-803-742-21 s	VARISTOR, CHIP
VDR003	1-803-742-21 s	VARISTOR, CHIP
VDR004	1-803-742-21 s	VARISTOR, CHIP
X001	1-813-329-11 s	OSCILLATOR, CRYSTAL

DPR-342 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1912-752-A s	MOUNTED CIRCUIT BOARD, DPR-342
C0101	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0102	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C0103	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C0105	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0106	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0107	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0111	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0122	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0201	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0211	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0213	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C0214	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C0218	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0308	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0309	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0312	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0314	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0315	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0316	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0317	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0318	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0319	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0320	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0321	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0322	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0323	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0324	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0404	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0407	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0409	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C0410	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C0501	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0504	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0507	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0508	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0509	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0512	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0513	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0515	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0516	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0603	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0604	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0605	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0606	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0609	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0610	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0611	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0612	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0613	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)

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C0700	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0701	1-114-166-91 s	CAP, CERAMIC 0.01MF B (0603)
C0800	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C0801	1-114-367-11 s	CAP, CERAMIC 0.1MF X6S 1005
C0802	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0803	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0804	1-114-367-11 s	CAP, CERAMIC 0.1MF X6S 1005
C0809	1-114-367-11 s	CAP, CERAMIC 0.1MF X6S 1005
C0810	1-114-367-11 s	CAP, CERAMIC 0.1MF X6S 1005
C0811	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0812	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0813	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0814	1-114-172-91 s	CAP, CERAMIC 2.2MF C (1005)
C0815	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0816	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0817	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0818	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0819	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0820	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0821	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0822	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0823	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0824	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0825	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0900	1-116-707-11 s	CAP, CERAMIC 47MF X5R 3216
C0901	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C0902	1-164-940-81 s	CAP,CHIP CERAMIC 3300PF B 1005
C0903	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C0904	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C0905	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0906	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0907	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C0908	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C0909	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0910	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0911	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0912	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C0913	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C0914	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C0915	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C0918	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C0919	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C0921	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0923	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0924	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0927	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0935	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0945	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0948	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0949	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0950	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0953	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0954	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0956	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0957	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0958	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0960	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0962	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0963	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0965	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0966	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0967	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0968	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C0969	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C0970	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)

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C0971	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C0972	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1000	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1001	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1010	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1015	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1021	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1027	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1031	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1062	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1063	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1066	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1067	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1068	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1069	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1070	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1074	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1075	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1076	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1078	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1079	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1082	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1083	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1084	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1085	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1086	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1087	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1089	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1090	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1093	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1102	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1115	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1116	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1121	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1122	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1128	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1141	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1142	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1143	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1144	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1145	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1146	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C1147	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1149	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1151	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1152	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C1153	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1154	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1161	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1167	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1173	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1184	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1185	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1186	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1187	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1188	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1200	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C1209	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C1210	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1211	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1214	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1215	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1400	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1402	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1406	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)

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C1407	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1408	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1409	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1410	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1411	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1501	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1505	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1506	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1507	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1508	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1509	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1510	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1601	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1605	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1606	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1607	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1608	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1609	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1610	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1701	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1702	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1703	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1801	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1802	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1805	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1808	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1812	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1817	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1820	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1840	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1841	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1842	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1843	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1844	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1845	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1847	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1848	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1852	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1854	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1867	1-114-166-91 s	CAP, CERAMIC 0.01MF B (0603)
C1868	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1869	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1870	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C1871	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1878	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1884	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1885	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1886	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1889	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1891	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C1899	1-114-166-91 s	CAP, CERAMIC 0.01MF B (0603)
C1900	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1901	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1903	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1904	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1905	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1906	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1907	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1908	1-164-874-81 s	CAP, CHIP CERAMIC 100PF CH 1005
C2000	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C2001	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2002	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C2003	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C2100	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2102	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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C2103	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2104	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2105	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C2106	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2107	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2108	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2109	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2110	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2111	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2112	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2113	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C2114	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2300	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2301	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2302	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C2303	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C2304	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C2306	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C2309	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C2311	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C2312	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C2313	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C6002	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C6003	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C6010	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C6012	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C6031	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C6033	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C6042	1-114-166-91 s	CAP, CERAMIC 0.01MF B (0603)
C6043	1-114-166-91 s	CAP, CERAMIC 0.01MF B (0603)
C6800	1-114-166-91 s	CAP, CERAMIC 0.01MF B (0603)
C6802	1-114-166-91 s	CAP, CERAMIC 0.01MF B (0603)
CN0100	1-817-456-21 s	CONNECTOR, COAXIAL
CN0101	1-817-456-21 s	CONNECTOR, COAXIAL
CN0301	1-794-378-21 s	PIN, CONNECTOR 14P
CN2200	1-817-456-21 s	CONNECTOR, COAXIAL
CN2300	1-794-959-21 o	PIN, CONNECTOR (PWB, PRINT)20P
CN2301	1-822-974-11 s	CONNECTOR, COAXIAL 40P
D0300	8-719-024-71 s	DIODE 1SS362-TE85L
D0301	8-719-024-71 s	DIODE 1SS362-TE85L
D0302	8-719-024-71 s	DIODE 1SS362-TE85L
D0303	8-719-024-71 s	DIODE 1SS362-TE85L
D0600	6-502-197-01 s	DI SML-D12M8WT86SM
D1300	6-502-197-01 s	DI SML-D12M8WT86SM
D1301	6-502-197-01 s	DI SML-D12M8WT86SM
D1700	6-502-197-01 s	DI SML-D12M8WT86SM
D1701	6-502-197-01 s	DI SML-D12M8WT86SM
E2300	1-535-877-22 s	CHIP, CHECKER
E2301	1-535-877-22 s	CHIP, CHECKER
E2302	1-535-877-22 s	CHIP, CHECKER
E2303	1-535-877-22 s	CHIP, CHECKER
ET2300	1-780-627-11 s	TERMINAL, LUG
ET2301	1-780-627-11 s	TERMINAL, LUG
ET2302	1-780-627-11 s	TERMINAL, LUG
ET2303	1-780-627-11 s	TERMINAL, LUG
FB0100	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0109	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0110	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0111	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0112	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0113	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0114	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0115	1-400-462-21 s	FERRITE, EMI (SMD) (1005)

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FB0116	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0117	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0118	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0119	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0303	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0304	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0305	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0306	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0502	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0503	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0504	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0505	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0800	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0801	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0905	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1108	1-400-580-21 s	FERRITE, EMI (SMD)
FB1802	1-400-580-21 s	FERRITE, EMI (SMD)
FB1900	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB1901	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
FB1902	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB2100	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB2300	1-400-580-21 s	FERRITE, EMI (SMD)
FL0100	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0101	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0103	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0104	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0105	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0200	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0201	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0202	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0203	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0300	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0301	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0400	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0401	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0402	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0403	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0500	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0600	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0601	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0800	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0801	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0900	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0901	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0902	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0903	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0904	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL0905	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1000	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1001	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1002	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1003	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1004	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1005	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1006	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1007	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1008	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1009	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1011	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1100	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1101	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1102	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1103	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1104	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1105	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)

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FL1106	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1107	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1108	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1109	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1400	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1401	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1500	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1600	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1800	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1801	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1802	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1803	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1804	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1805	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1806	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1807	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
IC0101	6-710-243-01 s	IC SN74AVC1T45DCKR
IC0300	6-710-243-01 s	IC SN74AVC1T45DCKR
IC0301	8-759-184-65 s	IC TC4W66FU (TE12R)
IC0302	6-711-751-01 s	IC THC63LVD103D
IC0303	8-759-184-65 s	IC TC4W66FU (TE12R)
IC0304	6-706-484-01 s	IC TC7SH04FU
IC0305	6-706-476-01 s	IC TC7SET04FU
IC0306	6-712-373-01 s	IC TC7SH34FU
IC0307	6-710-861-01 s	IC TC7SET34FU
IC0308	6-703-848-01 s	IC SN74CB3T3306DCUR
IC0500	6-715-041-01 s	IC TC7SZ125FU, RSOYJ
IC0501	6-715-039-01 s	IC TC7SZ08FU, RSONYJ
IC0502	6-701-917-01 s	IC TC7PA34FU (TE85R)
IC0504	6-709-220-01 s	IC SN74AVC2T45DCUR
IC0505	6-701-917-01 s	IC TC7PA34FU (TE85R)
IC0506	6-701-917-01 s	IC TC7PA34FU (TE85R)
IC0507	6-715-041-01 s	IC TC7SZ125FU, RSOYJ
IC0510	6-715-039-01 s	IC TC7SZ08FU, RSONYJ
IC0511	6-701-917-01 s	IC TC7PA34FU (TE85R)
IC0600	6-715-039-01 s	IC TC7SZ08FU, RSONYJ
IC0601	6-709-220-01 s	IC SN74AVC2T45DCUR
IC0602	6-701-917-01 s	IC TC7PA34FU (TE85R)
IC0800	6-718-930-01 o	IC H5TQ2G63DFR-H9CR
IC0901	6-703-976-01 s	IC R1114Q181D-TR-FE
IC0902	6-715-342-01 s	IC MM3404A25URE
IC0903	6-708-889-01 s	IC MP2105DJ-LF-Z
IC0904	6-708-889-01 s	IC MP2105DJ-LF-Z
IC1001	6-706-489-01 s	IC TC7SH32FU
IC1100	6-715-039-01 s	IC TC7SZ08FU, RSONYJ
IC1101	6-708-889-01 s	IC MP2105DJ-LF-Z
IC1104	6-703-976-01 s	IC R1114Q181D-TR-FE
IC1105	6-715-342-01 s	IC MM3404A25URE
IC1108	6-702-749-01 s	IC S-80928CNNB-G8YT2G
IC1201	6-701-917-01 s	IC TC7PA34FU (TE85R)
IC1202	6-705-673-01 s	IC TC7PA53FU (TE85L.F)
IC1700	6-701-917-01 s	IC TC7PA34FU (TE85R)
IC1702	6-715-041-01 s	IC TC7SZ125FU, RSOYJ
IC1703	6-705-673-01 s	IC TC7PA53FU (TE85L.F)
IC1901	6-715-039-01 s	IC TC7SZ08FU, RSONYJ
IC1902	6-712-342-01 s	IC CDCVF2310PWR
IC1904	6-715-039-01 s	IC TC7SZ08FU, RSONYJ
IC2000	6-706-484-01 s	IC TC7SH04FU
IC2001	6-703-848-01 s	IC SN74CB3T3306DCUR
IC2002	6-703-848-01 s	IC SN74CB3T3306DCUR
IC2004	6-715-041-01 s	IC TC7SZ125FU, RSOYJ
IC2101	6-707-843-01 s	IC TC74LCX125FT (EKJ)
IC2300	8-759-655-22 s	IC TC7WH34FK
IC2301	8-759-598-43 s	IC TC7WH04FK
IC2302	6-708-889-01 s	IC MP2105DJ-LF-Z

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IC2306	6-712-135-01 o	IC R1173H001D-T1-FE
L0900	1-481-992-11 s	INDUCTOR 1UH (2520)
L0901	1-481-992-11 s	INDUCTOR 1UH (2520)
L0902	1-457-852-11 s	COIL, CHOKE 1.2UH
L0903	1-457-612-11 s	COIL, CHOKE 0.78UH
L1100	1-481-992-11 s	INDUCTOR 1UH (2520)
L1101	1-457-852-11 s	COIL, CHOKE 1.2UH
L1102	1-457-852-11 s	COIL, CHOKE 1.2UH
L1801	1-457-852-11 s	COIL, CHOKE 1.2UH
L1802	1-469-757-21 s	INDUCTOR 10UH (2012)
L2300	1-481-992-11 s	INDUCTOR 1UH (2520)
L2301	1-457-852-11 s	COIL, CHOKE 1.2UH
Q0300	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q1000	6-552-624-01 s	TR SI2301CDS-T1-GE3
Q1001	6-552-624-01 s	TR SI2301CDS-T1-GE3
Q1002	6-550-750-01 s	TRANSISTOR SSM3K15FS-TE85L
Q1003	6-550-750-01 s	TRANSISTOR SSM3K15FS-TE85L
Q1800	6-550-750-01 s	TRANSISTOR SSM3K15FS-TE85L
Q1801	6-552-624-01 s	TR SI2301CDS-T1-GE3
Q1802	6-552-624-01 s	TR SI2301CDS-T1-GE3
Q2300	6-550-750-01 s	TRANSISTOR SSM3K15FS-TE85L
R0100	1-208-880-81 s	RES, CHIP 510 (1005)
R0101	1-208-880-81 s	RES, CHIP 510 (1005)
R0102	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0103	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0104	1-218-933-81 s	RES, CHIP 22
R0105	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0106	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R0109	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0200	1-208-880-81 s	RES, CHIP 510 (1005)
R0201	1-208-880-81 s	RES, CHIP 510 (1005)
R0202	1-218-933-81 s	RES, CHIP 22
R0203	1-218-933-81 s	RES, CHIP 22
R0300	1-218-929-81 s	RES, CHIP 10
R0301	1-218-929-81 s	RES, CHIP 10
R0302	1-218-933-81 s	RES, CHIP 22
R0303	1-250-513-11 o	RES,METAL FILM CHIP 5.6K(1005)
R0304	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0305	1-218-983-81 s	RES, CHIP 330K
R0306	1-250-523-11 o	RES, METAL FILM CHIP 15K(1005)
R0307	1-250-513-11 o	RES,METAL FILM CHIP 5.6K(1005)
R0308	1-218-983-81 s	RES, CHIP 330K
R0309	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0310	1-218-949-81 s	RES, CHIP 470
R0311	1-218-949-81 s	RES, CHIP 470
R0312	1-218-983-81 s	RES, CHIP 330K
R0400	1-208-880-81 s	RES, CHIP 510 (1005)
R0401	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0402	1-218-933-81 s	RES, CHIP 22
R0403	1-208-880-81 s	RES, CHIP 510 (1005)
R0404	1-218-929-81 s	RES, CHIP 10
R0414	1-218-933-81 s	RES, CHIP 22
R0415	1-218-933-81 s	RES, CHIP 22
R0500	1-218-933-81 s	RES, CHIP 22
R0501	1-218-933-81 s	RES, CHIP 22
R0502	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R0503	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R0504	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R0505	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R0510	1-218-933-81 s	RES, CHIP 22
R0511	1-218-933-81 s	RES, CHIP 22
R0512	1-218-933-81 s	RES, CHIP 22
R0513	1-218-933-81 s	RES, CHIP 22
R0514	1-218-933-81 s	RES, CHIP 22

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R0515	1-218-933-81 s	RES, CHIP 22
R0516	1-218-933-81 s	RES, CHIP 22
R0518	1-240-672-91 s	RES, CHIP 10 (0603)
R0519	1-240-672-91 s	RES, CHIP 10 (0603)
R0520	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0521	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0522	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R0524	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0525	1-218-933-81 s	RES, CHIP 22
R0600	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0601	1-218-929-81 s	RES, CHIP 10
R0602	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0603	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0604	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0605	1-250-479-11 o	RES, METAL FILM CHIP 220(1005)
R0606	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0607	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0614	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0619	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0621	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0622	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0623	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0701	1-218-929-81 s	RES, CHIP 10
R0702	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0800	1-240-676-91 s	RES, CHIP 22 (0603)
R0801	1-240-676-91 s	RES, CHIP 22 (0603)
R0802	1-240-676-91 s	RES, CHIP 22 (0603)
R0803	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0804	1-208-872-81 s	RES, CHIP 240 (1005)
R0805	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0806	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0807	1-240-753-91 s	RES, CHIP 51 (0603)
R0808	1-240-753-91 s	RES, CHIP 51 (0603)
R0809	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0810	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0811	1-208-872-81 s	RES, CHIP 240 (1005)
R0900	1-218-963-81 s	RES, CHIP 6.8K
R0901	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R0902	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0903	1-250-545-11 o	RES,METAL FILM CHIP 120K(1005)
R0904	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R0905	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R0906	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0907	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0908	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0909	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R0910	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R0911	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0912	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R0913	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R0914	1-218-965-81 s	RES, CHIP 10K 1005
R1000	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1001	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1002	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1003	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1102	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1103	1-250-545-11 o	RES,METAL FILM CHIP 120K(1005)
R1105	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1106	1-250-545-11 o	RES,METAL FILM CHIP 120K(1005)
R1107	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1108	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1109	1-218-953-81 s	RES, CHIP 1.0K
R1113	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1114	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1115	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)

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R1200	1-208-880-81 s	RES, CHIP 510 (1005)
R1201	1-208-880-81 s	RES, CHIP 510 (1005)
R1202	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1203	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1204	1-250-477-11 o	RES, METAL FILM CHIP 180(1005)
R1206	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1211	1-694-535-91 s	CONDUCTOR, CHIP (0603)
R1212	1-694-535-91 s	CONDUCTOR, CHIP (0603)
R1213	1-694-535-91 s	CONDUCTOR, CHIP (0603)
R1214	1-694-535-91 s	CONDUCTOR, CHIP (0603)
R1216	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1222	1-218-953-81 s	RES, CHIP 1.0K
R1225	1-218-953-81 s	RES, CHIP 1.0K
R1227	1-218-953-81 s	RES, CHIP 1.0K
R1232	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1234	1-218-933-81 s	RES, CHIP 22
R1235	1-218-933-81 s	RES, CHIP 22
R1304	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1305	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1306	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1308	1-218-933-81 s	RES, CHIP 22
R1310	1-218-953-81 s	RES, CHIP 1.0K
R1311	1-218-953-81 s	RES, CHIP 1.0K
R1312	1-218-933-81 s	RES, CHIP 22
R1313	1-218-933-81 s	RES, CHIP 22
R1314	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1401	1-250-475-11 s	RES, METAL FILM CHIP 150(1005)
R1402	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1403	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1601	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1602	1-250-479-11 o	RES, METAL FILM CHIP 220(1005)
R1603	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1604	1-218-933-81 s	RES, CHIP 22
R1605	1-218-933-81 s	RES, CHIP 22
R1700	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1702	1-218-933-81 s	RES, CHIP 22
R1703	1-218-953-81 s	RES, CHIP 1.0K
R1704	1-218-953-81 s	RES, CHIP 1.0K
R1705	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R1706	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R1707	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R1708	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R1709	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1710	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1711	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1712	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1713	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1714	1-218-933-81 s	RES, CHIP 22
R1715	1-218-933-81 s	RES, CHIP 22
R1716	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1717	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1718	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1719	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1720	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1721	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R1722	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R1723	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R1724	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R1725	1-218-933-81 s	RES, CHIP 22
R1726	1-218-933-81 s	RES, CHIP 22
R1727	1-218-933-81 s	RES, CHIP 22
R1800	1-218-941-81 s	RES, CHIP 100
R1801	1-218-941-81 s	RES, CHIP 100
R1802	1-218-941-81 s	RES, CHIP 100
R1803	1-218-941-81 s	RES, CHIP 100

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Ref. No. or Q'ty	Part No.	SP Description
R1804	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1805	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1806	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1807	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1812	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1900	1-218-933-81 s	RES, CHIP 22
R1901	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1902	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1903	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1904	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1905	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1906	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1907	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1908	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1909	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1910	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R2000	1-218-933-81 s	RES, CHIP 22
R2001	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R2002	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R2003	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R2004	1-218-953-81 s	RES, CHIP 1.0K
R2005	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R2006	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R2007	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R2008	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R2009	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2010	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2100	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2101	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2102	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2104	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2105	1-218-933-81 s	RES, CHIP 22
R2106	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2107	1-218-933-81 s	RES, CHIP 22
R2108	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2109	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2110	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2112	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2116	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2117	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2118	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2119	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2120	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2121	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R2122	1-218-933-81 s	RES, CHIP 22
R2123	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2301	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R2302	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R2303	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R2306	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R2307	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R2308	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R2313	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R2314	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R2321	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
RB0300	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB0301	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB0500	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB0501	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB0600	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB0601	1-234-378-21 s	RES, NETWORK 10K (1005X4)
RB1200	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1201	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1700	1-234-370-21 s	RES, NETWORK 22 (1005X4)

DPR-342 BOARD

Ref. No. or Q'ty	Part No.	SP Description
RB1701	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB1702	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1703	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1704	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1705	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1706	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1707	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1708	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1709	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1710	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1711	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB1712	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB2000	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB2001	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB2100	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB2101	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB2102	1-234-370-21 s	RES, NETWORK 22 (1005X4)
TP2300	1-780-638-22 s	CONTACT TERMINAL
TP2301	1-780-638-22 s	CONTACT TERMINAL
TP2302	1-780-638-22 s	CONTACT TERMINAL
TP2303	1-780-638-22 s	CONTACT TERMINAL
TP2304	1-780-638-22 s	CONTACT TERMINAL
X1900	1-813-263-11 s	OSCILLATOR, CRYSTAL
X1901	1-814-185-11 s	OSCILLATOR, CRYSTAL

EC-74 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-360-A s	MOUNTED CIRCUIT BOARD, EC-74
1pc	1-821-531-13 s	CONNECTOR, EX CARD(GUIDE UNIT)
2pcs	3-968-729-52 s	SCREW (M2), LOCK ACE, P2
1pc	4-458-876-01 s	GUARD (SXS), PATTERN
C101	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C102	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C103	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C104	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C105	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C106	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C107	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C108	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C109	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C110	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C111	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C113	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C114	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C115	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C116	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C117	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C118	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C119	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C120	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C122	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
CN100	1-817-456-21 s	CONNECTOR, COAXIAL
CN101	1-821-530-12 s	CONNECTOR, EX CARD (HOST)
D100	8-719-085-26 s	DIODE CL-165HR/SYG-D-T
FB100	1-400-580-21 s	FERRITE, EMI (SMD)
FB101	1-400-580-21 s	FERRITE, EMI (SMD)
L100	1-457-852-11 s	COIL, CHOKE 1.2UH

EC-74 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R100	1-218-945-81 s	RES, CHIP 220
R101	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R102	1-218-941-81 s	RES, CHIP 100
R103	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R104	1-218-953-81 s	RES, CHIP 1.0K
R105	1-218-961-81 s	RES, CHIP 4.7K
R106	1-218-965-81 s	RES, CHIP 10K 1005
R107	1-250-547-11 s	RES,METAL FILM CHIP 150K(1005)
R108	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R109	1-218-953-81 s	RES, CHIP 1.0K
R110	1-218-953-81 s	RES, CHIP 1.0K
VDR100	1-802-245-11 s	ESD SUPPRESSOR
VDR101	1-802-245-11 s	ESD SUPPRESSOR

HIF-64 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1912-753-A s	MOUNTED CIRCUIT BOARD, HIF-64
4pcs	3-364-941-01 s	SCREW (+B) (2.6X5), NYLOK
C0100	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C0101	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C0102	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C0103	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C0104	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C0105	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C0106	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C0107	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C0108	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C0109	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C0110	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C0111	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C0112	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C0113	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C0114	1-112-779-11 s	CAP, CERAMIC 0.047MF X7R 1005
C0115	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C0200	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0201	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0202	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0203	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0204	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0205	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0206	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0207	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0208	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C0209	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C0210	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C0211	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C0212	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C0213	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C0214	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C0215	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C0216	1-114-950-91 s	CAP, CERAMIC 4.7MF X5R (1005)
C0217	1-114-950-91 s	CAP, CERAMIC 4.7MF X5R (1005)
C0218	1-114-950-91 s	CAP, CERAMIC 4.7MF X5R (1005)
C0219	1-114-950-91 s	CAP, CERAMIC 4.7MF X5R (1005)
C0220	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0221	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0222	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0223	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0224	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)
C0225	1-112-716-91 s	CAP, CERAMIC 0.1UF B (0603)

HIF-64 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C0702	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0703	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0704	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0705	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0706	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0707	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C0708	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C0709	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0710	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0711	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C0712	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C0713	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C0714	1-164-845-81 s	CAP, CHIP CERAMIC 5PF CH 1005
C0715	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C0716	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C0717	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0718	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0719	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0720	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0721	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0722	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0723	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0724	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0725	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C0726	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0727	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0800	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C0801	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0802	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C0803	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0804	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C0806	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C0900	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0901	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0902	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0903	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0904	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0905	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0906	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C0909	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0910	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0911	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0912	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0913	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0914	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0915	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0916	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0917	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0918	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0919	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0920	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0921	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0922	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0923	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0924	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0925	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0926	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0927	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0928	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0929	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0930	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0931	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0932	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0933	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0934	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

HIF-64 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C0935	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0936	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0937	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0938	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0939	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C0941	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C0942	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C0943	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C0944	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C0945	1-116-720-11 s	CAP, CERAMIC 10MF X5R 1608
C1000	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1001	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1002	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1101	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C1102	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1104	1-116-707-11 s	CAP, CERAMIC 47MF X5R 3216
C1105	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1106	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1107	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1108	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1109	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1110	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1111	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1112	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1113	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1114	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1115	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1116	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1117	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1119	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1120	1-164-880-81 s	CAP,CHIP CERAMIC 180PF CH 1005
C1121	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1122	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1123	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1124	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1125	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1126	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1127	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1128	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1129	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1130	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1131	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1133	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1134	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1135	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1136	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1137	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1138	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1139	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1140	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1141	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1142	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1143	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1144	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1200	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1201	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1202	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1203	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1204	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1205	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1207	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1208	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1209	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1210	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1211	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

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C1212	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1213	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1214	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C1215	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1216	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1217	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1218	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C1300	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C1302	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1303	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1304	1-114-334-11 s	CAP, CERAMIC 10MF X7R 3225
C1305	1-114-334-11 s	CAP, CERAMIC 10MF X7R 3225
C1307	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1308	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
C1309	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1311	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C1312	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1313	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C1314	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C1315	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1316	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C1317	1-164-850-81 s	CAP, CHIP CERAMIC 10PF CH 1005
C1318	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C1319	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C1320	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C1321	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
CN0100	1-817-456-21 s	CONNECTOR, COAXIAL
CN0103	1-770-621-21 s	PIN, CONNECTOR 4P
CN0600	1-793-324-21 s	CONNECTOR, COAXIAL (BNC TYPE)
CN0601	1-793-324-21 s	CONNECTOR, COAXIAL (BNC TYPE)
CN0602	1-793-324-21 s	CONNECTOR, COAXIAL (BNC TYPE)
CN0603	1-793-324-21 s	CONNECTOR, COAXIAL (BNC TYPE)
CN0700	1-793-152-21 o	CONNECTOR 11P
CN0800	1-819-696-21 s	CONNECTOR, HDMI
CN1300	1-779-806-21 s	CONNECTOR 8P
D0100	6-501-124-01 s	DIODE RSX101VA-30TR
D0200	6-502-197-01 s	DI SML-D12M8WT86SM
D0700	8-719-024-71 s	DIODE 1SS362-TE85L
D0800	8-719-024-71 s	DIODE 1SS362-TE85L
D0801	8-719-024-71 s	DIODE 1SS362-TE85L
D0802	8-719-024-71 s	DIODE 1SS362-TE85L
D1100	8-719-024-71 s	DIODE 1SS362-TE85L
D1300	8-719-024-71 s	DIODE 1SS362-TE85L
D1301	8-719-024-71 s	DIODE 1SS362-TE85L
D1302	8-719-024-71 s	DIODE 1SS362-TE85L
D1303	8-719-024-71 s	DIODE 1SS362-TE85L
D1304	8-719-024-71 s	DIODE 1SS362-TE85L
D1305	6-500-695-01 s	DI UDZSUSTE-172.7B
D1306	8-719-024-71 s	DIODE 1SS362-TE85L
D1307	6-500-695-01 s	DI UDZSUSTE-172.7B
D1308	8-719-024-71 s	DIODE 1SS362-TE85L
D1309	8-719-024-71 s	DIODE 1SS362-TE85L
E0100	1-535-877-22 s	CHIP, CHECKER
E0101	1-535-877-22 s	CHIP, CHECKER
E0102	1-535-877-22 s	CHIP, CHECKER
E0103	1-535-877-22 s	CHIP, CHECKER
ET0100	1-780-627-11 s	TERMINAL, LUG
ET0101	1-780-627-11 s	TERMINAL, LUG
FB0100	1-400-580-21 s	FERRITE, EMI (SMD)
FB0101	1-400-580-21 s	FERRITE, EMI (SMD)
FB0102	1-400-580-21 s	FERRITE, EMI (SMD)
FB0103	1-400-824-21 s	EMI FERRITE (SMD) (1005)
FB0104	1-400-580-21 s	FERRITE, EMI (SMD)

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FB0105	1-400-580-21 s	FERRITE, EMI (SMD)
FB0106	1-400-824-21 s	EMI FERRITE (SMD) (1005)
FB0107	1-400-580-21 s	FERRITE, EMI (SMD)
FB0108	1-400-580-21 s	FERRITE, EMI (SMD)
FB0109	1-400-824-21 s	EMI FERRITE (SMD) (1005)
FB0200	1-400-824-21 s	EMI FERRITE (SMD) (1005)
FB0201	1-400-824-21 s	EMI FERRITE (SMD) (1005)
FB0202	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0203	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0300	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0301	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0302	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0303	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0400	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0402	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0600	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0601	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0602	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0603	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0604	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0900	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0901	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0902	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0903	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0904	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0905	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0906	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0907	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0908	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0909	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0910	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB0911	1-400-824-21 s	EMI FERRITE (SMD) (1005)
FB1100	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1101	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1102	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1103	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1104	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1105	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1106	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1107	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1108	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1200	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1201	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1202	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1203	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1204	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1205	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1206	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1207	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1300	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1301	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1302	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1303	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1304	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FL1301	1-400-065-21 s	FILTER, EMI REMOVAL (SMD)
IC0100	6-705-481-01 s	IC LT1931ES5#TR
IC0502	6-708-889-01 s	IC MP2105DJ-LF-Z
IC0503	6-708-889-01 s	IC MP2105DJ-LF-Z
IC0504	6-708-889-01 s	IC MP2105DJ-LF-Z
IC0505	6-711-485-01 s	IC TC74VCX125FK(EL)
IC0507	6-709-220-01 s	IC SN74AVC2T45DCUR
IC0604	6-708-889-01 s	IC MP2105DJ-LF-Z
IC0605	6-703-238-01 s	IC TC7W234FK
IC0606	6-703-238-01 s	IC TC7W234FK

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Ref. No. or Q'ty	Part No.	SP Description
IC0700	6-707-997-01 s	IC ADV7320KSTZ
IC0701	6-708-464-01 o	IC R1114Q251D-TR-FE
IC0705	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC0706	6-705-673-01 s	IC TC7PA53FU (TE85L.F)
IC0707	6-705-673-01 s	IC TC7PA53FU (TE85L.F)
IC0708	6-705-673-01 s	IC TC7PA53FU (TE85L.F)
IC0801	6-715-164-01 s	IC TPS2553DBVR
IC0900	6-702-749-01 s	IC S-80928CNCB-G8YT2G
IC0901	6-703-976-01 s	IC R1114Q181D-TR-FE
IC1100	8-759-561-46 s	IC AD8014ARTZ-REEL7
IC1101	6-716-910-01 s	IC LMH1983QE
IC1102	6-715-164-01 s	IC TPS2553DBVR
IC1103	6-712-902-01 s	IC LMH1980MM
IC1104	6-703-238-01 s	IC TC7WZ34FK
IC1105	6-707-853-01 s	IC TC74LCX541FT (EKJ)
IC1106	6-712-135-01 o	IC R1173H001D-T1-FE
IC1107	6-717-747-01 s	IC LMP7711MK
IC1201	6-707-415-01 s	IC DS90LT012ATMF
IC1202	6-707-415-01 s	IC DS90LT012ATMF
IC1203	6-707-415-01 s	IC DS90LT012ATMF
IC1205	6-715-041-01 s	IC TC7SZ125FU,RSOYJ
IC1206	6-715-041-01 s	IC TC7SZ125FU,RSOYJ
IC1207	6-715-041-01 s	IC TC7SZ125FU,RSOYJ
IC1208	6-715-041-01 s	IC TC7SZ125FU,RSOYJ
IC1209	6-707-414-01 s	IC DS90LV011ATMF
IC1211	6-708-464-01 o	IC R1114Q251D-TR-FE
IC1212	6-700-831-01 s	IC TC7WZ74FK
IC1300	6-701-905-01 s	IC AM26C31CDBR
IC1301	8-759-278-58 s	IC NJM4558V-TE2
IC1302	6-706-487-01 s	IC TC7SH08FU
IC1303	8-759-276-87 s	IC NJM4565M-A (TE2)
IC1304	8-759-338-95 s	IC NJM2903V (TE2)
IC1306	6-706-489-01 s	IC TC7SH32FU
IC1307	8-759-561-46 s	IC AD8014ARTZ-REEL7
L0100	1-481-035-11 s	INDUCTOR (10UH)
L0101	1-457-852-11 s	COIL, CHOKE 1.2UH
L0102	1-481-035-11 s	INDUCTOR (10UH)
L0500	1-457-612-11 s	COIL, CHOKE 0.78UH
L0501	1-481-992-11 s	INDUCTOR 1UH (2520)
L0502	1-481-992-11 s	INDUCTOR 1UH (2520)
L0503	1-481-992-11 s	INDUCTOR 1UH (2520)
L0600	1-414-832-21 s	INDUCTOR, CHIP 2.2NH (1005)
L0601	1-414-832-21 s	INDUCTOR, CHIP 2.2NH (1005)
L0602	1-414-832-21 s	INDUCTOR, CHIP 2.2NH (1005)
L0603	1-481-992-11 s	INDUCTOR 1UH (2520)
L0604	1-414-832-21 s	INDUCTOR, CHIP 2.2NH (1005)
L0700	1-469-555-21 s	INDUCTOR, CHIP 10UH (LB2016)
L0701	1-412-979-41 s	INDUCTOR, SMALL TYPE 1.0UH
L0702	1-412-987-41 s	INDUCTOR, SMALL TYPE 4.7UH
L0703	1-469-555-21 s	INDUCTOR, CHIP 10UH (LB2016)
L0704	1-469-555-21 s	INDUCTOR, CHIP 10UH (LB2016)
L0800	1-457-374-21 s	COMMON MODE CHOKE COIL
L0801	1-457-374-21 s	COMMON MODE CHOKE COIL
L0802	1-457-374-21 s	COMMON MODE CHOKE COIL
L0803	1-457-374-21 s	COMMON MODE CHOKE COIL
L1100	1-414-844-21 s	INDUCTOR, CHIP 22NH (1005)
L1101	1-469-555-21 s	INDUCTOR, CHIP 10UH (LB2016)
L1300	1-469-555-21 s	INDUCTOR, CHIP 10UH (LB2016)
PH1300	8-749-014-35 s	IC HCPL-0630-500
Q0100	6-551-041-01 s	TR RN4904
Q0700	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q0701	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q0702	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR

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Ref. No. or Q'ty	Part No.	SP Description
Q0703	8-729-928-55 s	TRANSISTOR DTA123JE-TL
Q0704	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q1100	8-729-928-55 s	TRANSISTOR DTA123JE-TL
Q1101	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q1102	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q1305	6-550-750-01 s	TRANSISTOR SSM3K15FS-TE85L
Q1306	6-550-750-01 s	TRANSISTOR SSM3K15FS-TE85L
Q1307	6-552-545-01 s	TR SI4425DDY-T1-GE3
R0100	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R0101	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0102	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R0103	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R0104	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R0105	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R0106	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0200	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R0201	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R0203	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0300	1-218-933-81 s	RES, CHIP 22
R0301	1-218-933-81 s	RES, CHIP 22
R0303	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R0304	1-218-933-81 s	RES, CHIP 22
R0305	1-218-933-81 s	RES, CHIP 22
R0400	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0401	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0402	1-218-949-81 s	RES, CHIP 470
R0500	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R0501	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0503	1-218-933-81 s	RES, CHIP 22
R0504	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0505	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0506	1-250-515-11 s	RES,METAL FILM CHIP 6.8K(1005)
R0507	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R0508	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0509	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R0510	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0511	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R0512	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R0513	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0514	1-250-563-11 s	RES,METAL FILM CHIP 680K(1005)
R0515	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0516	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R0517	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0518	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0519	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0521	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R0522	1-218-933-81 s	RES, CHIP 22
R0523	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0601	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0602	1-250-491-11 o	RES, METAL FILM CHIP 680(1005)
R0603	1-250-491-11 o	RES, METAL FILM CHIP 680(1005)
R0604	1-250-491-11 o	RES, METAL FILM CHIP 680(1005)
R0605	1-250-491-11 o	RES, METAL FILM CHIP 680(1005)
R0607	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0608	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0610	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0611	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0613	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0614	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0616	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0617	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0618	1-250-467-11 s	RES, METAL FILM CHIP 68 (1005)
R0619	1-250-467-11 s	RES, METAL FILM CHIP 68 (1005)
R0620	1-250-467-11 s	RES, METAL FILM CHIP 68 (1005)

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R0621	1-250-467-11 s	RES, METAL FILM CHIP 68 (1005)
R0634	1-208-855-81 s	RES, CHIP 47 (1005)
R0635	1-208-855-81 s	RES, CHIP 47 (1005)
R0636	1-208-855-81 s	RES, CHIP 47 (1005)
R0640	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0641	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0642	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0643	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0644	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R0645	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0646	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0647	1-208-855-81 s	RES, CHIP 47 (1005)
R0700	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R0701	1-250-505-11 s	RES,METAL FILM CHIP 2.7K(1005)
R0702	1-250-505-11 s	RES,METAL FILM CHIP 2.7K(1005)
R0703	1-250-491-11 o	RES, METAL FILM CHIP 680(1005)
R0704	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R0705	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R0706	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R0707	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R0708	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R0709	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R0710	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R0711	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R0712	1-218-933-81 s	RES, CHIP 22
R0713	1-218-933-81 s	RES, CHIP 22
R0714	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0715	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0716	1-218-933-81 s	RES, CHIP 22
R0717	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0718	1-218-933-81 s	RES, CHIP 22
R0719	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R0720	1-250-515-11 s	RES,METAL FILM CHIP 6.8K(1005)
R0721	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R0722	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R0723	1-250-515-11 s	RES,METAL FILM CHIP 6.8K(1005)
R0724	1-208-860-81 s	RES, CHIP 75 (1005)
R0725	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0726	1-208-860-81 s	RES, CHIP 75 (1005)
R0727	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R0801	1-208-868-81 s	RES, CHIP 160 (1005)
R0802	1-208-868-81 s	RES, CHIP 160 (1005)
R0803	1-218-949-81 s	RES, CHIP 470
R0804	1-218-949-81 s	RES, CHIP 470
R0805	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R0807	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R0808	1-218-929-81 s	RES, CHIP 10
R0809	1-218-929-81 s	RES, CHIP 10
R0811	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0812	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R0817	1-218-973-81 s	RES, CHIP 47K
R0818	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0820	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R0900	1-218-973-81 s	RES, CHIP 47K
R0901	1-218-933-81 s	RES, CHIP 22
R0903	1-218-933-81 s	RES, CHIP 22
R1000	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1001	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1002	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1003	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1004	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1005	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1006	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1007	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1008	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)

HIF-64 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R1100	1-208-860-81 s	RES, CHIP 75 (1005)
R1101	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1105	1-250-525-11 s	RES, METAL FILM CHIP 18K(1005)
R1107	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1108	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1109	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1110	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1111	1-250-475-11 s	RES, METAL FILM CHIP 150(1005)
R1112	1-250-475-11 s	RES, METAL FILM CHIP 150(1005)
R1113	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R1114	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1115	1-218-933-81 s	RES, CHIP 22
R1116	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R1117	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1118	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1120	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1121	1-250-505-11 s	RES,METAL FILM CHIP 2.7K(1005)
R1122	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1123	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1124	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R1125	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1200	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R1201	1-218-933-81 s	RES, CHIP 22
R1202	1-218-933-81 s	RES, CHIP 22
R1203	1-218-933-81 s	RES, CHIP 22
R1204	1-218-933-81 s	RES, CHIP 22
R1205	1-218-935-81 s	RES, CHIP 33
R1206	1-218-933-81 s	RES, CHIP 22
R1207	1-218-933-81 s	RES, CHIP 22
R1300	1-218-933-81 s	RES, CHIP 22
R1301	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R1302	1-218-933-81 s	RES, CHIP 22
R1303	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1304	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1305	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1306	1-208-860-81 s	RES, CHIP 75 (1005)
R1307	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1308	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R1311	1-218-973-81 s	RES, CHIP 47K
R1312	1-218-973-81 s	RES, CHIP 47K
R1313	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1314	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1315	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R1316	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R1317	1-250-505-11 s	RES,METAL FILM CHIP 2.7K(1005)
R1319	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1320	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1321	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1322	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1323	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R1324	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1325	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1326	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1327	1-250-479-11 o	RES, METAL FILM CHIP 220(1005)
R1328	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1329	1-218-929-81 s	RES, CHIP 10
R1330	1-218-929-81 s	RES, CHIP 10
R1331	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R1332	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R1333	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R1334	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R1336	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1337	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1340	1-208-855-81 s	RES, CHIP 47 (1005)
R1341	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)

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Ref. No. or Q'ty	Part No.	SP Description
R1344	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1345	1-218-933-81 s	RES, CHIP 22
RB0400	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB0500	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB0501	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB0502	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB0601	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB0700	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB1000	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1001	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1002	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1003	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1004	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1005	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1006	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1007	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1008	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB1009	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
TH1300	△ 1-802-063-21 s	THERMISTOR, POSITIVE
VD0600	1-802-245-11 s	ESD SUPPRESSOR
VD0601	1-802-245-11 s	ESD SUPPRESSOR
VD0602	1-802-245-11 s	ESD SUPPRESSOR
VD0603	1-802-245-11 s	ESD SUPPRESSOR
X1000	1-814-576-11 s	QUARTZ CRYSTAL UNITS 27MHZ (27 MHz)
X1100	1-795-831-12 s	OSCILLATOR, CRYSTAL (VCXO)3.3V
X1200	1-814-185-11 s	OSCILLATOR, CRYSTAL

HN-400 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-362-A s	MOUNTED CIRCUIT BOARD, HN-400
CN100	1-794-378-21 s	PIN, CONNECTOR 14P
CN101	1-770-625-21 s	PIN, CONNECTOR 8P
CN102	1-818-516-71 o	CONNECTOR, FFC/FPC (ZIF) 20P
CN103	1-794-376-21 s	PIN, CONNECTOR 4P
CN104	1-815-597-31 s	CONNECTOR, FFC/FPC (ZIF) AN 6P
R100	1-218-941-81 s	RES, CHIP 100
R101	1-218-941-81 s	RES, CHIP 100
R102	1-218-941-81 s	RES, CHIP 100
R103	1-218-941-81 s	RES, CHIP 100

HP-161 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-363-A s	MOUNTED CIRCUIT BOARD, HP-161
C101	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C102	1-112-780-11 s	CAP, CERAMIC 0.47MF X7R 1608
C103	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C104	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C105	1-164-939-81 s	CAP, CHIP CERAMIC 2200PF B 1005
C106	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
CN102	1-794-377-21 s	PIN, CONNECTOR 8P
CN104	1-794-525-12 s	JACK, MIC
CN105	1-794-375-21 s	PIN, CONNECTOR 2P

HP-161 BOARD

Ref. No. or Q'ty	Part No.	SP Description
D101	8-719-069-57 s	DI UDZSUSTE-176.8B
FB101	1-481-377-21 s	FERRITE, EMI (SMD)
FL101	1-239-895-22 s	FILTER, EMI (SMD)
FL102	1-239-895-22 s	FILTER, EMI (SMD)
L101	1-469-553-21 s	INDUCTOR, CHIP 4.7UH (LB2016)
L102	1-469-553-21 s	INDUCTOR, CHIP 4.7UH (LB2016)
VDR101	1-803-974-21 s	VARISTOR, CHIP (1608)
VDR102	1-803-974-21 s	VARISTOR, CHIP (1608)

HPR-44 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1912-750-A s	MOUNTED CIRCUIT BOARD, HPR-44
C204	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C409	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C500	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C801	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C1100	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C1142	1-128-627-91 s	CAP, CERAMIC 1000PF B (0603)
C1143	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C1145	1-128-627-91 s	CAP, CERAMIC 1000PF B (0603)
C1146	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1147	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1148	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C1149	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C1150	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C1151	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1152	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C1153	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C1200	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C1201	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C1202	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C1203	1-164-940-81 s	CAP,CHIP CERAMIC 3300PF B 1005
C1204	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C1206	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C1207	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C1208	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C1209	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1210	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1211	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C1212	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C1213	1-164-858-81 s	CAP, CHIP CERAMIC 22PF CH 1005
C1214	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C1215	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C1216	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
C1217	1-116-350-21 s	CAP, CHIP CERAMIC 47UF B 2012
CN300	1-817-456-21 s	CONNECTOR, COAXIAL
CN301	1-817-456-21 s	CONNECTOR, COAXIAL
CN302	1-794-378-21 s	PIN, CONNECTOR 14P
CN400	1-770-627-21 s	PIN, CONNECTOR 10P
CN1200	1-770-625-21 s	PIN, CONNECTOR 8P
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
ET1	1-780-627-11 s	TERMINAL, LUG
ET2	1-780-627-11 s	TERMINAL, LUG
ET3	1-780-627-11 s	TERMINAL, LUG

HPR-44 BOARD

Ref. No. or Q'ty	Part No.	SP Description
ET4	1-780-627-11 s	TERMINAL, LUG
FB100	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB400	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1101	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1102	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1103	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB1200	1-469-379-21 s	FERRITE, EMI (SMD) (2012)
FB1201	1-469-379-21 s	FERRITE, EMI (SMD) (2012)
FB1202	1-469-379-21 s	FERRITE, EMI (SMD) (2012)
FL200	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL300	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL301	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL400	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL500	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL600	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL601	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL700	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL800	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1100	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL1101	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
IC101	6-706-482-01 s	IC TC7SH00FU
IC102	6-703-848-01 s	IC SN74CB3T3306DCUR
IC103	6-703-848-01 s	IC SN74CB3T3306DCUR
IC104	6-712-850-01 s	IC TC7SP3125TU (5RSO,F
IC105	6-711-497-01 s	IC TC74VCX541FK(EL)
IC106	6-707-414-01 s	IC DS90LV011ATMF
IC300	6-708-758-01 s	IC PCA9517DP.118
IC400	6-711-485-01 s	IC TC74VCX125FK(EL)
IC402	6-709-220-01 s	IC SN74AVC2T45DCUR
IC1100	6-714-506-01 s	IC MM3404A12URE
IC1202	6-708-889-01 s	IC MP2105DJ-LF-Z
IC1203	6-708-889-01 s	IC MP2105DJ-LF-Z
IC1204	6-708-889-01 s	IC MP2105DJ-LF-Z
L1100	1-457-852-11 s	COIL, CHOKE 1.2UH
L1200	1-457-612-11 s	COIL, CHOKE 0.78UH
L1201	1-481-992-11 s	INDUCTOR 1UH (2520)
L1202	1-481-992-11 s	INDUCTOR 1UH (2520)
L1203	1-481-992-11 s	INDUCTOR 1UH (2520)
L1204	1-457-852-11 s	COIL, CHOKE 1.2UH
Q1100	8-729-929-27 s	TRANSISTOR DTC114TE-TL
Q1101	8-729-929-27 s	TRANSISTOR DTC114TE-TL
Q1102	6-552-624-01 s	TR SI2301CDS-T1-GE3
Q1103	6-552-624-01 s	TR SI2301CDS-T1-GE3
Q1200	8-729-929-27 s	TRANSISTOR DTC114TE-TL
Q1201	6-552-624-01 s	TR SI2301CDS-T1-GE3
Q1202	8-729-929-27 s	TRANSISTOR DTC114TE-TL
Q1203	6-552-624-01 s	TR SI2301CDS-T1-GE3
R101	1-218-929-81 s	RES, CHIP 10
R102	1-218-929-81 s	RES, CHIP 10
R300	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R301	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R302	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R400	1-218-947-81 s	RES, CHIP 330
R401	1-218-929-81 s	RES, CHIP 10
R403	1-218-929-81 s	RES, CHIP 10
R405	1-218-961-81 s	RES, CHIP 4.7K
R406	1-250-463-11 s	RES, METAL FILM CHIP 47 (1005)
R407	1-218-961-81 s	RES, CHIP 4.7K
R408	1-218-961-81 s	RES, CHIP 4.7K
R409	1-218-961-81 s	RES, CHIP 4.7K
R410	1-218-961-81 s	RES, CHIP 4.7K
R411	1-218-929-81 s	RES, CHIP 10

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Ref. No. or Q'ty	Part No.	SP Description
R413	1-250-463-11 s	RES, METAL FILM CHIP 47 (1005)
R414	1-218-961-81 s	RES, CHIP 4.7K
R602	1-218-929-81 s	RES, CHIP 10
R702	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R703	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R704	1-218-929-81 s	RES, CHIP 10
R705	1-218-929-81 s	RES, CHIP 10
R706	1-218-929-81 s	RES, CHIP 10
R707	1-218-929-81 s	RES, CHIP 10
R708	1-218-929-81 s	RES, CHIP 10
R709	1-218-929-81 s	RES, CHIP 10
R711	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R712	1-218-929-81 s	RES, CHIP 10
R713	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R714	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R717	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R800	1-240-752-91 s	RES, CHIP 47 (0603)
R801	1-240-752-91 s	RES, CHIP 47 (0603)
R802	1-240-752-91 s	RES, CHIP 47 (0603)
R803	1-240-752-91 s	RES, CHIP 47 (0603)
R804	1-218-929-81 s	RES, CHIP 10
R805	1-218-929-81 s	RES, CHIP 10
R806	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R900	1-240-752-91 s	RES, CHIP 47 (0603)
R901	1-240-752-91 s	RES, CHIP 47 (0603)
R902	1-240-752-91 s	RES, CHIP 47 (0603)
R903	1-240-752-91 s	RES, CHIP 47 (0603)
R904	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1000	1-240-752-91 s	RES, CHIP 47 (0603)
R1001	1-240-752-91 s	RES, CHIP 47 (0603)
R1002	1-240-752-91 s	RES, CHIP 47 (0603)
R1003	1-240-752-91 s	RES, CHIP 47 (0603)
R1004	1-240-744-91 s	RES, CHIP 22 (0603)
R1005	1-240-744-91 s	RES, CHIP 22 (0603)
R1006	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1101	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R1102	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R1103	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1104	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1105	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1106	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1107	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1108	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1109	1-250-543-11 o	RES,METAL FILM CHIP 10K(1005)
R1110	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1200	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1201	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1202	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1203	1-250-515-11 s	RES,METAL FILM CHIP 6.8K(1005)
R1204	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R1205	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1206	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1207	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1208	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R1209	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R1210	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R1211	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R1212	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R1213	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1214	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R1215	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1216	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R1217	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1218	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1219	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)

HPR-44 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R1220	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1221	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R1222	1-218-990-81 s	CONDUCTOR, CHIP (1005)
RB400	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB401	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB402	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB403	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB404	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB700	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
TP100	1-780-638-22 s	CONTACT TERMINAL
TP101	1-780-638-22 s	CONTACT TERMINAL
X100	1-814-185-11 s	OSCILLATOR, CRYSTAL
X400	1-814-597-11 s	OSCILLATOR, CRYSTAL(33.333MHZ)

IF-1195 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1945-778-A s	MOUNTED CIRCUIT BOARD, IF-1195
C109	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C123	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C124	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C125	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C126	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C127	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C128	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C129	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C130	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
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	1-112-778-11 s	CAP, CERAMIC 0.022MF X7R 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	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C206	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C207	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C208	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C209	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C210	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C211	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C212	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
CN100	1-817-456-21 s	CONNECTOR, COAXIAL
CN101	1-778-795-21 s	PIN, CONNECTOR (PC BOARD) 9P
CN102	1-817-054-21 s	PIN, CONNECTOR 6P
CN103	1-794-378-21 s	PIN, CONNECTOR 14P
CN104	1-770-620-21 s	PIN, CONNECTOR 3P
CN200	1-817-869-21 s	PIN, CONNECTOR 10P
D200	8-719-989-04 s	DIODE DAN222-TL
D201	8-719-991-01 s	DIODE DAP222-TL
D202	8-719-989-04 s	DIODE DAN222-TL
FB200	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FL100	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL101	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
IC103	6-703-238-01 s	IC TC7WZ34FK
IC104	8-759-592-49 s	IC TC7SZ125FU(TE85R)
IC200	6-703-879-01 s	IC NJU7043RB1(TE2)
IC201	8-759-675-54 s	IC TC7W53FK(TE85R)
IC202	8-759-675-54 s	IC TC7W53FK(TE85R)

IF-1195 BOARD

Ref. No. or Q'ty	Part No.	SP Description
IC204	8-759-592-49 s	IC TC7SZ125FU(TE85R)
L100	1-457-223-11 s	COMMON MODE CHOKE COIL
Q101	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q200	8-729-928-28 s	TRANSISTOR DTA144EE-TL
Q201	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q202	6-552-642-01 s	TR SI2304DDS-T1-GE3
Q203	6-552-642-01 s	TR SI2304DDS-T1-GE3
Q204	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q205	8-729-928-82 s	TRANSISTOR DTC144EE-TL
R101	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R104	1-218-953-81 s	RES, CHIP 1.0K
R105	1-218-953-81 s	RES, CHIP 1.0K
R107	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R108	1-218-953-81 s	RES, CHIP 1.0K
R109	1-218-953-81 s	RES, CHIP 1.0K
R110	1-218-953-81 s	RES, CHIP 1.0K
R111	1-218-953-81 s	RES, CHIP 1.0K
R112	1-218-953-81 s	RES, CHIP 1.0K
R113	1-218-953-81 s	RES, CHIP 1.0K
R114	1-218-953-81 s	RES, CHIP 1.0K
R115	1-218-953-81 s	RES, CHIP 1.0K
R116	1-218-953-81 s	RES, CHIP 1.0K
R117	1-218-933-81 s	RES, CHIP 22
R119	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R120	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R121	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R122	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R123	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R124	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R125	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R126	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R127	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R128	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R129	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R130	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R202	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R203	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R205	1-218-965-81 s	RES, CHIP 10K 1005
R206	1-218-965-81 s	RES, CHIP 10K 1005
R207	1-218-941-81 s	RES, CHIP 100
R208	1-218-941-81 s	RES, CHIP 100
R209	1-218-965-81 s	RES, CHIP 10K 1005
R210	1-218-941-81 s	RES, CHIP 100
R211	1-218-977-81 s	RES, CHIP 100K
R212	1-218-977-81 s	RES, CHIP 100K
R218	1-218-965-81 s	RES, CHIP 10K 1005
R219	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R220	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R221	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R222	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R223	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R225	1-218-965-81 s	RES, CHIP 10K 1005
R226	1-218-941-81 s	RES, CHIP 100
R228	1-218-953-81 s	RES, CHIP 1.0K
R230	1-218-977-81 s	RES, CHIP 100K
R231	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R232	1-218-965-81 s	RES, CHIP 10K 1005
R233	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R234	1-218-965-81 s	RES, CHIP 10K 1005
R235	1-218-933-81 s	RES, CHIP 22
RB200	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB201	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB202	1-234-380-21 s	RES, NETWORK 47K (1005X4)

IF-1195 BOARD

Ref. No. or Q'ty	Part No.	SP Description
RB203	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB204	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB205	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB206	1-234-380-21 s	RES, NETWORK 47K (1005X4)
RB207	1-234-380-21 s	RES, NETWORK 47K (1005X4)

IF-1208 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-350-A s	MOUNTED CIRCUIT BOARD, IF-1208
C100	1-116-707-11 s	CAP, CERAMIC 47MF X5R 3216
C101	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C200	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C202	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C203	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C204	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C205	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C206	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C208	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C209	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C210	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C213	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C214	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C215	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C219	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C220	1-114-582-91 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
C226	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C227	1-114-582-91 s	CAP, CERAMIC 0.1MF 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
C232	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C233	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C234	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C236	1-116-713-11 s	CAP, CERAMIC 22MF X5R 2012
C239	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C305	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C308	1-116-045-91 s	CAP, CERAMIC 4.7MF B 2012
C309	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C310	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C311	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C312	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C313	1-114-817-11 s	CAP, CERAMIC 2.2UF X7R 3216
C318	1-118-040-11 s	CAP, CERAMIC 2.2MF X5R (1608)
C319	1-118-040-11 s	CAP, CERAMIC 2.2MF X5R (1608)
C320	1-118-040-11 s	CAP, CERAMIC 2.2MF X5R (1608)
C321	1-114-817-11 s	CAP, CERAMIC 2.2UF X7R 3216
C322	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C323	1-118-040-11 s	CAP, CERAMIC 2.2MF X5R (1608)
C328	1-114-813-11 s	CAP, CERAMIC 1UF X7R 1608
C329	1-114-813-11 s	CAP, CERAMIC 1UF X7R 1608
C330	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C331	1-118-040-11 s	CAP, CERAMIC 2.2MF X5R (1608)
C332	1-118-040-11 s	CAP, CERAMIC 2.2MF X5R (1608)
C334	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C336	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C337	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C338	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005

IF-1208 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C339	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
CN100	1-822-974-11 s	CONNECTOR, COAXIAL 40P
CN200	1-843-070-61 s	CONNECTOR, FPC (LIF (NON-ZIF))
CN300	1-821-499-21 s	CONNECTOR, FPC (ZIF) 39P
D300	8-719-065-59 s	DIODE MBR0530T1
E102	1-535-757-21 s	CHIP, CHECKER
FB207	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB208	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB209	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB215	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB301	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB302	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB304	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FB306	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
IC200	6-704-643-01 s	IC R3112N221A-TR-FE
IC202	6-720-423-01 s	IC W25Q16CVZPIGA
IC300	6-708-882-01 s	IC BH18MA3WHFV-TR
IC303	6-712-135-01 o	IC R1173H001D-T1-FE
L301	1-481-035-11 s	INDUCTOR (10UH)
PS100	⚠ 1-576-122-21 s	LINK, IC (0.4A/72V)
PS101	⚠ 1-576-122-21 s	LINK, IC (0.4A/72V)
Q201	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q202	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q300	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q301	6-552-484-01 s	TR RE1C0022PFU7TL
R108	1-218-965-81 s	RES, CHIP 10K 1005
R202	1-218-965-81 s	RES, CHIP 10K 1005
R204	1-218-965-81 s	RES, CHIP 10K 1005
R205	1-218-933-81 s	RES, CHIP 22
R206	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R208	1-218-961-81 s	RES, CHIP 4.7K
R209	1-218-947-81 s	RES, CHIP 330
R210	1-218-961-81 s	RES, CHIP 4.7K
R211	1-218-961-81 s	RES, CHIP 4.7K
R212	1-218-959-81 s	RES, CHIP 3.3K
R213	1-218-959-81 s	RES, CHIP 3.3K
R218	1-218-957-81 s	RES, CHIP 2.2K
R220	1-218-961-81 s	RES, CHIP 4.7K
R241	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R309	1-218-929-81 s	RES, CHIP 10
R313	1-250-523-11 o	RES, METAL FILM CHIP 15K(1005)
R317	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R318	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R319	1-218-965-81 s	RES, CHIP 10K 1005
R320	1-218-953-81 s	RES, CHIP 1.0K
R321	1-218-965-81 s	RES, CHIP 10K 1005
R323	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R324	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
RB200	1-234-377-21 s	RES, NETWORK 4.7K (1005X4)
RB201	1-234-376-21 s	RES, NETWORK 2.2K (1005X4)

IR-57 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-348-A s	MOUNTED CIRCUIT BOARD, IR-57
C100	1-114-868-11 s	CAP, CERAMIC 0.1MF X7R 1608

IR-57 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C101	1-114-868-11 s	CAP, CERAMIC 0.1MF X7R 1608
C102	1-114-868-11 s	CAP, CERAMIC 0.1MF X7R 1608
CN100	1-843-584-11 s	CONNECTOR, MOUNT (F5)
FB100	1-400-580-21 s	FERRITE, EMI (SMD)
FB101	1-400-580-21 s	FERRITE, EMI (SMD)
FB103	1-400-580-21 s	FERRITE, EMI (SMD)
FB104	1-400-580-21 s	FERRITE, EMI (SMD)
FB105	1-400-580-21 s	FERRITE, EMI (SMD)
FB106	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB107	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB108	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB109	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB110	1-414-445-21 s	FERRITE, EMI (SMD) (1608)
FB111	1-414-445-21 s	FERRITE, EMI (SMD) (1608)

KY-686 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1945-777-A s	MOUNTED CIRCUIT BOARD, KY-686
BT1000	1-756-991-21 s	HOLDER, LITHIUM BATTERY (CR203
C2000	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2001	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2002	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2003	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2004	1-112-815-91 s	CAP, CERAMIC 10MF C (1608)
C2005	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2006	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2007	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2008	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2009	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2010	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C2011	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C4000	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C4001	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C4008	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C4009	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C4010	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C4011	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C4012	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C4013	1-112-746-91 s	CAP, CERAMIC 4.7MF B (1608)
C4014	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C4016	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C4017	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C4018	1-100-611-91 s	CAP, CERAMIC 22MF C (2012)
CN1000	1-822-974-11 s	CONNECTOR, COAXIAL 40P
CN1002	1-785-125-21 s	CONNECTOR 6P
CN1004	1-817-054-21 s	PIN, CONNECTOR 6P
CN1005	1-818-210-21 s	PIN, CONNECTOR 2P
CN1006	1-794-057-21 s	PIN, CONNECTOR (PC BOARD) 2P
CN2001	1-784-254-21 s	CONNECTOR 10P
D3000	6-502-598-01 s	DI SML-D12U8WT86
D3002	6-502-598-01 s	DI SML-D12U8WT86
D3004	6-502-196-01 s	DI SML-D12Y8WT86SP
D3005	6-502-196-01 s	DI SML-D12Y8WT86SP
D3006	6-502-196-01 s	DI SML-D12Y8WT86SP
D3007	6-502-196-01 s	DI SML-D12Y8WT86SP
D3008	6-502-196-01 s	DI SML-D12Y8WT86SP
D3009	6-502-196-01 s	DI SML-D12Y8WT86SP

KY-686 BOARD

Ref. No. or Q'ty	Part No.	SP Description
E1000	1-535-757-21 s	CHIP, CHECKER
E1001	1-535-757-21 s	CHIP, CHECKER
ET1000	1-780-627-11 s	TERMINAL, LUG
ET1001	1-780-627-11 s	TERMINAL, LUG
ET1002	1-780-627-11 s	TERMINAL, LUG
ET1003	1-780-627-11 s	TERMINAL, LUG
ET1004	1-780-627-11 s	TERMINAL, LUG
ET1005	1-780-627-11 s	TERMINAL, LUG
FB1000	1-400-462-21 s	FERRITE, EMI (SMD) (1005)
FL4000	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
FL4001	1-234-939-21 s	FILTER, EMI REMOVAL (SMD)
IC2001	6-711-485-01 s	IC TC74VCX125FK (EL)
IC2003	8-759-592-48 s	IC TC7SZ32FU (TE85R)
IC4000	6-705-032-01 s	IC TC74VCX162827 (EL,F
IC4001	8-759-592-49 s	IC TC7SZ125FU (TE85R)
IC4002	8-759-592-49 s	IC TC7SZ125FU (TE85R)
IC4004	6-708-889-01 s	IC MP2105DJ-LF-Z
L4000	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L4001	1-469-549-21 s	INDUCTOR, CHIP 1.0UH (LB2016)
L4002	1-481-992-11 s	INDUCTOR 1UH (2520)
Q3000	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q3001	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q3002	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q3003	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q3004	8-729-929-09 s	TRANSISTOR DTC123JE-TL
Q4000	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q4001	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q4002	6-552-642-01 s	TR SI2304DDS-T1-GE3
Q4003	6-552-642-01 s	TR SI2304DDS-T1-GE3
R1001	1-218-953-81 s	RES, CHIP 1.0K
R2000	1-218-957-81 s	RES, CHIP 2.2K
R2001	1-218-973-81 s	RES, CHIP 47K
R2002	1-218-973-81 s	RES, CHIP 47K
R2003	1-218-973-81 s	RES, CHIP 47K
R2004	1-218-973-81 s	RES, CHIP 47K
R2005	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R3000	1-218-951-81 s	RES, CHIP 680
R3002	1-218-951-81 s	RES, CHIP 680
R3004	1-218-951-81 s	RES, CHIP 680
R3005	1-218-951-81 s	RES, CHIP 680
R3006	1-218-951-81 s	RES, CHIP 680
R3007	1-218-951-81 s	RES, CHIP 680
R3008	1-218-951-81 s	RES, CHIP 680
R3009	1-218-951-81 s	RES, CHIP 680
R4000	1-218-965-81 s	RES, CHIP 10K 1005
R4001	1-218-977-81 s	RES, CHIP 100K
R4002	1-218-977-81 s	RES, CHIP 100K
R4003	1-218-977-81 s	RES, CHIP 100K
R4004	1-218-977-81 s	RES, CHIP 100K
R4005	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R4006	1-208-951-81 s	RES, CHIP 470K (1005)
R4007	1-208-943-81 s	RES, CHIP 220K (1005)
R4008	1-208-913-81 s	RES, CHIP 12K (1005)
R4009	1-218-965-81 s	RES, CHIP 10K 1005
RB2000	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB2001	1-234-381-21 s	RES, NETWORK 100K (1005X4)
RB2002	1-234-381-21 s	RES, NETWORK 100K (1005X4)
RB2003	1-234-369-21 s	RES, NETWORK 10 (1005X4)
RB3000	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB3001	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB3002	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB3003	1-234-375-21 s	RES, NETWORK 1K (1005X4)

KY-686 BOARD

Ref. No. or Q'ty	Part No.	SP Description
RB3004	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB3005	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB4000	1-234-370-21 s	RES, NETWORK 22 (1005X4)
S3000	1-771-140-21 s	SWITCH, SLIDE
S3001	1-798-311-11 s	SWITCH, TACTILE
S3002	1-798-311-11 s	SWITCH, TACTILE
S3003	1-571-787-11 s	SWITCH, TACTILE
S3004	1-571-787-11 s	SWITCH, TACTILE
S3005	1-571-787-11 s	SWITCH, TACTILE
S3006	1-571-787-11 s	SWITCH, TACTILE
S3007	1-798-311-11 s	SWITCH, TACTILE
S3008	1-798-311-11 s	SWITCH, TACTILE
S3009	1-798-311-11 s	SWITCH, TACTILE
S3010	1-798-311-11 s	SWITCH, TACTILE
S3011	1-798-311-11 s	SWITCH, TACTILE
S3012	1-798-311-11 s	SWITCH, TACTILE
S3013	1-571-787-11 s	SWITCH, TACTILE
S3014	1-798-311-11 s	SWITCH, TACTILE
S3015	1-798-311-11 s	SWITCH, TACTILE
S3016	1-798-311-11 s	SWITCH, TACTILE
S3017	1-571-787-11 s	SWITCH, TACTILE
S3018	1-571-787-11 s	SWITCH, TACTILE
S3019	1-571-787-11 s	SWITCH, TACTILE
S3020	1-571-787-11 s	SWITCH, TACTILE

PSW-99 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-447-A s	MOUNTED CIRCUIT BOARD, PSW-99
CN1000	1-794-376-21 s	PIN, CONNECTOR 4P
R1000	1-218-929-81 s	RES, CHIP 10
S1000	1-762-001-21 s	SWITCH, TOGGLE
VDR100	1-805-774-21 s	VARISTOR, CHIP

RE-307 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1912-748-A s	MOUNTED CIRCUIT BOARD, RE-307
C101	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C102	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C105	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C108	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C109	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C110	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C111	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C112	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C113	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C114	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C115	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C117	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C118	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C119	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C120	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C121	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608

RE-307 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C122	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C123	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C124	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C127	1-112-797-11 s	CAP, ELECT 470MF
C129	1-116-166-11 s	CAP, CERAMIC 10MF X7R 3225
C130	1-116-166-11 s	CAP, CERAMIC 10MF X7R 3225
C131	1-114-507-11 s	CAP, CERAMIC 1UF X7R
C134	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C135	1-116-166-11 s	CAP, CERAMIC 10MF X7R 3225
C136	1-114-813-11 s	CAP, CERAMIC 1UF X7R 1608
C137	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C139	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C140	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C141	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C142	1-116-099-11 s	CAP, ELECT 100MF 105
C201	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C202	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C203	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C204	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C205	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C206	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C207	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C208	1-164-936-81 s	CAP, CHIP CERAMIC 680PF B 1005
C209	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C210	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C211	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C212	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C213	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C214	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C215	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C216	1-114-419-21 s	CAP, CERAMIC 10MF B (2012)
C217	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C218	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C219	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C220	1-100-581-81 s	CAP,CHIP CERAMIC0.0047MF B1005
C221	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C222	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C223	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C224	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C225	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C226	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C227	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C228	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C229	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C230	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C231	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C232	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C233	1-116-347-11 s	CAP, ELECT 150MF 105
C234	1-116-347-11 s	CAP, ELECT 150MF 105
C235	1-116-347-11 s	CAP, ELECT 150MF 105
C236	1-116-347-11 s	CAP, ELECT 150MF 105
C238	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C239	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C301	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C302	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C303	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C304	1-100-567-81 s	CAP,CHIP CERAMIC 0.01MF B 1005
C305	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C306	1-112-717-91 s	CAP, CERAMIC 1UF B (1005)
C307	1-164-882-81 s	CAP,CHIP CERAMIC 220PF CH 1005
C308	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C309	1-114-214-81 s	CAP,CHIP CERAMIC470PF CH1005
C310	1-112-863-91 s	CAP, CERAMIC 0.22MF B (1005)
C311	1-135-960-91 s	CAP, CHIP CERAMIC 10MF B(3225)
C312	1-116-112-11 s	CAP, ELECT 68MF 105

RE-307 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C313	1-164-866-81 s	CAP, CHIP CERAMIC 47PF CH 1005
C314	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C315	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C316	1-112-778-11 s	CAP, CERAMIC 0.022MF X7R 1005
C317	1-164-936-81 s	CAP, CHIP CERAMIC 680PF B 1005
C318	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
C319	1-114-965-11 s	CAP, CERAMIC 4.7MF X7R (3225)
C320	1-164-874-81 s	CAP,CHIP CERAMIC 100PF CH 1005
C321	1-114-965-11 s	CAP, CERAMIC 4.7MF X7R (3225)
C322	1-114-965-11 s	CAP, CERAMIC 4.7MF X7R (3225)
C324	1-100-916-11 s	CAP, CERAMIC 0.1MF X7R 1005
C325	1-116-166-11 s	CAP, CERAMIC 10MF X7R 3225
C326	1-112-778-11 s	CAP, CERAMIC 0.022MF X7R 1005
C327	1-114-965-11 s	CAP, CERAMIC 4.7MF X7R (3225)
C328	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C329	1-116-737-11 s	CAP, CERAMIC 1MF X5R 1005
C330	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C331	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C332	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C333	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C334	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C336	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C337	1-100-591-91 s	CAP, CHIP CERAMIC 1MF B 2012
C340	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C341	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C342	1-100-916-11 s	CAP, CERAMIC 0.1MF X7R 1005
C343	1-100-597-91 s	CAP, CHIP CERAMIC 0.1MF B 1608
C401	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C402	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C403	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C404	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C405	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C406	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C407	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C408	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C409	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C410	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
C411	1-112-692-81 s	CAP,CHIP CERAMIC1000PF CH 1005
CN101	1-770-161-21 s	PIN, CONNECTOR (PC BOARD) 6P
CN102	1-778-795-21 s	PIN, CONNECTOR (PC BOARD) 9P
CN103	1-817-054-21 s	PIN, CONNECTOR 6P
CN104	1-784-254-21 s	CONNECTOR 10P
CN301	1-770-620-21 s	PIN, CONNECTOR 3P
CN401	1-815-339-21 s	PIN, CONNECTOR 50P
CN405	1-770-625-21 s	PIN, CONNECTOR 8P
CN406	1-750-005-21 o	PIN, CONNECTOR (PC BOARD) 4P
CN407	1-770-625-21 s	PIN, CONNECTOR 8P
CN408	1-770-623-21 s	PIN, CONNECTOR 6P
CN409	1-770-623-21 s	PIN, CONNECTOR 6P
CN410	1-770-621-21 s	PIN, CONNECTOR 4P
D101	8-719-066-92 s	DIODE D1FL20U-TA
D102	8-719-066-92 s	DIODE D1FL20U-TA
D104	8-719-069-59 s	DI UDZSUSTE-178.2B
D105	8-719-069-28 s	DI 1SS400FJTE61
D106	6-502-527-01 s	DI UDZSUSTE-172.2B
D107	8-719-083-58 s	DI UDZSUSTE-173.9B
D109	8-719-069-28 s	DI 1SS400FJTE61
D111	8-719-083-57 s	DI UDZSUSTE-173.6B
D112	8-719-066-92 s	DIODE D1FL20U-TA
D301	8-719-072-43 s	DIODE RB050L-40TE25
D302	8-719-083-83 s	DI UDZSUSTE-1715B
D303	8-719-069-28 s	DI 1SS400FJTE61
D304	8-719-069-28 s	DI 1SS400FJTE61
D305	8-719-072-43 s	DIODE RB050L-40TE25

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Ref. No. or Q'ty	Part No.	SP Description
D306	8-719-069-55 s	DI UDZSUSTE-175.6B
D307	8-719-056-48 s	DI 1SS388
D308	8-719-056-48 s	DI 1SS388
D309	8-719-083-70 s	DI UDZSUSTE-1727B
D310	8-719-069-55 s	DI UDZSUSTE-175.6B
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
F101	△ 1-576-566-21 s	FUSE (SMD) (15A/65V)
FB201	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB202	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB203	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB204	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB205	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB206	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB207	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
FB208	1-416-976-21 s	FERRITE, EMI (SMD) (3216)
IC102	6-702-879-01 s	IC R3112N281A-TR-FE
IC103	6-711-947-01 s	IC MM1431CURE
IC104	6-702-879-01 s	IC R3112N281A-TR-FE
IC105	6-703-976-01 s	IC R1114Q181D-TR-FE
IC106	6-720-439-01 s	IC 5M160ZE64I5N-RE307V100
IC107	8-759-588-01 s	IC LTC1473CGN-E2
IC108	8-759-273-87 s	IC NJM2901V(Te2)
IC109	6-718-933-01 s	IC TPS7A1633DGNR
IC301	6-704-567-01 s	IC R3112N451A-TR-FE
IC302	8-759-436-53 s	IC LTC1153CS8-E2
IC303	6-708-657-01 s	IC XC9201D09AKR
IC305	8-759-710-84 s	IC NJM2406F-TE2
IC306	8-759-338-95 s	IC NJM2903V(Te2)
IC307	8-759-710-84 s	IC NJM2406F-TE2
IC308	6-701-652-01 s	IC MAX4374TEUB+TG069
IC309	6-701-652-01 s	IC MAX4374TEUB+TG069
IC310	8-759-337-41 s	IC NJM2902V-TE2
L201	1-457-144-21 s	COIL, CHOKE (SMD) 4.7UH(10X10)
L202	1-457-144-21 s	COIL, CHOKE (SMD) 4.7UH(10X10)
L203	1-457-144-21 s	COIL, CHOKE (SMD) 4.7UH(10X10)
L204	1-457-144-21 s	COIL, CHOKE (SMD) 4.7UH(10X10)
L301	1-457-144-21 s	COIL, CHOKE (SMD) 4.7UH(10X10)
L302	1-460-377-11 s	COIL, CHOKE 33UH
L303	1-457-455-11 s	CHOKE COIL 10UH
L304	1-457-454-11 s	CHOKE COIL 47UH
L305	1-460-426-11 s	COIL, CHOKE 1.0UH
Q101	6-551-090-01 s	TRANSISTOR FET HAT1125H-EL-E
Q102	6-552-468-01 s	TR FDMC6679AZ
Q103	6-550-980-01 s	TR RN1904
Q104	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q105	6-552-494-01 s	TR SI2307CDS-T1-GE3
Q106	6-551-041-01 s	TR RN4904
Q107	6-550-718-01 s	TRANSISTOR RSR025N03TL
Q114	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q115	6-550-980-01 s	TR RN1904
Q117	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q118	6-551-090-01 s	TRANSISTOR FET HAT1125H-EL-E
Q120	6-550-980-01 s	TR RN1904
Q121	6-550-980-01 s	TR RN1904
Q201	8-729-013-24 s	TR HN1C01FU
Q202	8-729-013-24 s	TR HN1C01FU
Q203	6-552-473-21 s	TR FDMC7692
Q204	6-552-473-21 s	TR FDMC7692
Q205	6-552-473-21 s	TR FDMC7692
Q206	6-552-473-21 s	TR FDMC7692

RE-307 BOARD

Ref. No. or Q'ty	Part No.	SP Description
Q207	6-552-473-21 s	TR FDMC7692
Q208	6-552-473-21 s	TR FDMC7692
Q209	6-552-473-21 s	TR FDMC7692
Q210	6-552-473-21 s	TR FDMC7692
Q301	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q302	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q303	6-552-468-01 s	TR FDMC6679AZ
Q304	6-552-468-01 s	TR FDMC6679AZ
Q306	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q308	6-551-041-01 s	TR RN4904
Q309	6-550-980-01 s	TR RN1904
Q310	6-550-980-01 s	TR RN1904
Q311	6-551-041-01 s	TR RN4904
Q312	6-551-090-01 s	TRANSISTOR FET HAT1125H-EL-E
Q313	6-551-090-01 s	TRANSISTOR FET HAT1125H-EL-E
Q316	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q317	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q318	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q319	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
Q320	8-729-928-25 s	TRANSISTOR 2SA1774TL-QR
Q321	8-729-928-82 s	TRANSISTOR DTC144EE-TL
Q322	8-729-928-05 s	TRANSISTOR 2SC4617TL-QR
R101	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R102	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R103	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R104	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R105	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R106	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R107	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R108	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R110	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R112	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R113	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R114	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R115	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R116	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R117	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R118	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R124	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R125	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R126	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R127	1-250-547-11 s	RES,METAL FILM CHIP 150K(1005)
R128	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R129	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R130	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R131	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R134	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R135	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R136	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R137	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R138	1-250-539-11 o	RES, METAL FILM CHIP 68K(1005)
R139	1-250-539-11 o	RES, METAL FILM CHIP 68K(1005)
R140	1-250-483-11 s	RES, METAL FILM CHIP 330(1005)
R141	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R142	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R143	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R144	1-250-455-11 s	RES, METAL FILM CHIP 22 (1005)
R145	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R146	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R147	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R150	1-208-879-81 s	RES, CHIP 470 (1005)
R151	1-257-368-11 s	RES, METAL PLATE 0.022
R152	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R153	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)

RE-307 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R154	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R157	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R159	1-216-295-91 s	CONDUCTOR, CHIP (2012)
R163	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R164	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R165	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R166	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R168	1-216-797-91 s	RES, CHIP 10 (1608)
R201	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R203	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R204	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R205	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R210	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R211	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R212	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R216	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R217	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R218	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R219	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R220	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R221	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R222	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R223	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R224	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R225	1-250-547-11 s	RES,METAL FILM CHIP 150K(1005)
R226	1-250-547-11 s	RES,METAL FILM CHIP 150K(1005)
R227	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R228	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R229	1-250-515-11 s	RES,METAL FILM CHIP 6.8K(1005)
R230	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R231	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R232	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R233	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R234	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R235	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R236	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R237	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R238	1-250-523-11 o	RES, METAL FILM CHIP 15K(1005)
R239	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R240	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R242	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R244	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R247	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R248	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R249	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R250	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R251	1-242-967-81 s	RES, CHIP 1.0 (1005)
R252	1-242-967-81 s	RES, CHIP 1.0 (1005)
R255	1-242-967-81 s	RES, CHIP 1.0 (1005)
R256	1-242-967-81 s	RES, CHIP 1.0 (1005)
R263	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R264	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R265	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R266	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R267	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R268	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R269	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R270	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R271	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R272	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R301	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R302	1-250-563-11 s	RES,METAL FILM CHIP 680K(1005)
R303	1-250-515-11 s	RES,METAL FILM CHIP 6.8K(1005)
R305	1-257-368-11 s	RES, METAL PLATE 0.022
R307	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)

RE-307 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R308	1-250-559-11 o	RES,METAL FILM CHIP 470K(1005)
R309	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R310	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R311	1-250-463-11 s	RES, METAL FILM CHIP 47 (1005)
R312	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R313	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R314	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R315	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R316	1-250-531-11 s	RES, METAL FILM CHIP 33K(1005)
R317	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R318	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R319	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R320	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R321	1-250-555-11 s	RES,METAL FILM CHIP 330K(1005)
R322	1-250-507-11 o	RES,METAL FILM CHIP 3.3K(1005)
R323	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R324	1-250-535-11 s	RES, METAL FILM CHIP 47K(1005)
R325	1-250-551-11 s	RES,METAL FILM CHIP 220K(1005)
R326	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R327	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R328	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R329	1-250-523-11 o	RES, METAL FILM CHIP 15K(1005)
R330	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R331	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R332	1-216-833-91 s	RES, CHIP 10K (1608)
R333	1-250-471-11 s	RES, METAL FILM CHIP 100(1005)
R334	1-250-547-11 s	RES,METAL FILM CHIP 150K(1005)
R335	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R336	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R339	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R340	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R341	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R342	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R343	1-218-859-91 s	RES, CHIP 3.3K (1608)
R344	1-218-859-91 s	RES, CHIP 3.3K (1608)
R345	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R346	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R347	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R348	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R349	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R350	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R351	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R352	1-250-539-11 o	RES, METAL FILM CHIP 68K(1005)
R353	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R354	1-250-503-11 o	RES,METAL FILM CHIP 2.2K(1005)
R355	1-250-539-11 o	RES, METAL FILM CHIP 68K(1005)
R356	1-250-527-11 o	RES, METAL FILM CHIP 22K(1005)
R357	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R359	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R361	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R362	1-250-543-11 o	RES,METAL FILM CHIP 100K(1005)
R363	1-211-899-91 s	RES,SQUARE TYPE CHIP 0.22 3225
R364	1-211-899-91 s	RES,SQUARE TYPE CHIP 0.22 3225
R365	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R366	1-208-890-81 s	RES, CHIP 1.3K (1005)
R367	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R368	1-208-890-81 s	RES, CHIP 1.3K (1005)
R369	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R370	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R371	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R372	1-250-495-11 s	RES,METAL FILM CHIP 1.0K(1005)
R373	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R374	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R375	1-211-899-91 s	RES,SQUARE TYPE CHIP 0.22 3225
R376	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)

RE-307 BOARD

Ref. No. or Q'ty	Part No.	SP Description
R377	1-216-833-91 s	RES, CHIP 10K (1608)
RB101	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB102	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB104	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB105	1-234-375-21 s	RES, NETWORK 1K (1005X4)
RB106	1-234-375-21 s	RES, NETWORK 1K (1005X4)
THP101	△ 1-771-845-21 s	THERMISTOR, POSITIVE
THP301	△ 1-803-615-21 s	THERMISTOR, POSITIVE
THP302	1-802-063-21 s	THERMISTOR, POSITIVE
THP303	1-802-063-21 s	THERMISTOR, POSITIVE
TP401	1-535-877-22 s	CHIP, CHECKER
TP402	1-535-877-22 s	CHIP, CHECKER
TP403	1-535-877-22 s	CHIP, CHECKER
VDR101	1-803-742-21 s	VARISTOR, CHIP
VDR102	1-803-742-21 s	VARISTOR, CHIP
VDR103	1-803-742-21 s	VARISTOR, CHIP
VDR104	1-803-742-21 s	VARISTOR, CHIP
VDR105	1-803-742-21 s	VARISTOR, CHIP
VDR106	1-803-742-21 s	VARISTOR, CHIP
VDR107	1-803-742-21 s	VARISTOR, CHIP
VDR110	1-803-742-21 s	VARISTOR, CHIP
VDR111	1-803-742-21 s	VARISTOR, CHIP
VDR112	1-803-742-21 s	VARISTOR, CHIP
VDR113	1-803-742-21 s	VARISTOR, CHIP
X101	1-813-329-11 s	OSCILLATOR, CRYSTAL

SE-1111 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-445-A s	MOUNTED CIRCUIT BOARD, SE-1111
C1	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
FB1	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
PH1	6-600-300-01 s	IC NJL5901R (TE1)
PH2	6-600-300-01 s	IC NJL5901R (TE1)
Q1	8-729-929-27 s	TRANSISTOR DTC114TE-TL
Q2	8-729-929-27 s	TRANSISTOR DTC114TE-TL
R2	1-250-481-11 s	RES, METAL FILM CHIP 270(1005)
R3	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)
R4	1-250-481-11 s	RES, METAL FILM CHIP 270(1005)
R5	1-250-511-11 o	RES,METAL FILM CHIP 4.7K(1005)

SE-1114 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-440-A s	MOUNTED CIRCUIT BOARD, SE-1114
C001	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
FB001	1-414-864-21 s	FERRITE, EMI (SMD) (1608)
PH001	6-600-300-01 s	IC NJL5901R (TE1)
PH002	6-600-300-01 s	IC NJL5901R (TE1)
Q001	8-729-929-27 s	TRANSISTOR DTC114TE-TL

SE-1114 BOARD

Ref. No. or Q'ty	Part No.	SP Description
Q002	8-729-929-27 s	TRANSISTOR DTC114TE-TL
R002	1-250-481-11 s	RES, METAL FILM CHIP 270(1005)
R003	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)
R004	1-250-481-11 s	RES, METAL FILM CHIP 270(1005)
R005	1-250-519-11 s	RES, METAL FILM CHIP 10K(1005)

SW-1569 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-441-A s	MOUNTED CIRCUIT BOARD, SW-1569
C1000	1-114-582-91 s	CAP, CERAMIC 0.1MF B 1005
CN1000	1-817-054-21 s	PIN, CONNECTOR 6P
D1000	8-719-820-42 s	DIODE 1SS302-TE85L
D1001	8-719-820-42 s	DIODE 1SS302-TE85L
D1002	8-719-820-42 s	DIODE 1SS302-TE85L
EN1000	1-467-973-31 s	ENCODER, ROTARY
R1000	1-218-957-81 s	RES, CHIP 2.2K
R1001	1-218-957-81 s	RES, CHIP 2.2K
R1002	1-218-957-81 s	RES, CHIP 2.2K

SW-1574 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1908-446-A s	MOUNTED CIRCUIT BOARD, SW-1574
CN100	1-794-376-21 s	PIN, CONNECTOR 4P
D100	6-502-196-01 s	DI SML-D12Y8WT86SP
S100	1-798-311-11 s	SWITCH, TACTILE
VDR100	1-805-774-21 s	VARISTOR, CHIP

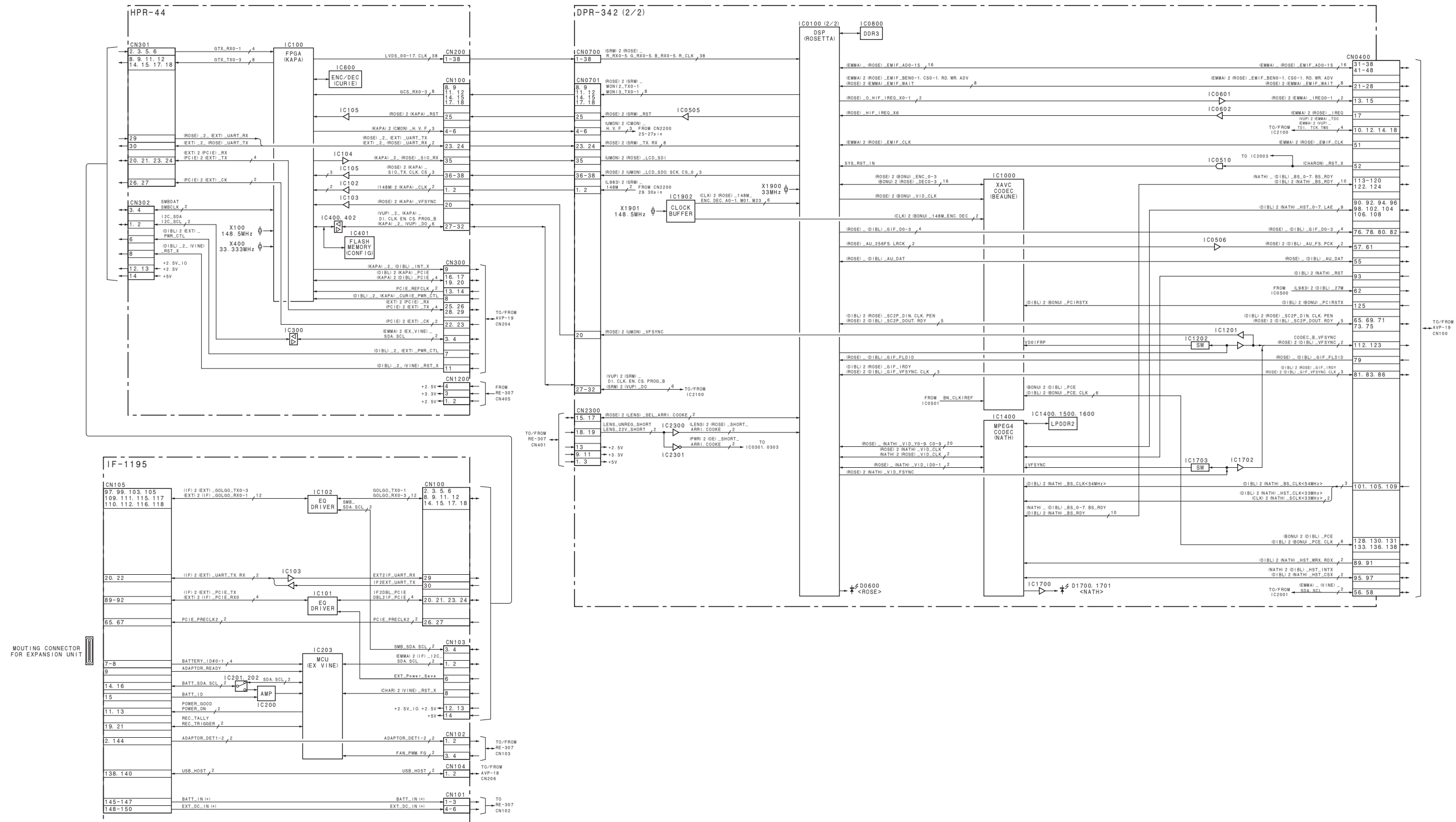
6-4. Supplied Accessories

Q'ty	Part No.	SP Description
1pc	△ 4-459-610-01 s	CD-ROM (INSTRUCTION MANUAL)
1pc	7-621-773-95 s	SCREW +B 2.6X6

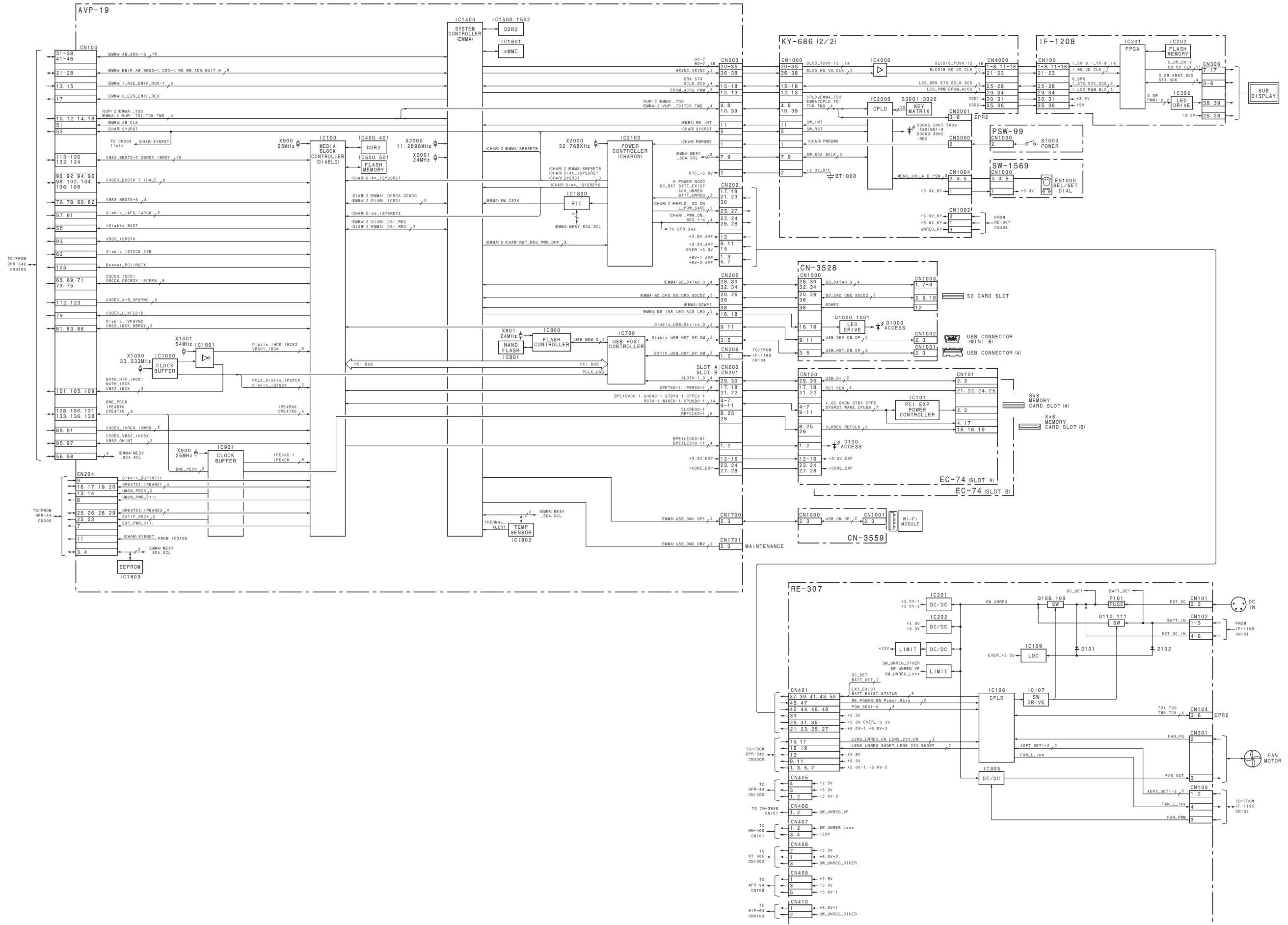
Overall
Overall (1/3)



Overall (2/3)



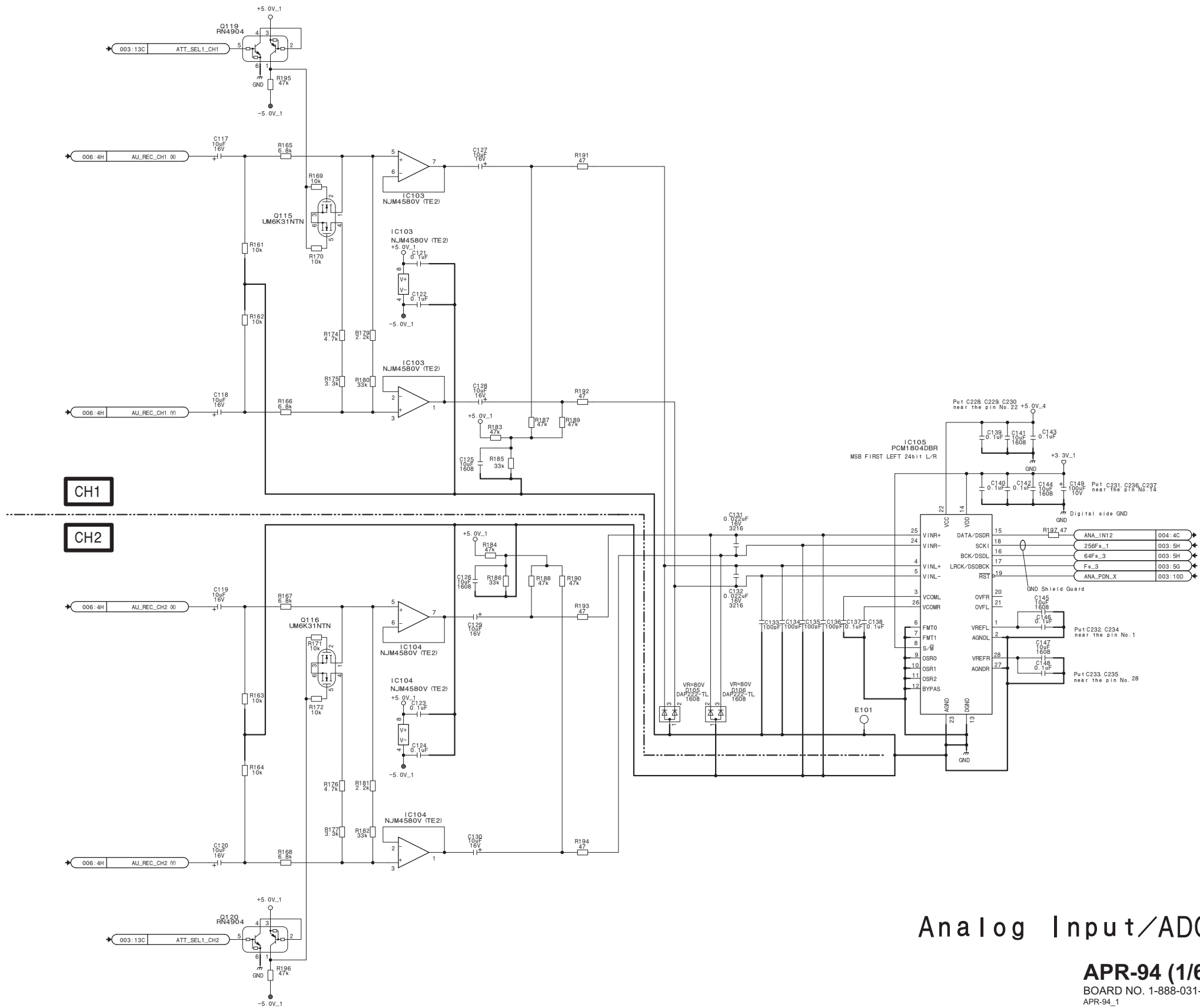
Overall (3/3)



Section 8

Schematic Diagrams

APR-94
APR-94 (1/6)



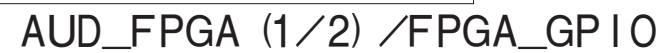


(Audio FPGA)

Config CLK PO PI I2C

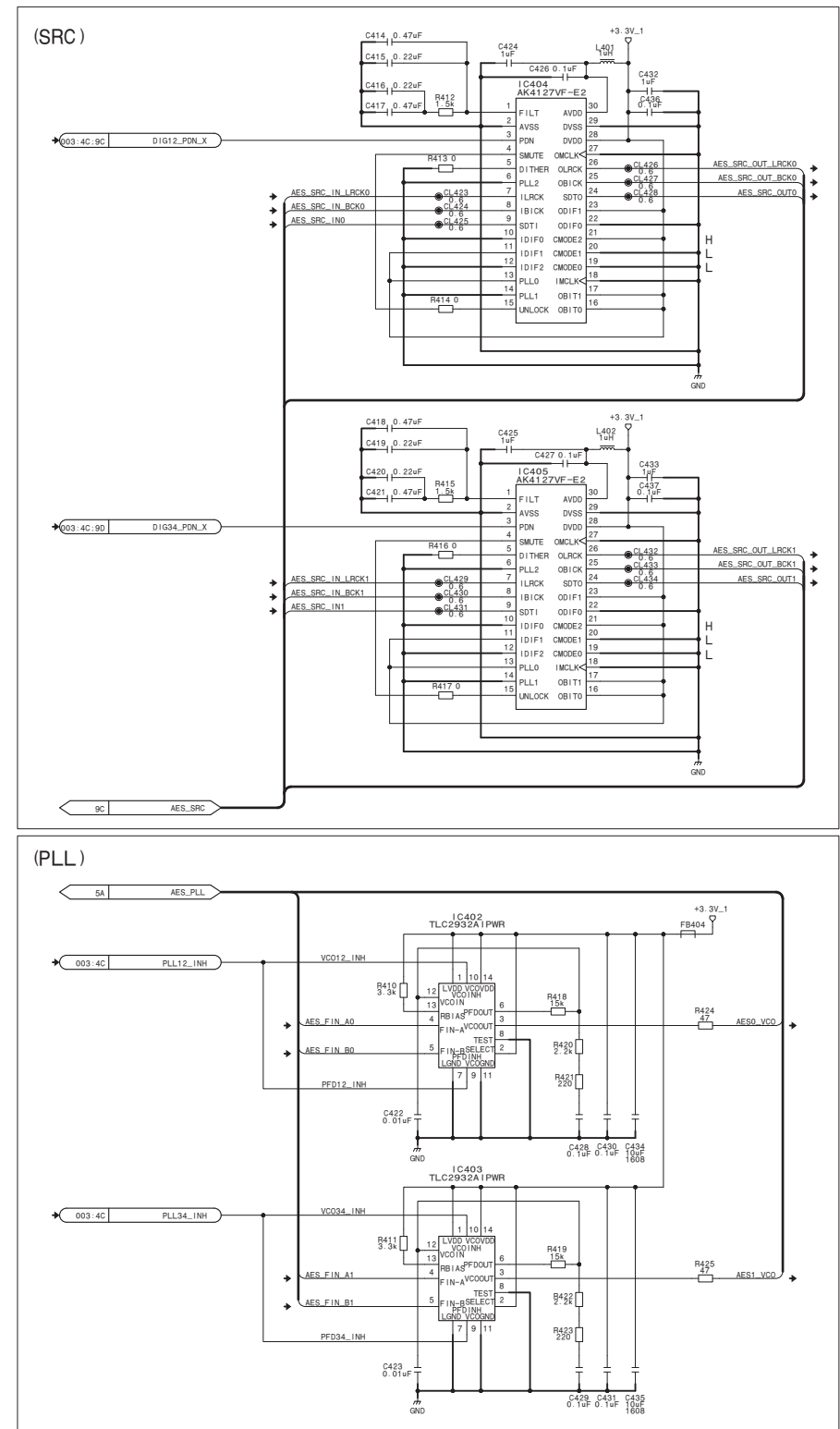
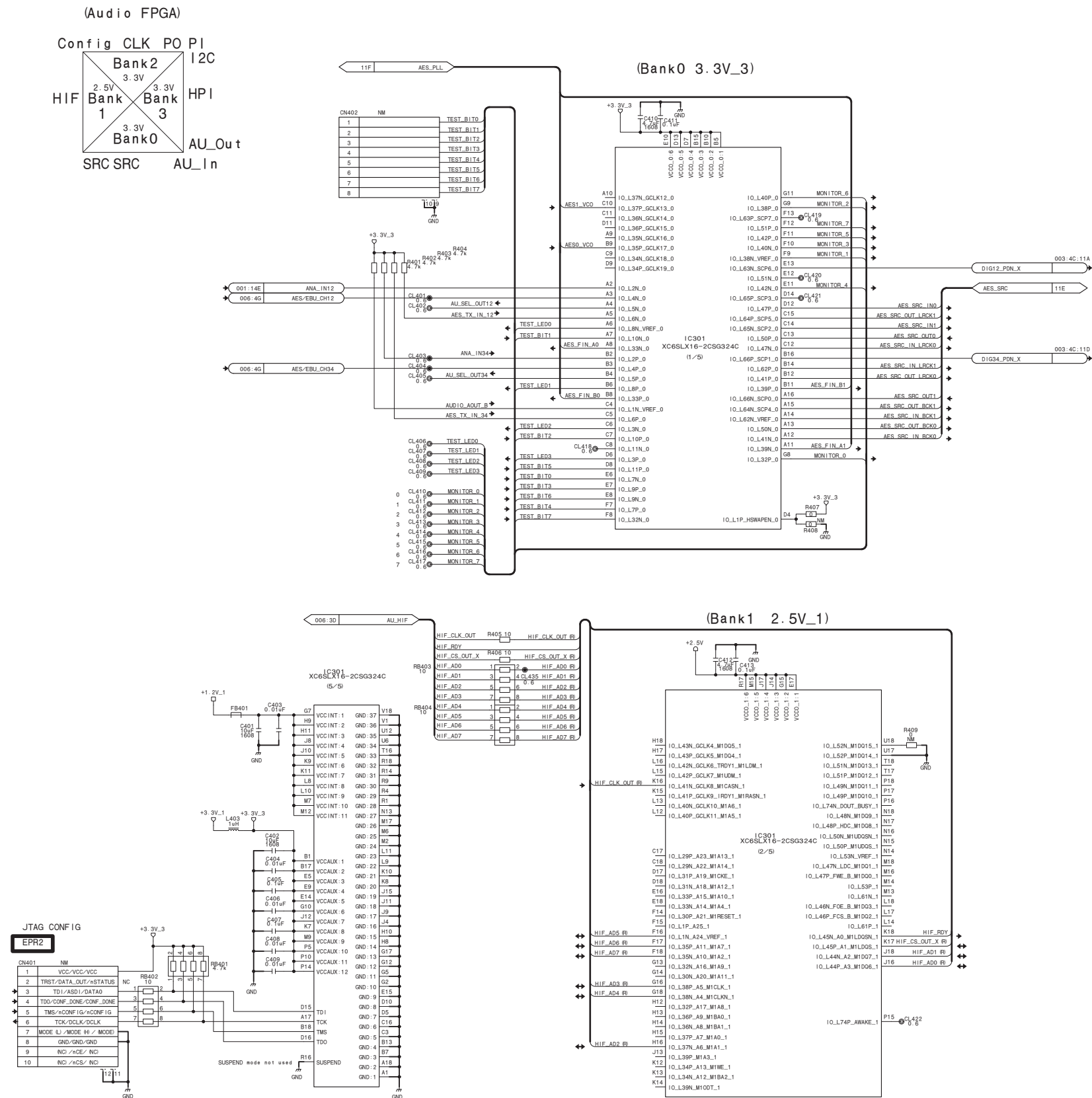
HIF Bank 1 Bank 2 Bank 3 Bank 0 AU_Out AU_In

2.5V 3.3V 3.3V 3.3V



8-3

APR-94 (4/6)

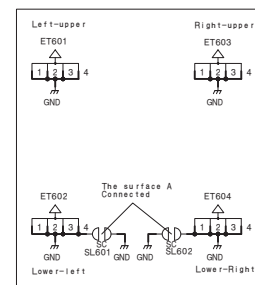
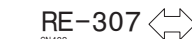
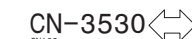


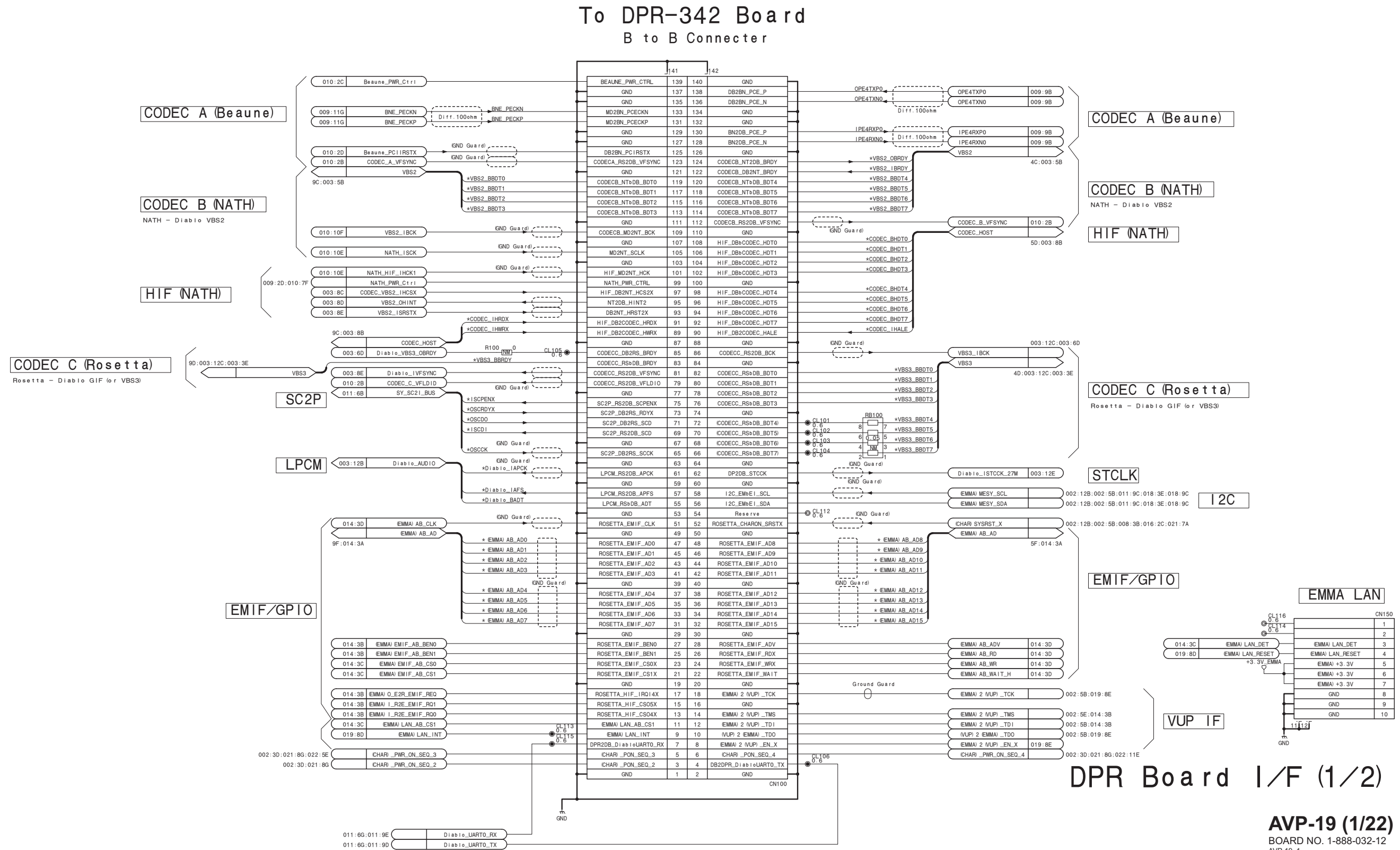
AUD_FPGA (2/2) /SRC/PLL

APR-94 (4/6)
BOARD NO. 1-888-031-11
APR-94_4



BOARD NO. 1-888-031-11
APR-94_5

DPR-342 



[illegible]

		CN204	
		GND	1
(CROSS)	001:9E:5B:011:9C:018:3E:018:9C	NC	2
	EMMA1 MESY_SDA	EMMA1 2 EX_V(IN)_SDA	3
	EMMA1 MESY_SCL	EMMA1 2 EX_V(IN)_SCL	4
(CROSS)	001:9E:5B:011:9C:018:3E:018:9C	GND	5
		GND	6
	010:2D EXT_PWR_CTRL1	EXT_PWR_CTRL	7
	010:2D UMON_PWR_CTRL1	UMON_PWR_CTRL	8
	010:2C Diab1c_BGPINT11	DBL_BGPINT11	9
001:9F:5B:008:3B:016:2C:021:7A	Ground Guard	NC	10
	ICHARI SYSRST_X	ICHARI SYSRST_X	11
		GND	12
	009:11G UMON_PECKP	UMON_PECKP	13
	009:11G UMON_PECKN	UMON_PECKN	14
		GND	15
	009:9B IPE4RXP1	UMN2DBL_PCEP	16
	009:9B IPE4RXN1	UMN2DBL_PCEN	17
		GND	18
	009:9B OPE4TXP1	DBL2UMN_PCEP	19
	009:9B OPE4TXN1	DBL3UMN_PCEN	20
		GND	21
	009:11G EXTIF_PECKP	EXTIF_PECKP	22
	009:11G EXTIF_PECKN	EXTIF_PECKN	23
		GND	24
	009:9C IPE4RXP2	EXT2DBL_PCEP	25
	009:9C IPE4RXN2	EXT2DBL_PCEN	26
		GND	27
	009:9C OPE4TXP2	DBL2EXT_PCEP	28
	009:9C OPE4TXN2	DBL2EXT_PCEN	29
		GND	30
		GND	31
		GND	32
		GND	33
		GND	34
		GND	35
		GND	36
		GND	37
		GND	38
		GND	39
		GND	40

Pin-to-pin connection diagram for the SLOTO module. The diagram shows two columns of pins. The left column lists pins with their functions (e.g., 009: 6C BPE1LED00, 009: 6B OPETXP0). The right column lists pins with their functions (e.g., LED0, LED1, GND, DC, SHDN, STBY, CPPE0, CLKREQ0, SYSRST, WAKE, CPUSB, +3.3V_EXP, PETn0, PERn0, +CORE_EXP, REFCLK+, REFCLK-, +CORE_EXP, +CORE_EXP, USB_D+, USB_D-). Connections are shown as lines between the two columns. Some connections are labeled with 'Diff. 100ohm' or '+CORE_EXP'. A ground symbol is at the bottom center.

Left Pin	Left Function	Right Pin	Right Function
009: 6C	BPE1LED00	1	LED0
009: 6C	BPE1LED01	2	LED1
		3	GND
009: 6C	BPE1OVCC0	4	DC
009: 6C	BPE1SHDN0	5	SHDN
009: 6C	BPE1STBY0	6	STBY
009: 6C	BPE1CPPE0	7	CPPE0
009: 7F	CLKREQ0X	8	CLKREQ0
009: 6C	BPERST0X	9	SYSRST
009: 6C	BPE1WAKE0X	10	WAKE
009: 6D	BPE1CPUSB0	11	CPUSB
		12	+3.3V_EXP
		13	+3.3V_EXP
		14	+3.3V_EXP
		15	+3.3V_EXP
		16	+3.3V_EXP
009: 6B	OPETXP0	17	PETn0
009: 6B	OPETXN0	18	PETn0
		19	+3.3V_EXP
		20	+3.3V_EXP
009: 2B	IPERXP0	21	PERn0
009: 2B	IPERNX0	22	PERn0
		23	+CORE_EXP
		24	+CORE_EXP
009: 6F	REFCLKP0	25	REFCLK+
009: 6F	REFCLKN0	26	REFCLK-
		27	+CORE_EXP
		28	+CORE_EXP
007: 9C	SLOTO_D+	29	USB_D+
007: 9C	SLOTO_D-	30	USB_D-

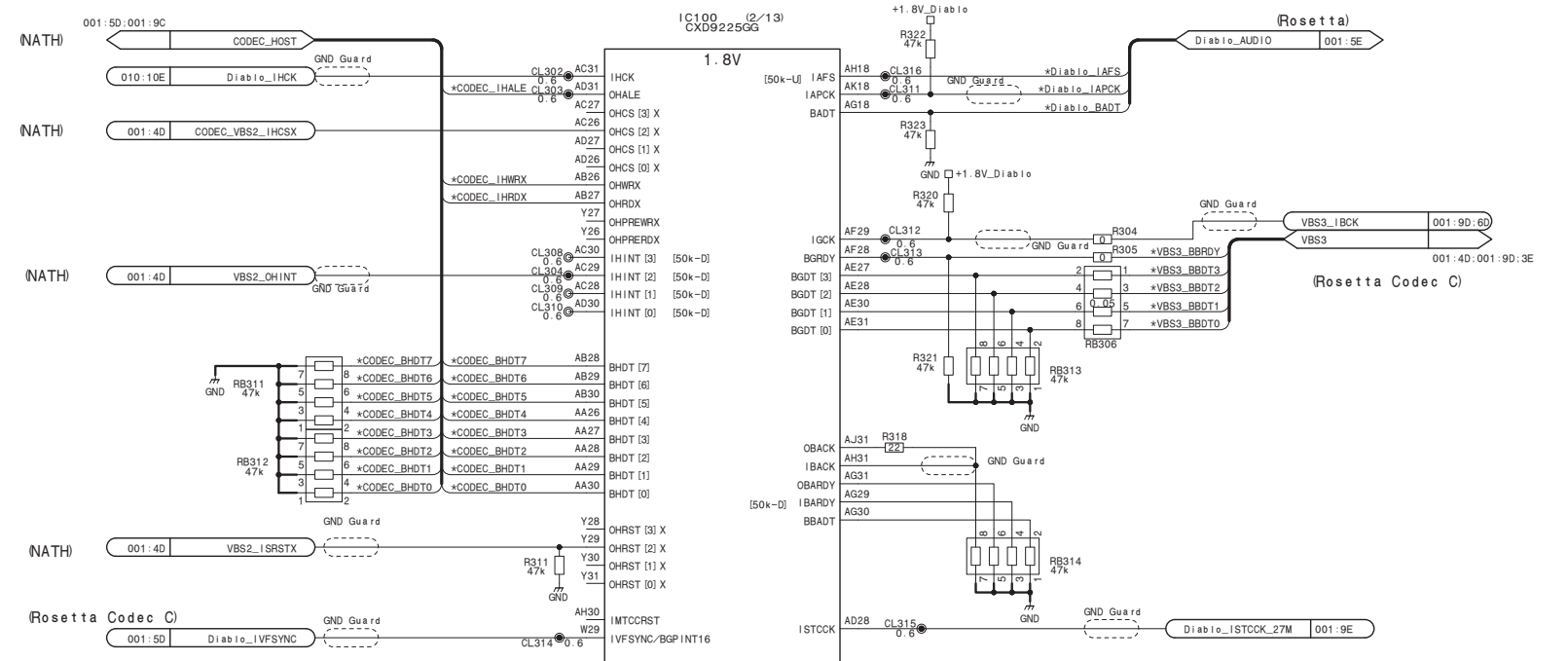
Pin connection diagram for the 32-bit parallel bus between the 68000 and the 68000. The diagram shows the 68000 on the left and the 68000 on the right. The 68000 pins are: 009:6D (BPE1LED10), 009:6D (BPE1LED11), 009:6D (BPE10VC1), 009:6D (BPE1SHDN1), 009:6D (BPE1STBY1), 009:6D (BPE1CPPE1), 009:10F (CLKREQ0X1), 009:6C (BPERST1X), 009:6D (BPE1WAKE1X), 009:6D (BPE1CPUSB1), 009:6B (OPETXP1), 009:6B (OPETXN1), 009:2B (IPERXP1), 009:2B (IPERXN1), 009:11F (REFCLKP1), 009:11F (REFCLKN1), 007:9D (SLOT1_D+), 007:9D (SLOT1_D-). The 68000 pins are: LED0, LED1, GND, GC, SHDN, STBY, CPPE, CLKREG, SYSRST, WAKE, CPUSB, +3.3V_EXP, +3.3V_EXP, +3.3V_EXP, +3.3V_EXP, PETs0, PETs0, +3.3V_EXP, +3.3V_EXP, PERs0, PERs0, +CORE_EXP, +CORE_EXP, REFCLK+, REFCLK-, +CORE_EXP, +CORE_EXP, USB_D+, USB_D-. The diagram shows connections for +3.3V_EXP, +CORE_EXP, REFCLK+, REFCLK-, USB_D+, and USB_D-. It also shows differential pairs for OPETXP1/OPETXN1, IPERXP1/IPERXN1, REFCLKP1/REFCLKN1, and SLOT1_D+/SLOT1_D- with 100ohm and 90ohm terminations.

Diagram illustrating the connection for EXT IF USB. The components are connected to a USB connector (CN206) as follows:

Signal	Pin
EXT IF_USB_HST_DP	1
EXT IF_USB_HST_DM	2
GND_HST_SHEELD	3

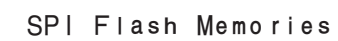
Note: The signal lines are connected with a differential impedance of 90ohm (Diff: 90ohm).

AVP-19 (2/22)
BOARD NO. 1-888-032-12
AVP-19_2

Diablo
(Codec host/LPCM)

AVP-19 (3/22)
BOARD NO. 1-888-032-12
AVP-19_3

Diablo SPI/USB

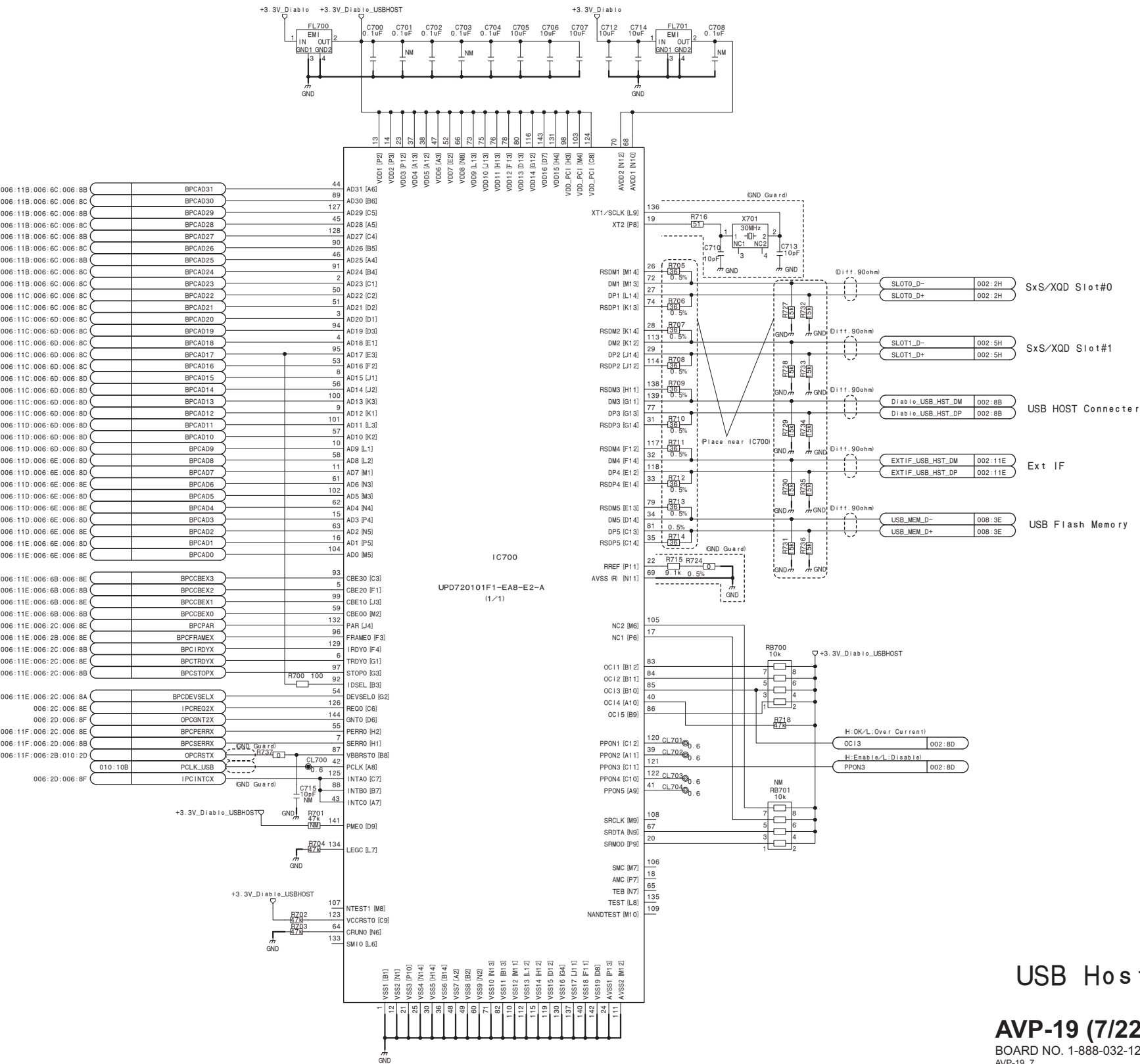


BOARD NO. 1-888-032-12
AVP-19_5

Diablo Ether IF for Debug



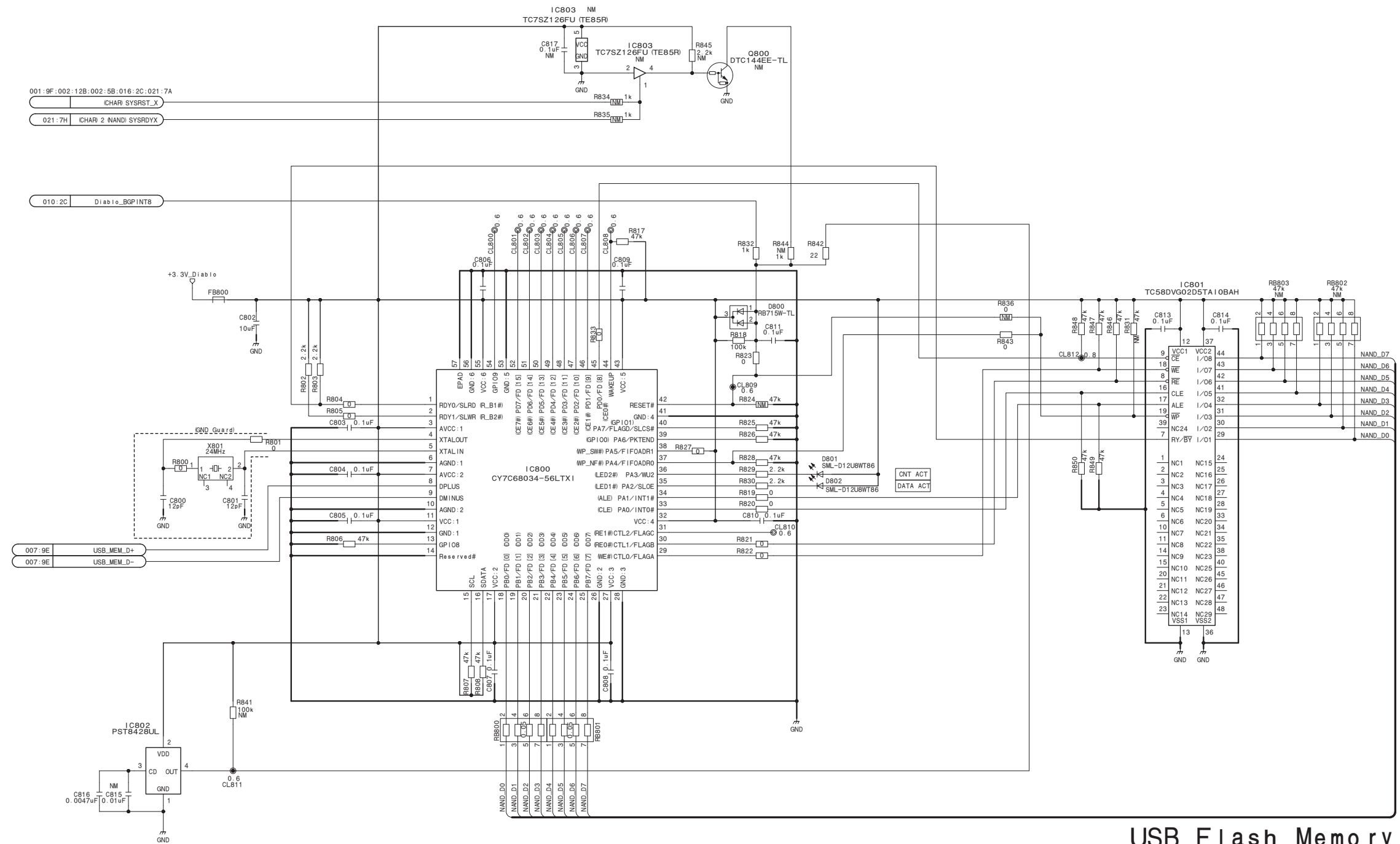
USB Host Controller



USB Host

AVP-19 (7/22)
BOARD NO. 1-888-032-12
AVP-19_7

AVP-19 (8/22)

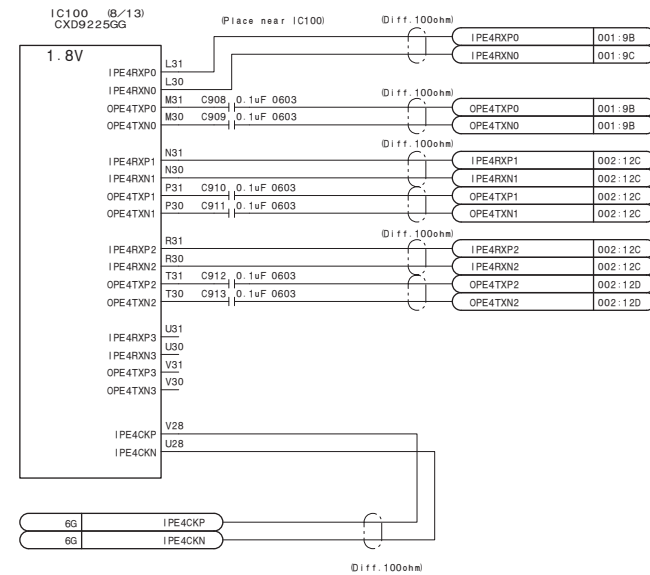


USB Flash Memory

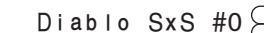
AVP-19 (8/22)

BOARD NO. 1-888-032-12
AVP-19_8

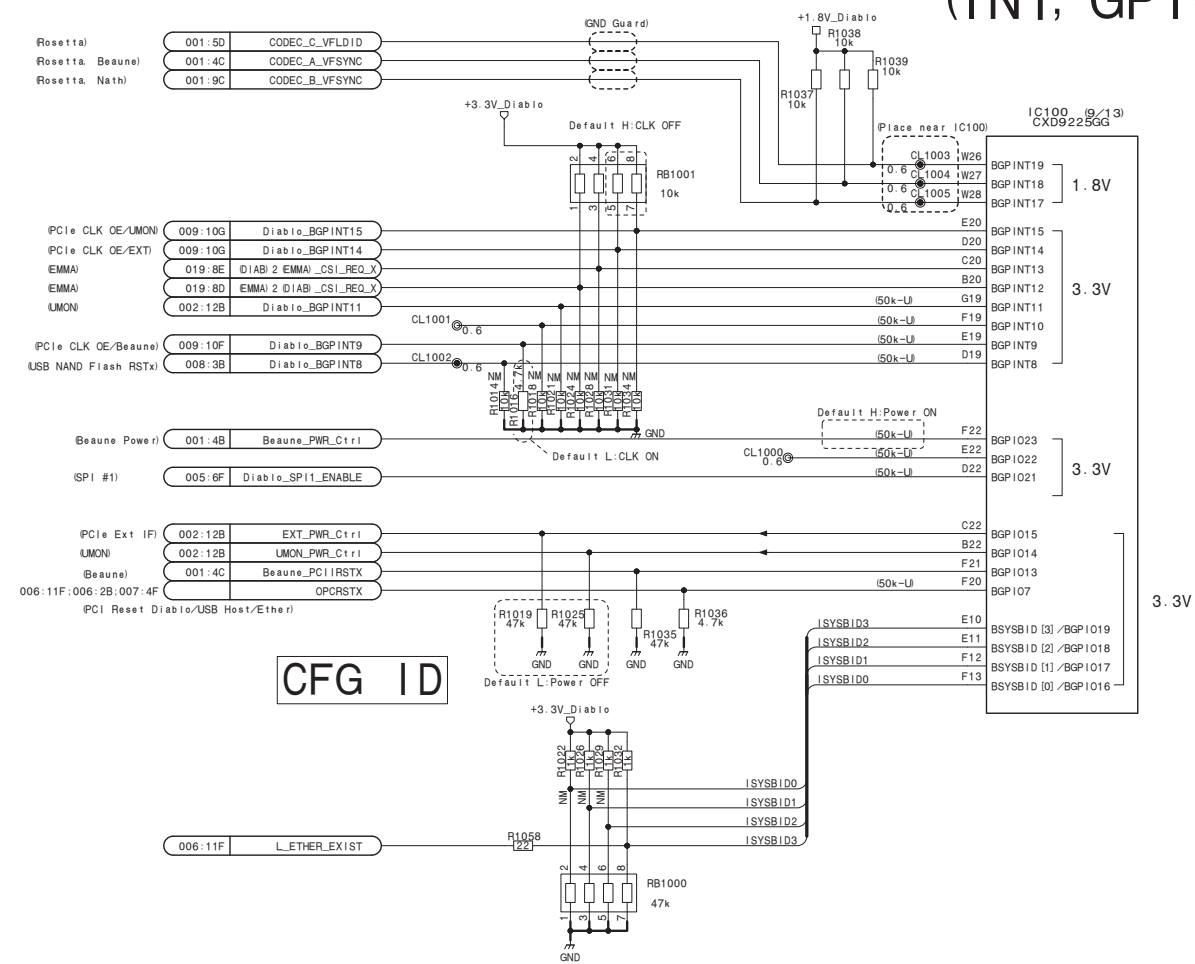
Diablo
(PCI Express x4)



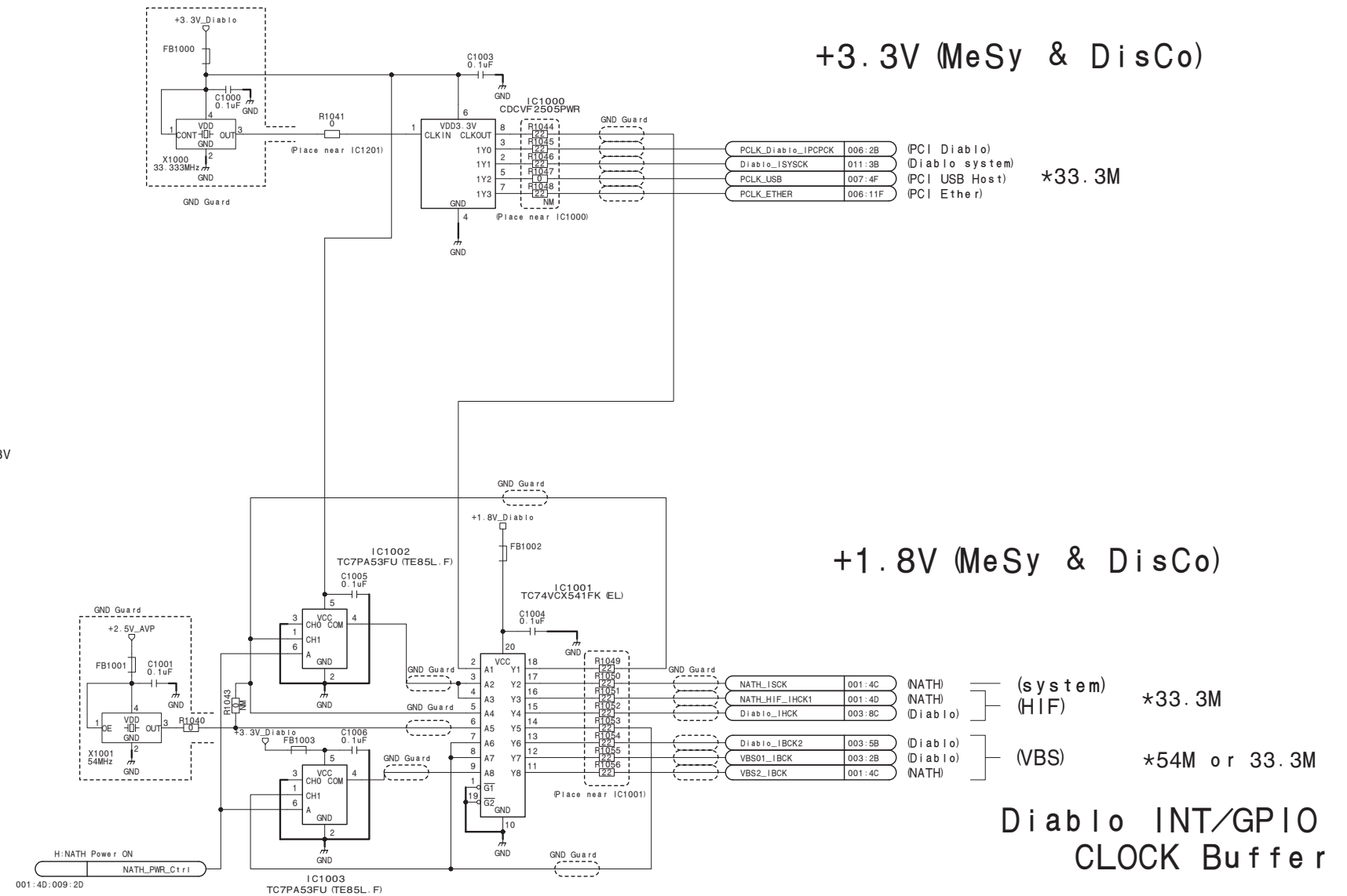
SxS Slot #0}



Diablo
(INT, GPIO)

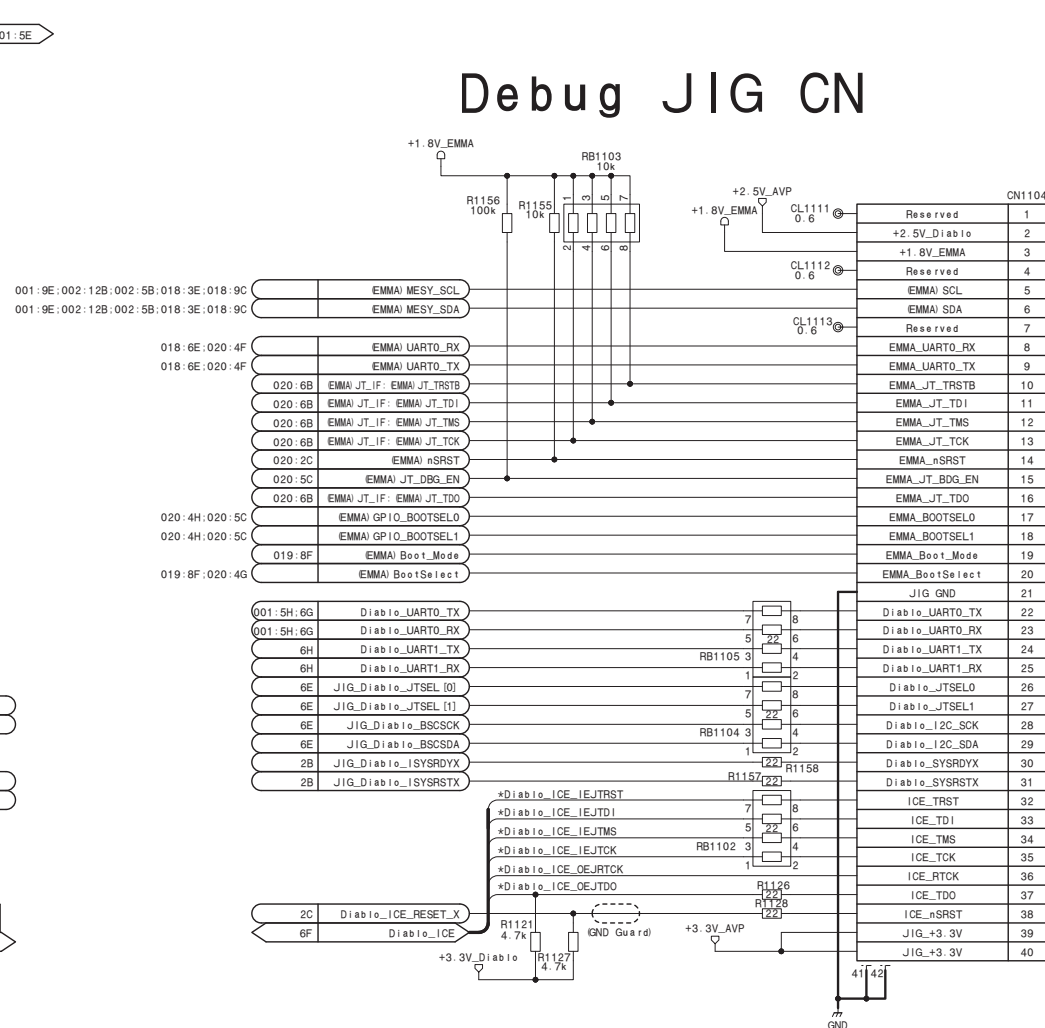


Clock Buffer

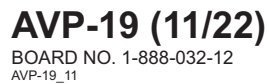


AVP-19 (10/22)
BOARD NO. 1-888-032-12
AVP-19_10

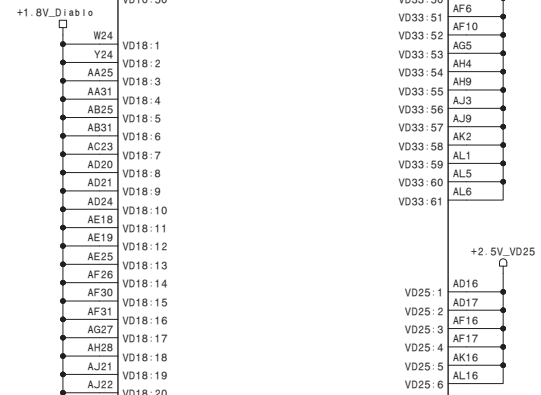
8-17



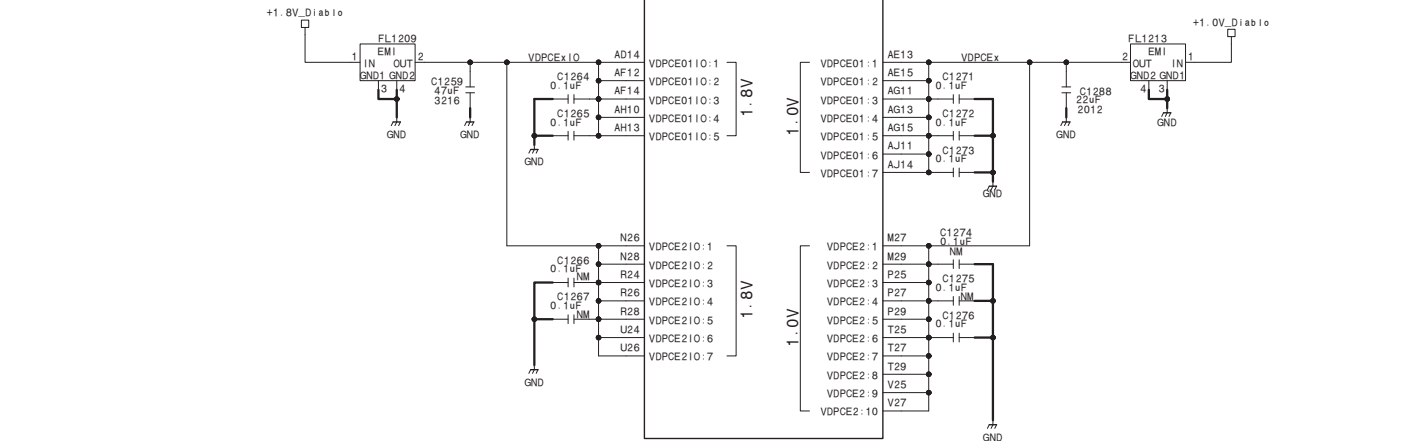
Diablo I2C/ICE/UART/SC2P
Debug JIG CN



VDD



VDD/VSS

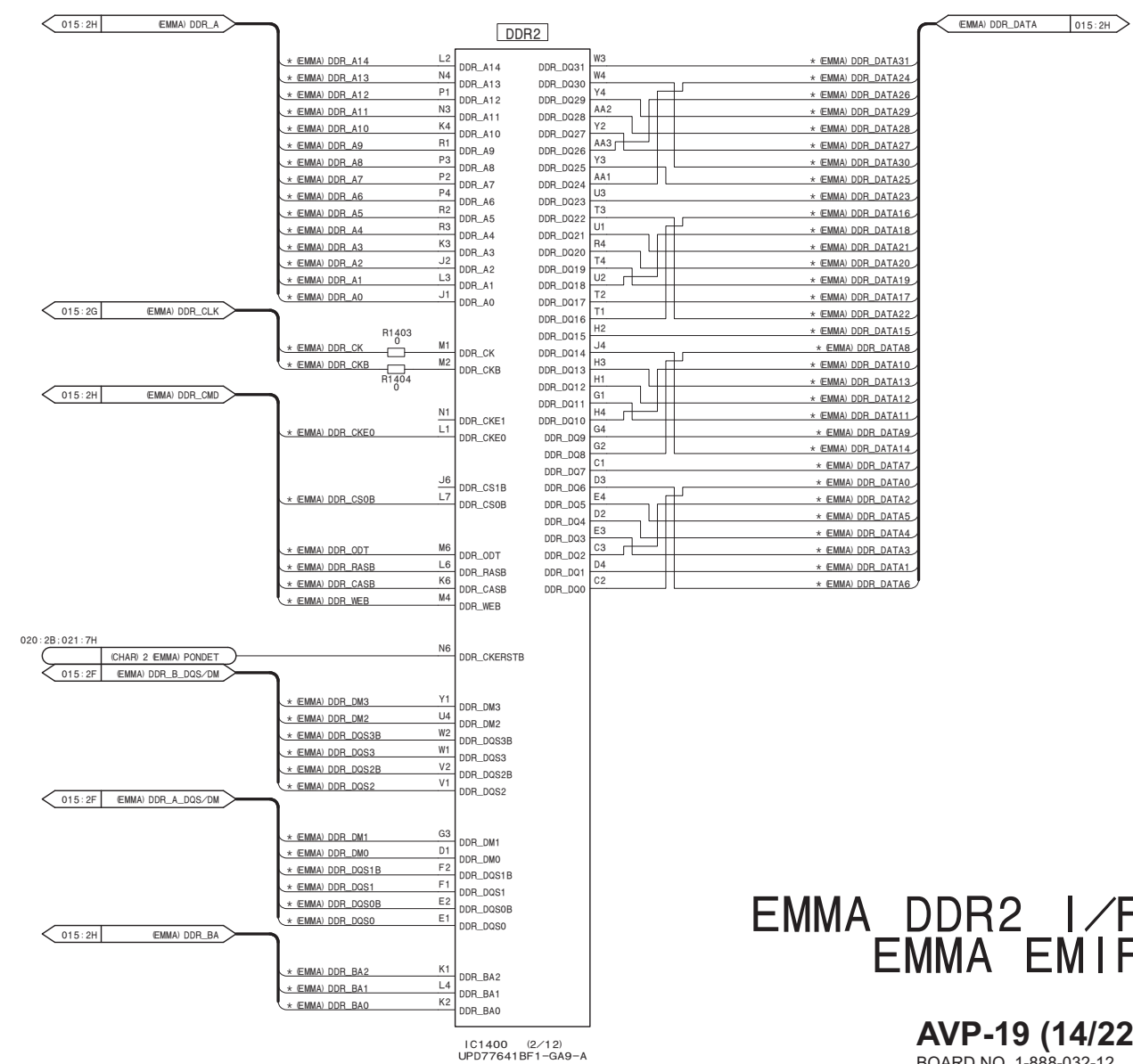
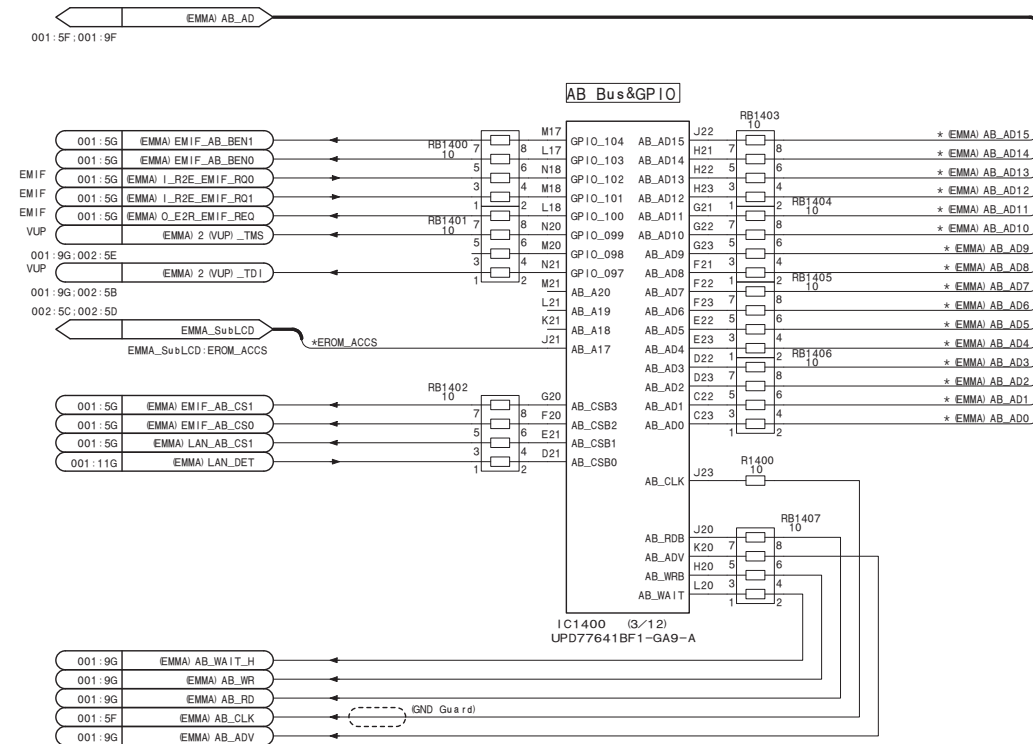


AVP-19 (12/22)
BOARD NO. 1-888-032-12
AVP-19_12

AVP-19 (13/22)



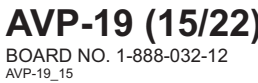
AVP-19 (14/22)



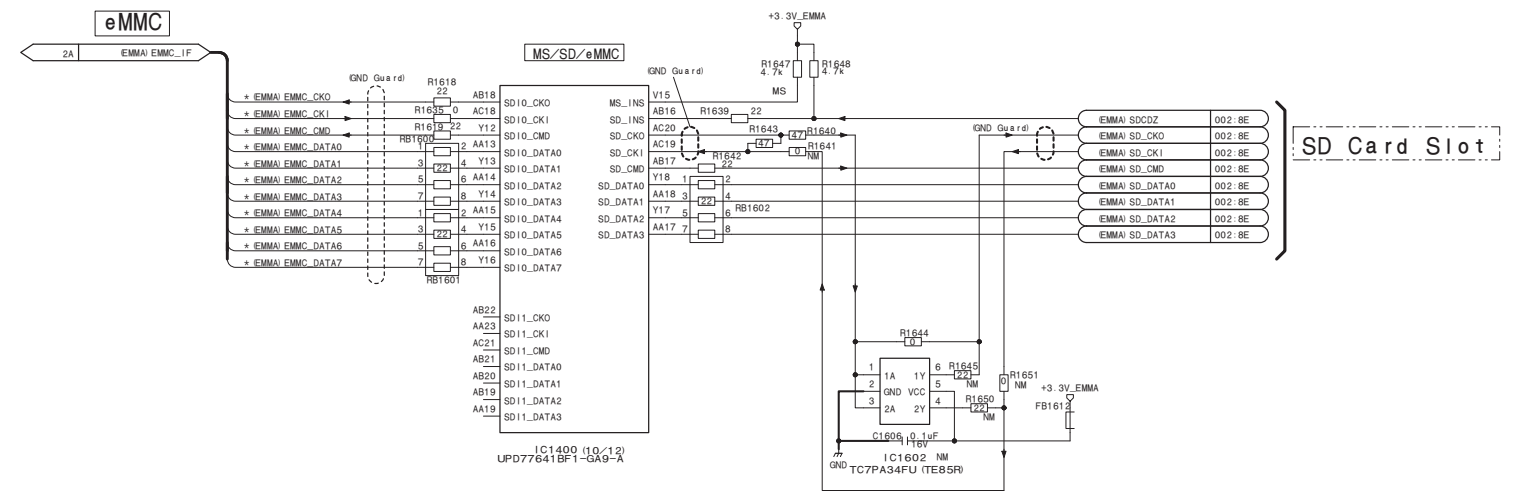
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EMMA DDR2 I/F
EMMA EMIF
```

AVP-19 (14/22)

BOARD NO. 1-888-032-12
AVP-19_14



001:9F;002:12B;002:5B;008:3B;021:7A

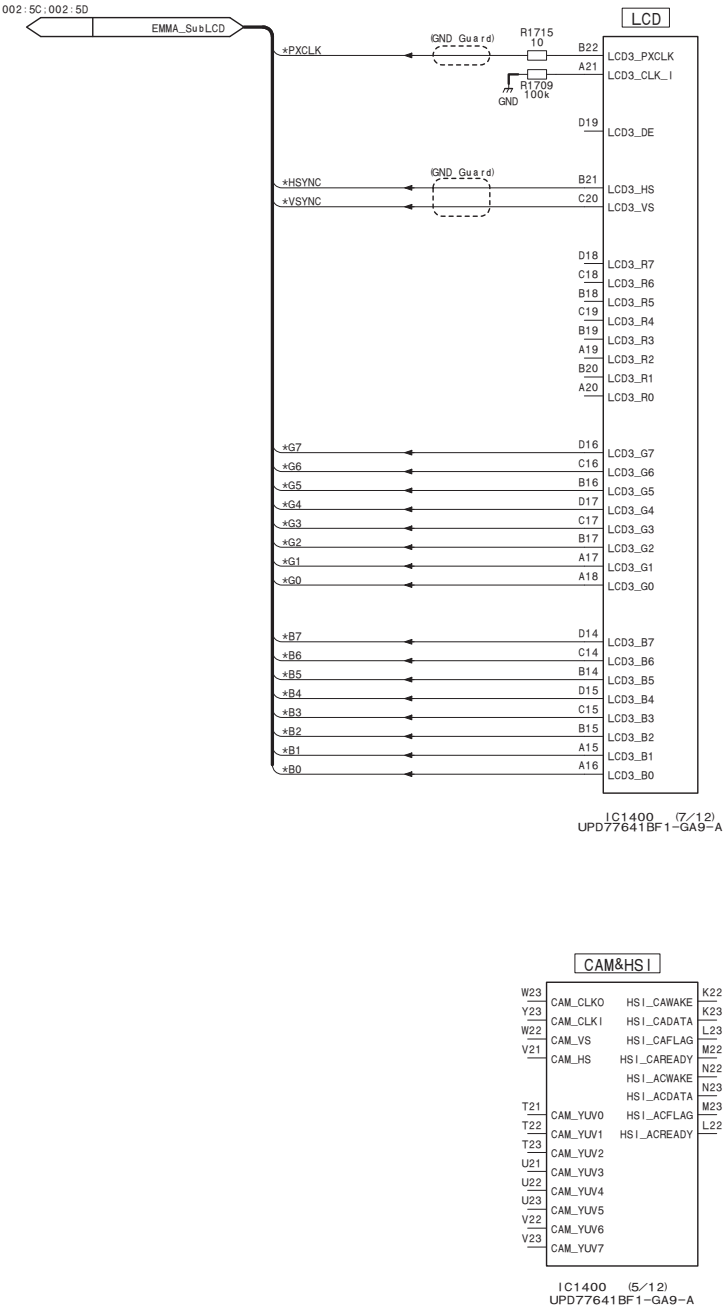
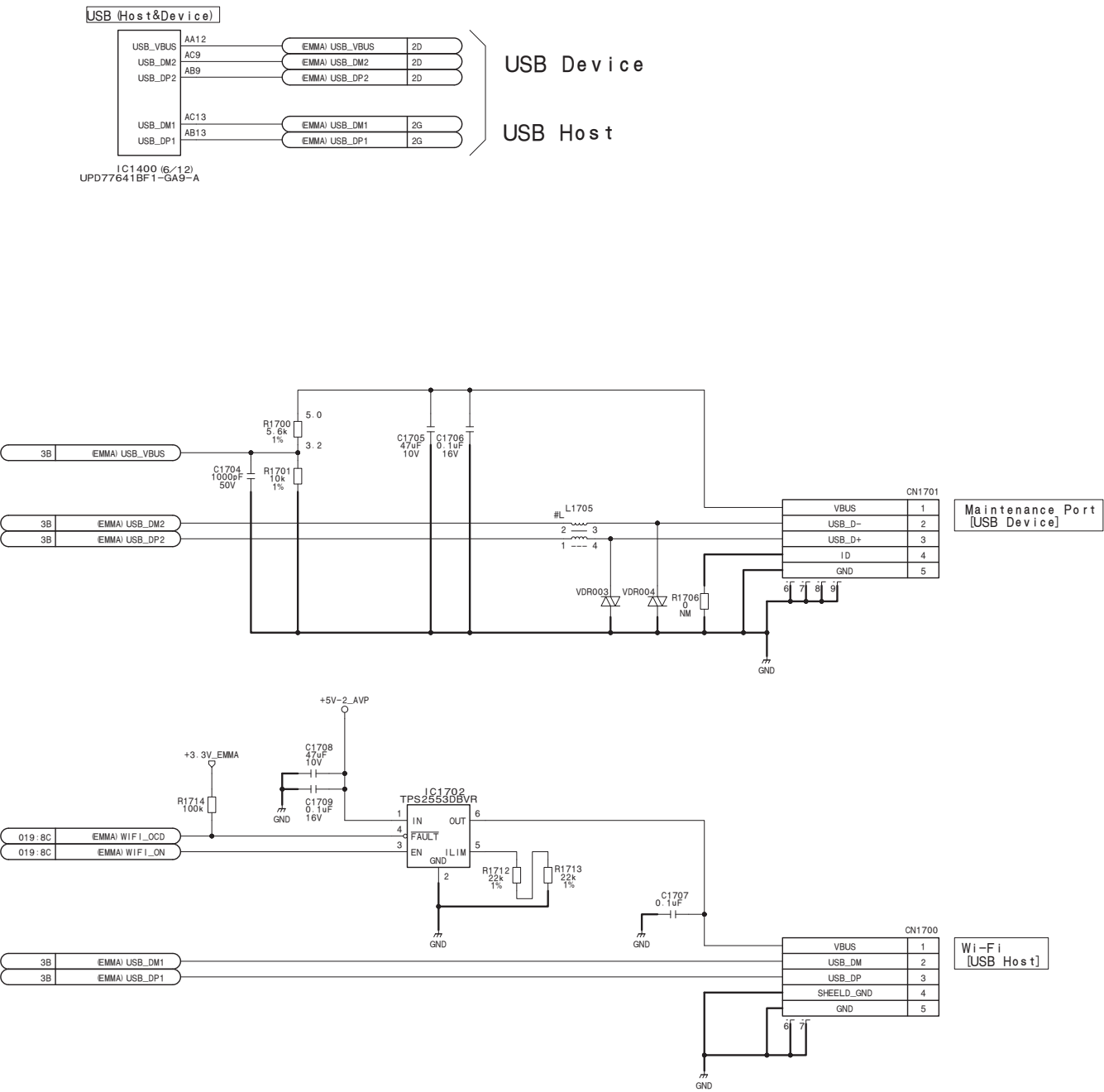


A1	NC-1	NC-63	J15
A2	NC-2	NC-64	J16
A8	NC-3	NC-65	K2
A10	NC-4	NC-66	K3
A11	NC-5	NC-67	K13
A12	NC-6	NC-68	K14
A13	NC-7	NC-69	K14
A14	NC-8	NC-70	L1
B1	NC-9	NC-71	L2
B7	NC-10	NC-72	L3
B8	NC-11	NC-73	L3
B9	NC-12	NC-74	L4
B10	NC-13	NC-75	L5
B11	NC-14	NC-76	L5
B12	NC-15	NC-77	M2
B13	NC-16	NC-78	M3
B14	NC-17	NC-79	M7
C1	NC-18	NC-80	M8
C2	NC-19	NC-81	M8
C8	NC-20	NC-82	M1
C7	NC-21	NC-83	M1
C9	NC-22	NC-84	M1
C10	NC-23	NC-85	M1
C11	NC-24	NC-86	M1
C12	NC-25	NC-87	N1
C13	NC-26	NC-88	N1
C14	NC-27	NC-89	N3
D1	NC-28	NC-90	N7
D2	NC-29	NC-91	N8
D3	NC-30	NC-92	N9
D4	NC-31	NC-93	N9
D12	NC-32	NC-94	N9
D13	NC-33	NC-95	N9
D14	NC-34	NC-96	N9
E1	NC-35	NC-97	P1
E2	NC-36	NC-98	N1
E3	NC-37	NC-99	P2
E12	NC-38	NC-100	P2
E13	NC-39	NC-101	P8
E14	NC-40	NC-102	P9
F1	NC-41	NC-103	P1
F2	NC-42	NC-104	P1
F3	NC-43	NC-105	P1
F12	NC-45	RFU-1	A7
F13	NC-46	RFU-2	A7
F14	NC-47	RFU-3	C5
G1	NC-48	RFU-4	C5
G2	NC-49	RFU-5	E8
G3	NC-50	RFU-6	E8
G13	NC-51	RFU-7	E8
H1	NC-52	RFU-8	E8
H2	NC-53	RFU-9	S3
H3	NC-54	RFU-10	S5
H4	NC-55	RFU-11	S5
H5	NC-56	RFU-12	S5
H6	NC-57	RFU-13	S5
H7	NC-58	RFU-14	S5
J1	NC-59	RFU-15	P7
J2	NC-60	RFU-16	P7
J12	NC-61	RFU-17	P7

EMMA MS/SD/eMMC
EMMA MS/SD CN
EMMA eMMC

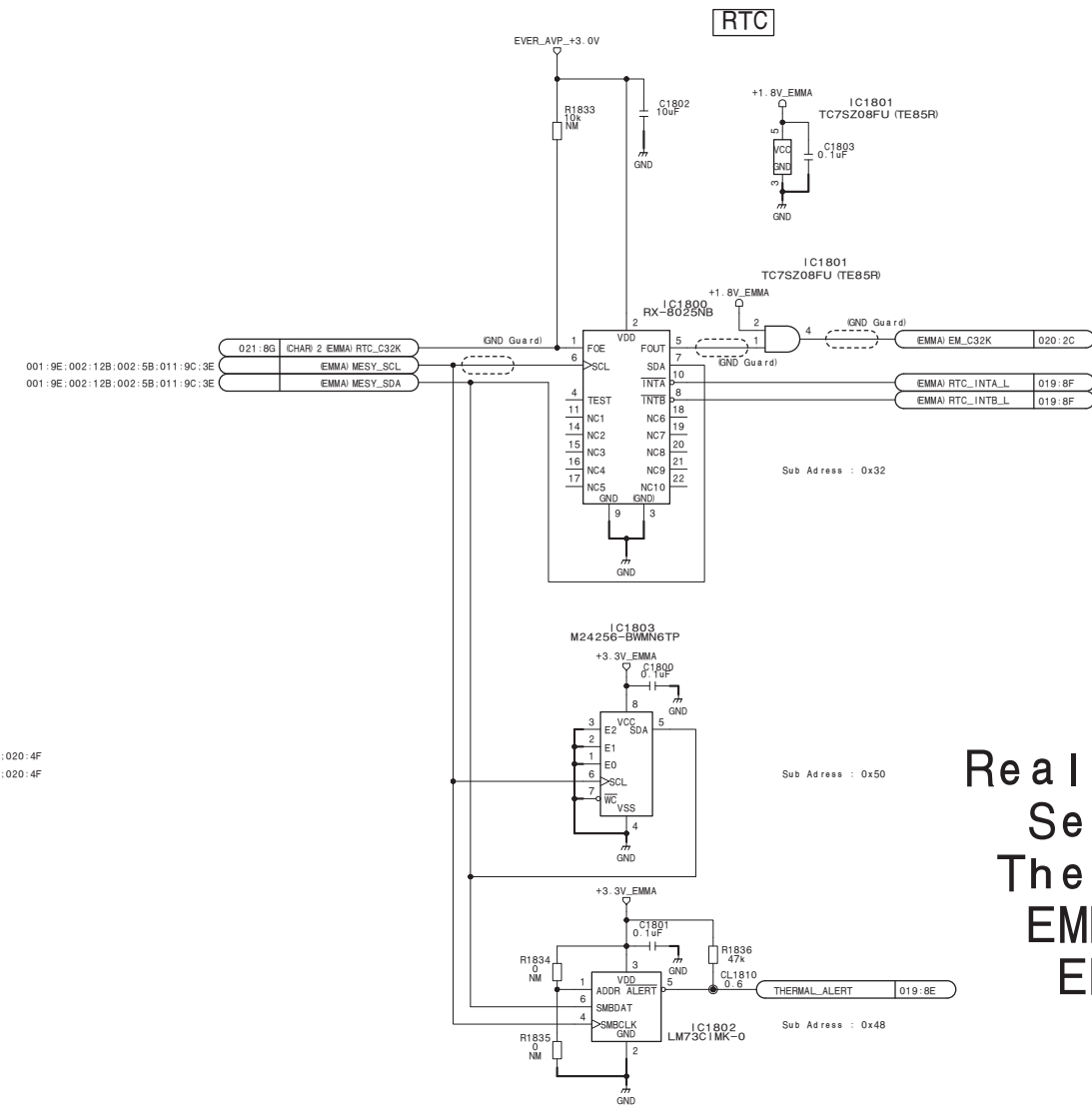
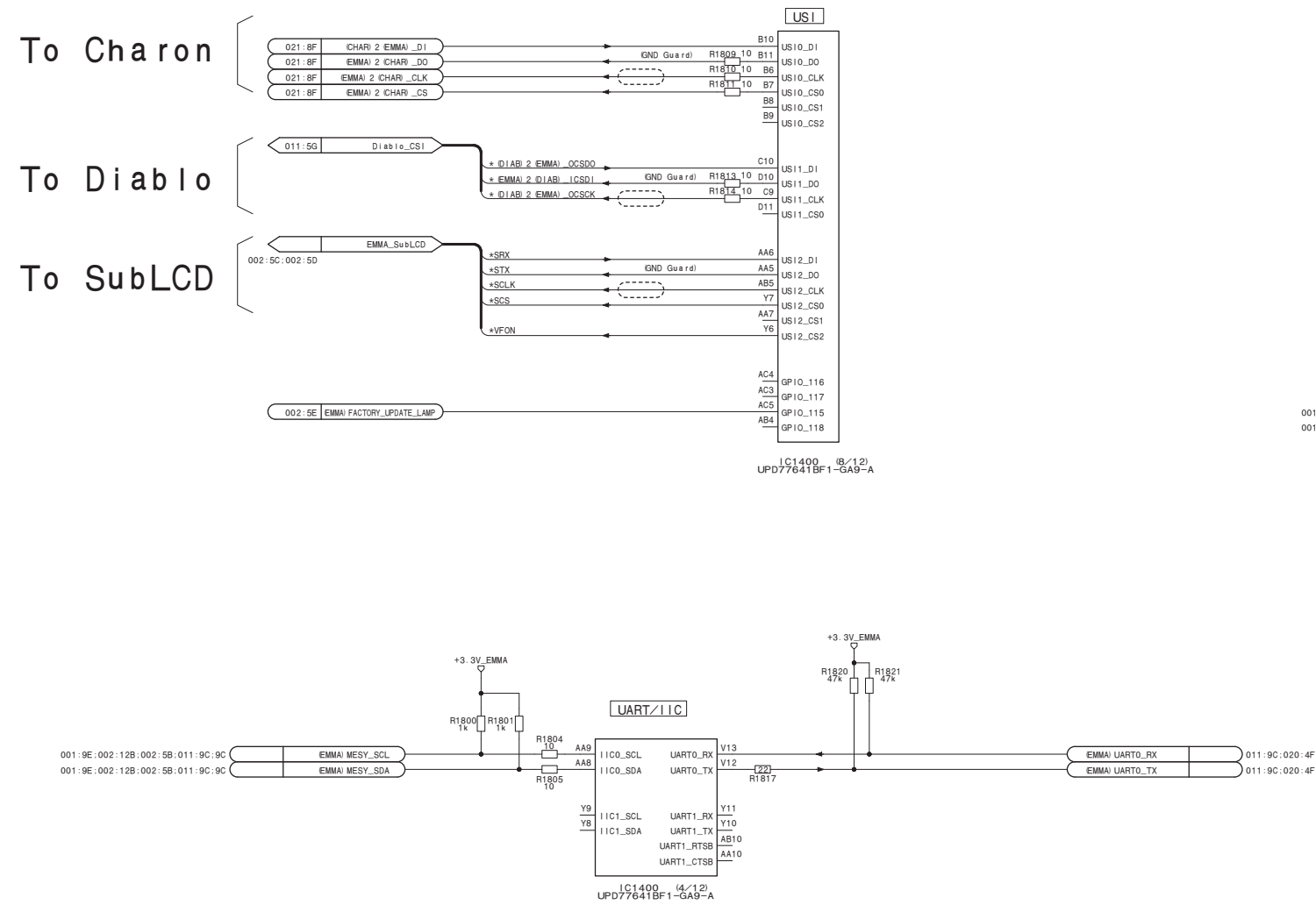
AVP-19 (16/22)
BOARD NO. 1-888-032-12
AVP-19_16

AVP-19 (17/22)



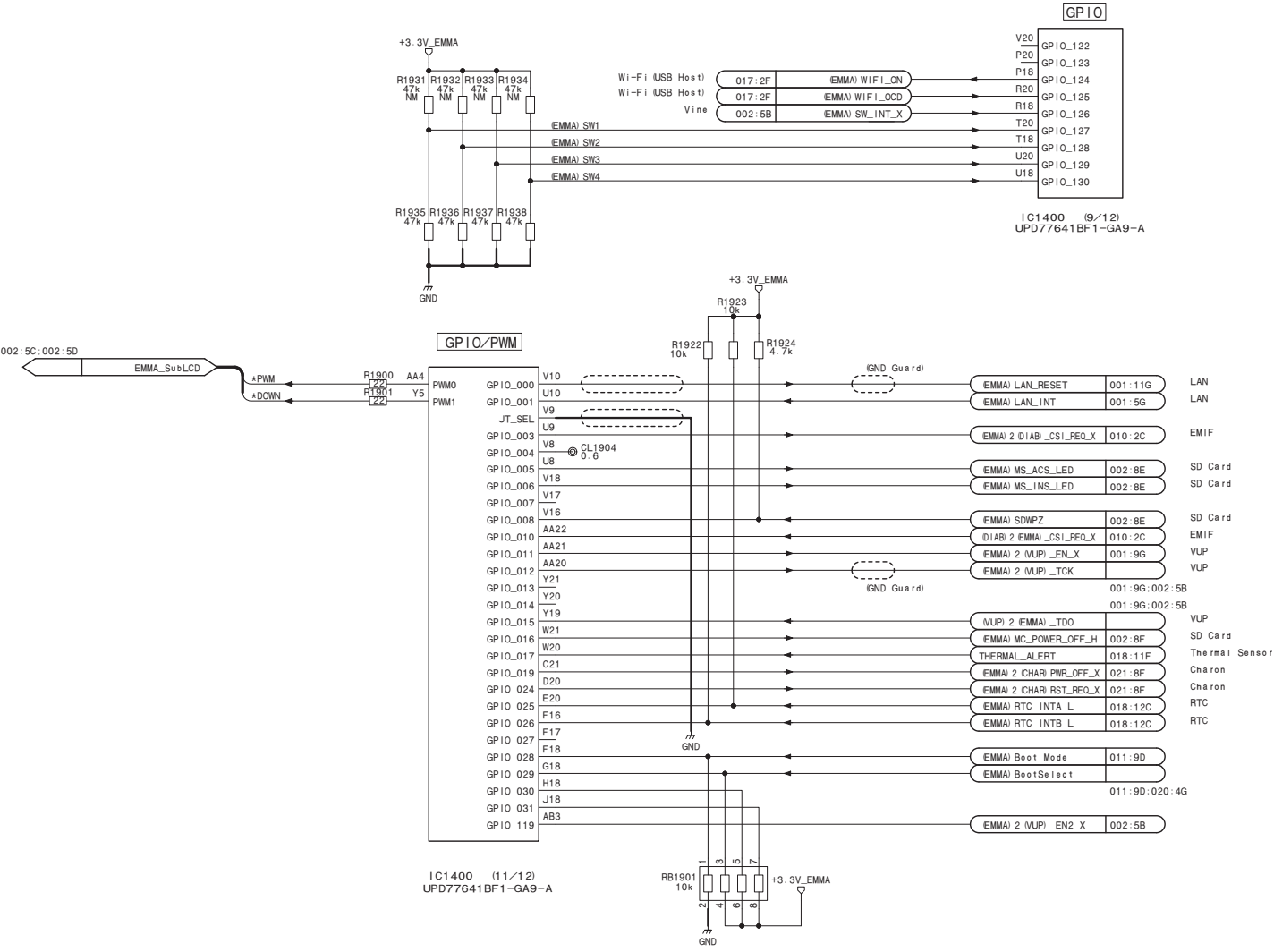
CAM/LCD I/F
EMMA USB I/F

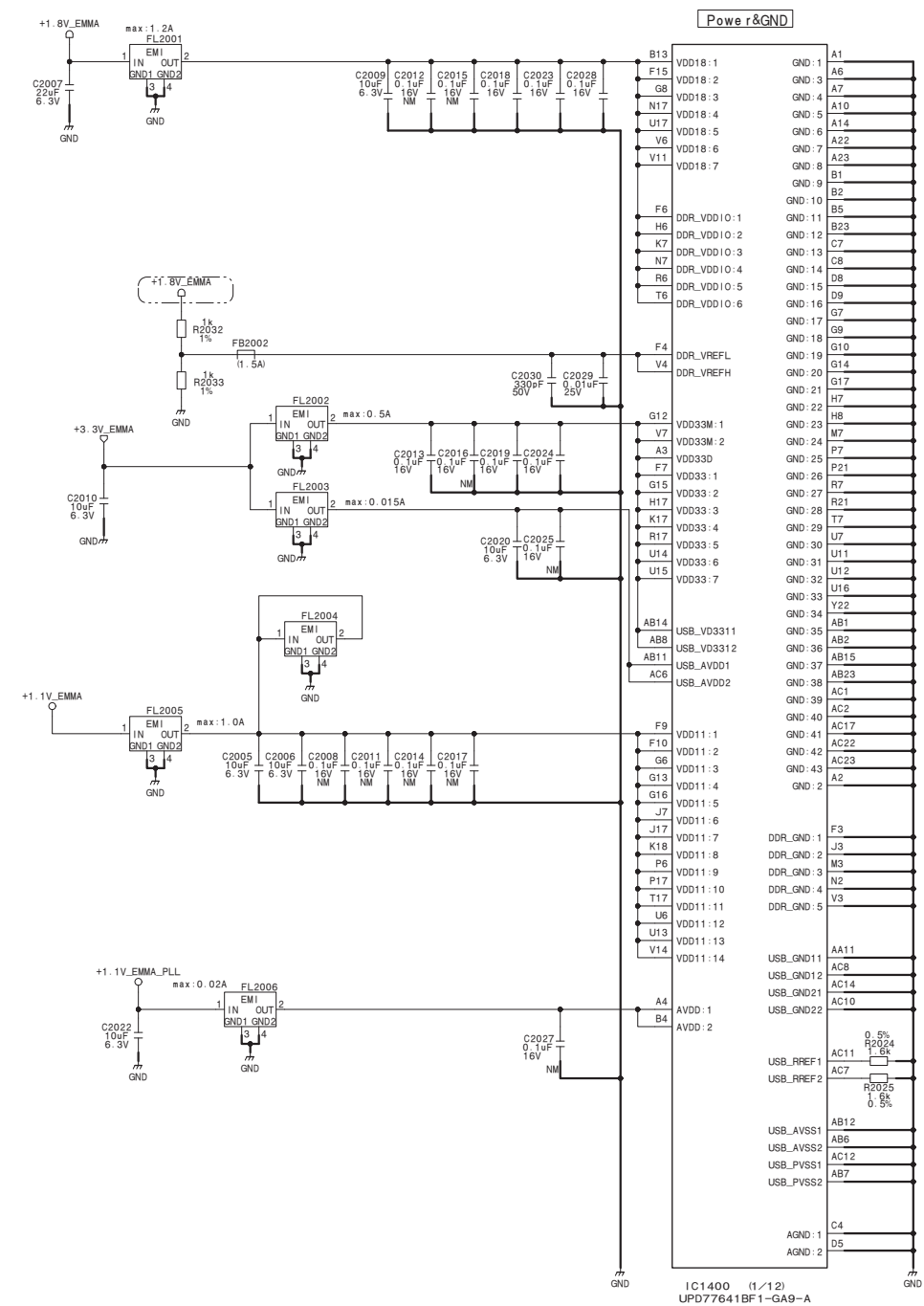
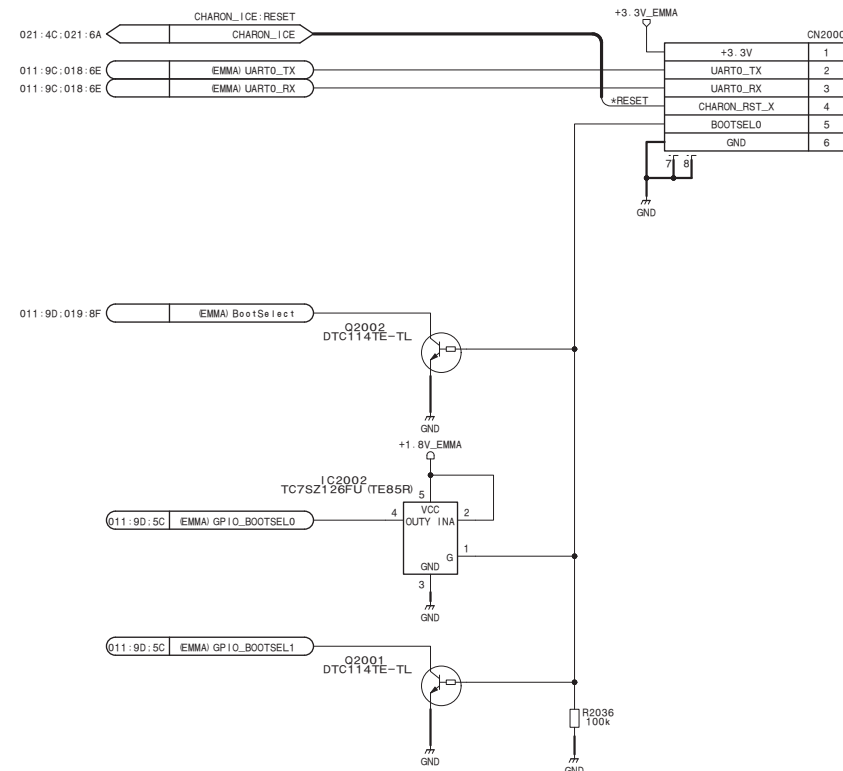
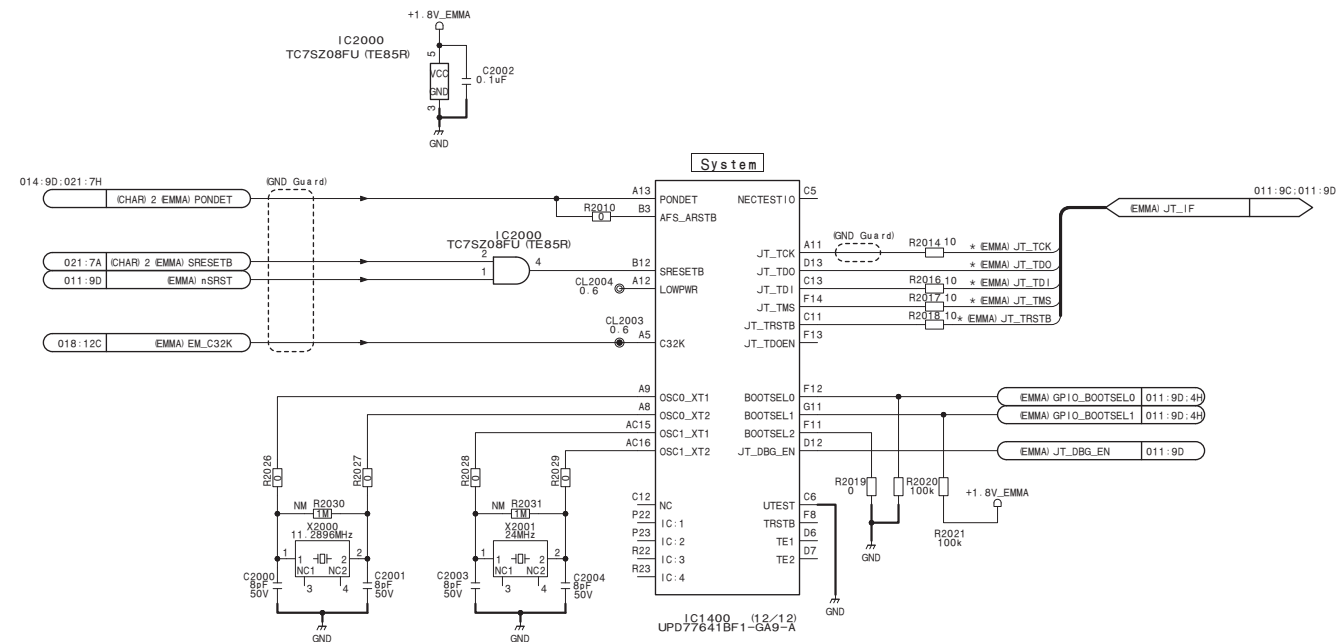
AVP-19 (17/22)
BOARD NO. 1-888-032-12
AVP-19_17

AVP-19 (18/22)

Real Time Clock
Serial E2PROM
Thermal Sensor
EMMA I2C/UART
EMMA USI/etc

AVP-19 (18/22)
BOARD NO. 1-888-032-12
AVP-19_18



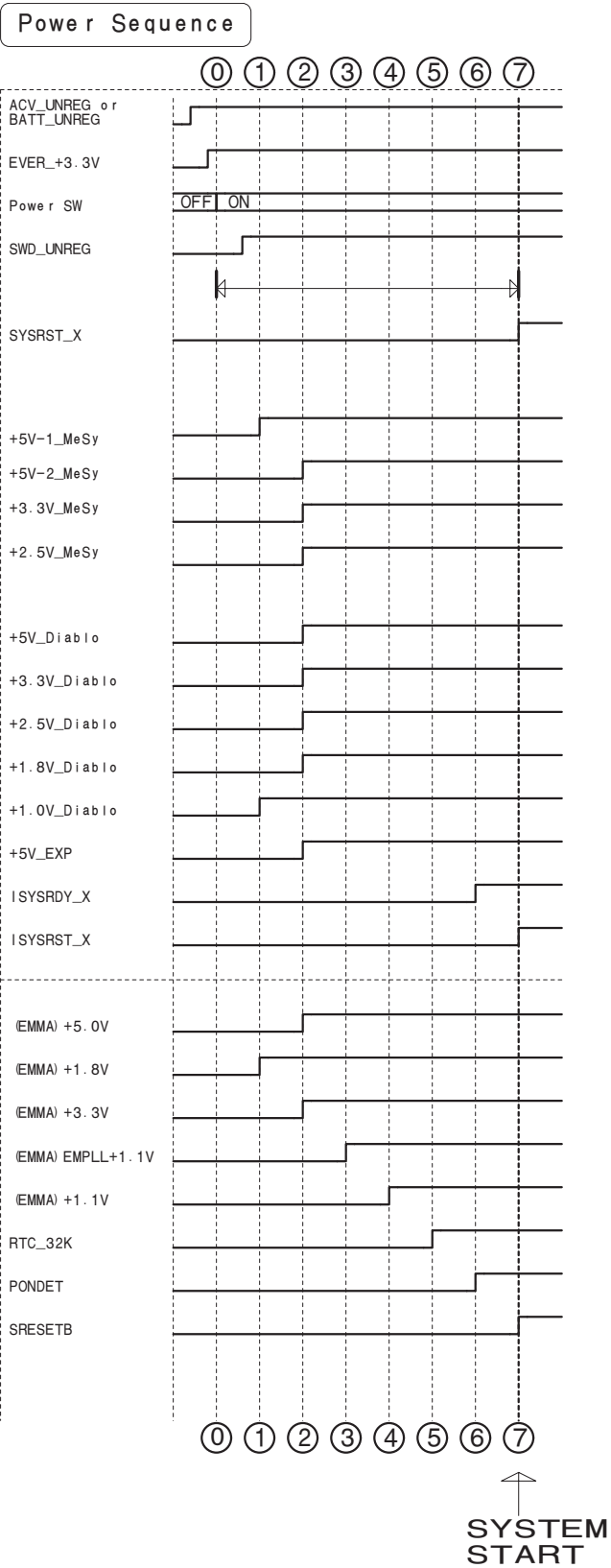
AVP-19 (20/22)

System
EMMA
JTAG ICE
EMMA POWER

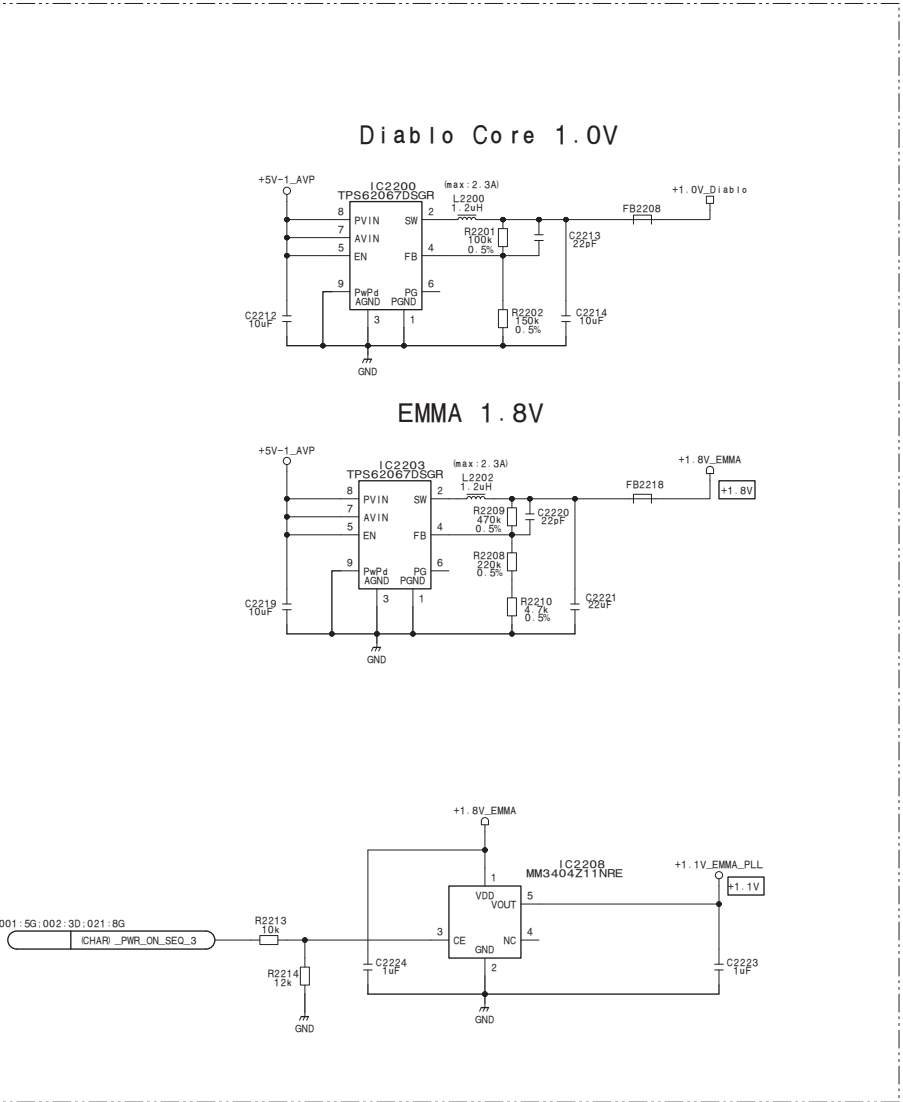
AVP-19 (20/22)

BOARD NO. 1-888-032-12
AVP-19_20

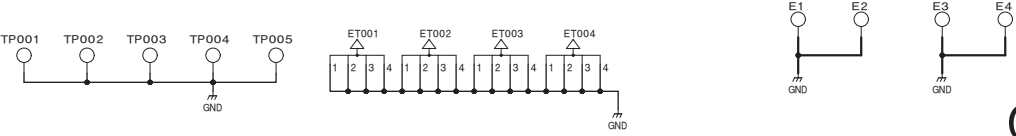
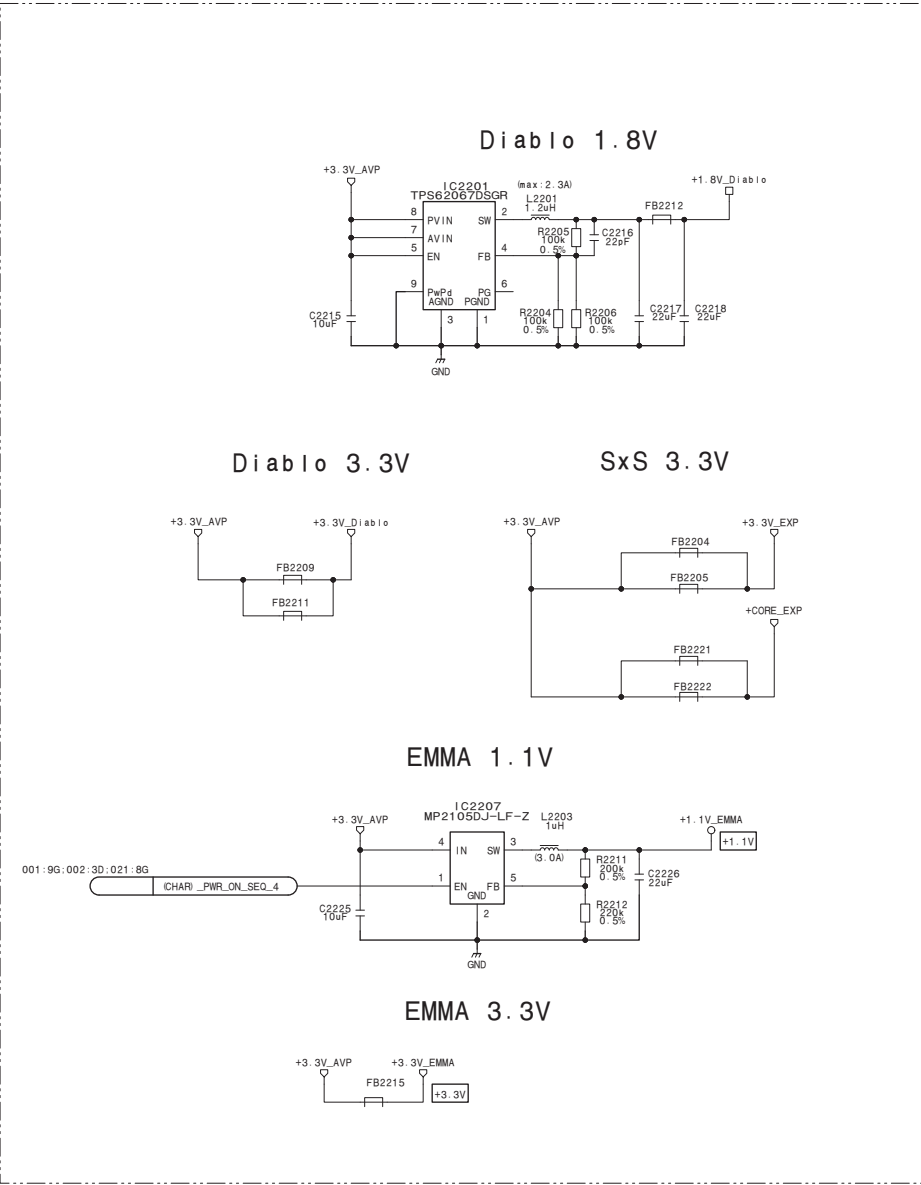




+5.0V-1_AVP (Early Up)

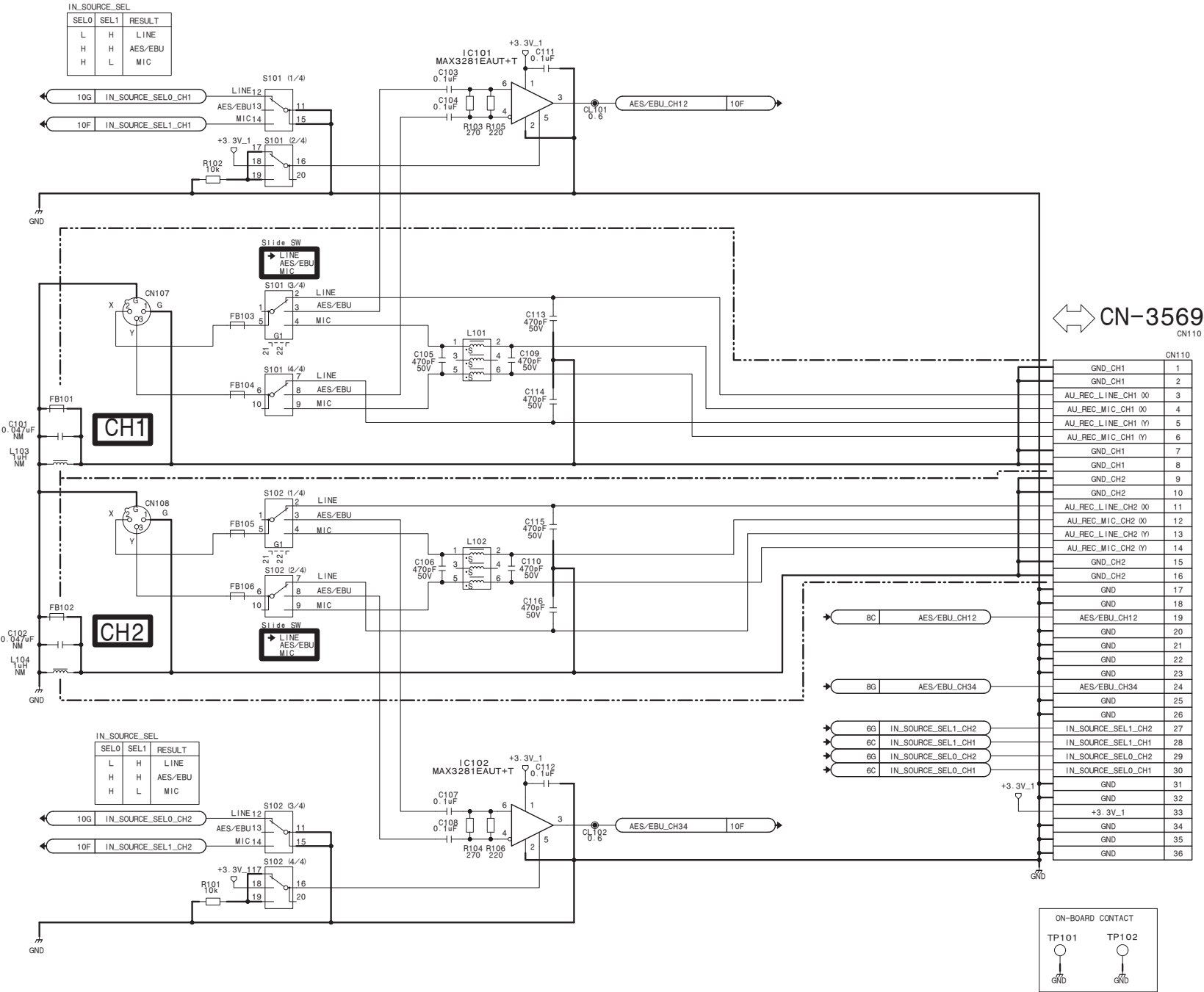


+3.3V_AVP



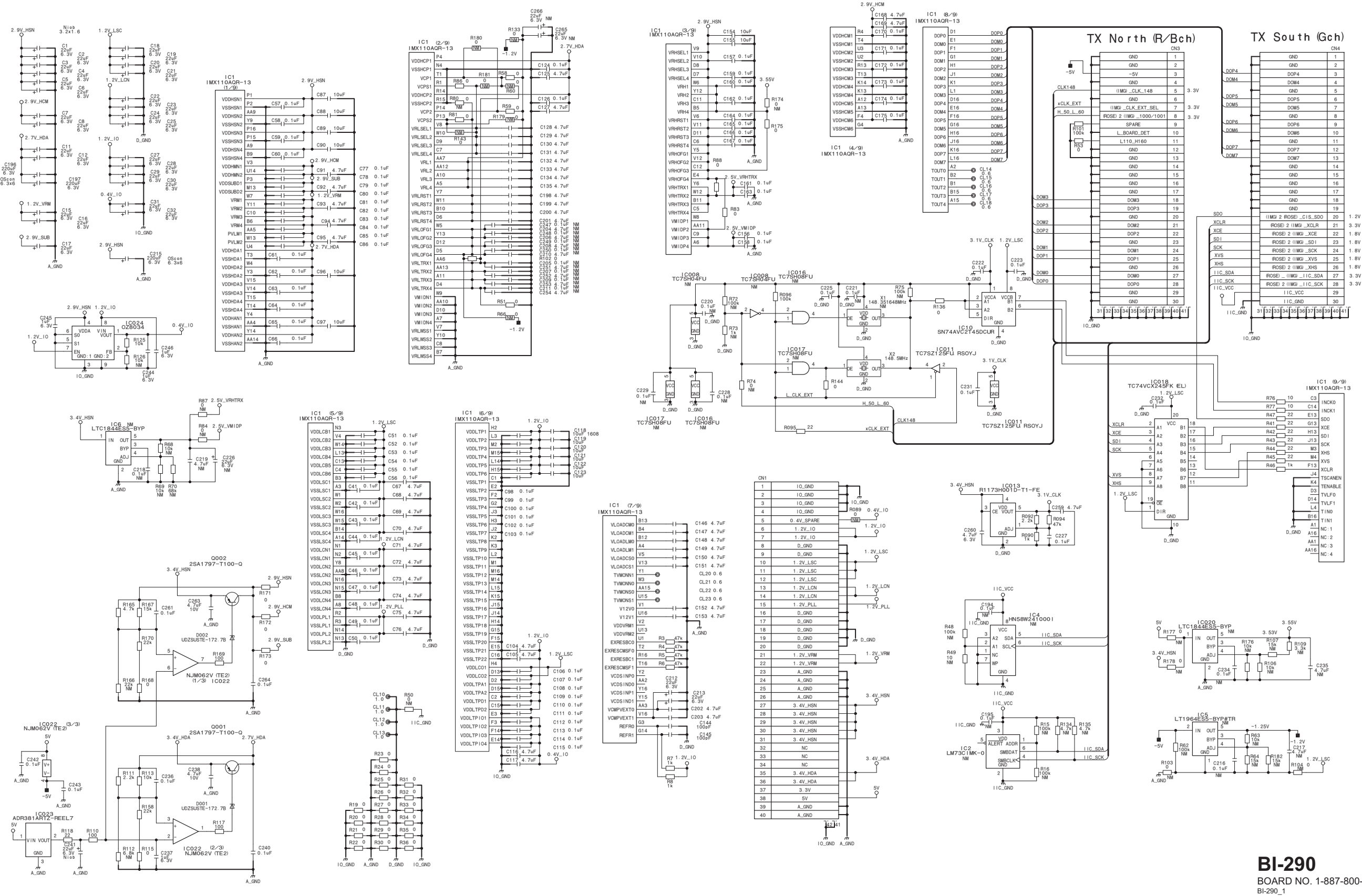
GND TP
EMMA Power Block
Diablo Power Block

AXM-47



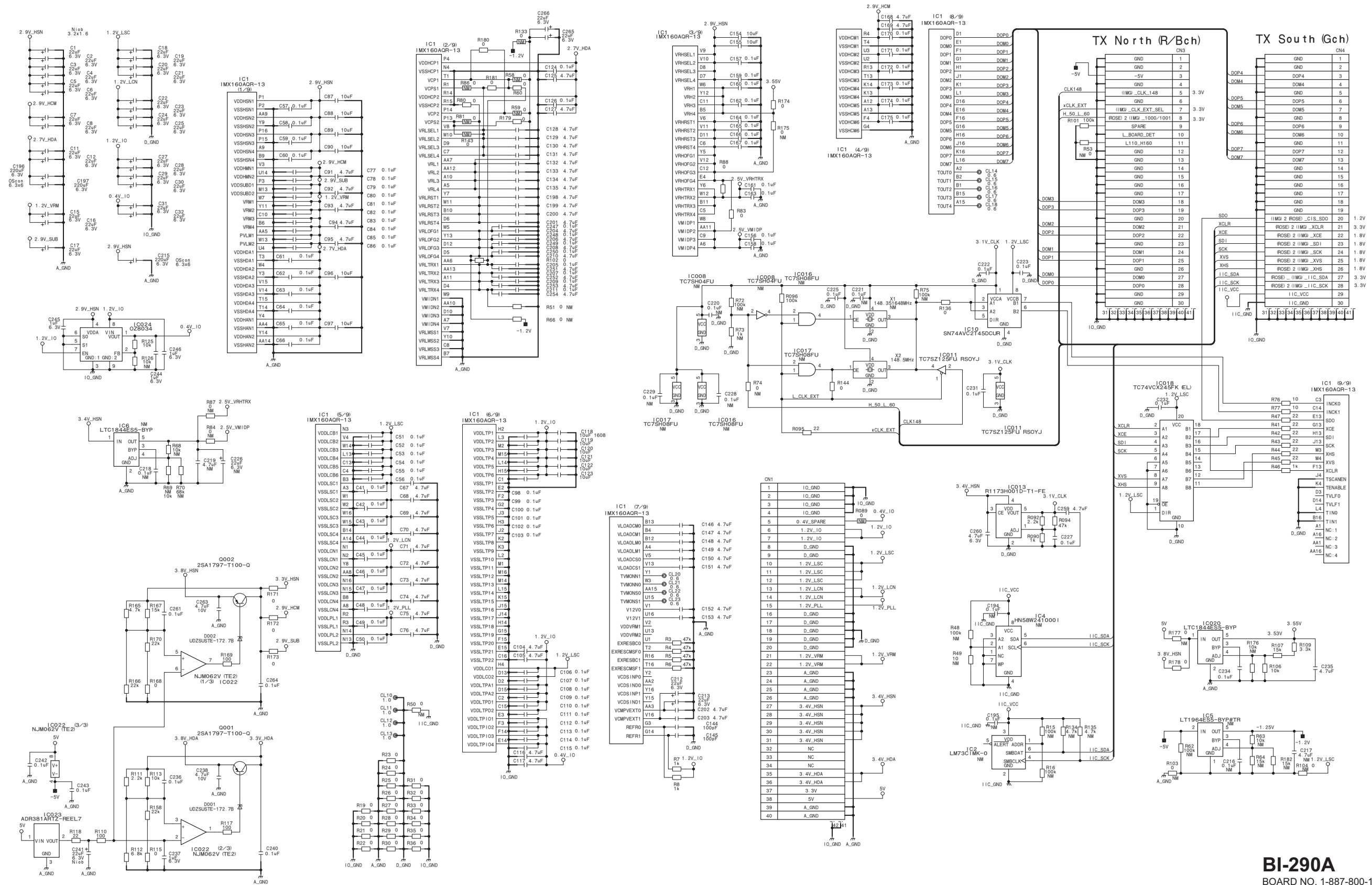
AXM-47

BOARD NO. 1-888-033-11
AXM-47_1



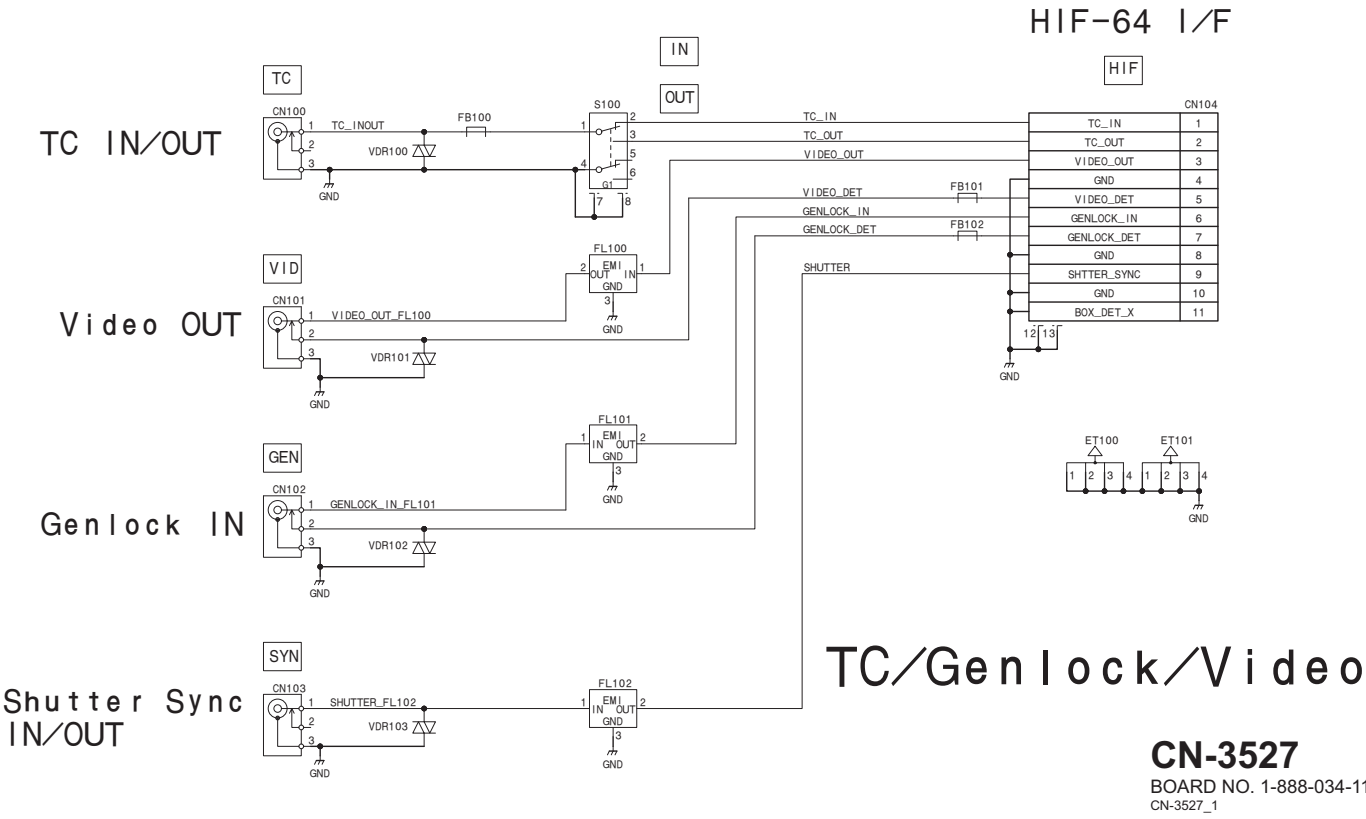
BI-290
BOARD NO. 1-887-800-12
BI-290_1

BI-290A

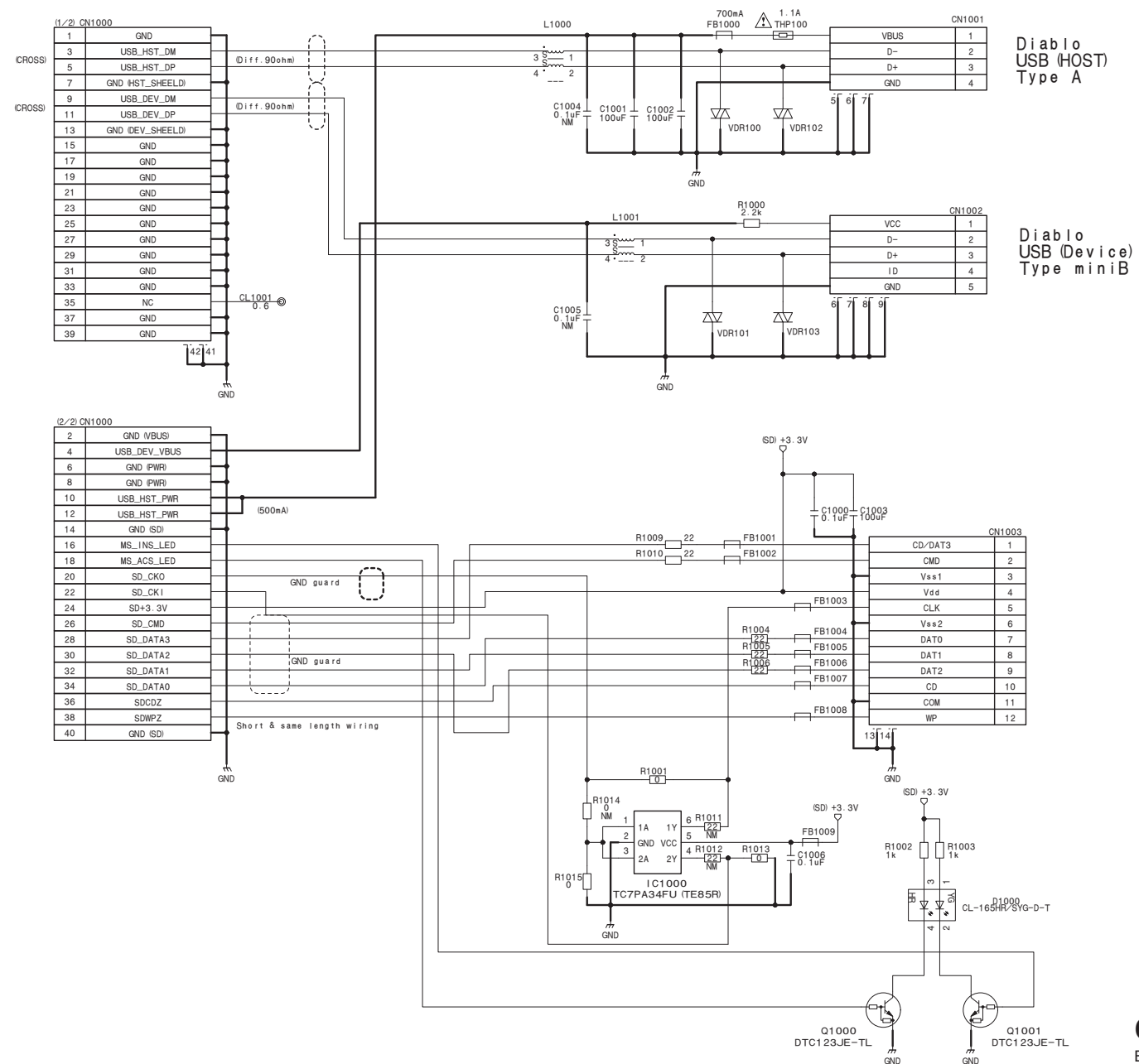


BI-290A
BOARD NO. 1-887-800-12
BI-290A_1

CN-3527

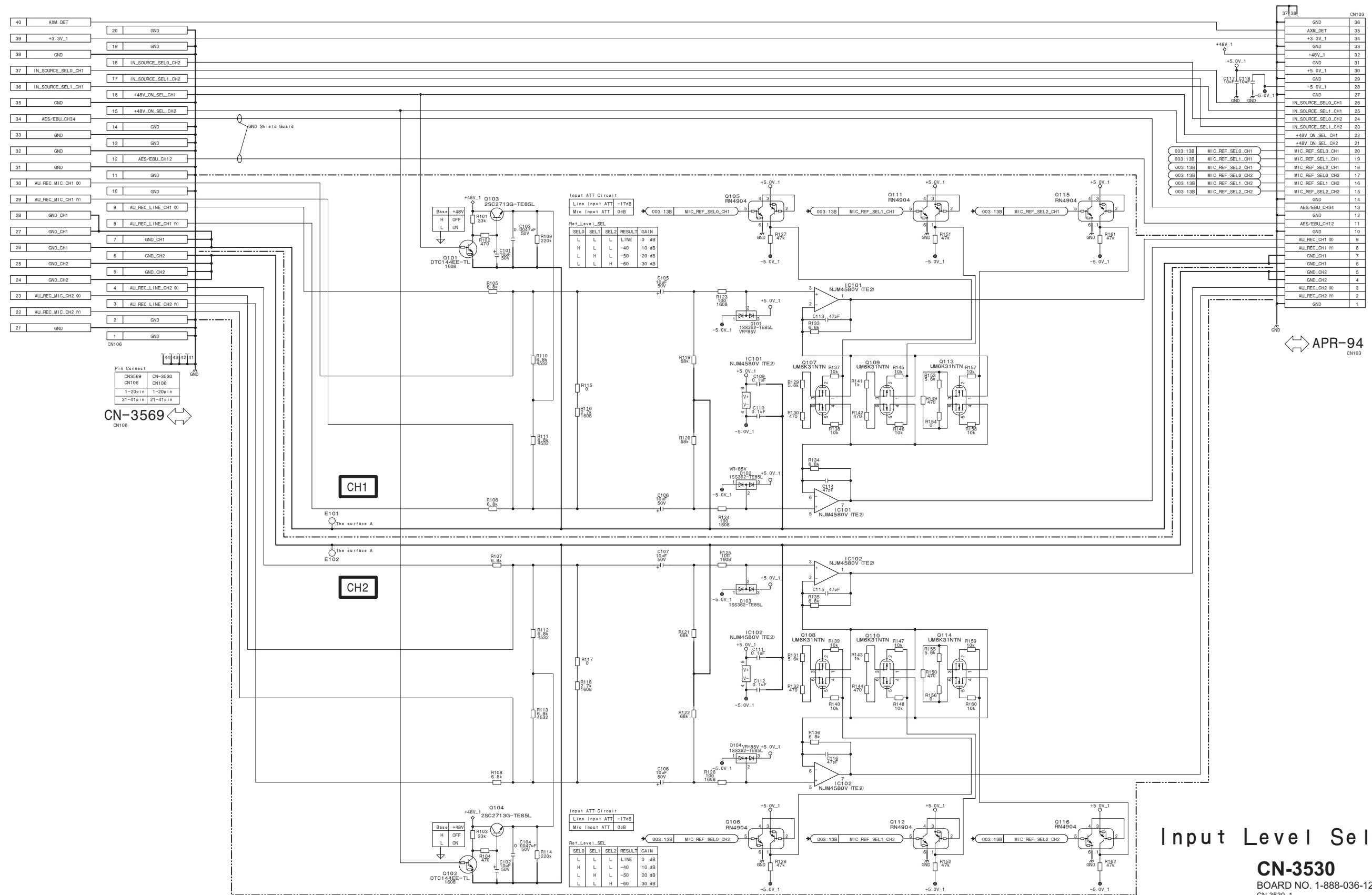


CN-3528

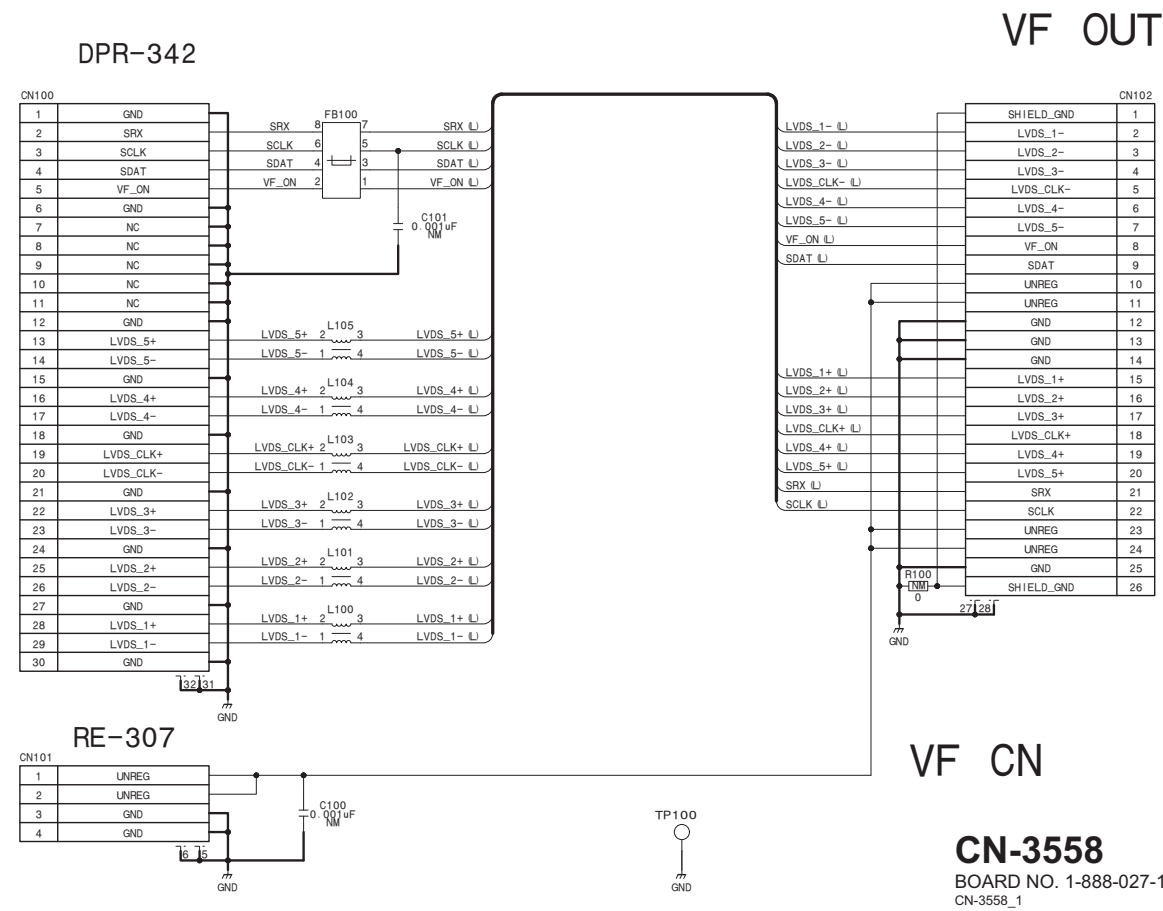


CN-3528
BOARD NO. 1-888-035-11
CN-3528_1

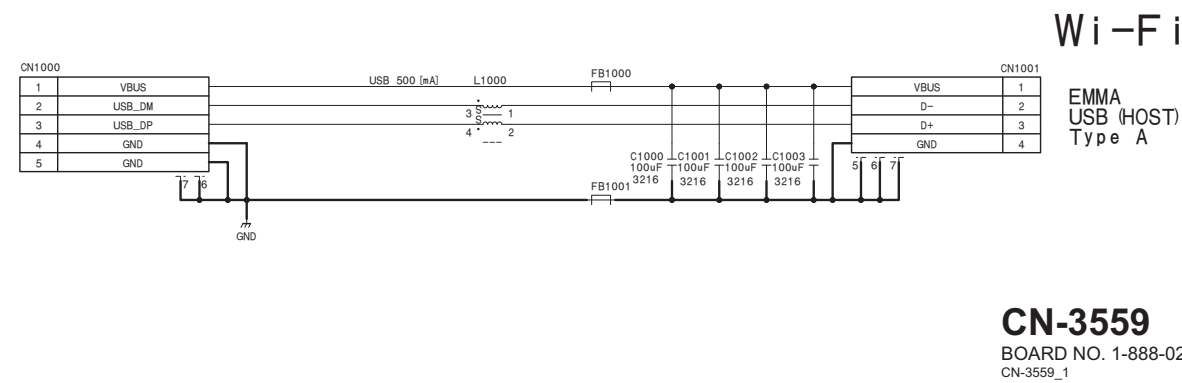
CN-3530



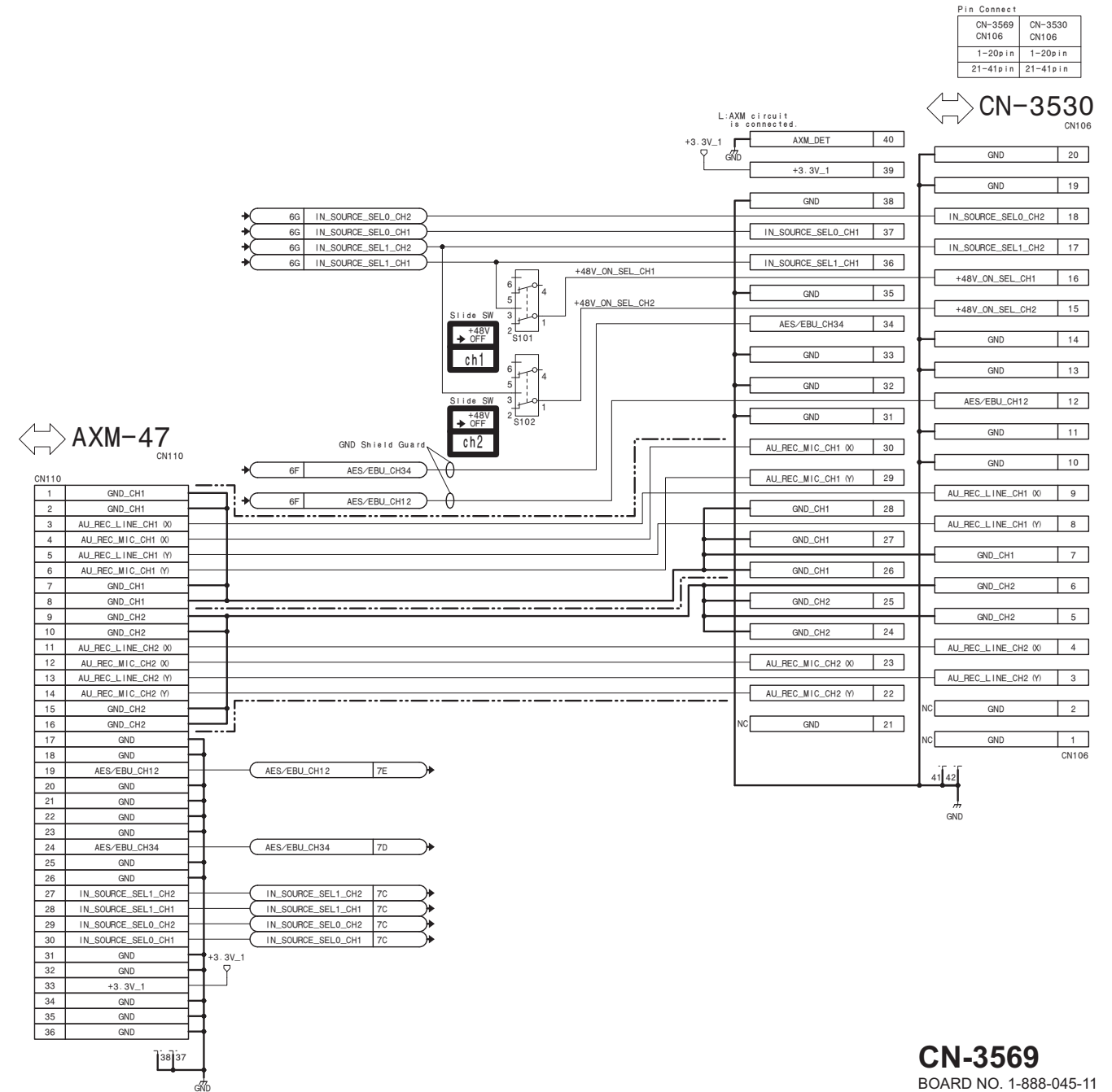
CN-3558



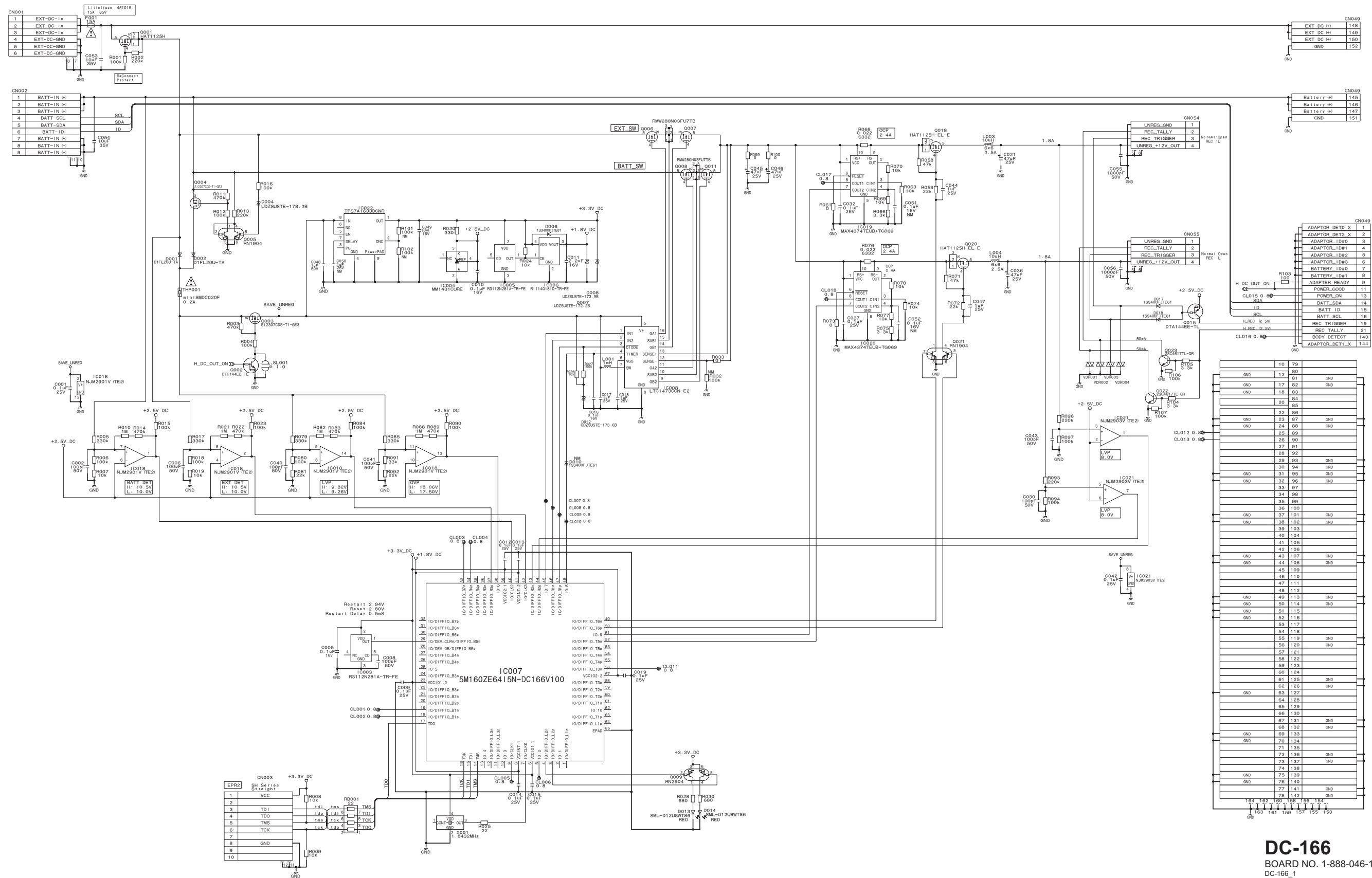
CN-3559



CN-3569



DC-166



DC-166

BOARD NO. 1-888-046-11
DC-166_1

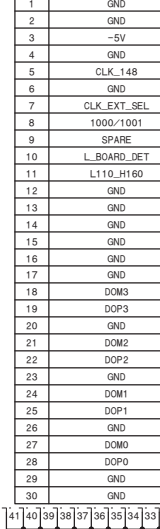
Imager GCS2

IM N

RX North

(REL Small Gauge Coaxial)
(Angle 0.5mm S0P in)

CN0100

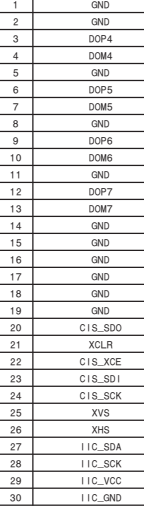


IM S

RX South

(REL Small Gauge Coaxial)
(Angle 0.5mm S0P in)

CN0101

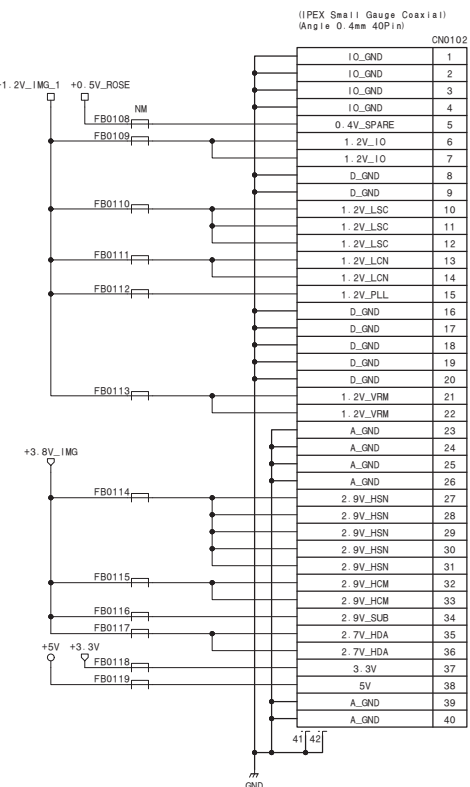


Rosetta GCS2

Rosetta
Imager/Lens CTL
UART SIO

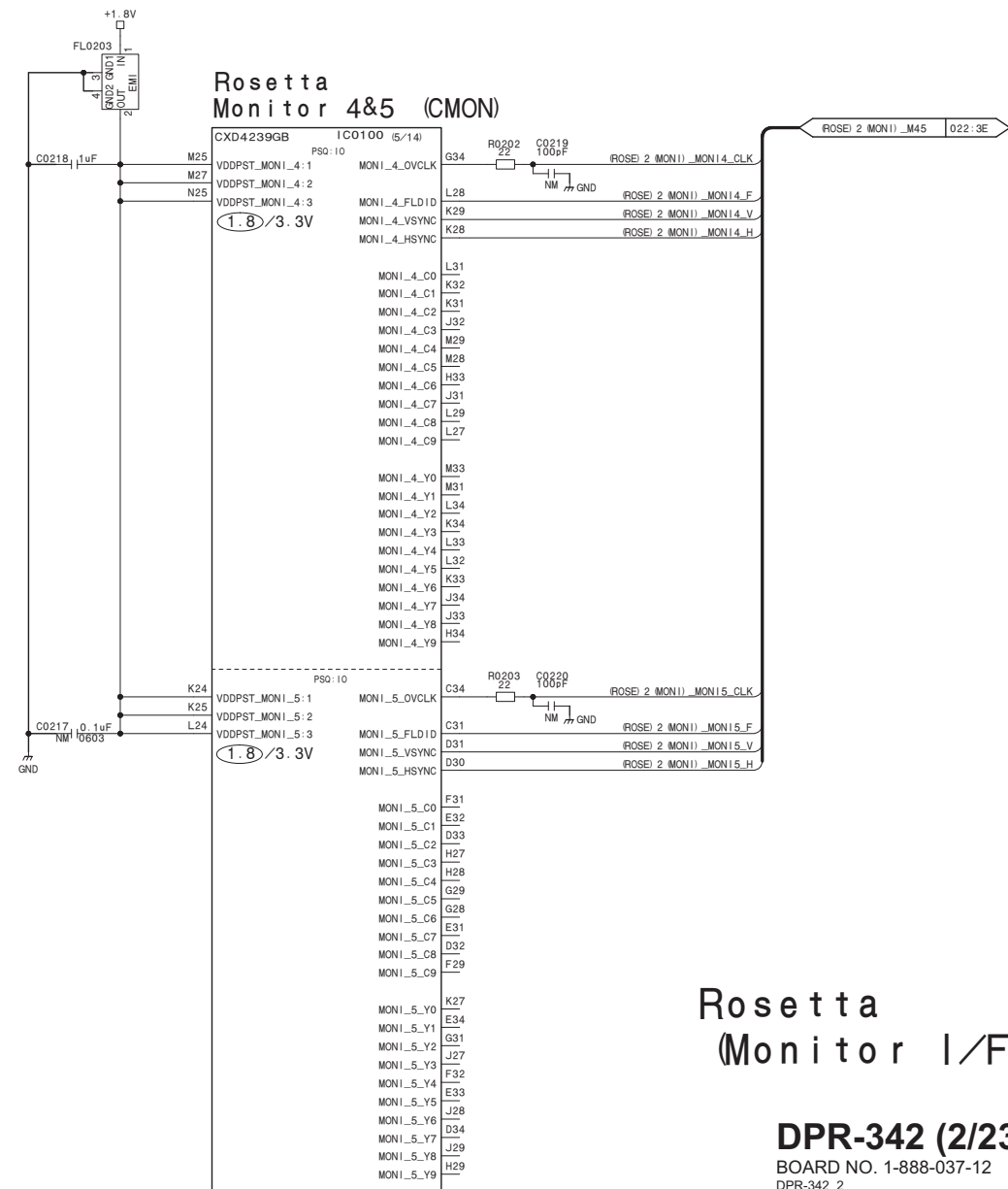
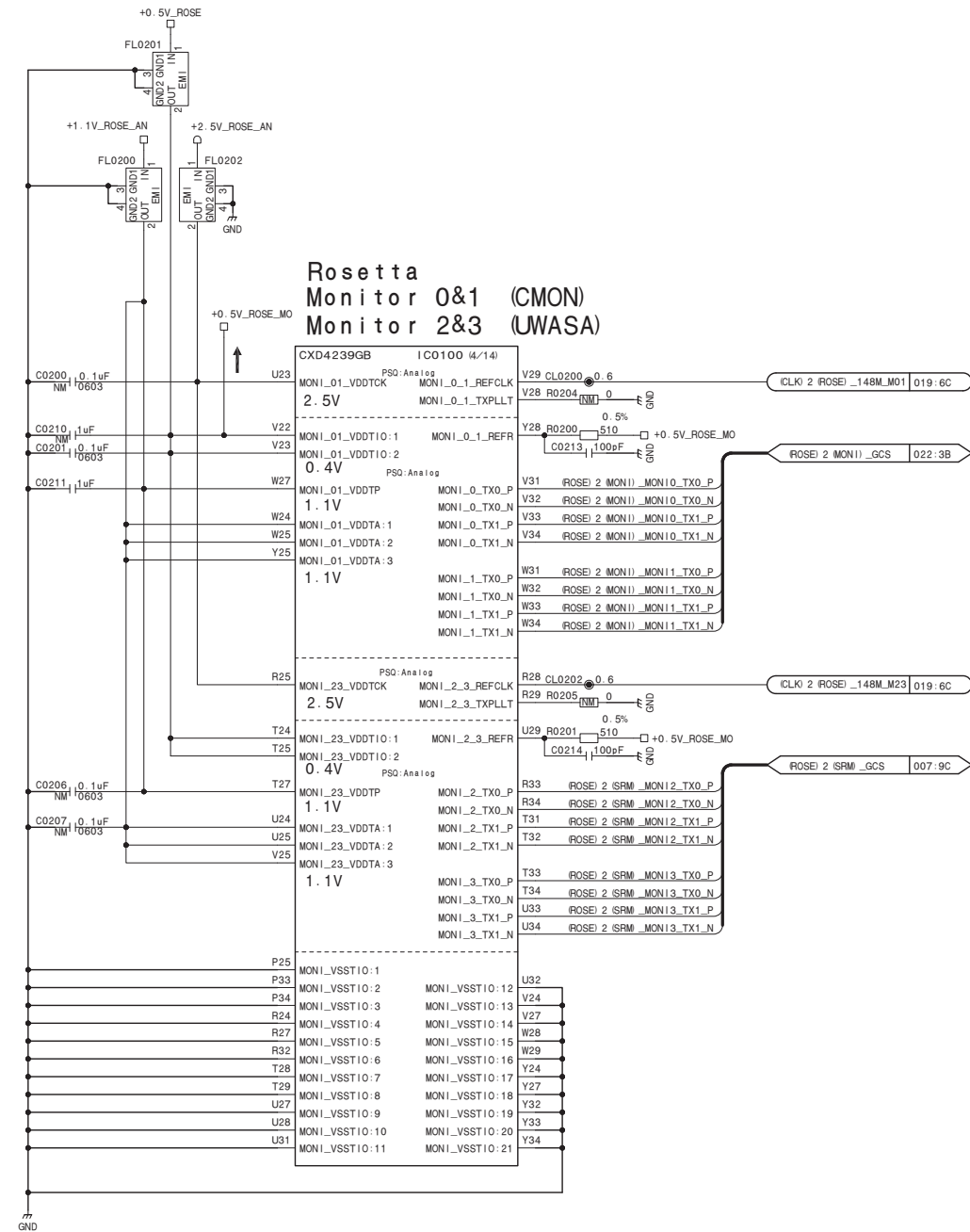
Imager Power

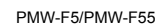
IM PWR



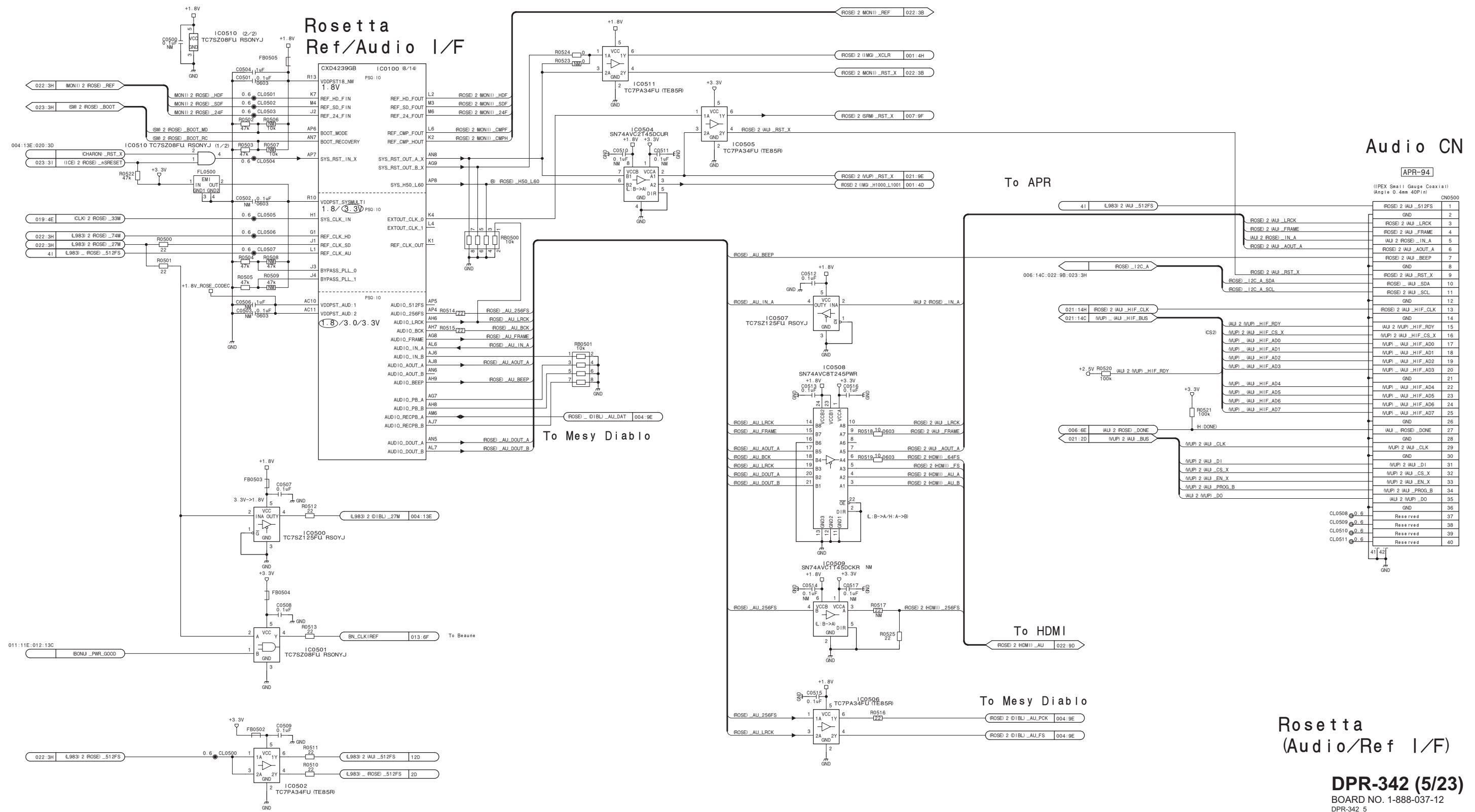
Rosetta (Imager)
(UART/GPIO I/F)

DPR-342 (2/23)

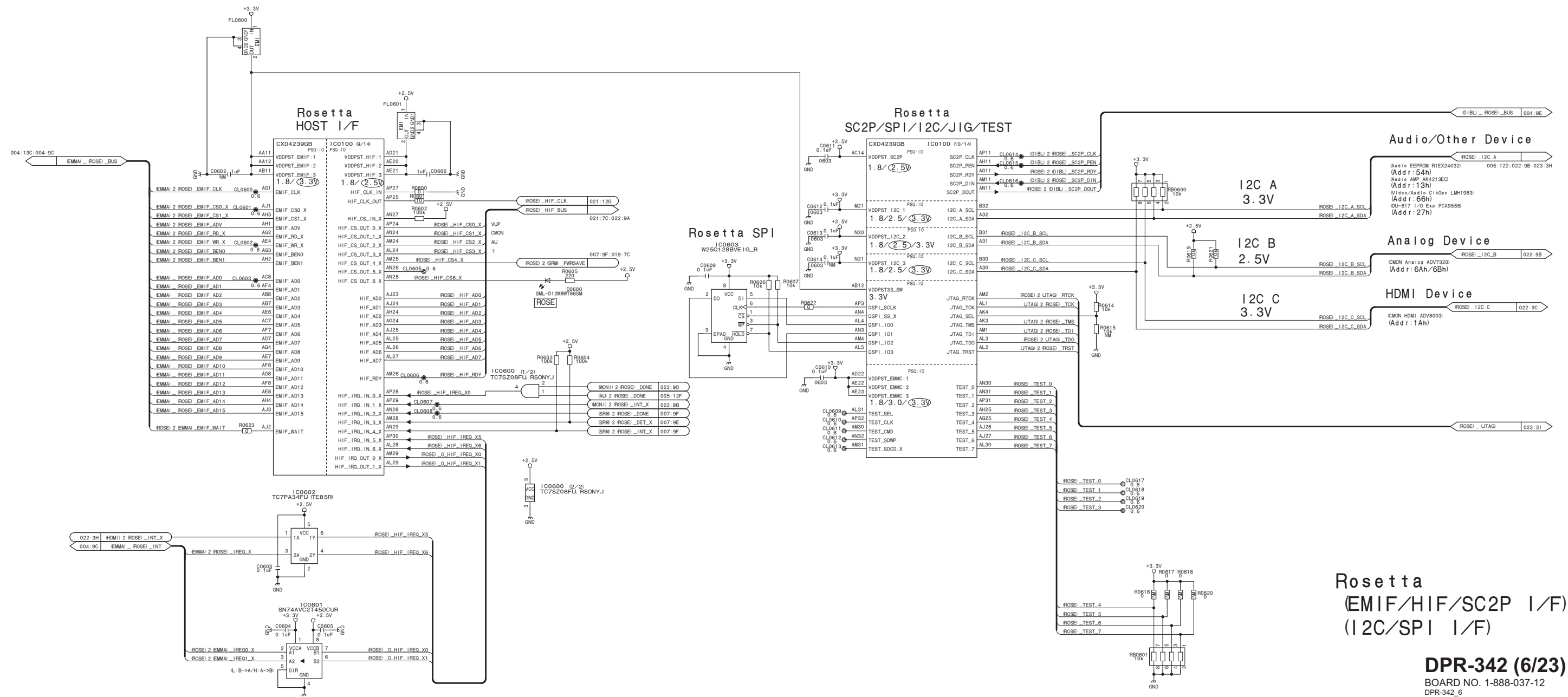




DPR-342 (5/23)



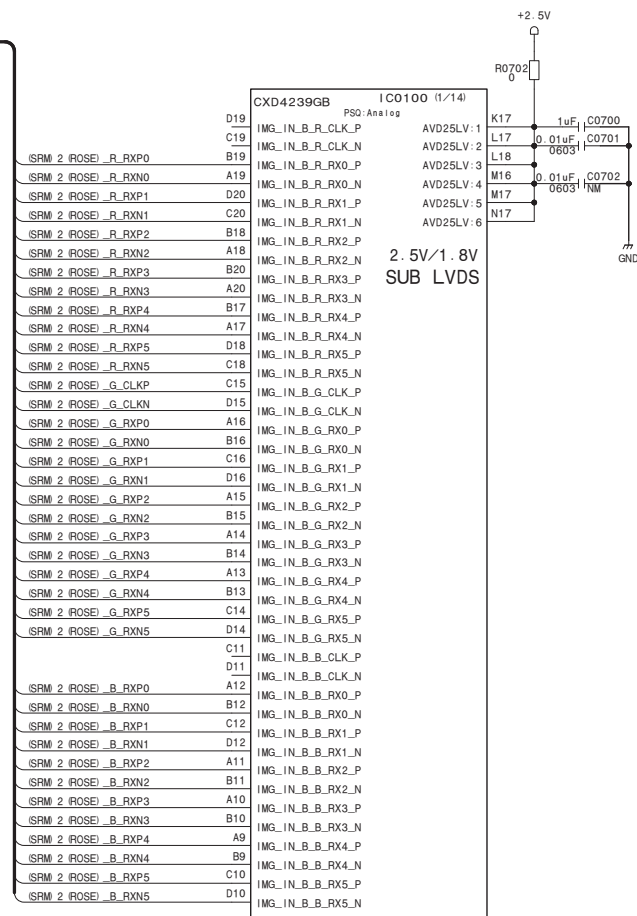
DPR-342 (6/23)



Rosetta
(EMIF/HIF/SC2P I/F)
(I2C/SP1 I/F)

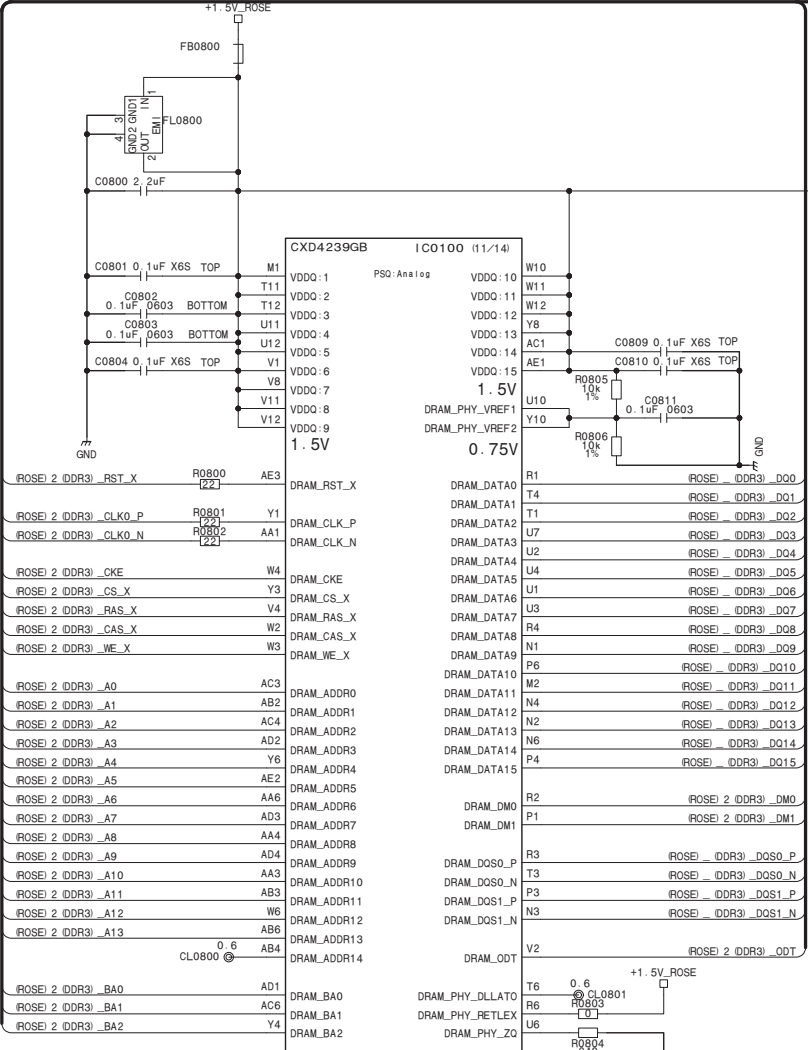
DPR-342 (6/23)
BOARD NO. 1-888-037-12
DPR-342_6

2.5V/1.8V
SUB LVDS

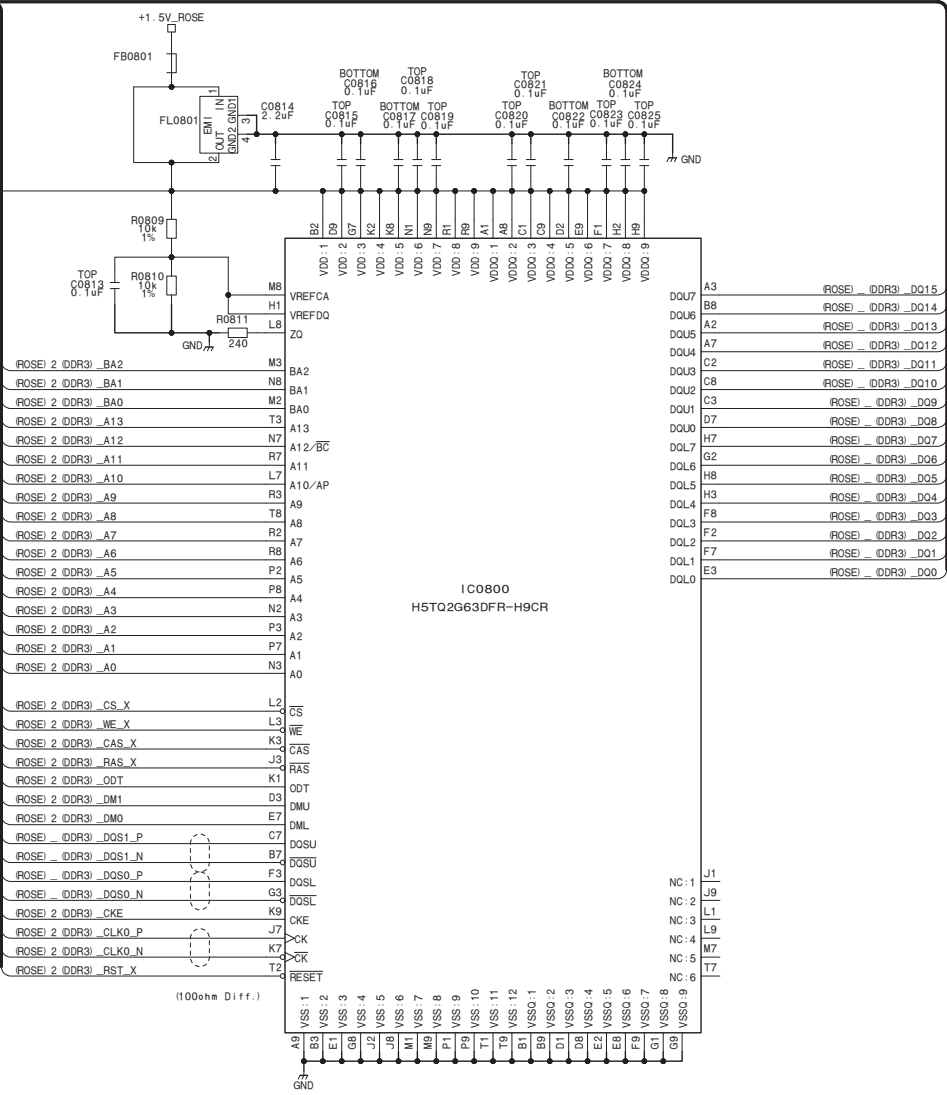


BOARD NO. 1-888-037-12
DPR-342_7

Rosetta
DDR3 I/F 1.5V

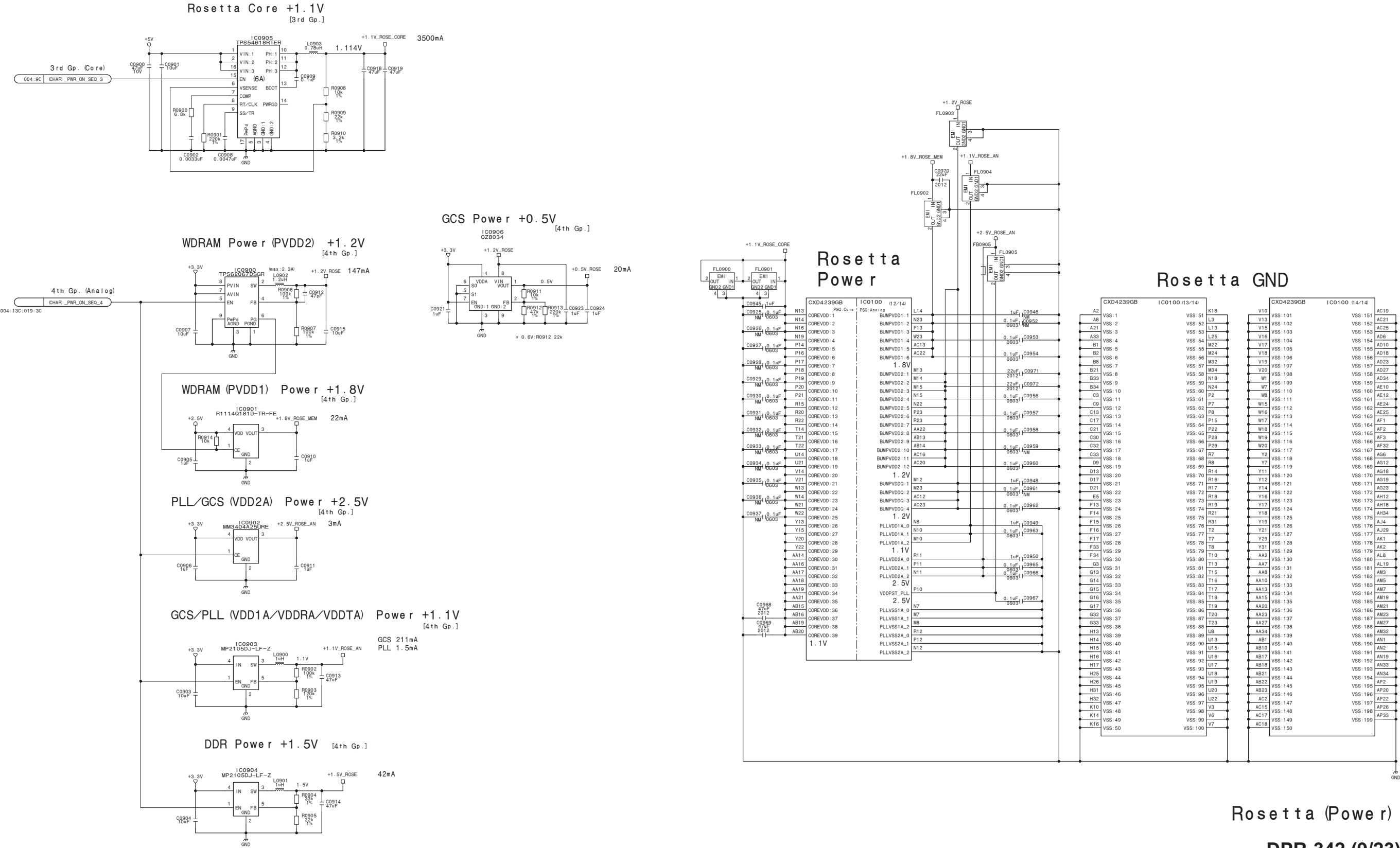


DDR3

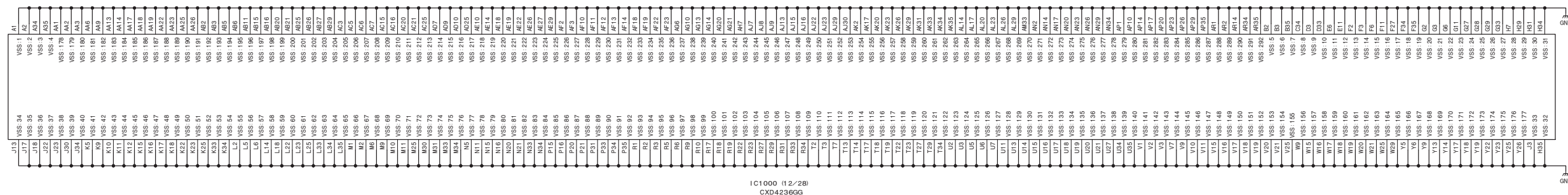
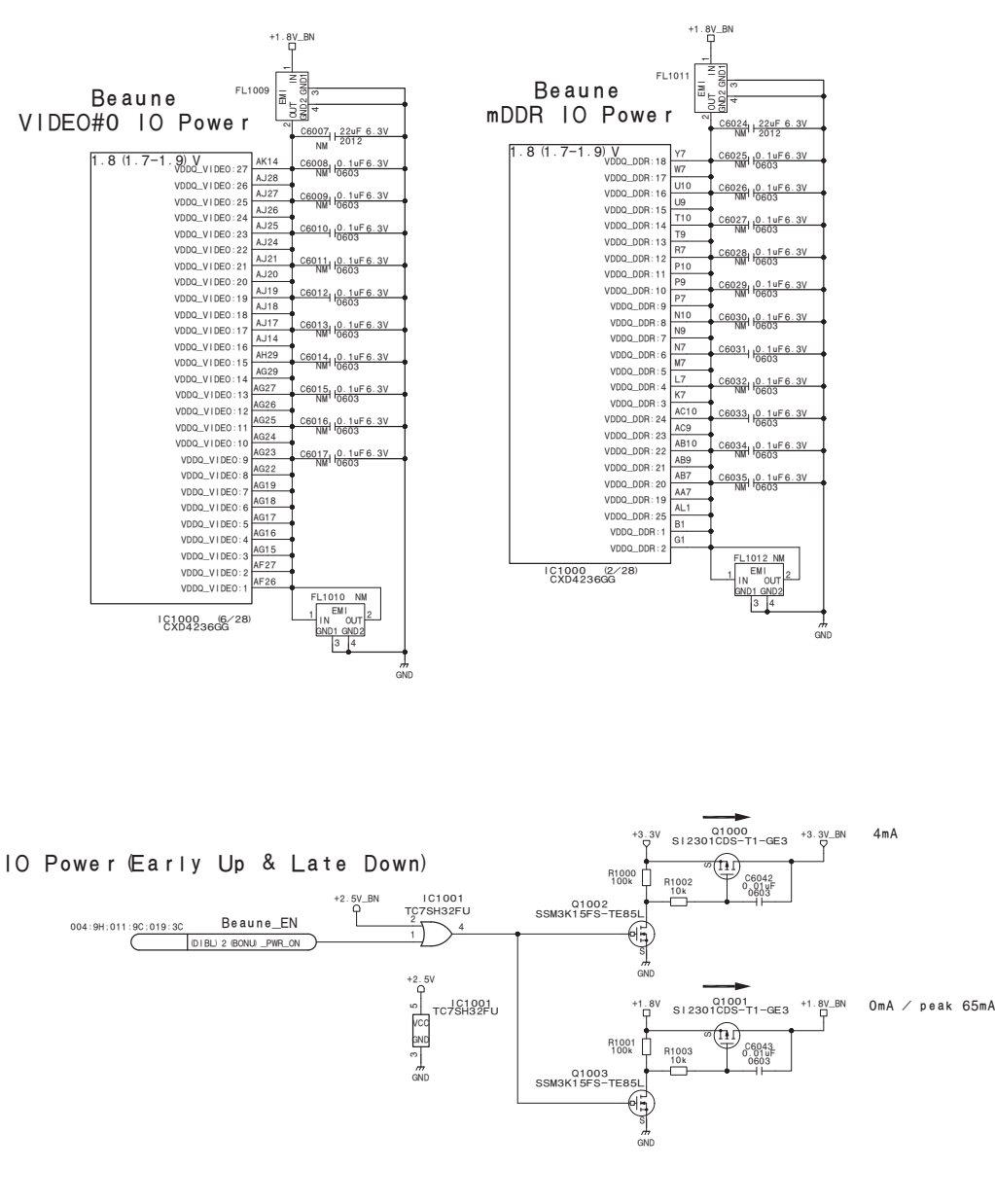
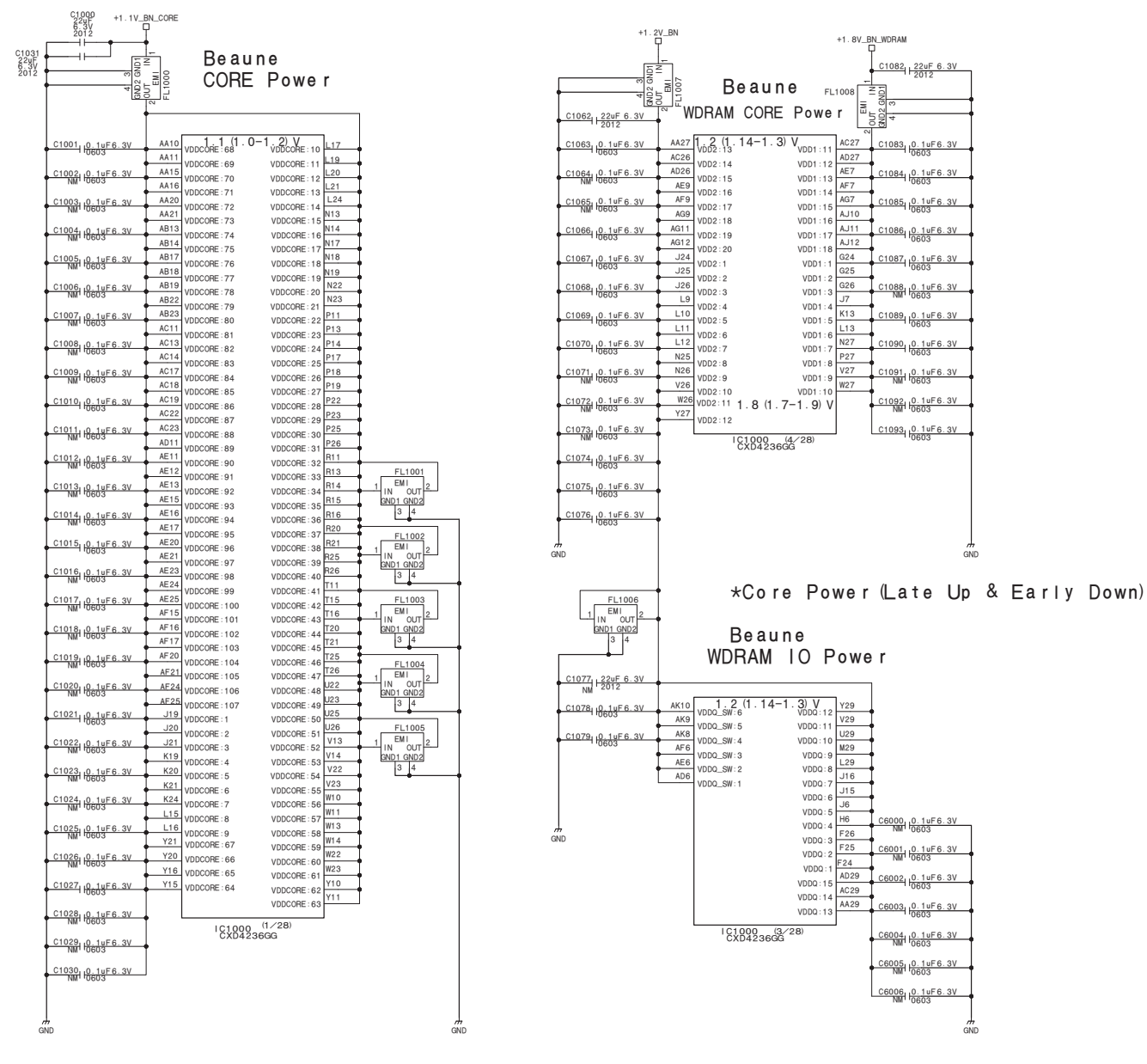


Rosetta
(DDR3 I/F)

DPR-342 (8/23)
BOARD NO. 1-888-037-12
DPR-342_8



DPR-342 (10/23)

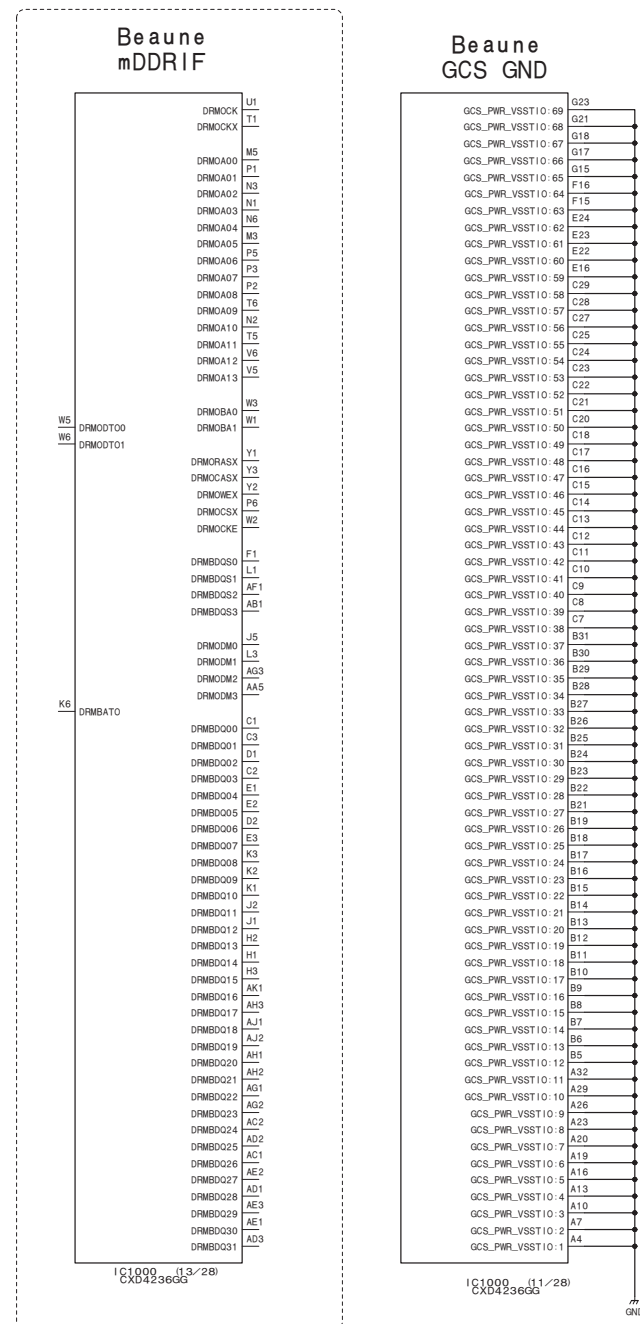


Beaune (Power 1)

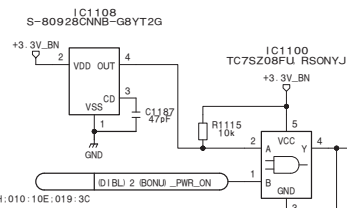
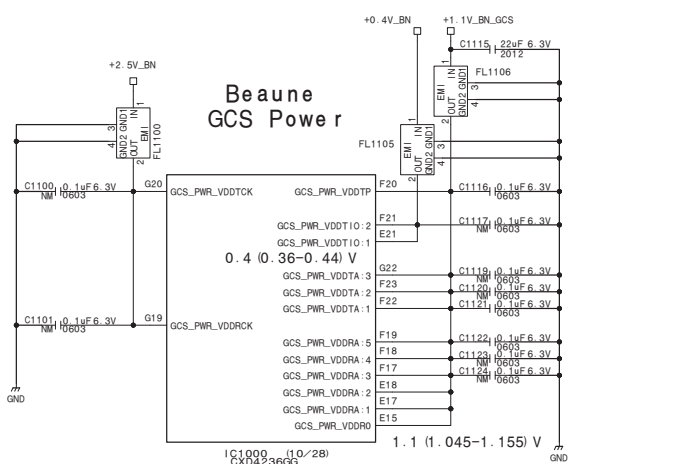
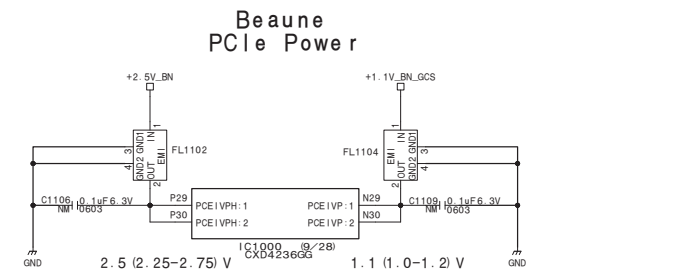
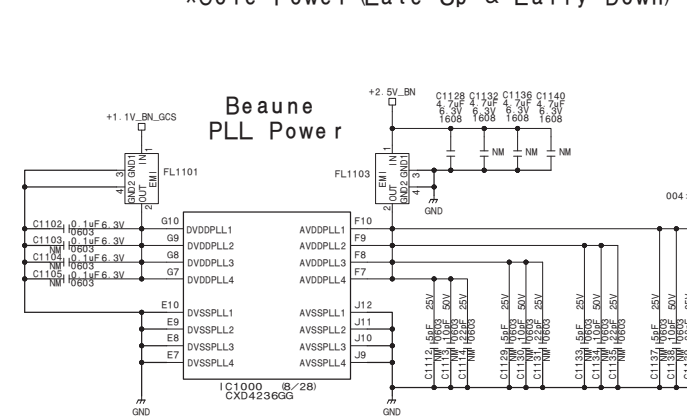
DPR-342 (10/23)

BOARD NO. 1-888-037-12
DPR-342_10

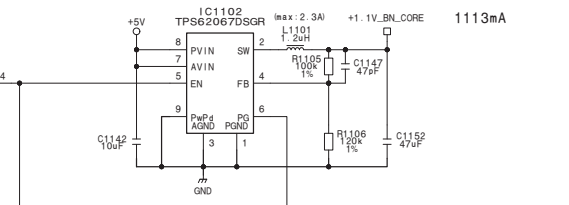
not use mDDR



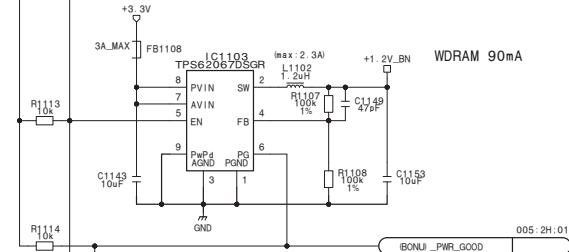
*Core Power (Late Up & Early Down)



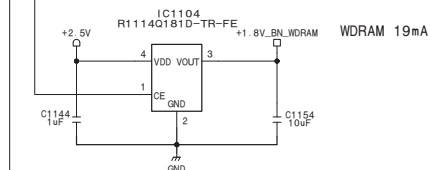
CORE Power +1.1V



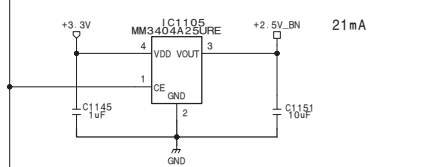
WDRAM/GCS Power +1.2V



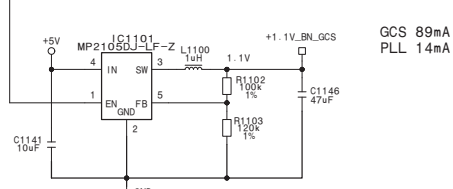
WDRAM (VDD1) Power +1.8V



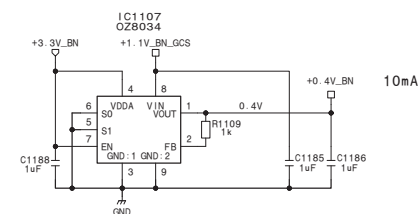
PLL/PCle/GCS Power +2.5V



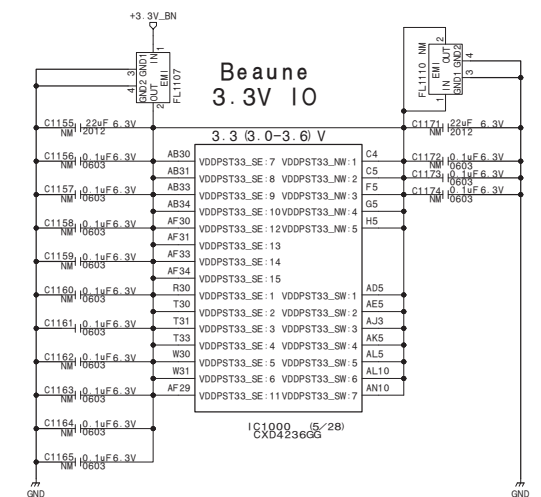
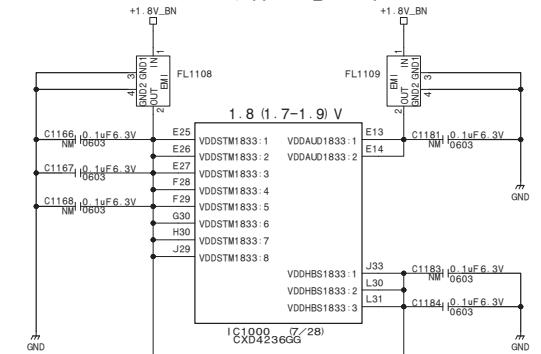
GCS/PLL/PCle Power +1.1V



GCS Power +0.4V



*10 Power (Early Up & Late Down)

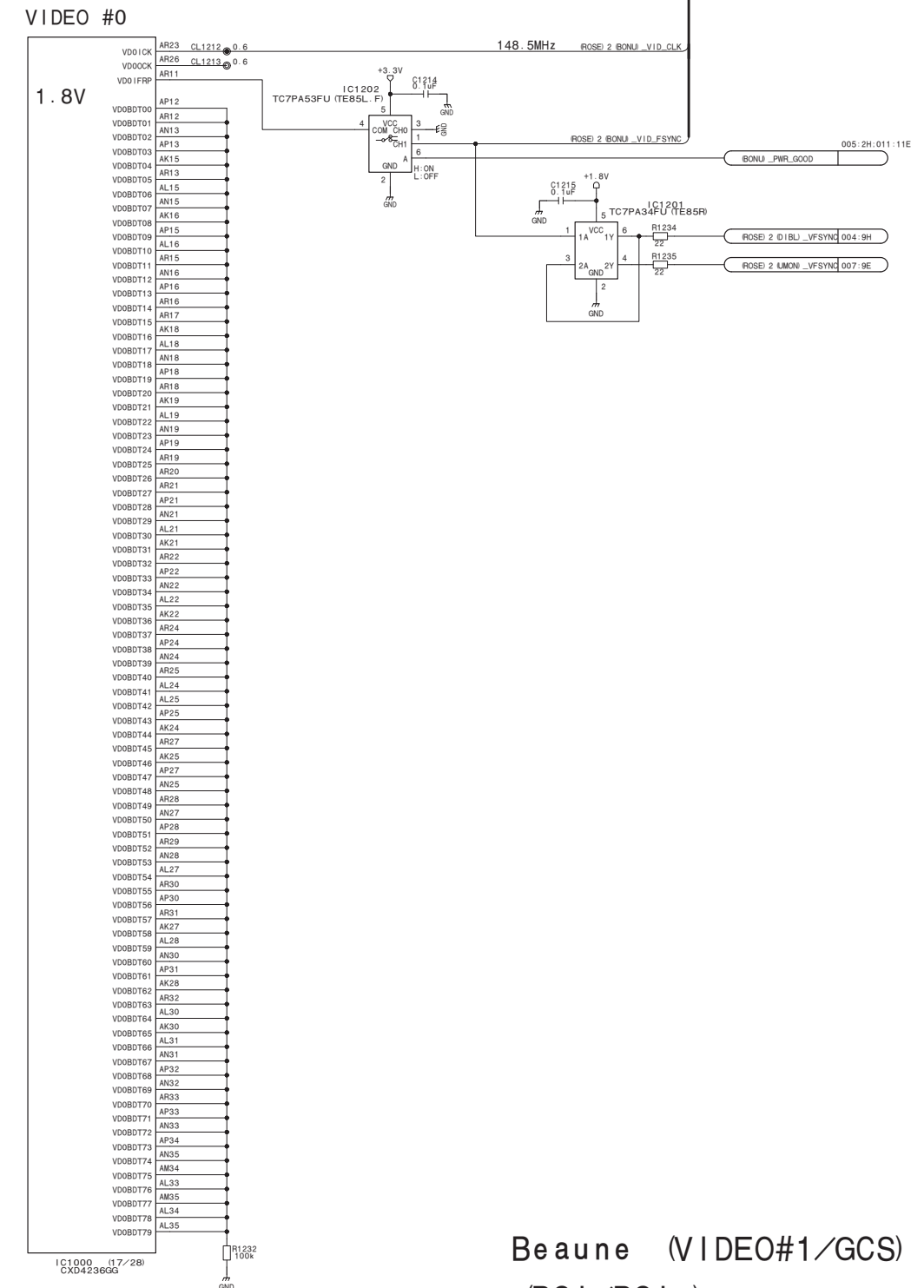
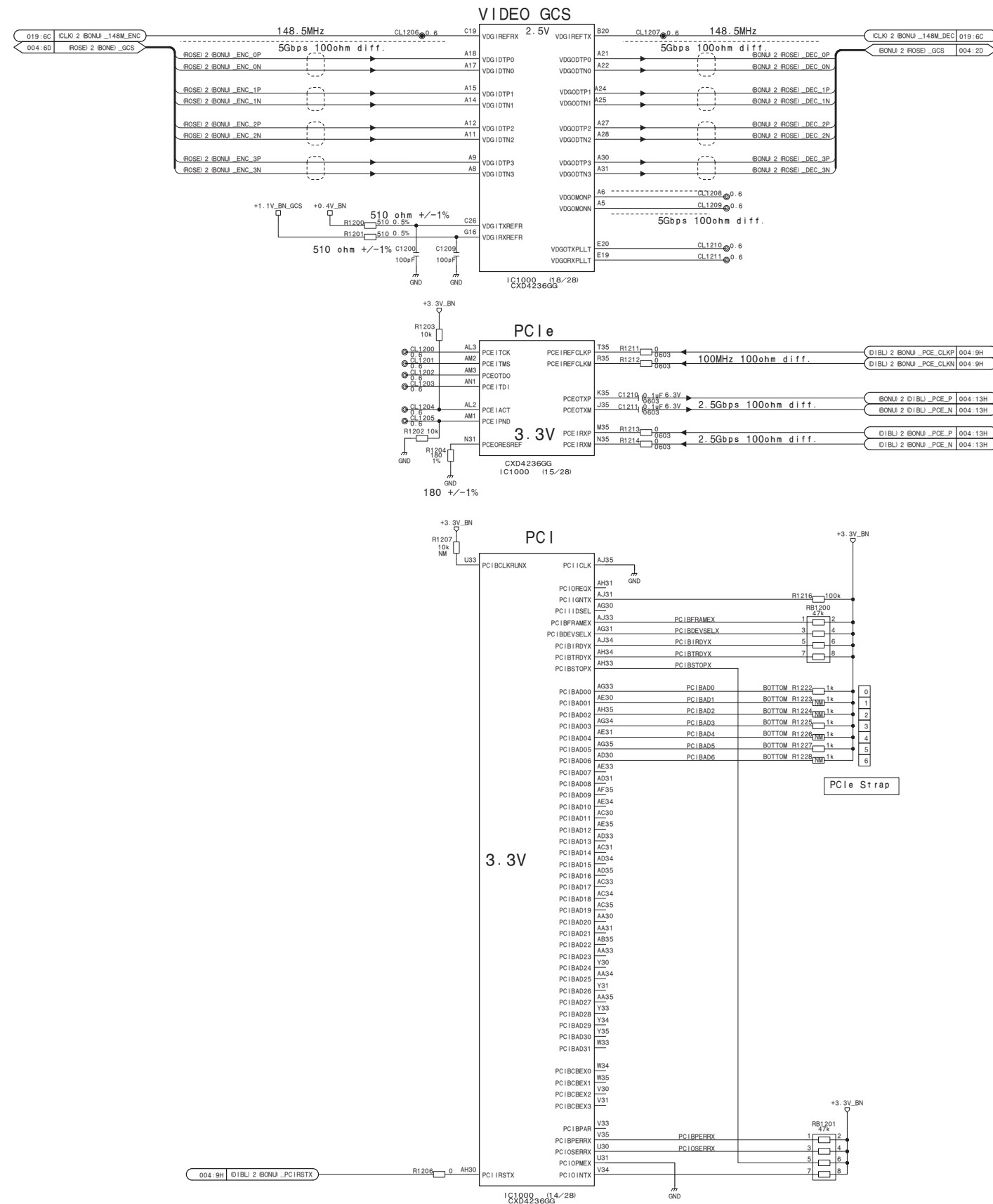
Beaune
Audio/Stream
/HostBus Power

Beaune (mDDR/Power2)

DPR-342 (11/23)

BOARD NO. 1-888-037-12
DPR-342_11

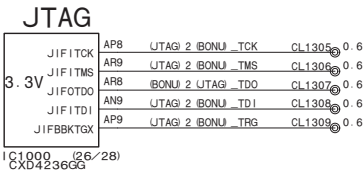
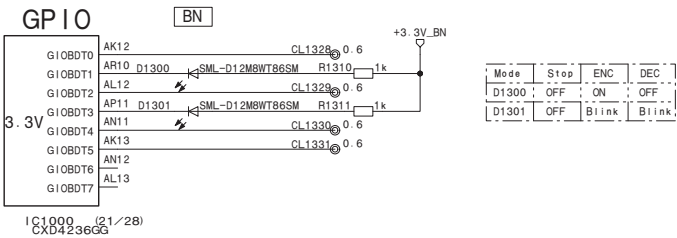
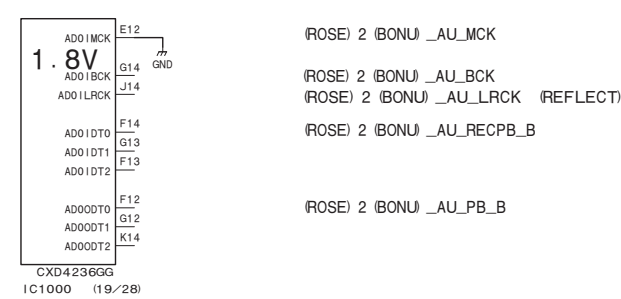
DPR-342 (12/23)

Beaune (VIDEO#1/GCS)
(PCI/PCIe)

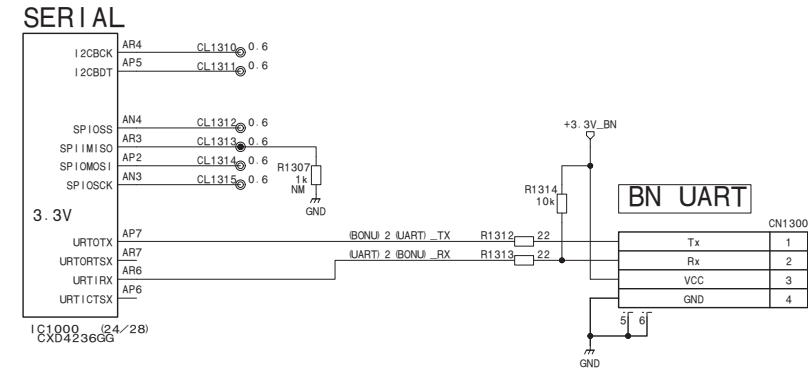
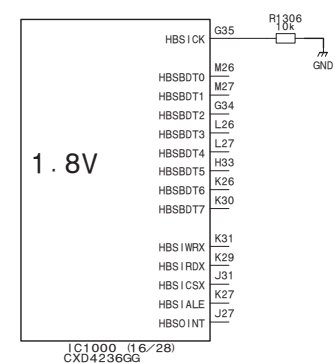
DPR-342 (12/23)
BOARD NO. 1-888-037-12
DPR-342_12

DPR-342 (13/23)

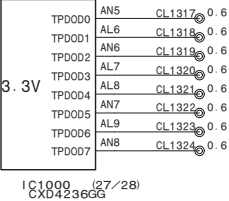
AUDIO #0



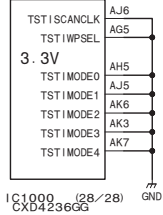
HOST IF



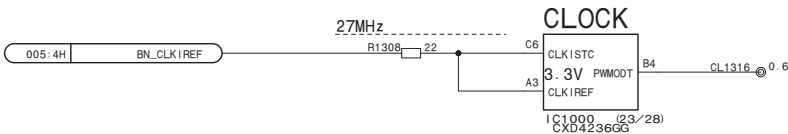
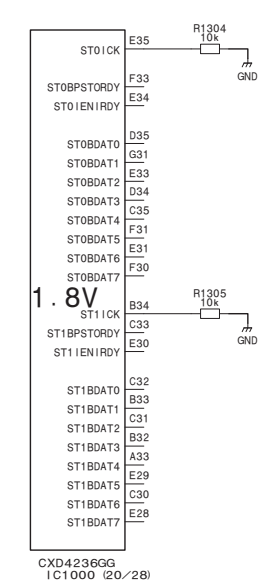
Debug TPD



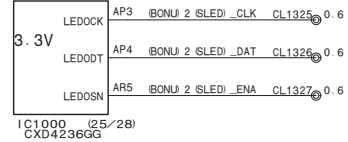
TEST



STREAM



LED

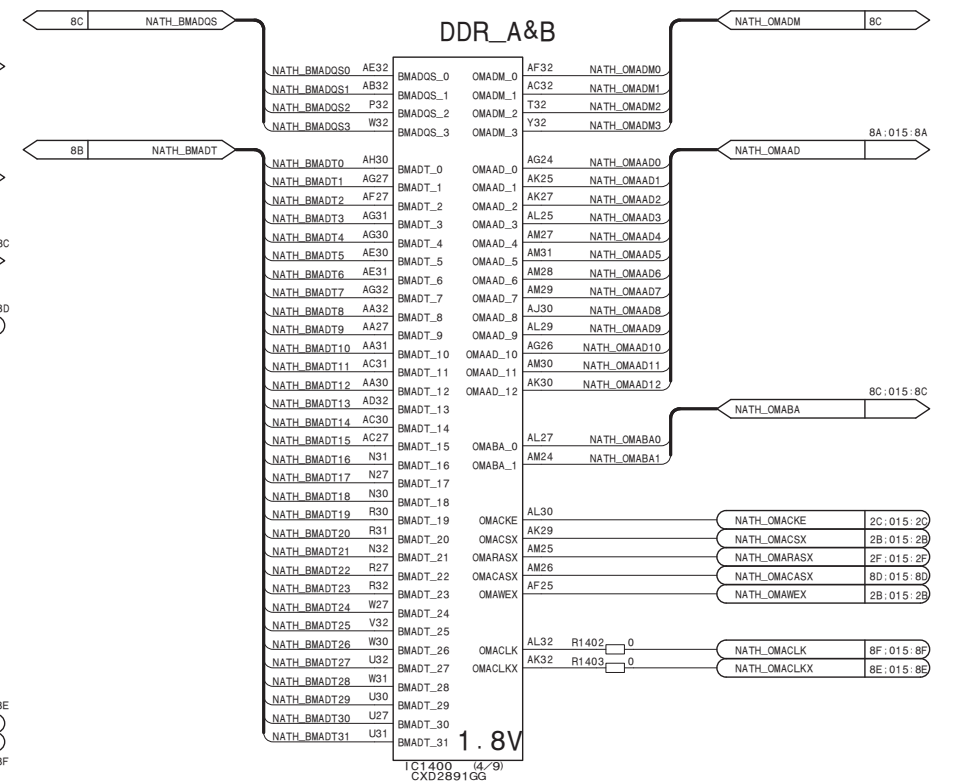
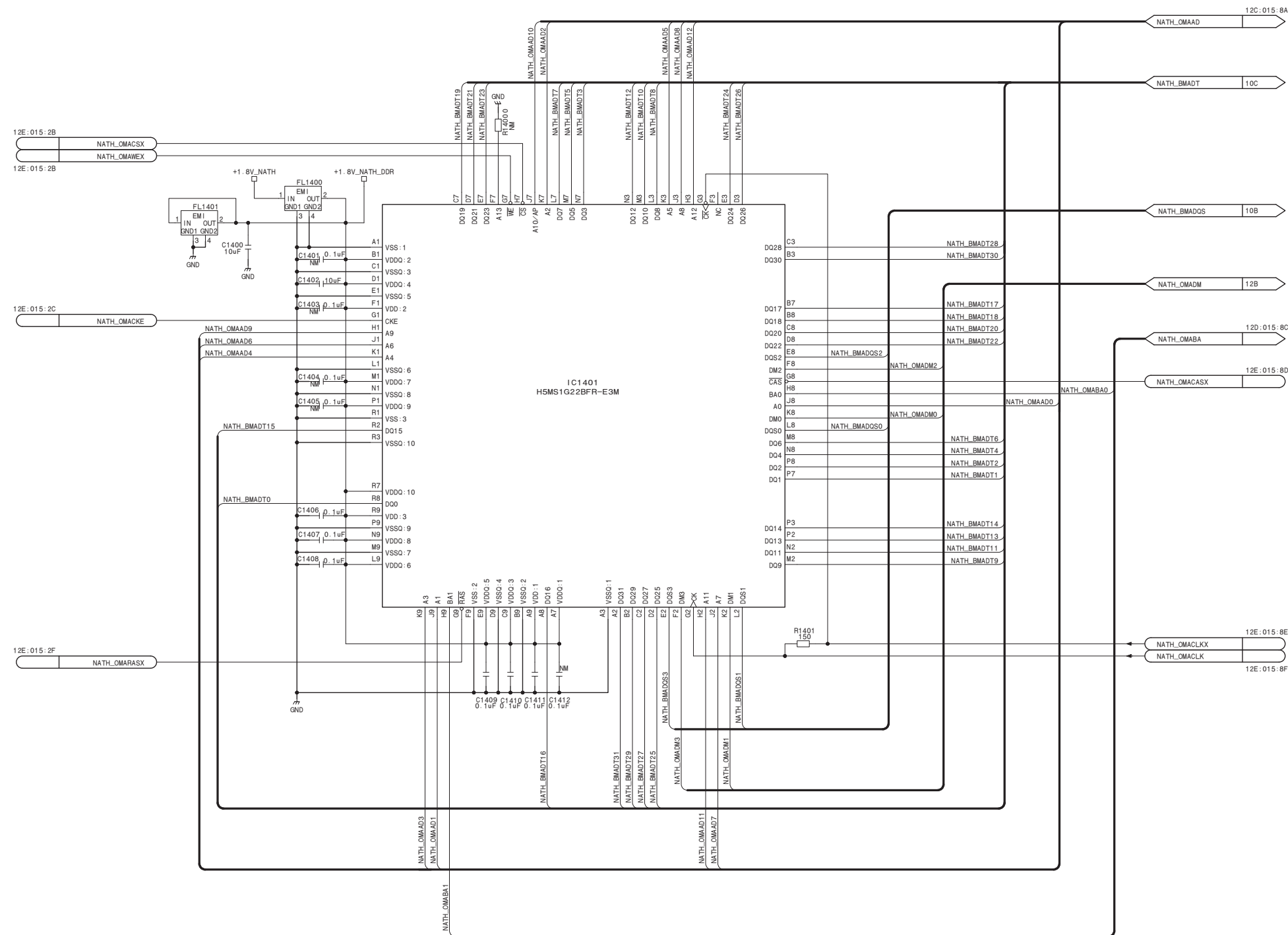


Beaune (AUDIO/HOST)
(STREAM/Debug/Other)

DPR-342 (13/23)

BOARD NO. 1-888-037-12
DPR-342_13

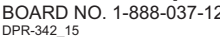
DPR-342 (14/23)



NATH (MDDR_A)

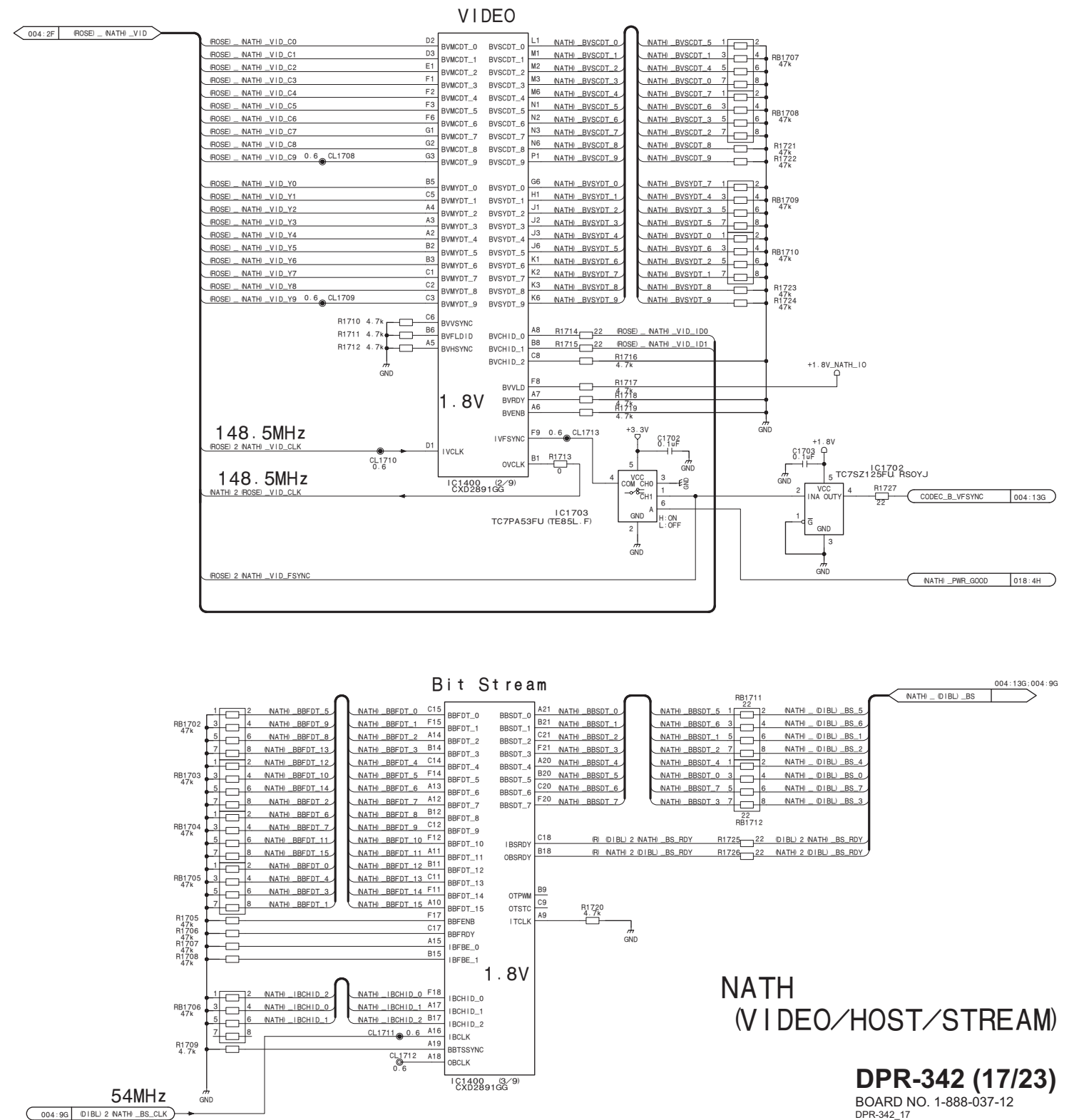
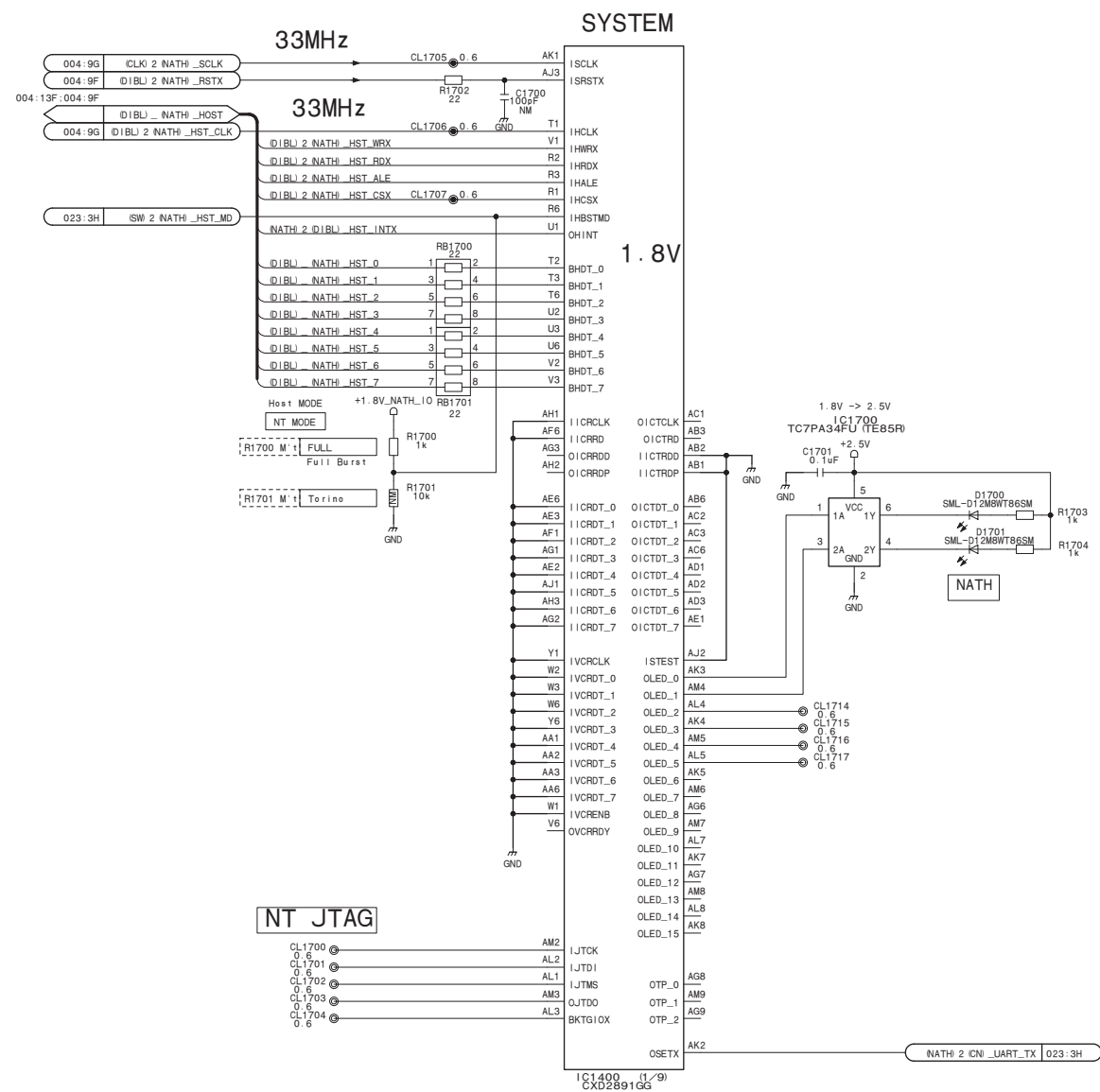
DPR-342 (14/23)

BOARD NO. 1-888-037-12
DPR-342_14

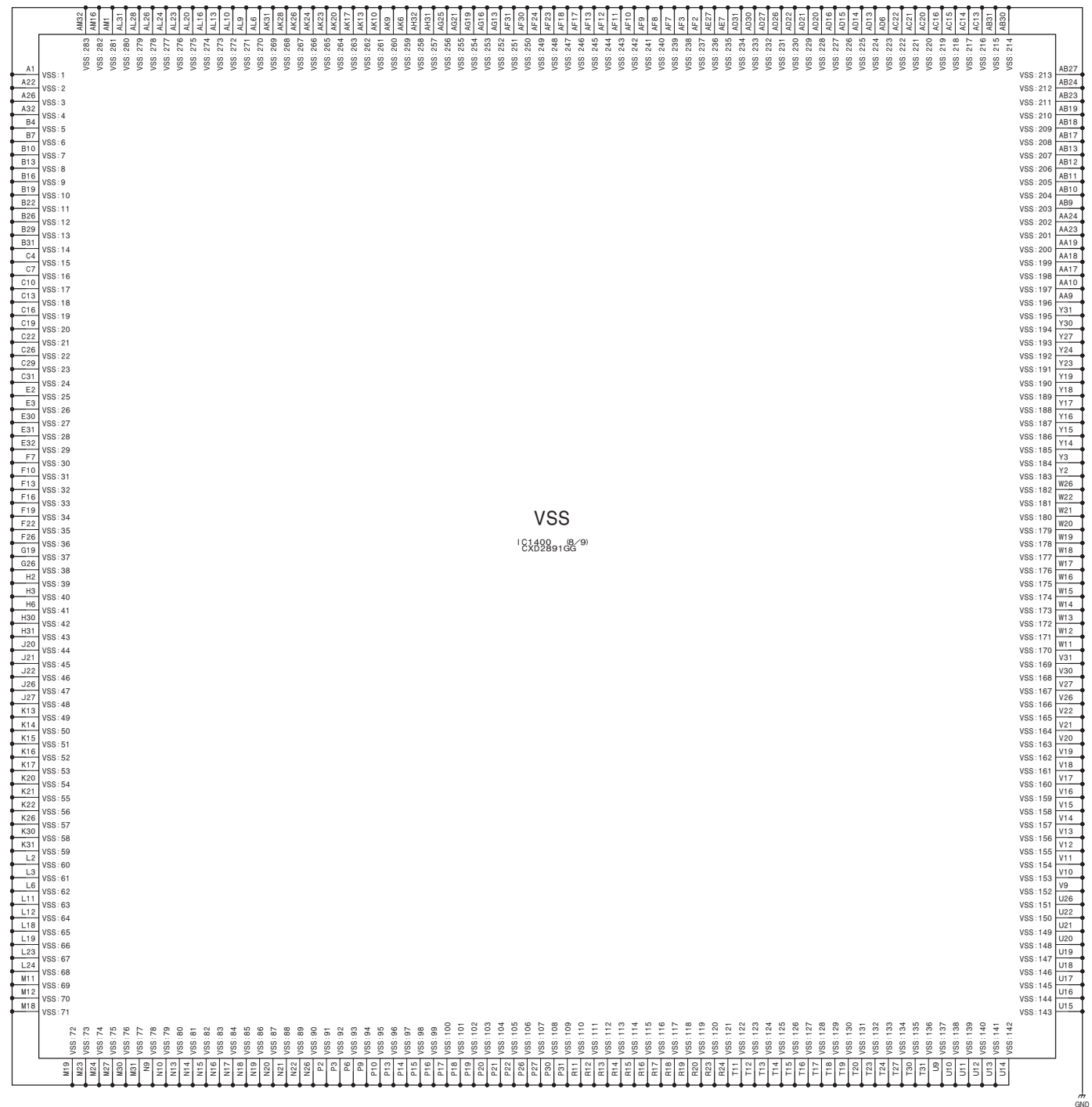
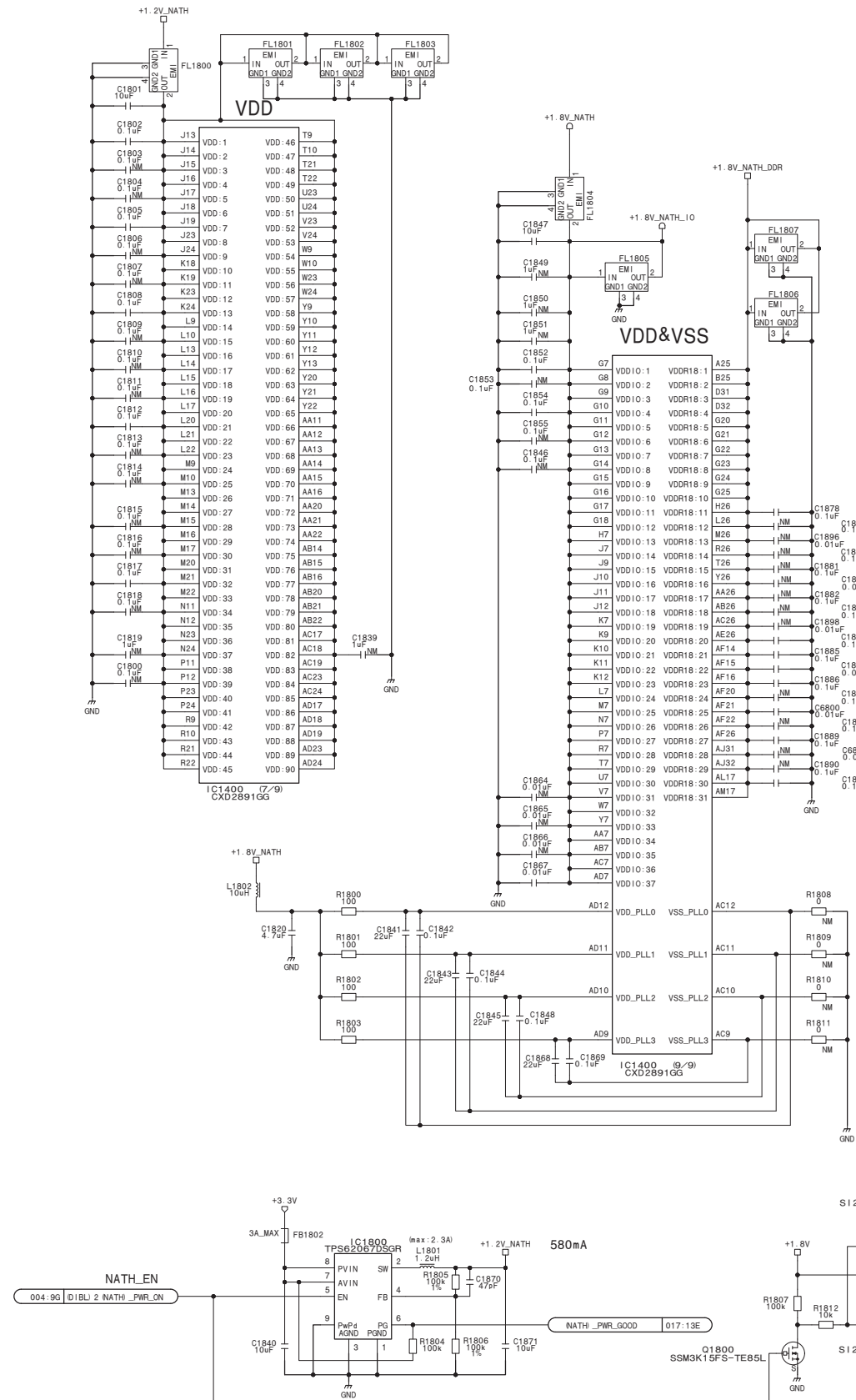




BOARD NO. 1-888-037-12
DPR-342_16



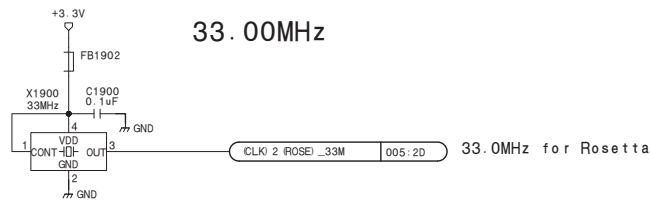
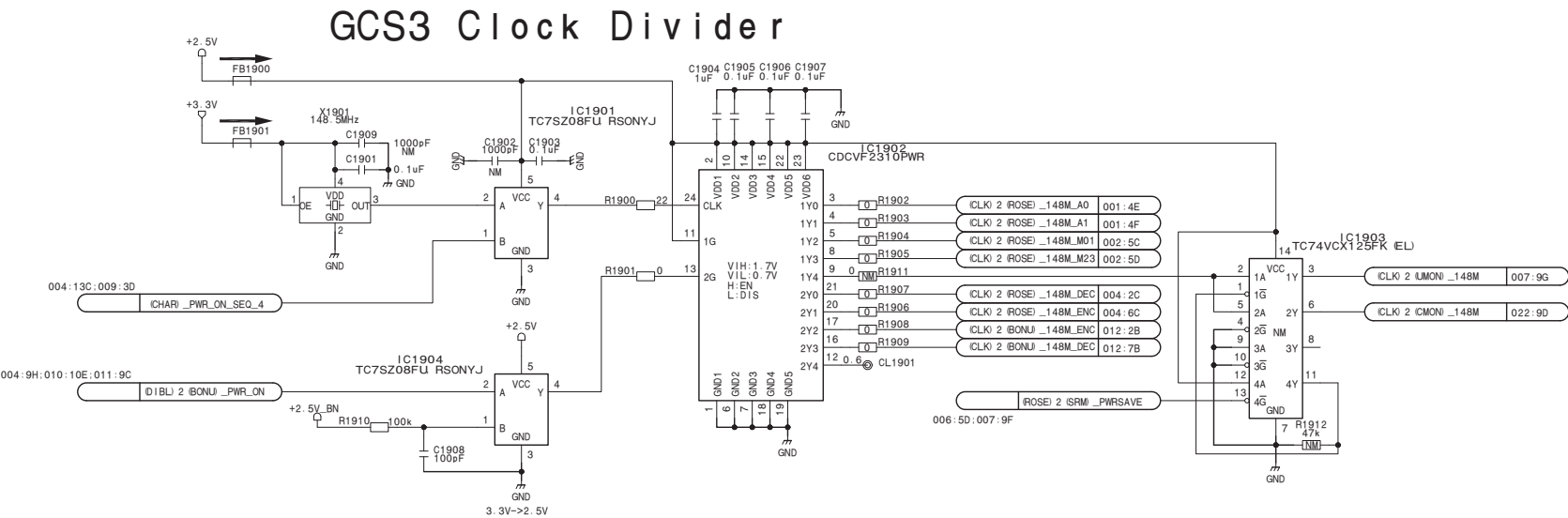
DPR-342 (18/23)



NATH (VDD&VSS)

DPR-342 (18/23)

BOARD NO. 1-888-037-12
DPR-342_18

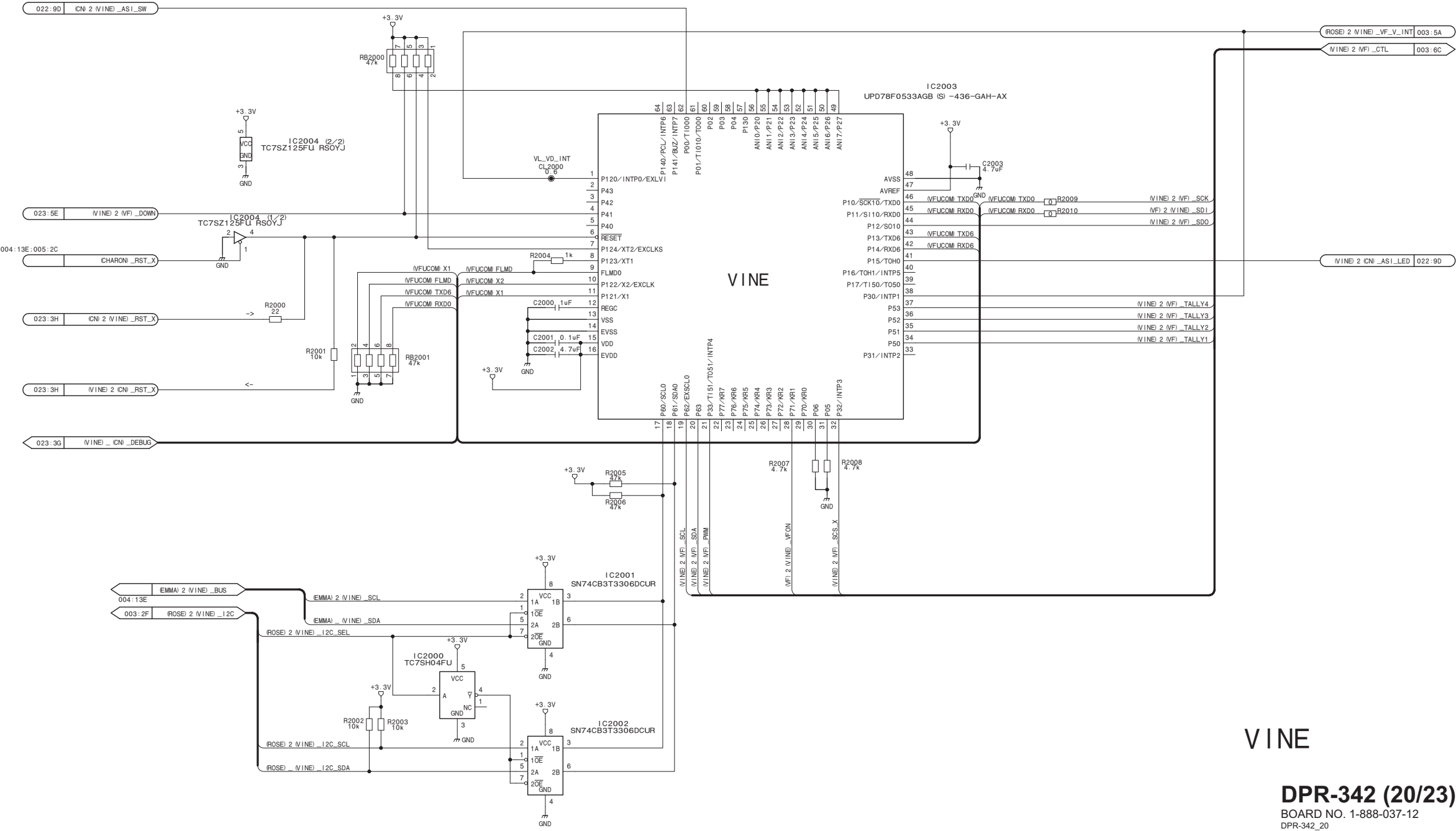


Clock Driver

DPR-342 (19/23)

BOARD NO. 1-888-037-12
DPR-342_19

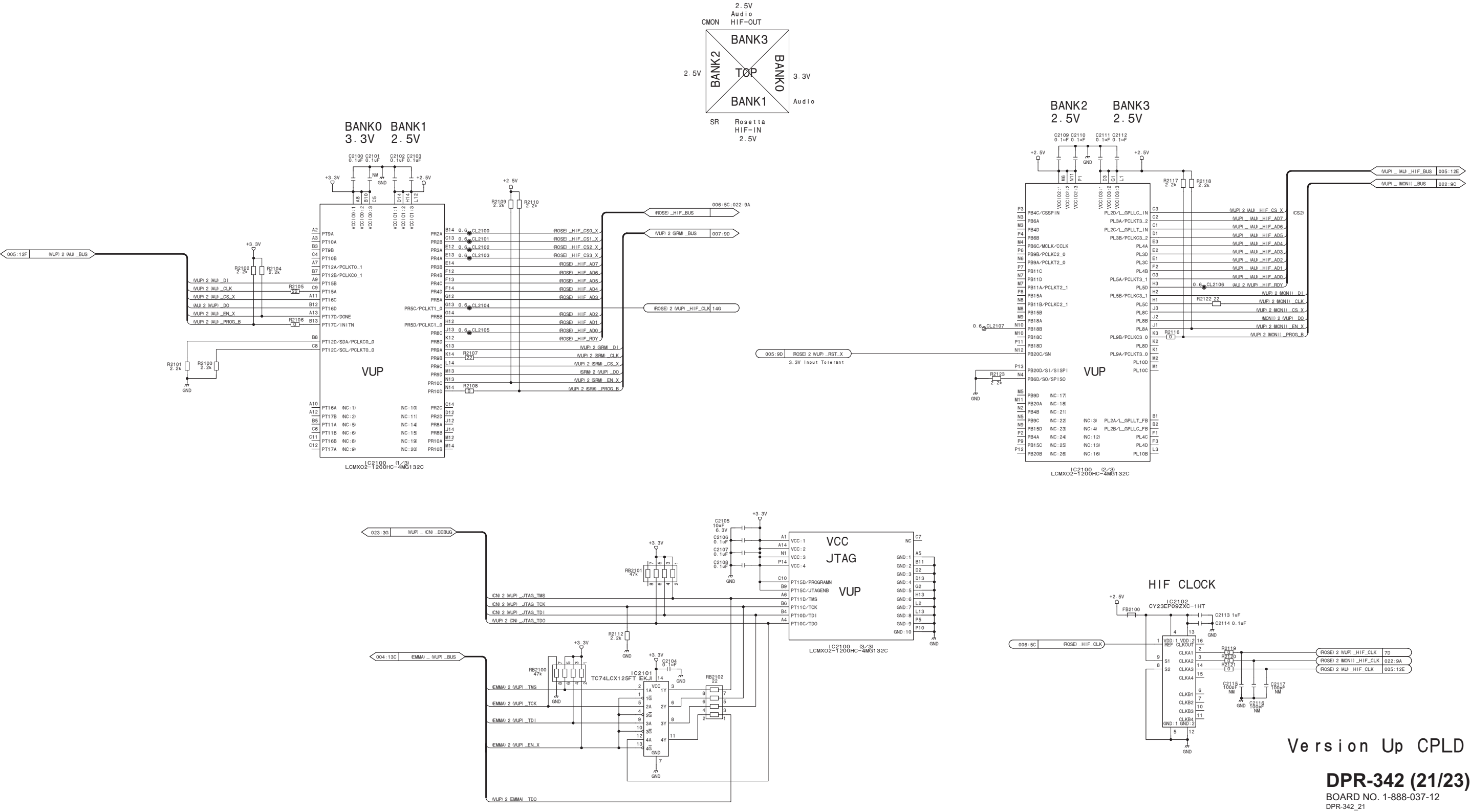
DPR-342 (20/23)

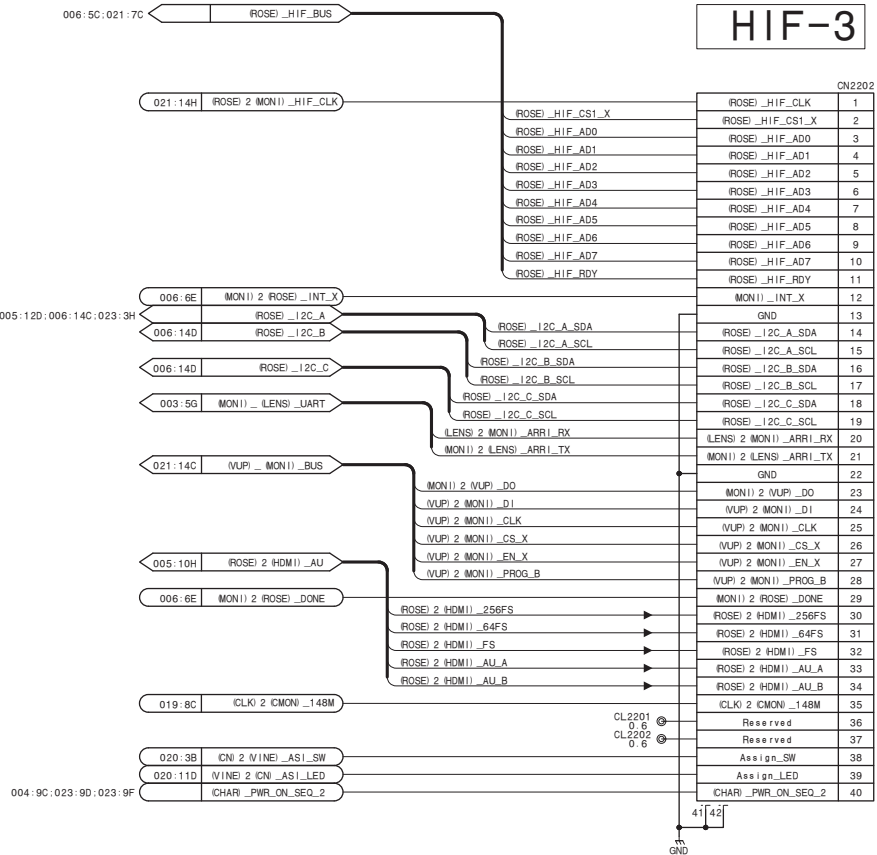
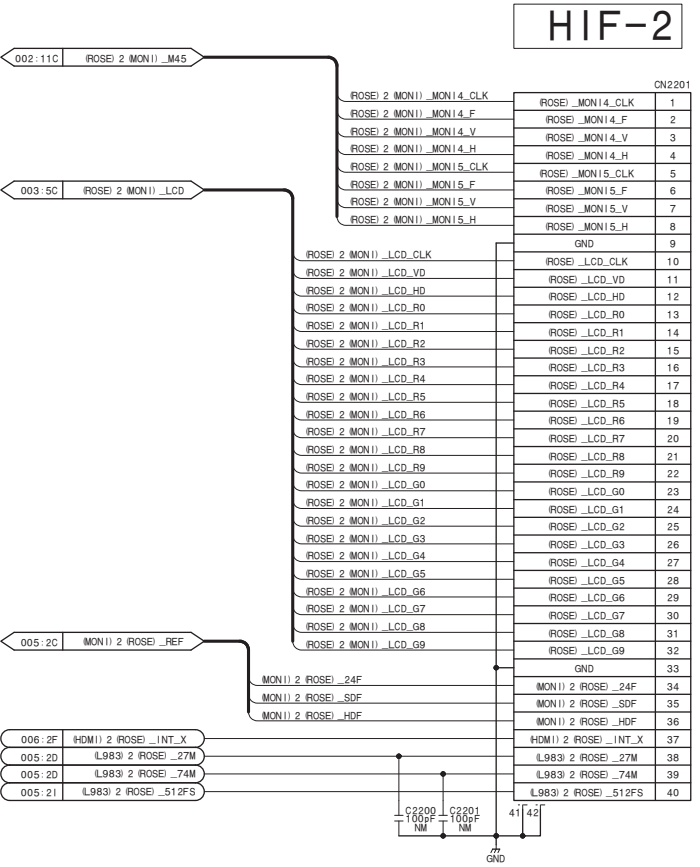
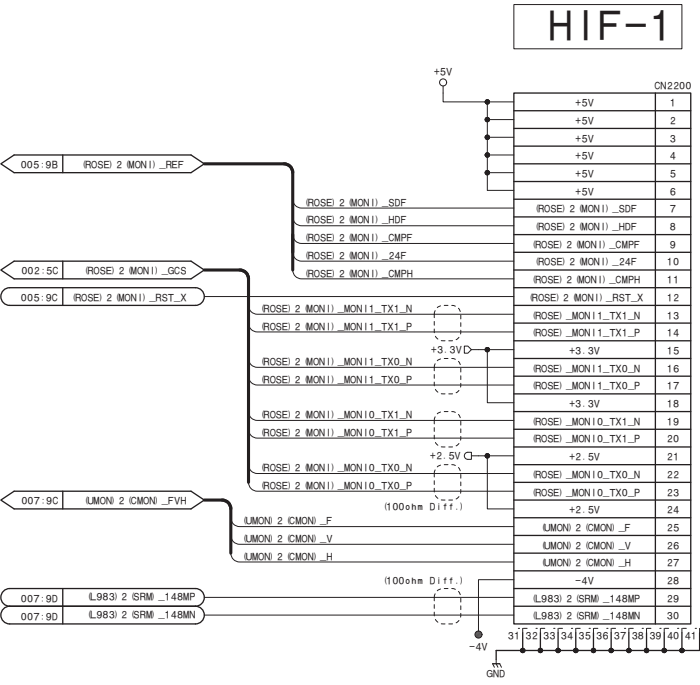


VINE

DPR-342 (20/23)

BOARD NO. 1-888-037-12
DPR-342_20

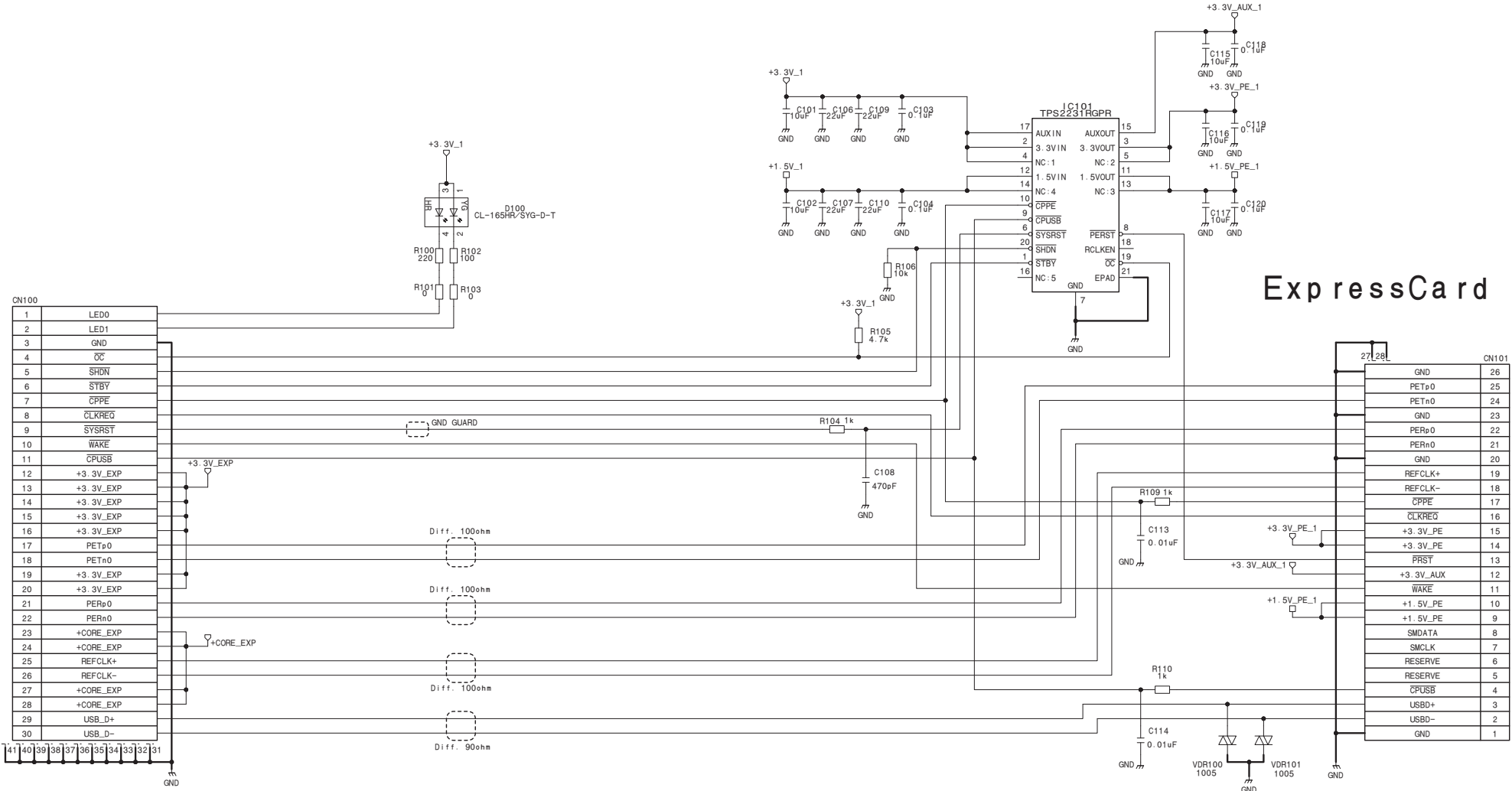




HIF I/F

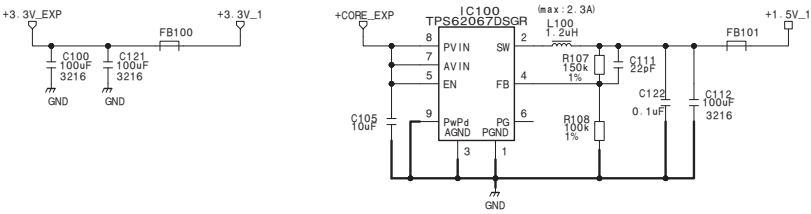
DPR-342 (22/23)
BOARD NO. 1-888-037-12
DPR-342_22

AVP-19



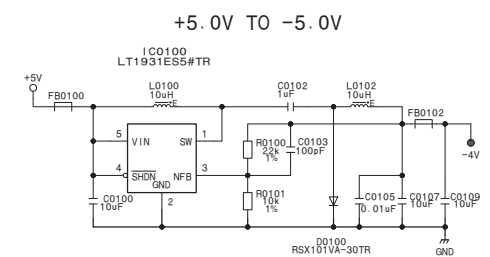
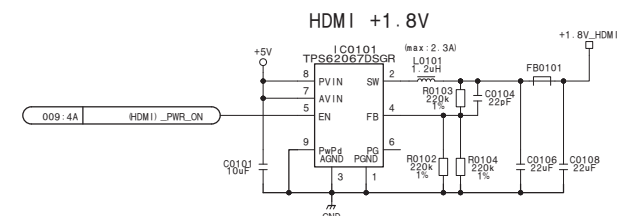
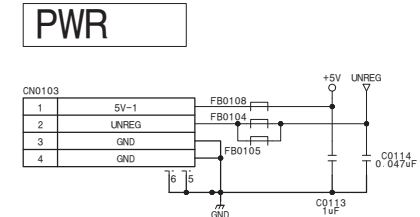
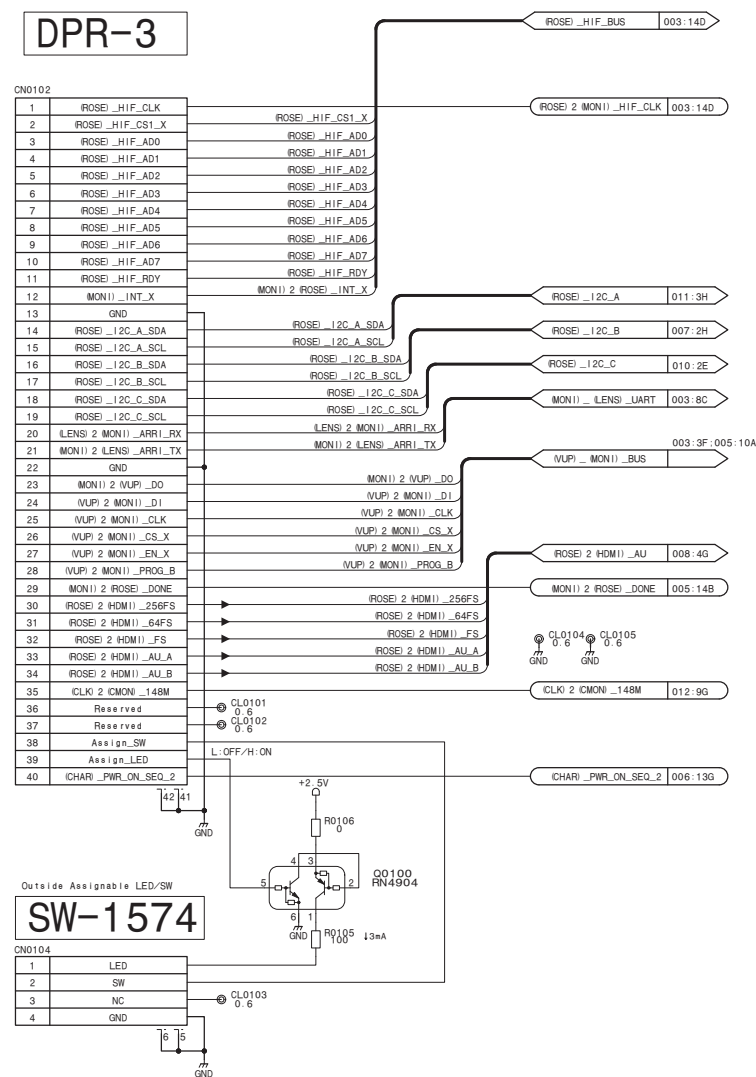
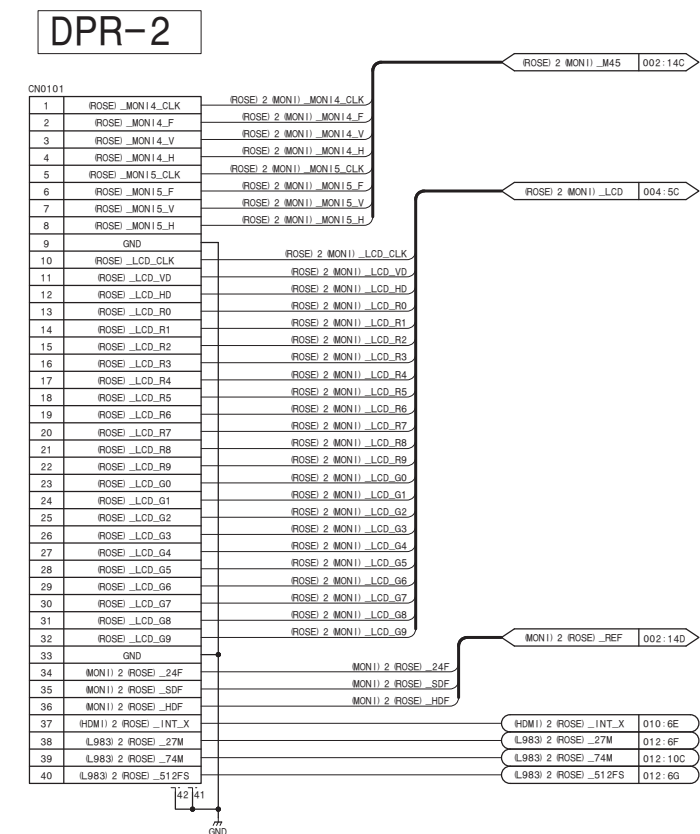
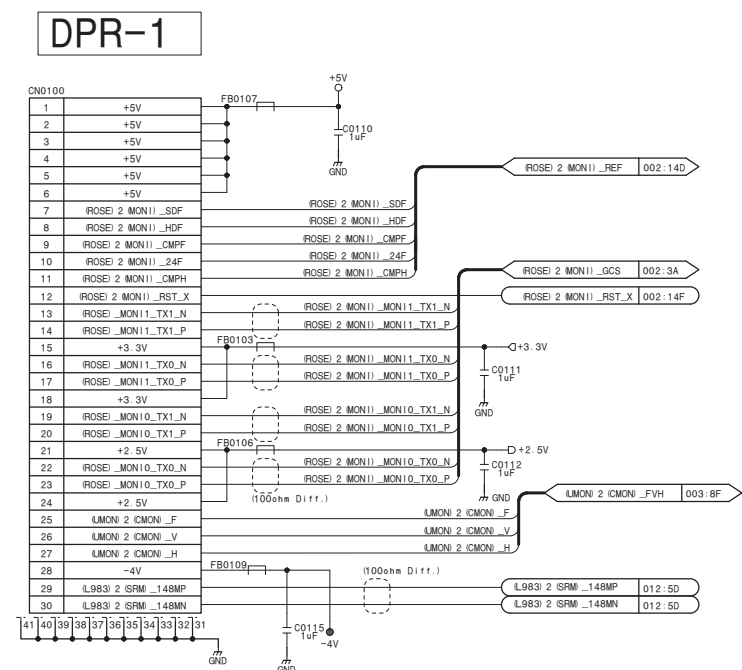
A B

SxS Core 1.5V



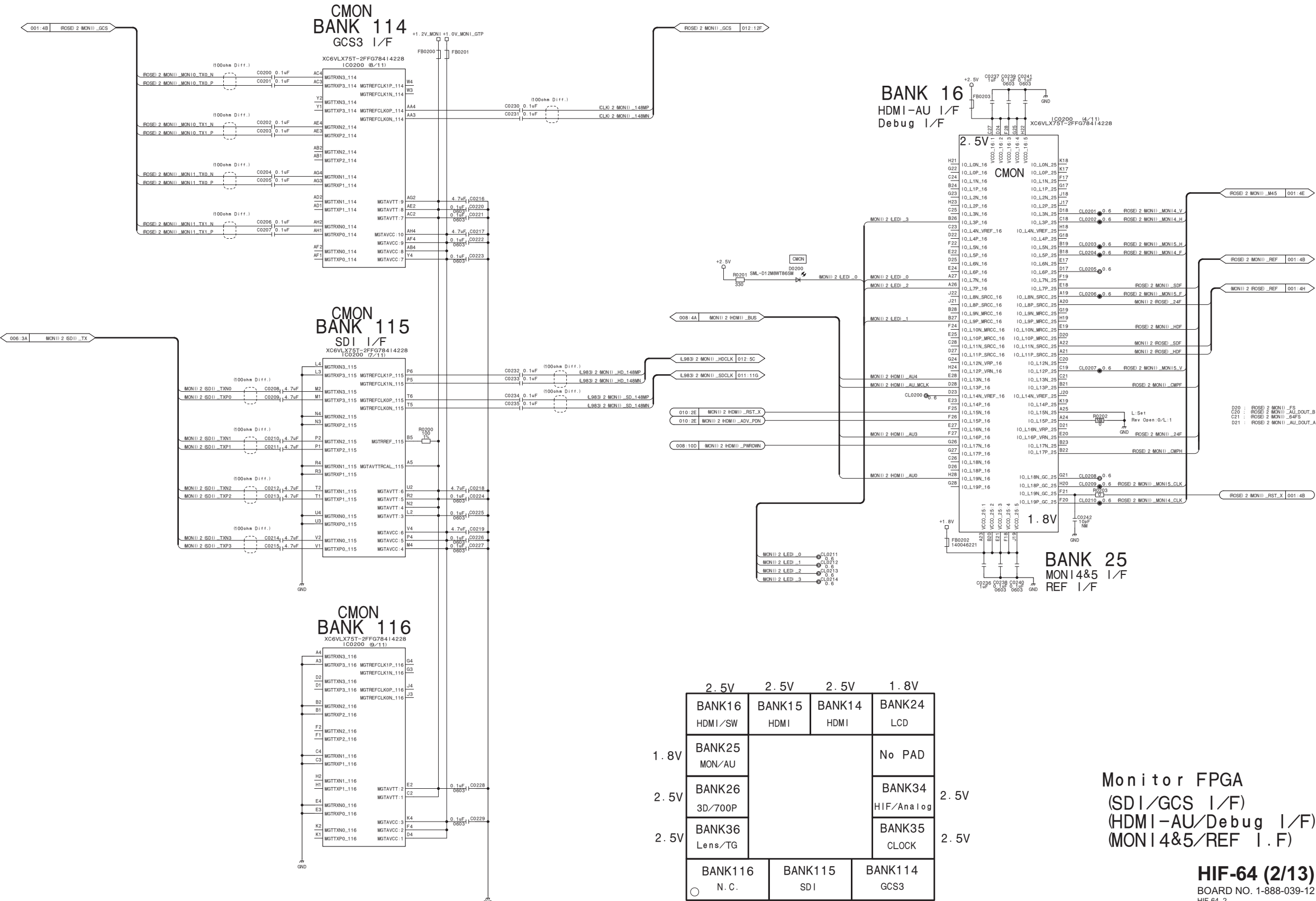
EC-74
BOARD NO. 1-888-038-11
EC-74_1

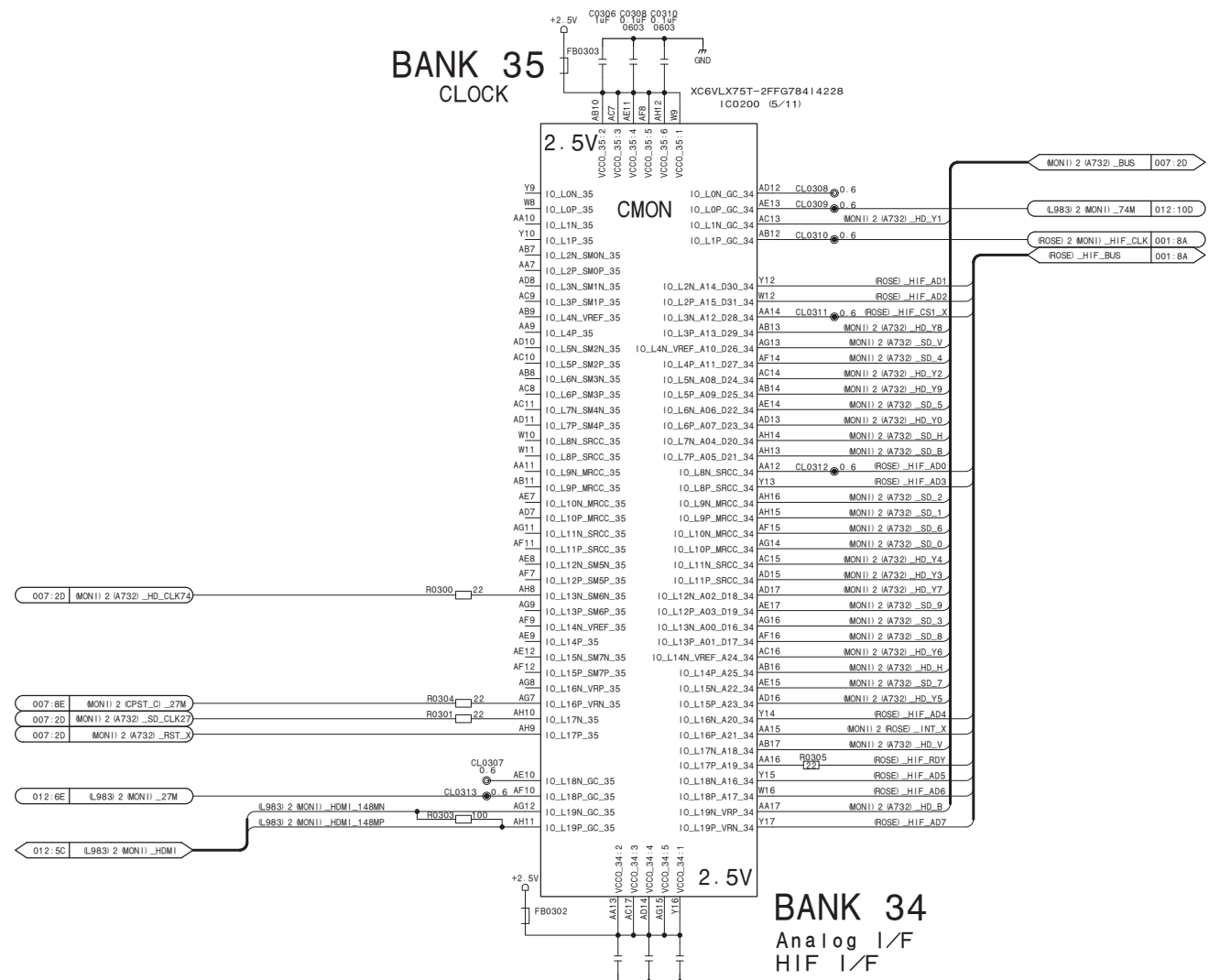
HIF-64
HIF-64 (1/13)



DPR IF/Power

HIF-64 (1/13)
BOARD NO. 1-888-039-12
HIF-64_1

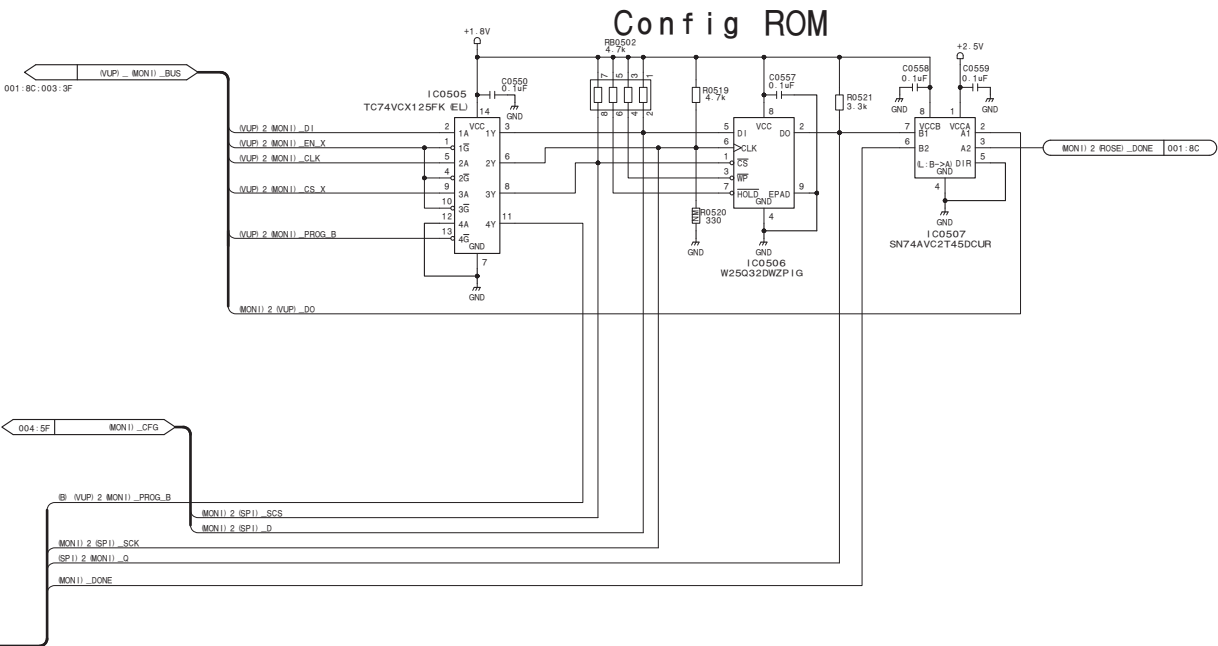
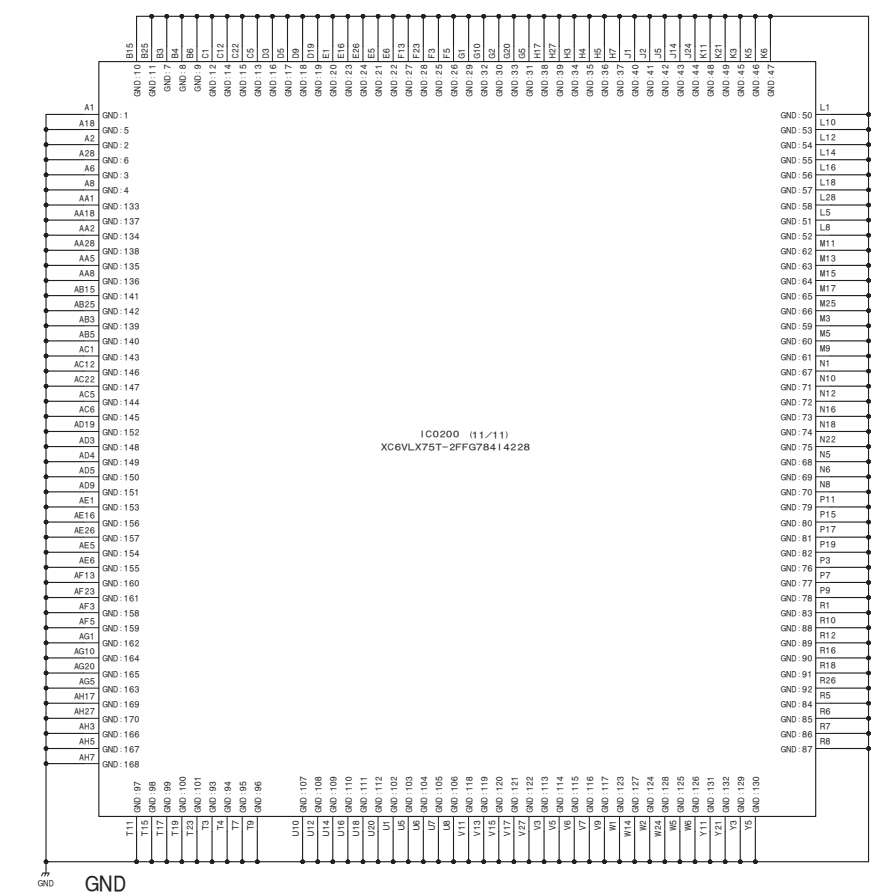
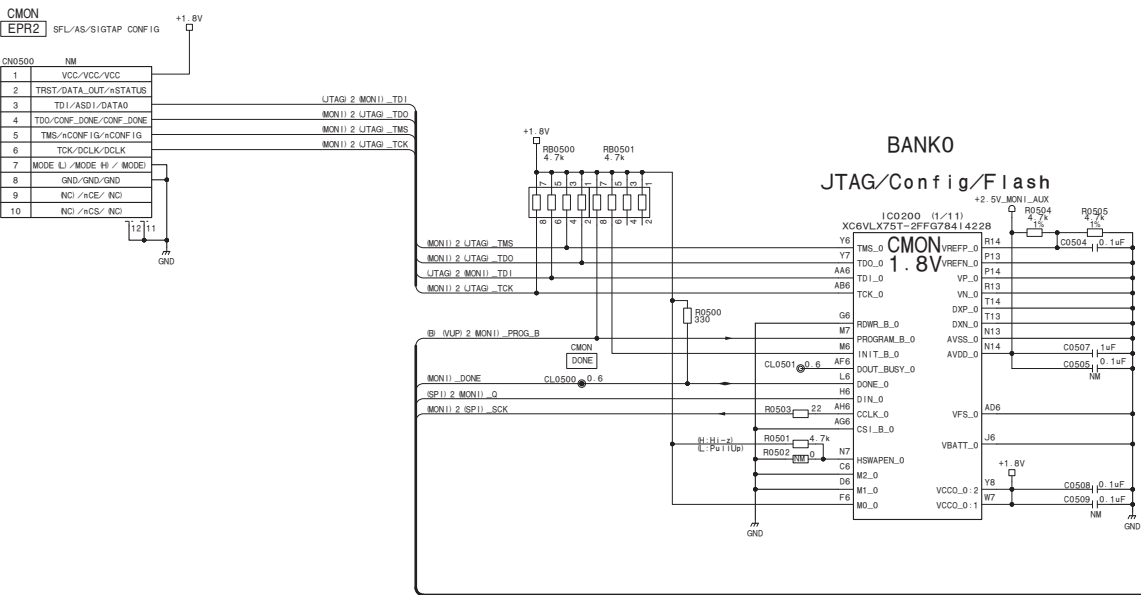




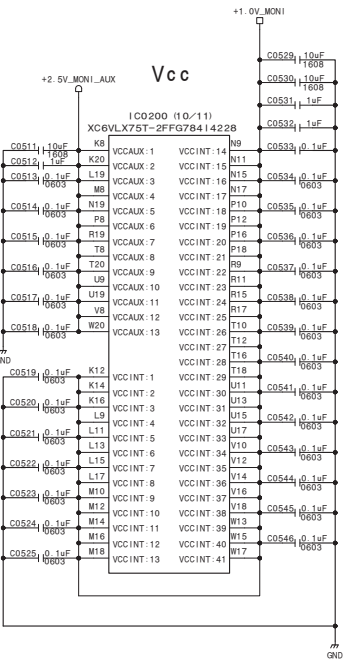
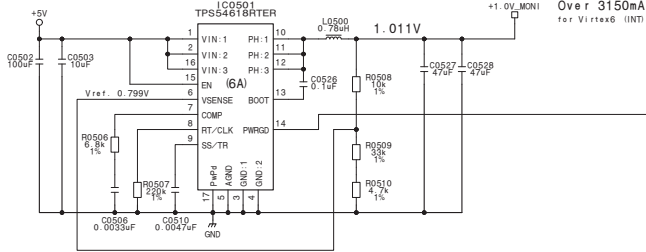
HIF-64 (3/13)
BOARD NO. 1-888-039-12
HIF-64_3



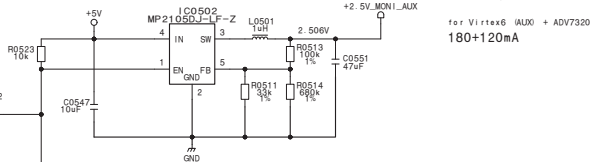
BOARD NO. 1-888-039-12
HIF-64_4



MONI Vcc +1.0V (6Amax) [1st Gp.]

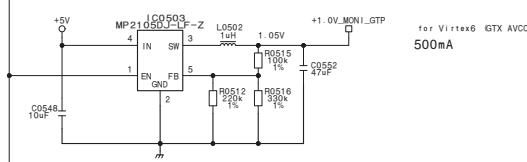


AUX +2.5V (0.8Amax)



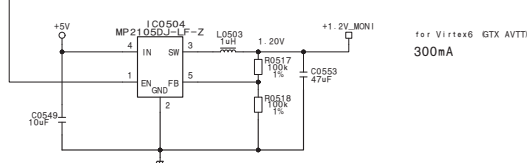
[2nd Gp.]

GTP Power +1.03V (0.8Amax)



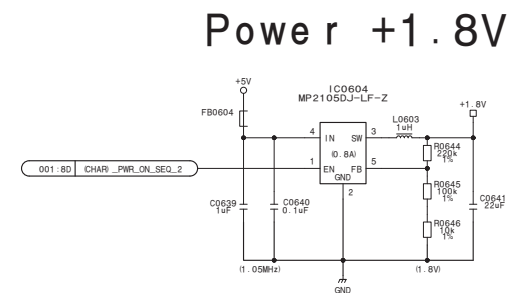
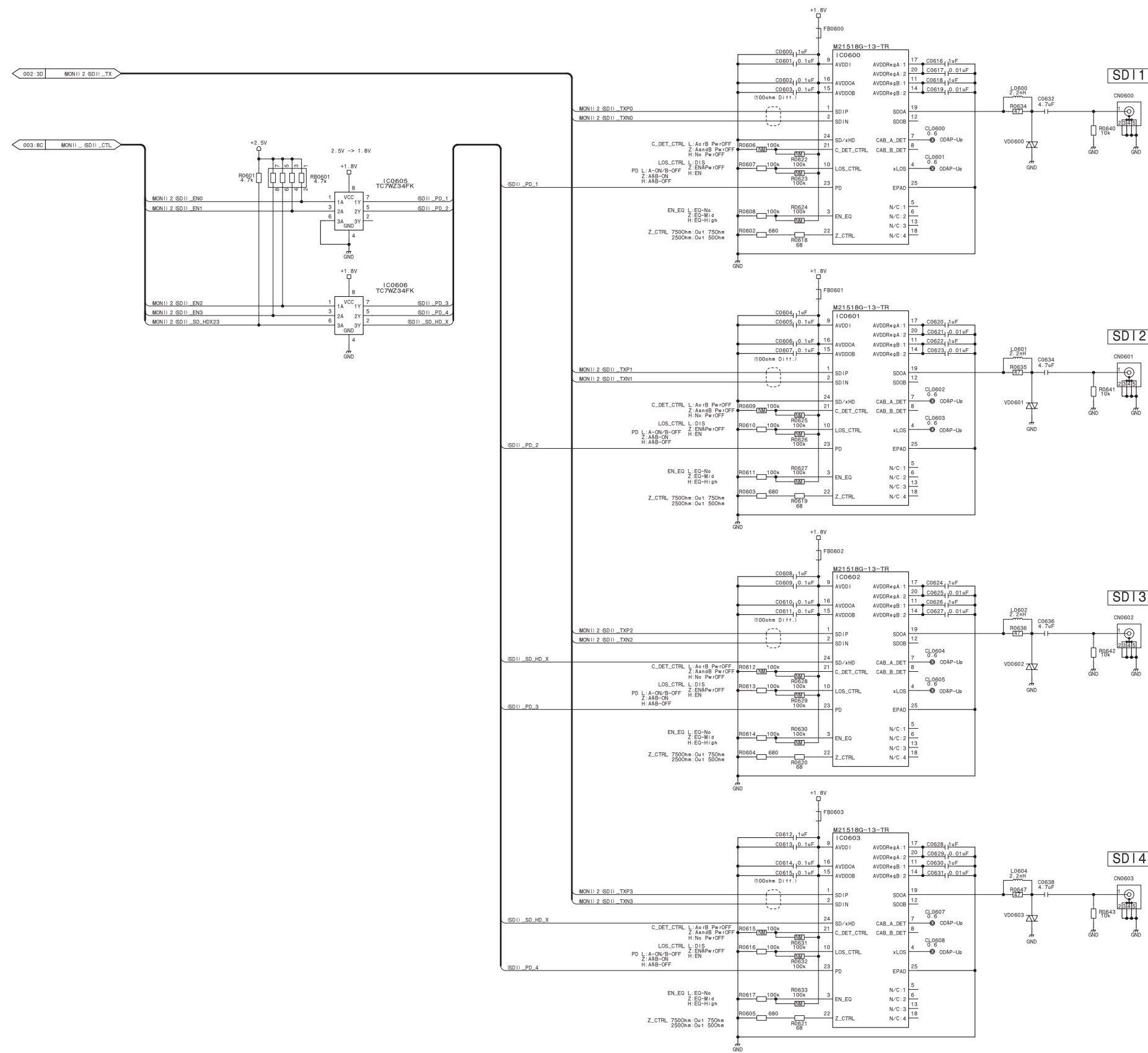
[2nd Gp.]

GTP Power +1.2V (0.8Amax)



[2nd Gp.]

Monitor FPGA
(JTAG/CONF I G/FLASH)
(Power)



Power +1.8V

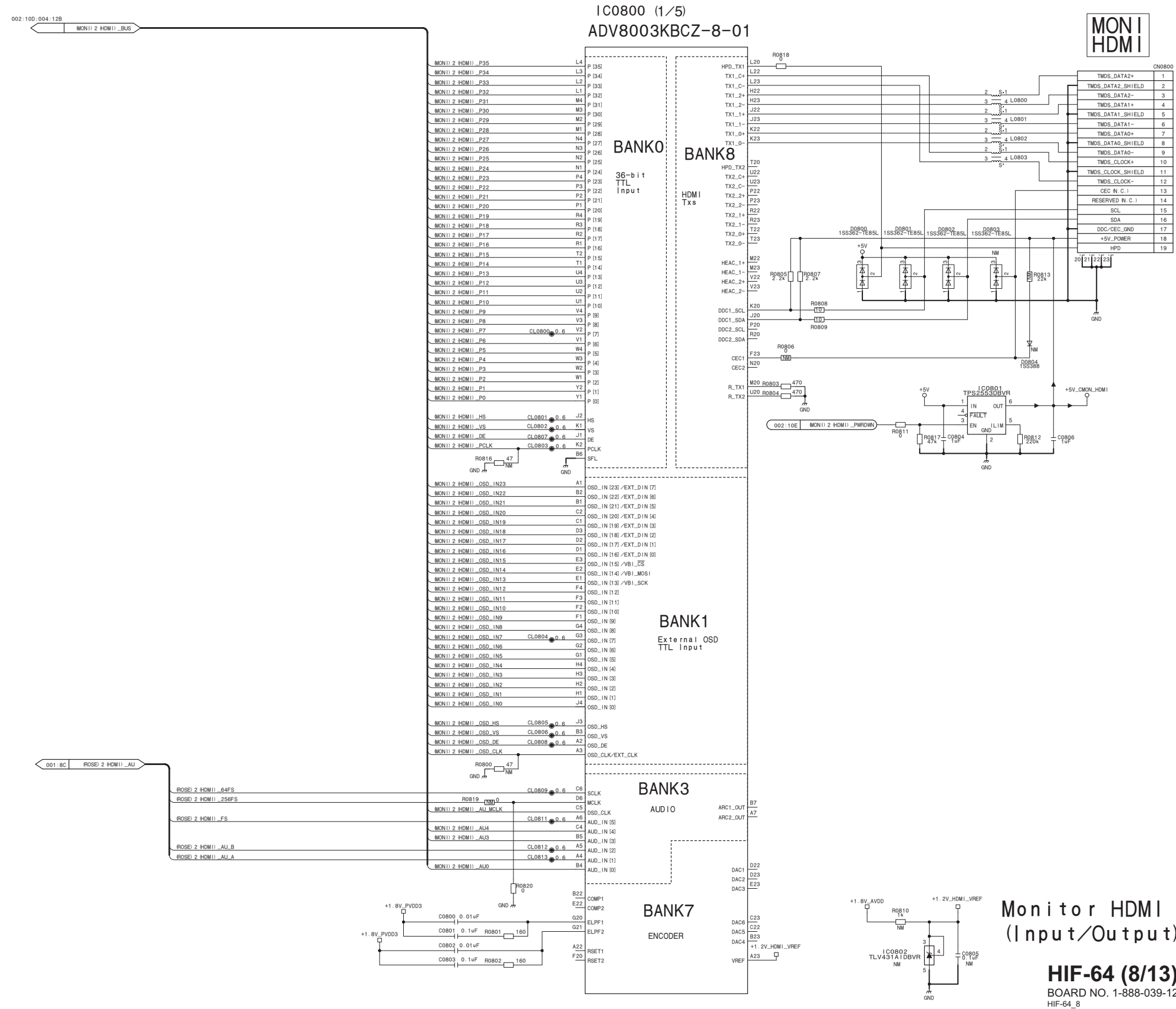
SD I I/F

HIF-64 (6/13)

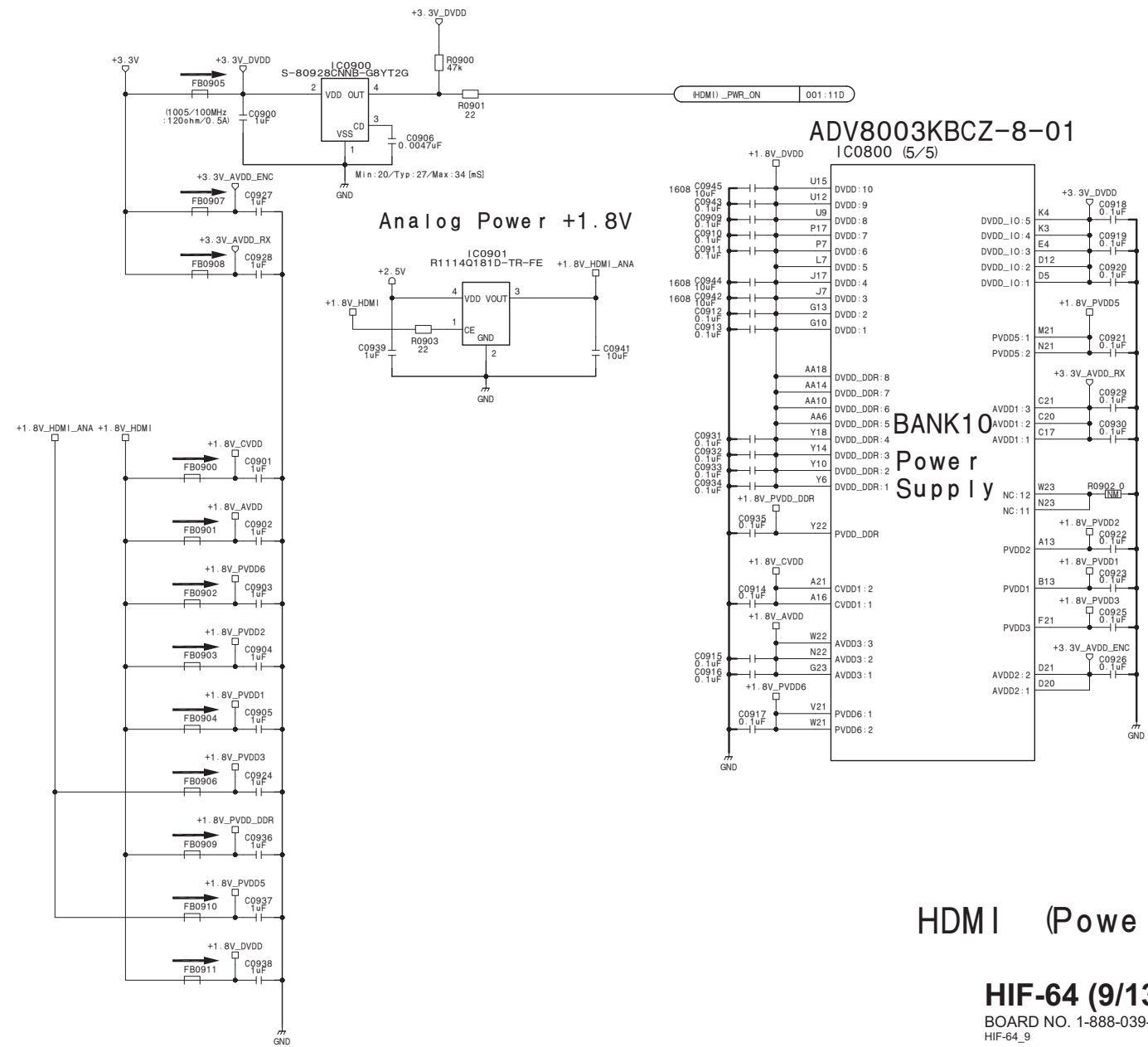
BOARD NO. 1-888-039-12
HIF-64_6

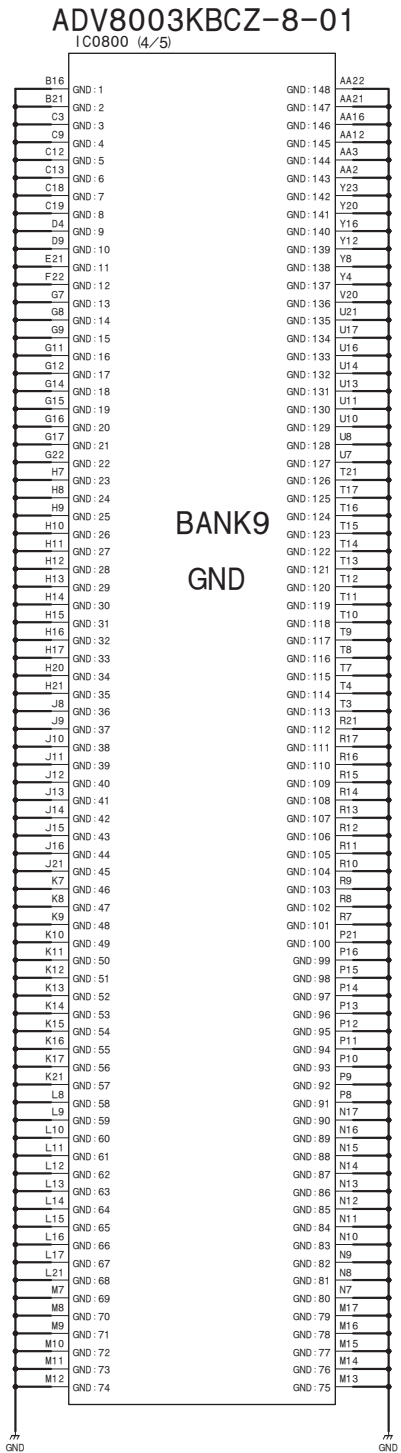
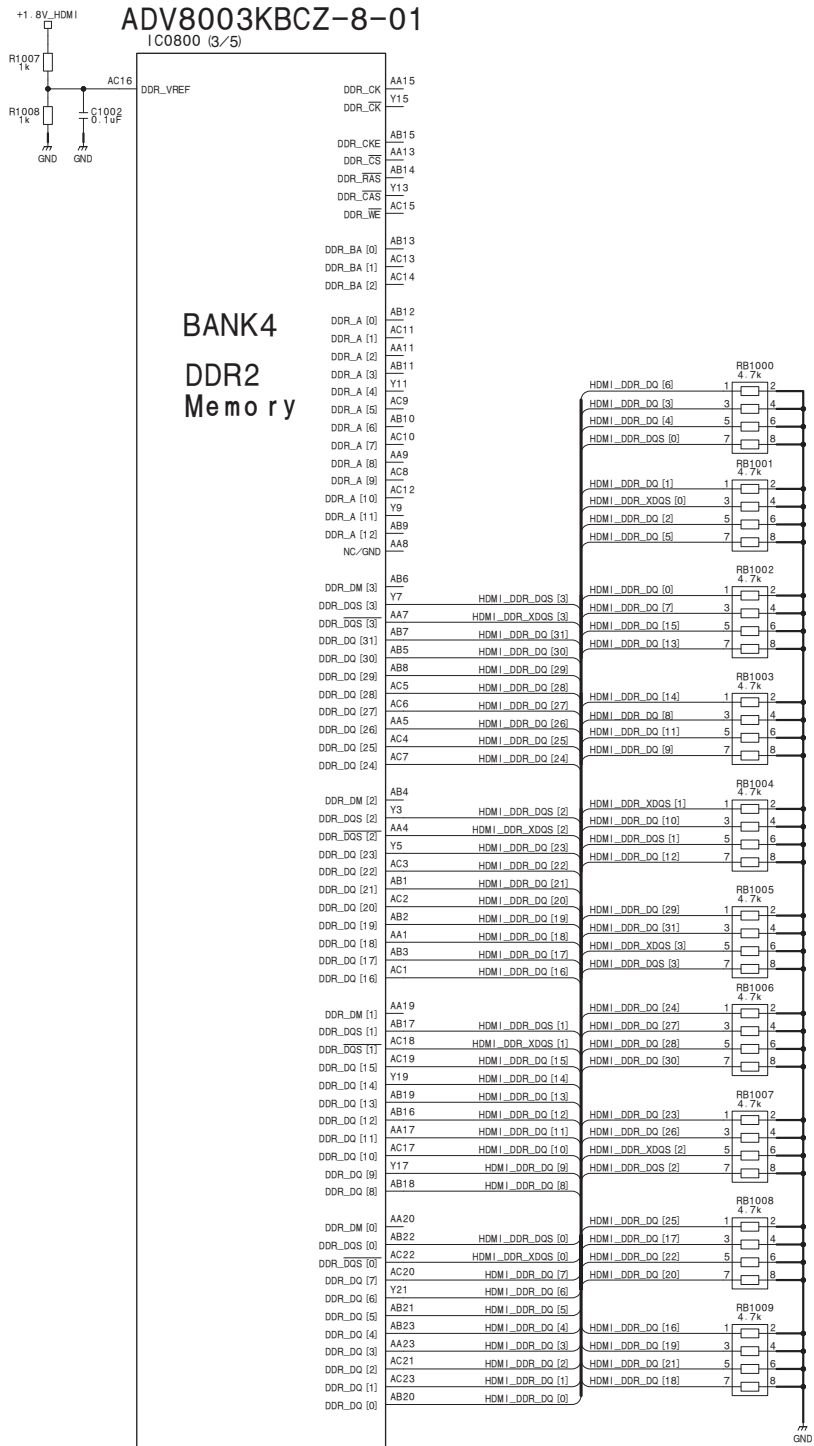
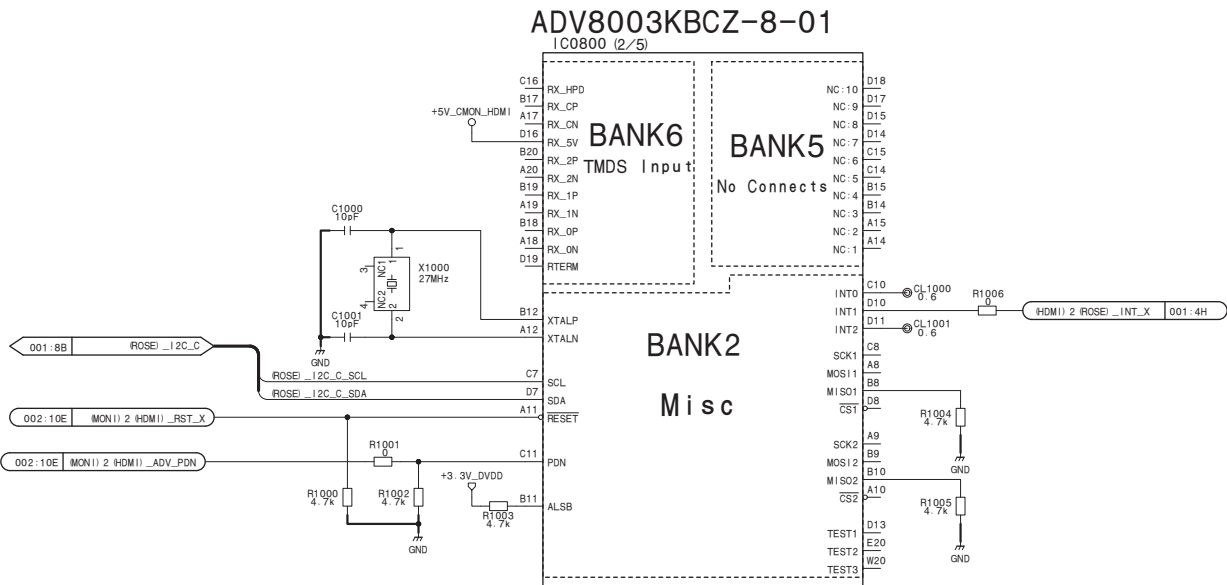


HIF-64 (8/13)



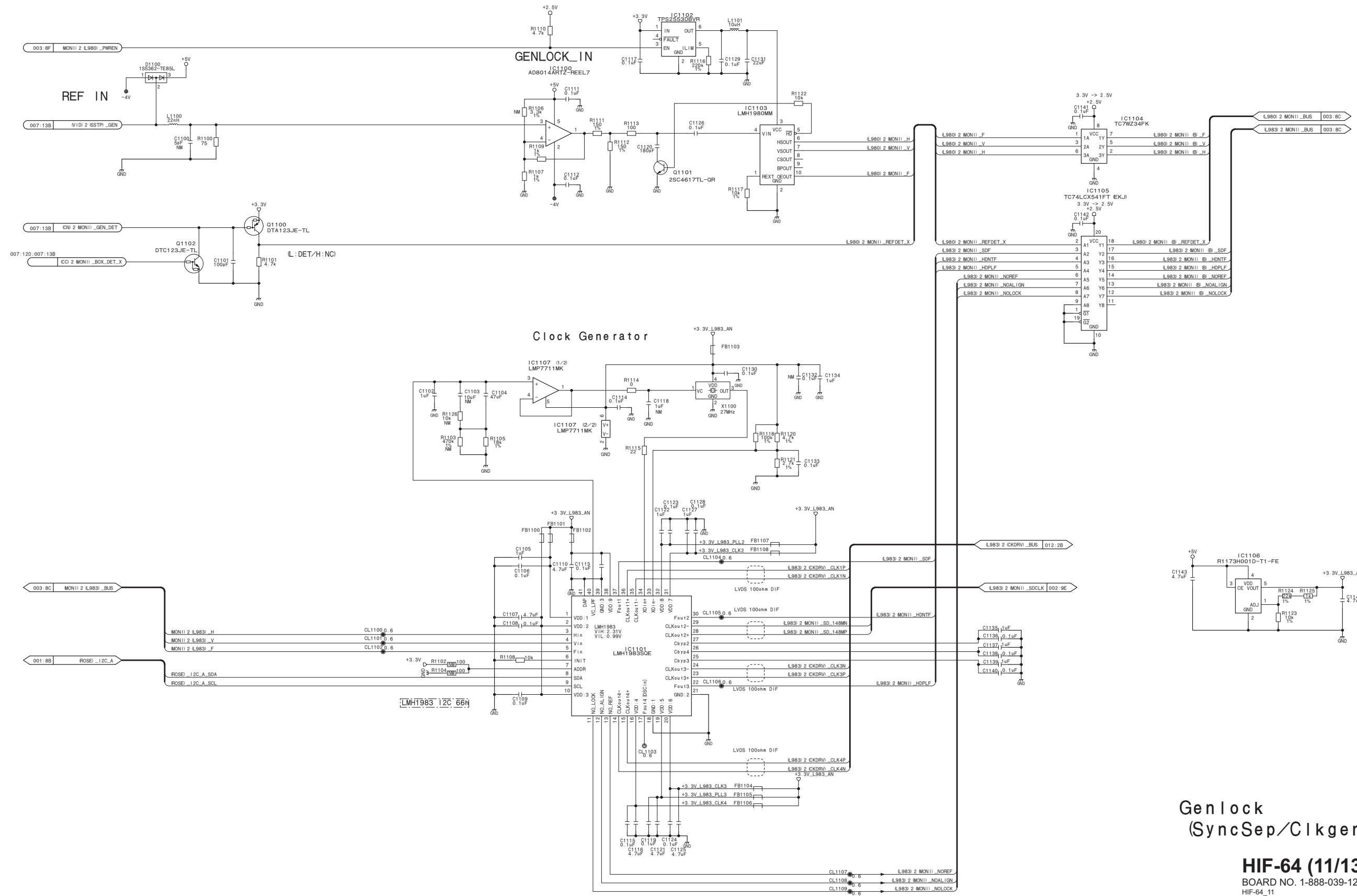
HIF-64 (9/13)



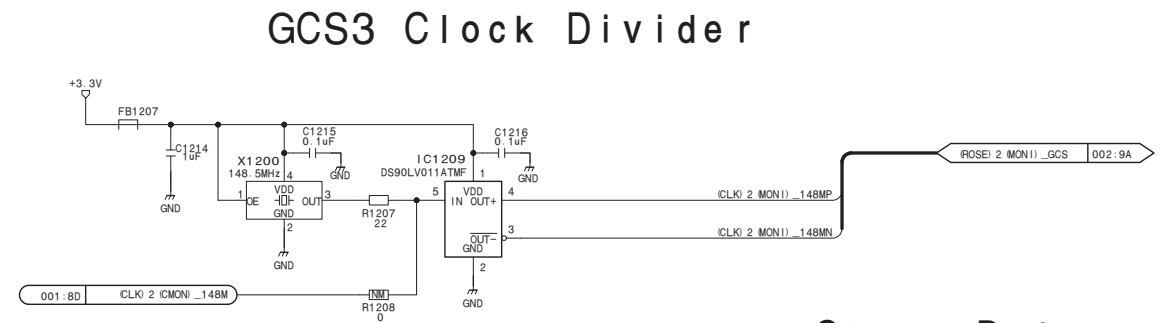


HDMI (Misc)
GND

HIF-64 (10/13)
BOARD NO. 1-888-039-12
HIF-64_10

HIF-64 (11/13)

Clock Driver





HN-400

DPR-324

CN100	
1	+2.5V
2	GND
3	OLPF_STATUS_1
4	OLPF_STATUS_0
5	GND
6	LENS_RX (Cooke)
7	LENS_TX (Cooke)
8	GND
9	LENS_RX (ARRI)
10	LENS_TX (ARRI)
11	LENS_RX (SONY)
12	LENS_TX (SONY)
13	ND_POS1_1
14	ND_POS1_0

RE-307

CN101	
1	UNREG
2	UNREG
3	+22V
4	+22V
5	GND
6	GND
7	GND
8	GND

IR-57

CN102	
1	LENS_RX_ (Cooke)
2	GND
3	LENS_TX_ (ARRI)
4	GND
5	+22V_ (ARRI)
6	+22V_ (ARRI)
7	+22V_ (ARRI)
8	GND
9	LENS_RX_ (ARRI)
10	GND
11	UNREG
12	UNREG
13	GND
14	LENS_TX_ (SONY)
15	LENS_RX_ (SONY)
16	GND
17	LENS_TX_ (COOKE)
18	GND
19	UNREG
20	UNREG

SE-1111

CN103	
1	+2.5V
2	GND
3	ND_POS1_0
4	ND_POS1_1

SE-1114

CN104	
1	+2.5V
2	GND
3	OLPF_STATUS_0
4	OLPF_STATUS_1
5	NC
6	NC

Lens I/F

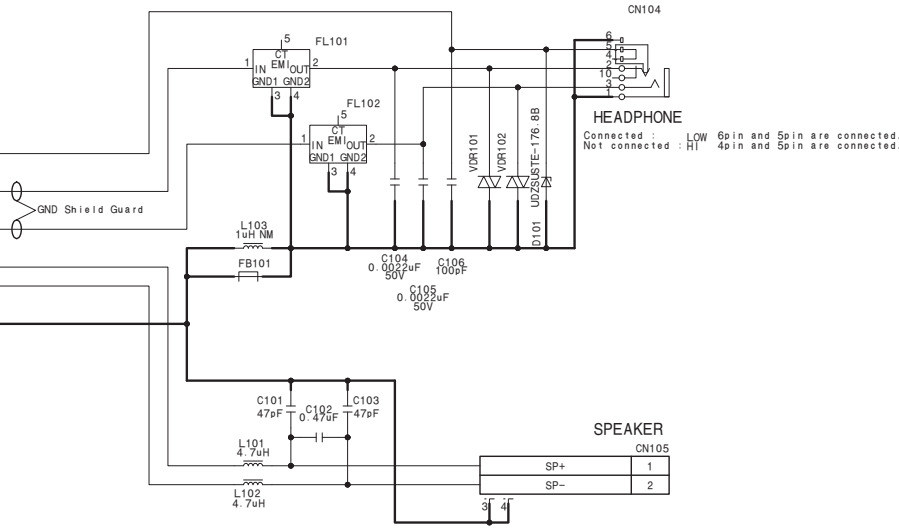
HN-400

BOARD NO. 1-888-040-11
HN-400_1

HP-161

APR-94

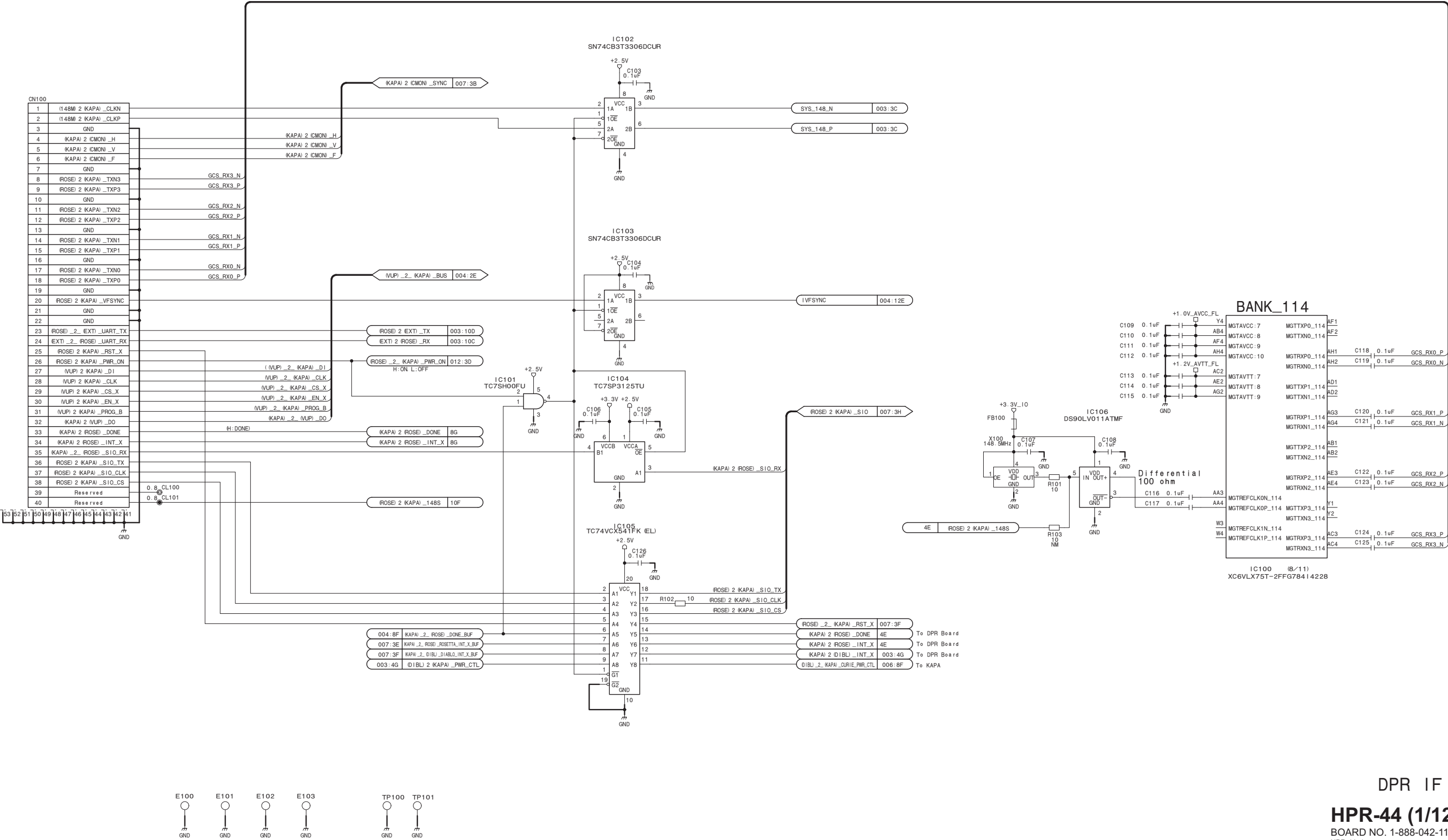
CN102	
8	JACK_DET
7	GND IL
6	ALL_PB_HP_L
5	GND RL
4	ALL_PB_HP_R
3	GND
2	ALL_PB_SP_+
1	ALL_PB_SP_-



Headphone/Speaker Connector

HP-161

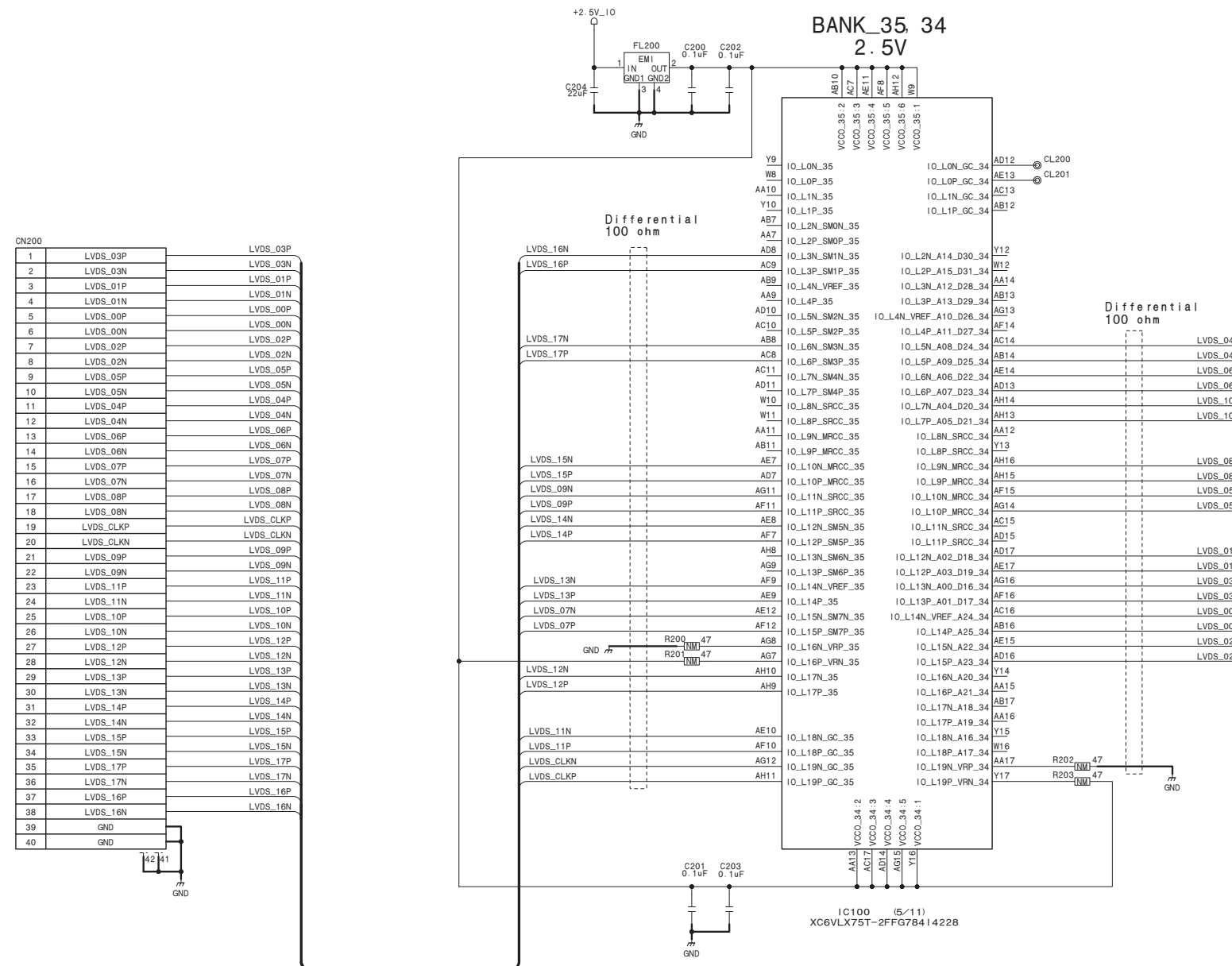
BOARD NO. 1-888-041-11
HP-161_1



DPR IF

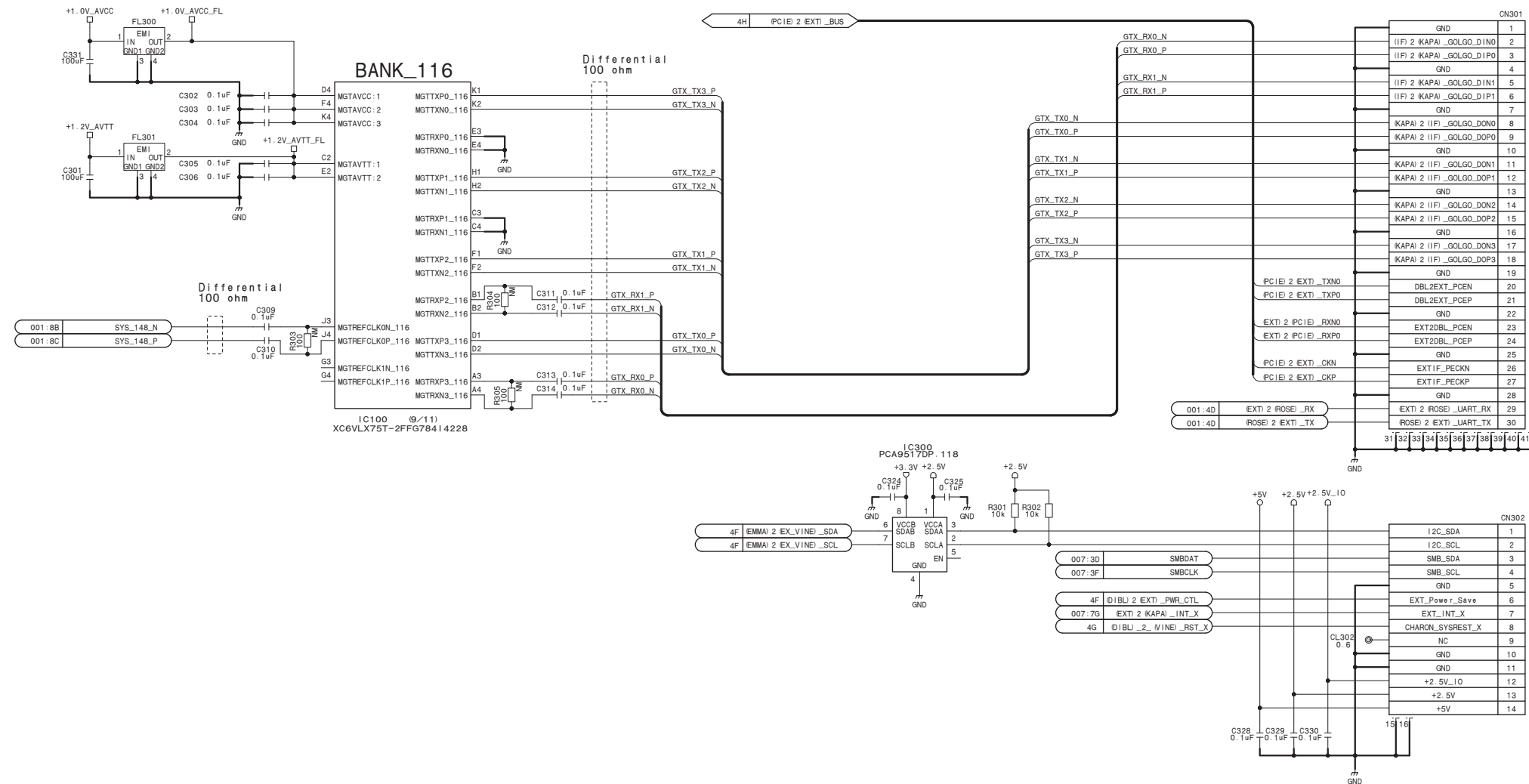
HPR-44 (1/12)
 BOARD NO. 1-888-042-11
 HPR-44_1

HPR-44 (2/12)

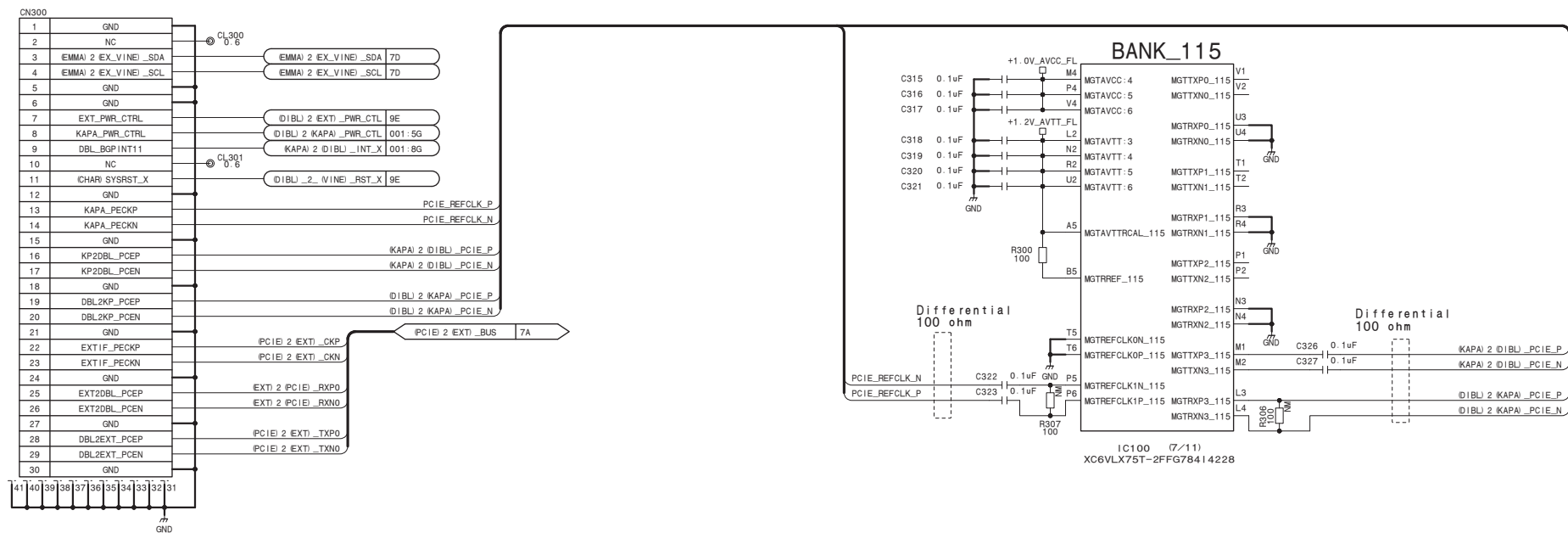


LVDS
HPR-44 (2/12)
BOARD NO. 1-888-042-11
HPR-44_2

HPR-44 (3/12)



KEL 0.5mm



GOLGO 5.94Gbps
AVP IF
PCI EXPRESS

HPR-44 (3/12)

BOARD NO. 1-888-042-11
HPR-44_3

Config ROM

JTAG/Config/Flash

BANK_0 1.8V

BANK_24 1.8V

IC100 (1/11) XC6VLX75T-2FFG78414228

IC400 TC74VCX125FK (EL)

IC401 W25Q32DWZPIG

IC402 SN74AVC2T45DCUR

IC100 (6/11) XC6VLX75T-2FFG78414228

FPGA CONTROL

FPGA CONFIG

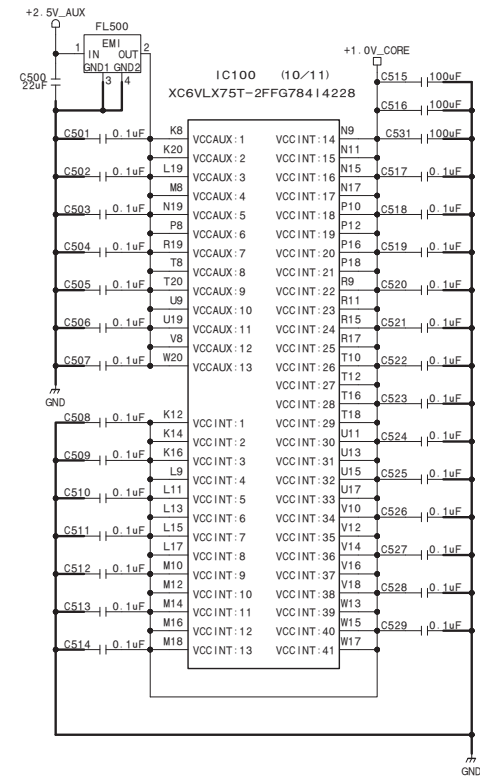
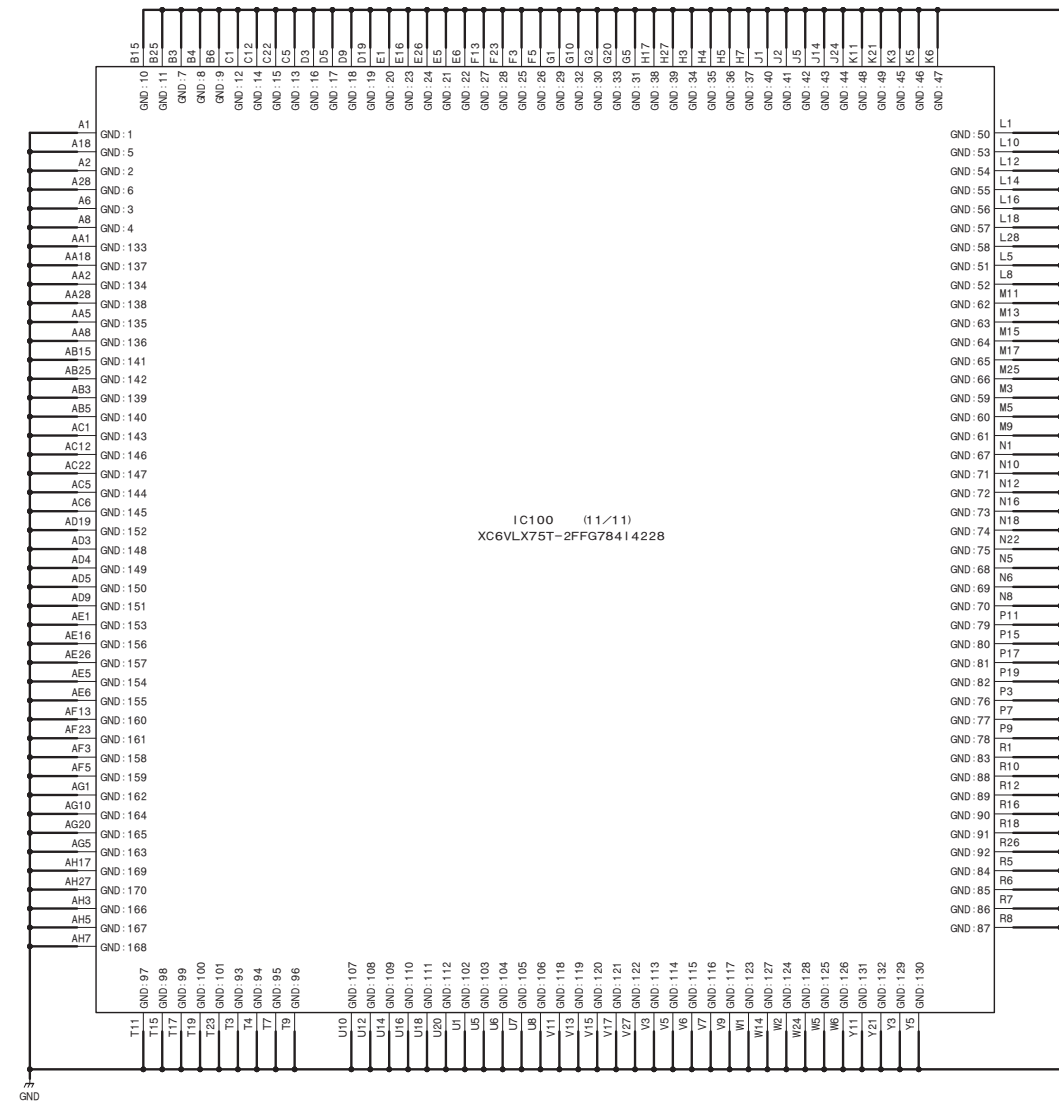
VUP

HPR-44 (4/12)

BOARD NO. 1.898.042.11

HPR-44 (4/12)
BOARD NO. 1-888-042-11
HPR-44_4

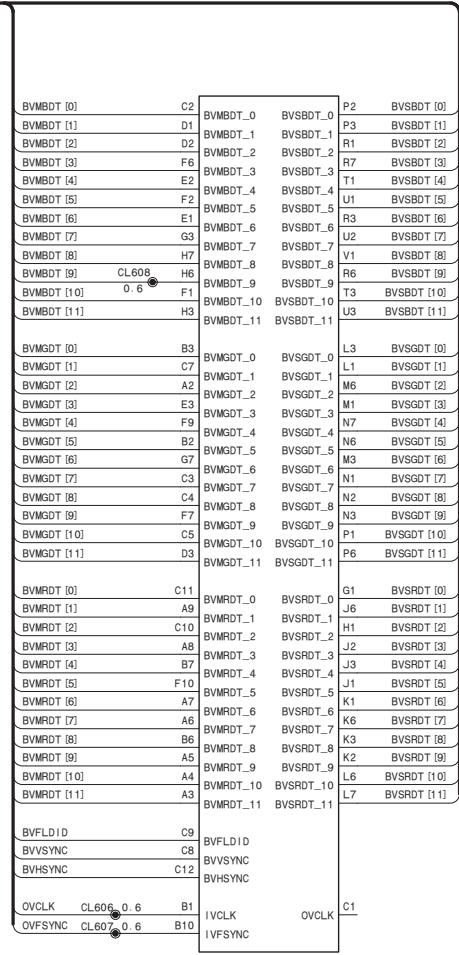
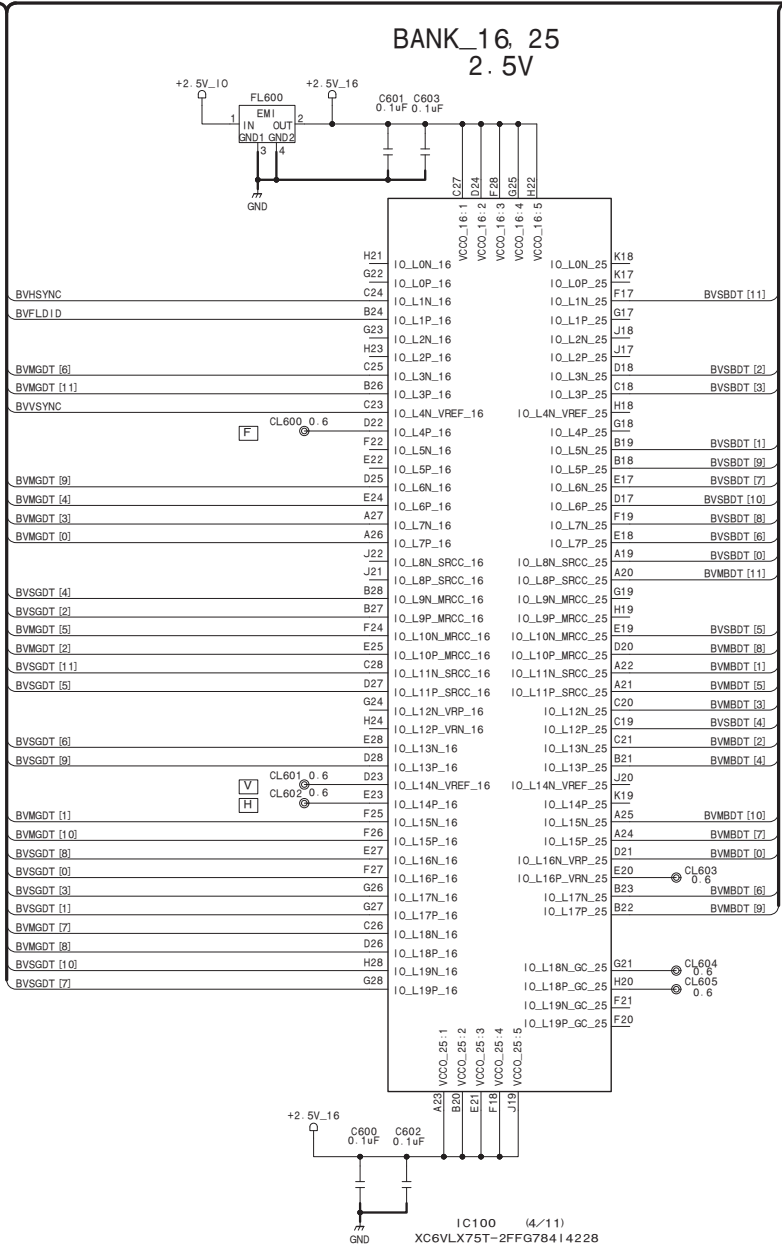
HPR-44 (5/12)



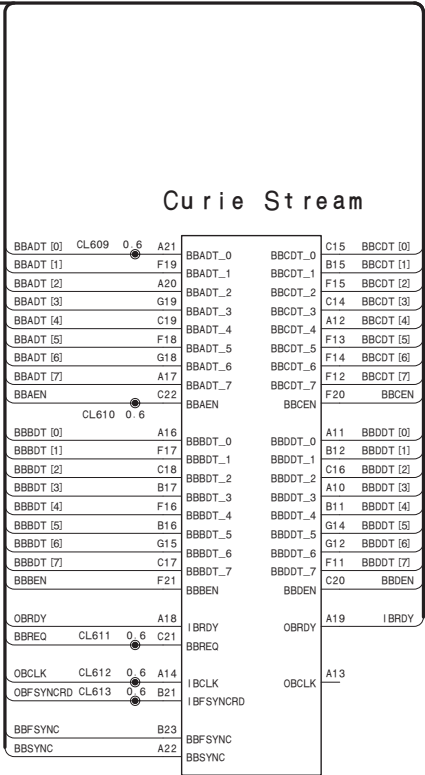
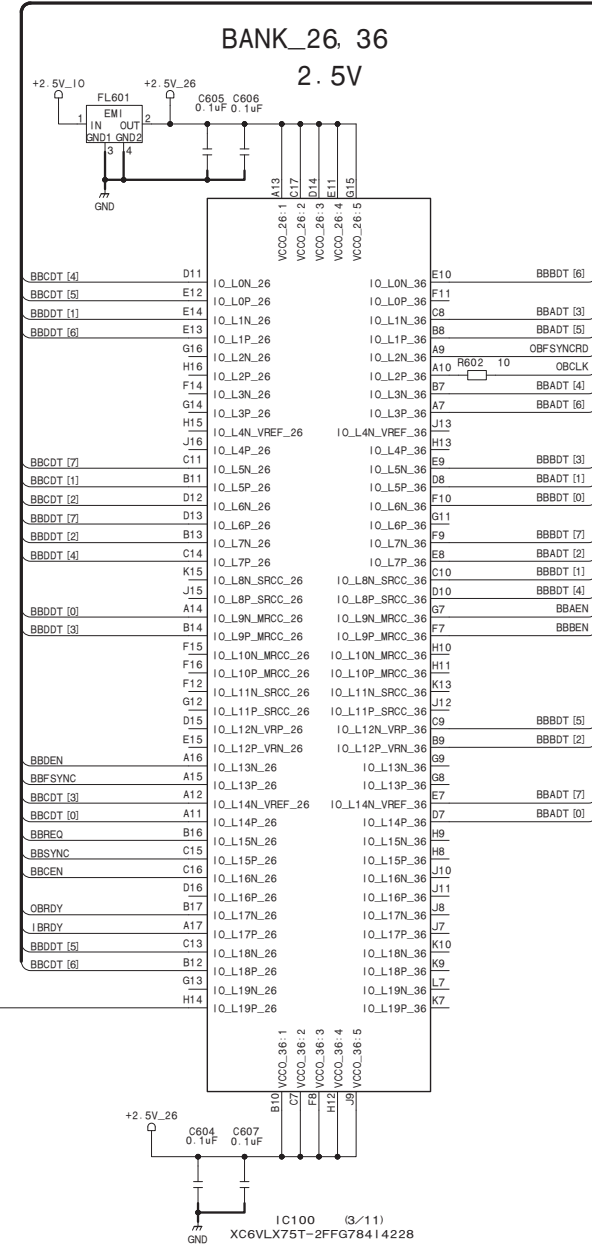
FPGA POWER

HPR-44 (5/12)

BOARD NO. 1-888-042-11
HPR-44_5

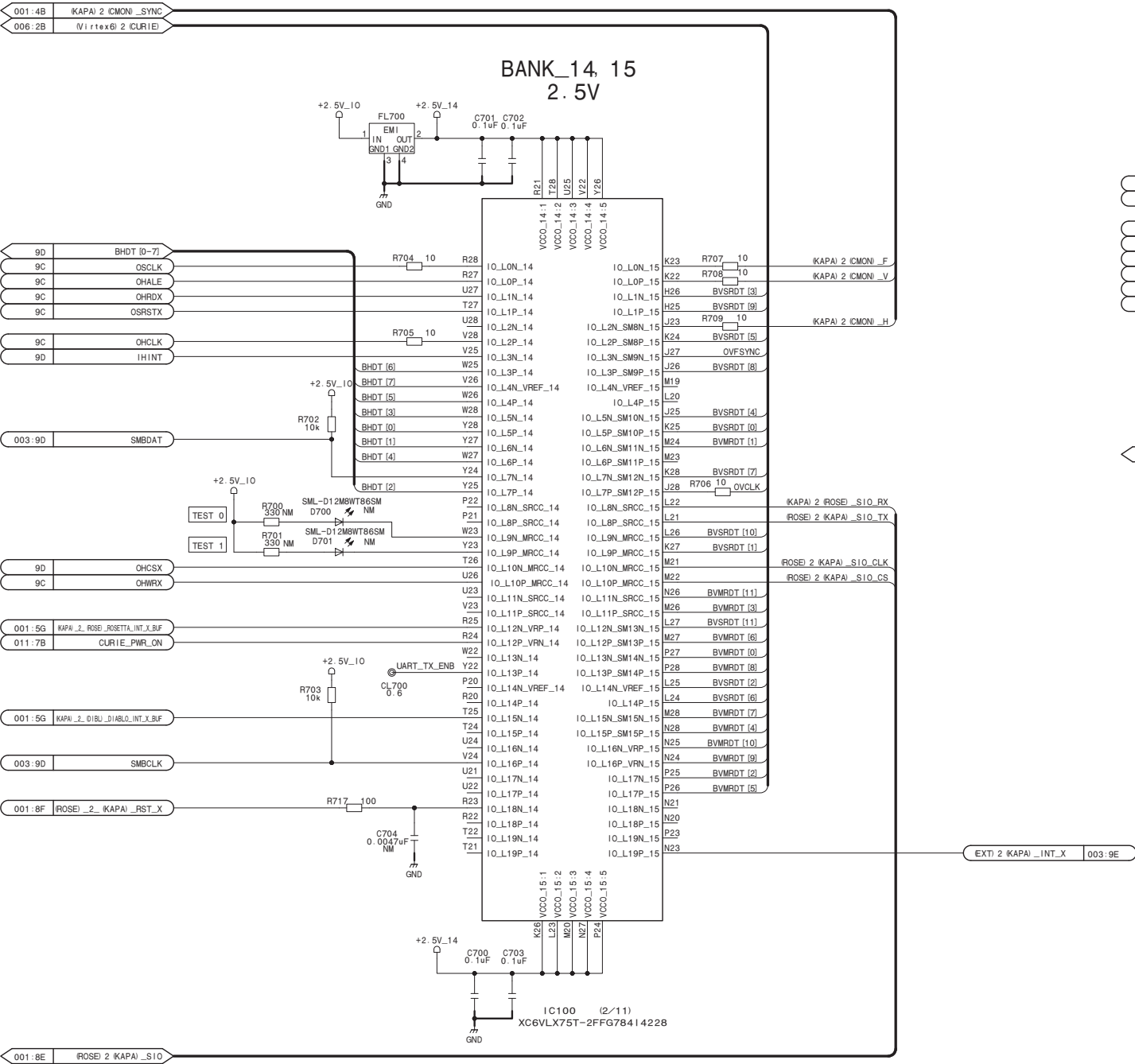


001:8G | DIBU_2_KAPU_CURIE_PRR_CTL

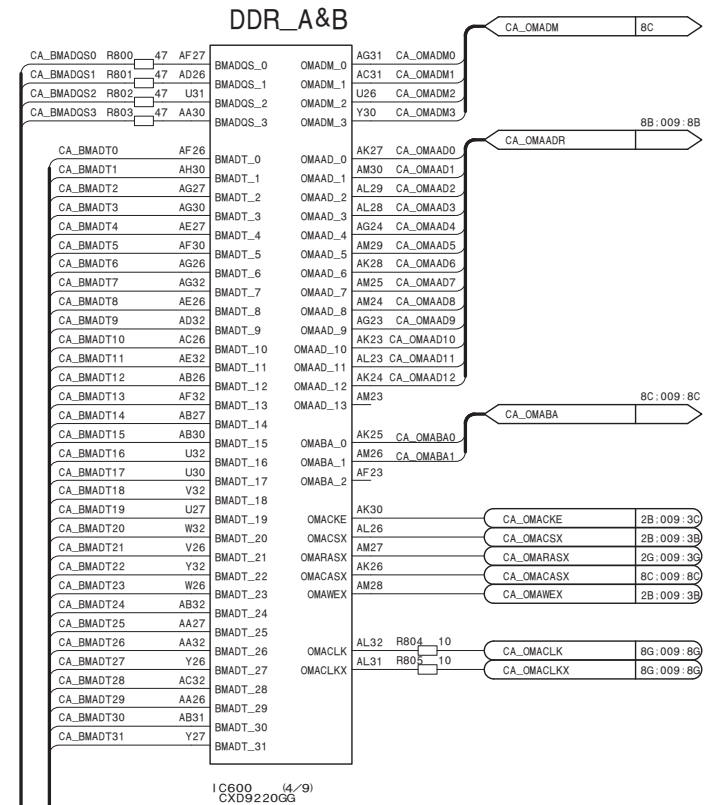
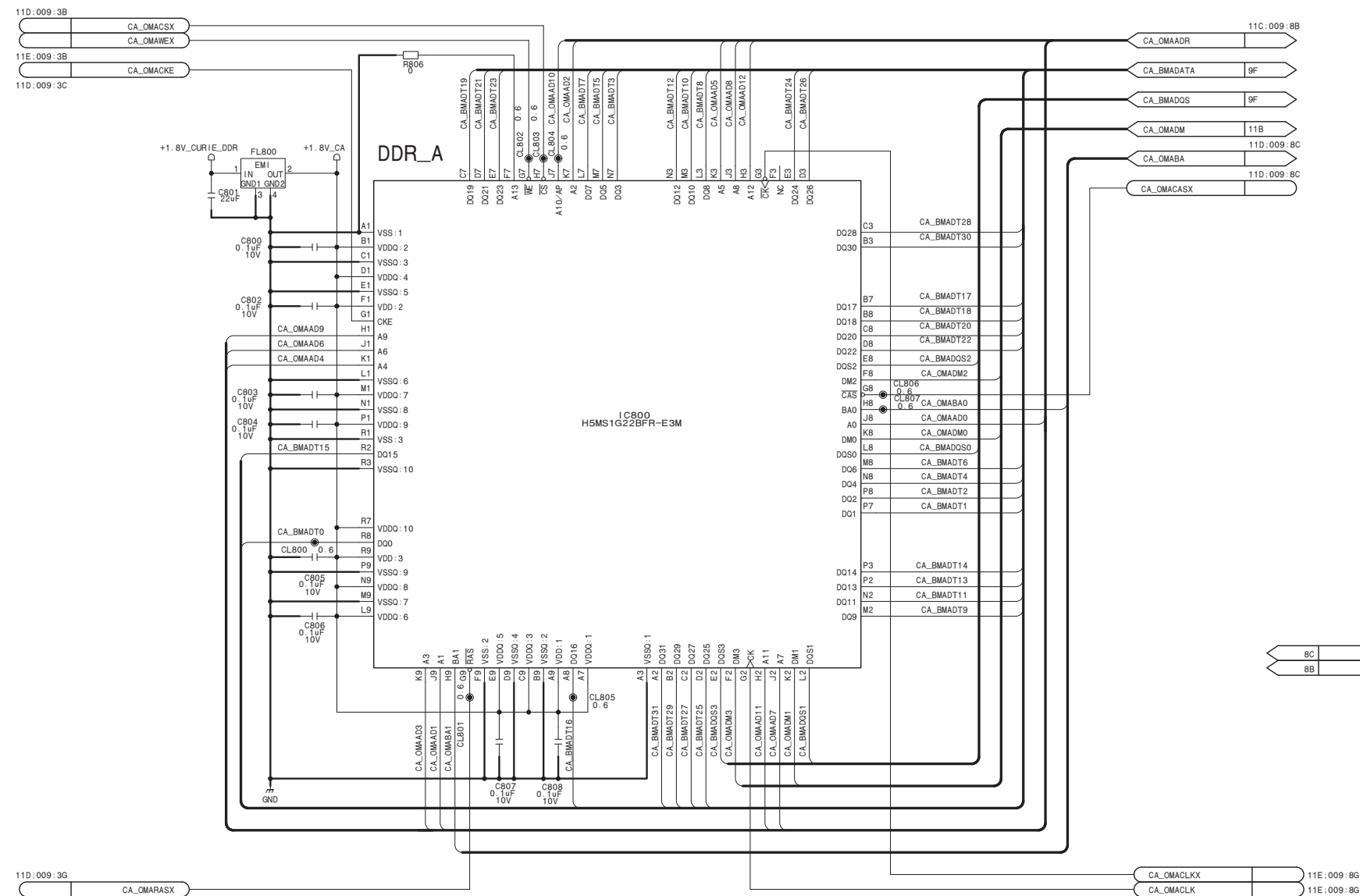


CURIE STREAM I/F
CURIE VIDEO I/F

HPR-44 (7/12)



HPR-44 (8/12)

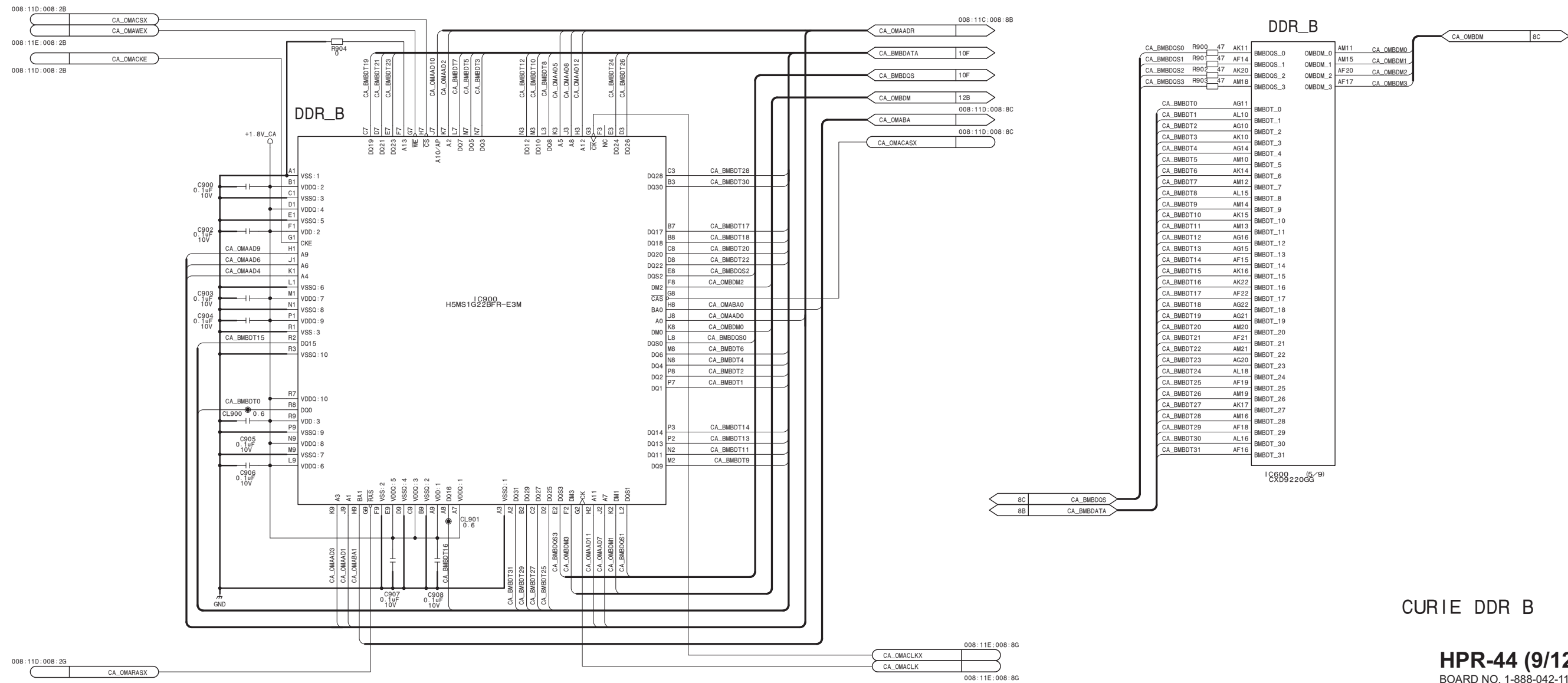


CURIE DDR A

HPR-44 (8/12)

BOARD NO. 1-888-042-11
HPR-44_8

HPR-44 (9/12)

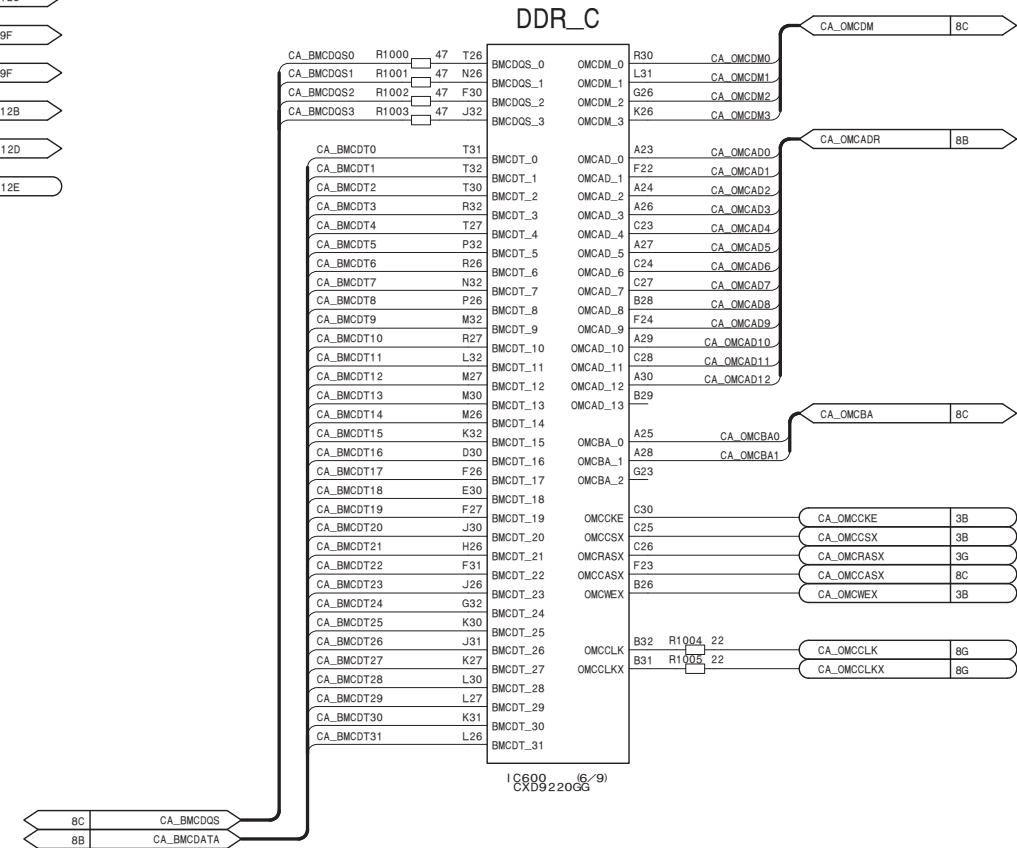
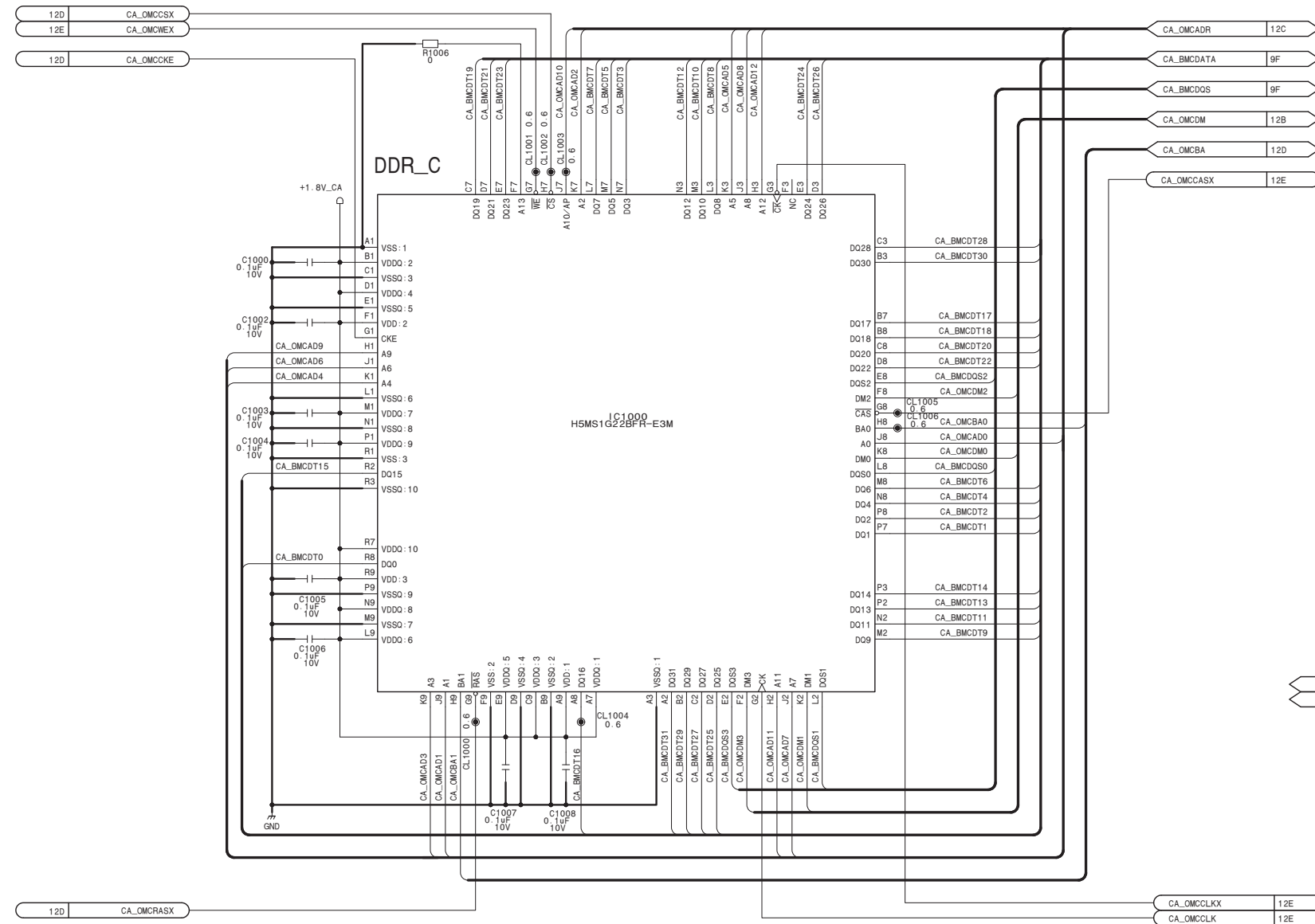


CURIE DDR B

HPR-44 (9/12)

BOARD NO. 1-888-042-11
HPR-44_9

HPR-44 (10/12)

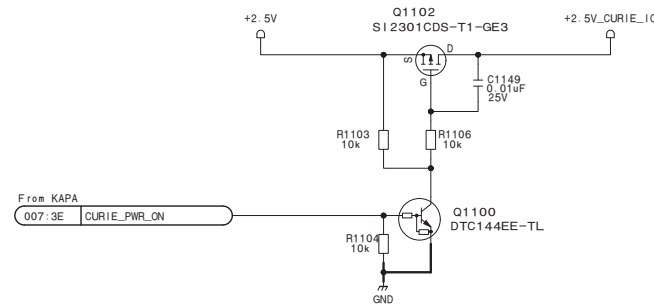
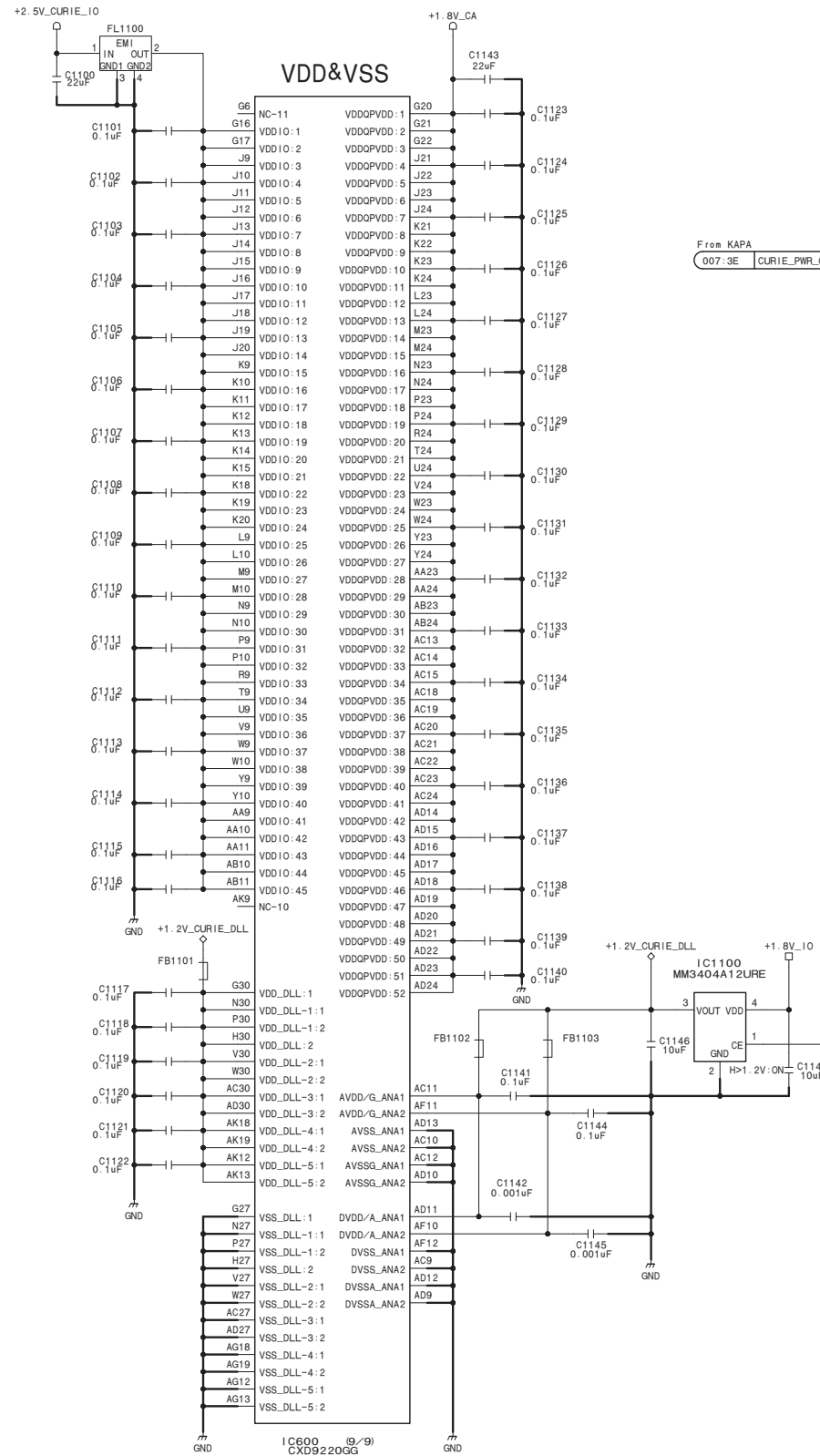
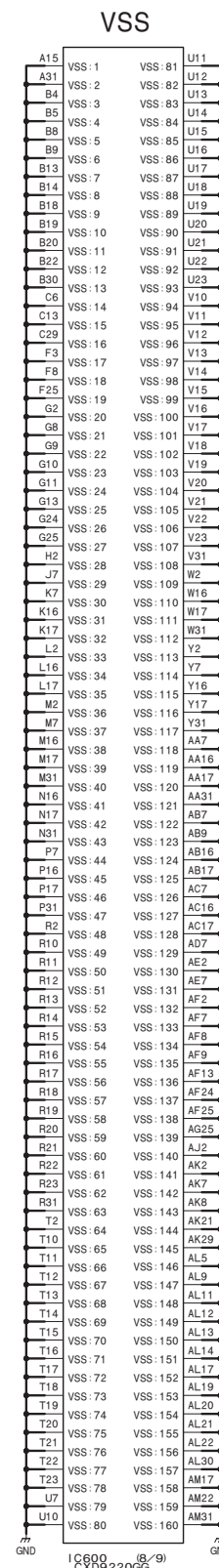


CURIE DDR C

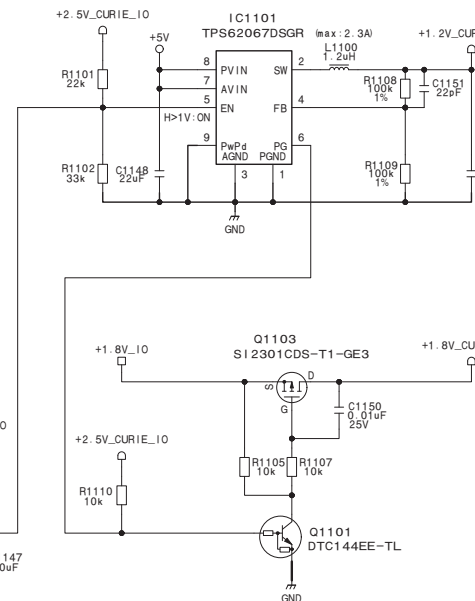
HPR-44 (10/12)

BOARD NO. 1-888-042-11
HPR-44_10

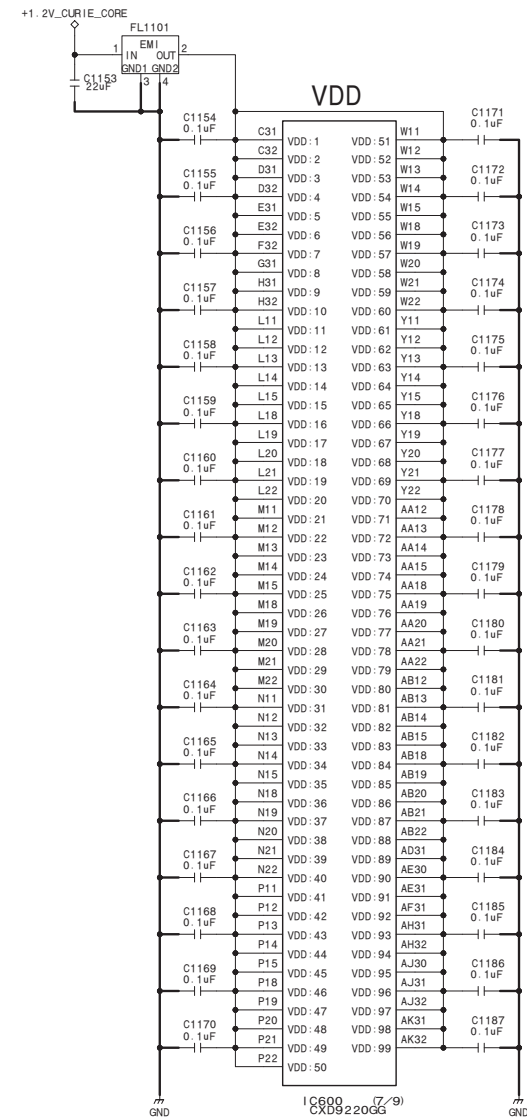
HPR-44 (11/12)



+5.0V TO +1.2V



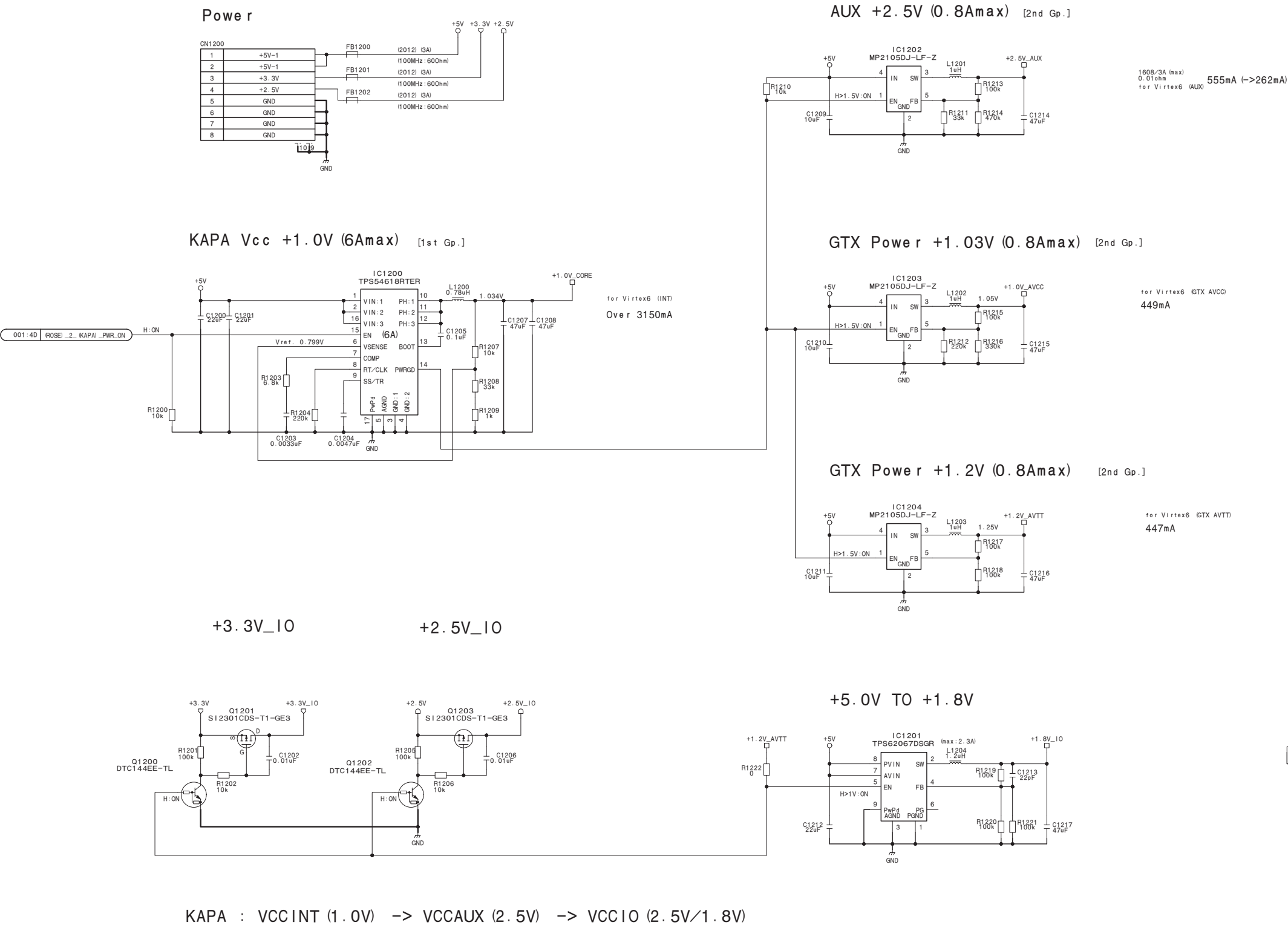
CURIE : IO (2.5V) -> core (1.2V) -> DDR (1.8V)



CURIE POWER

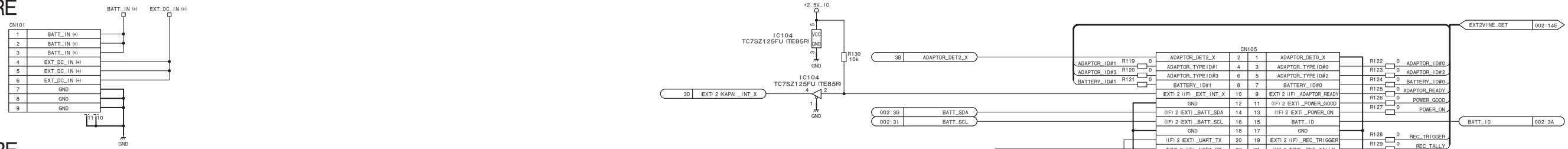
HPR-44 (11/12)

BOARD NO. 1-888-042-11
HPR-44_11

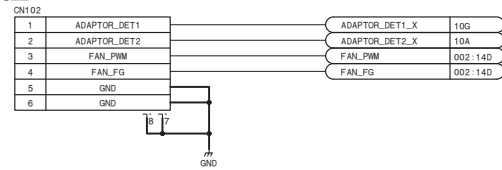


IF-1195
IF-1195 (1/2)

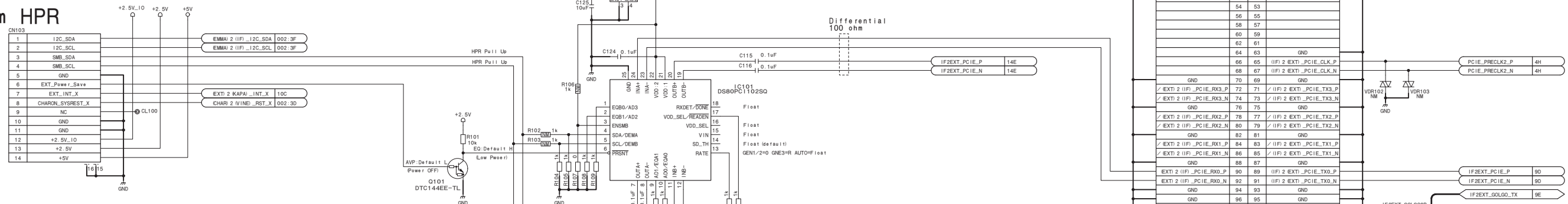
To RE



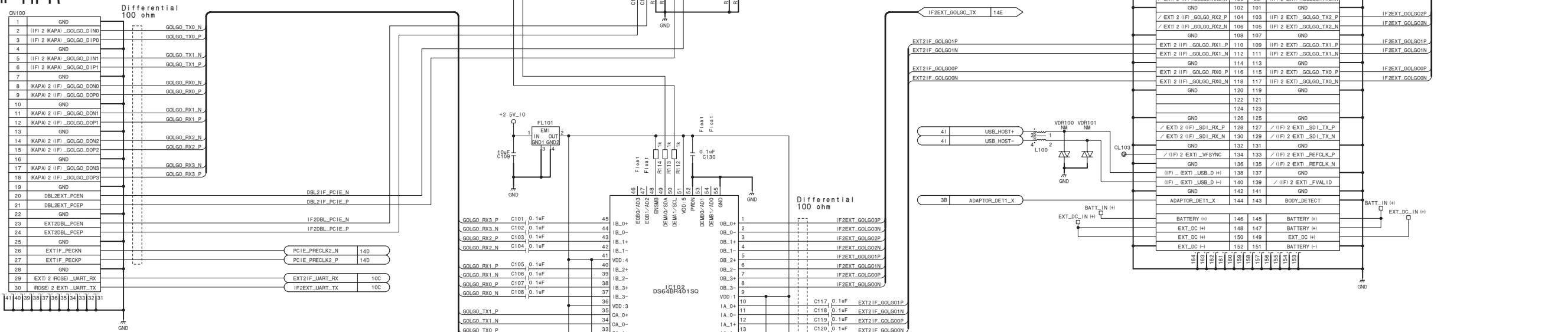
To RE



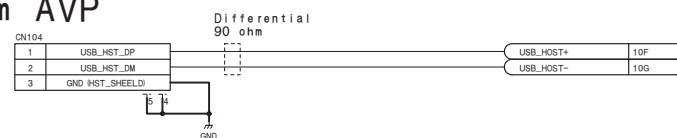
From HPR



From HPR

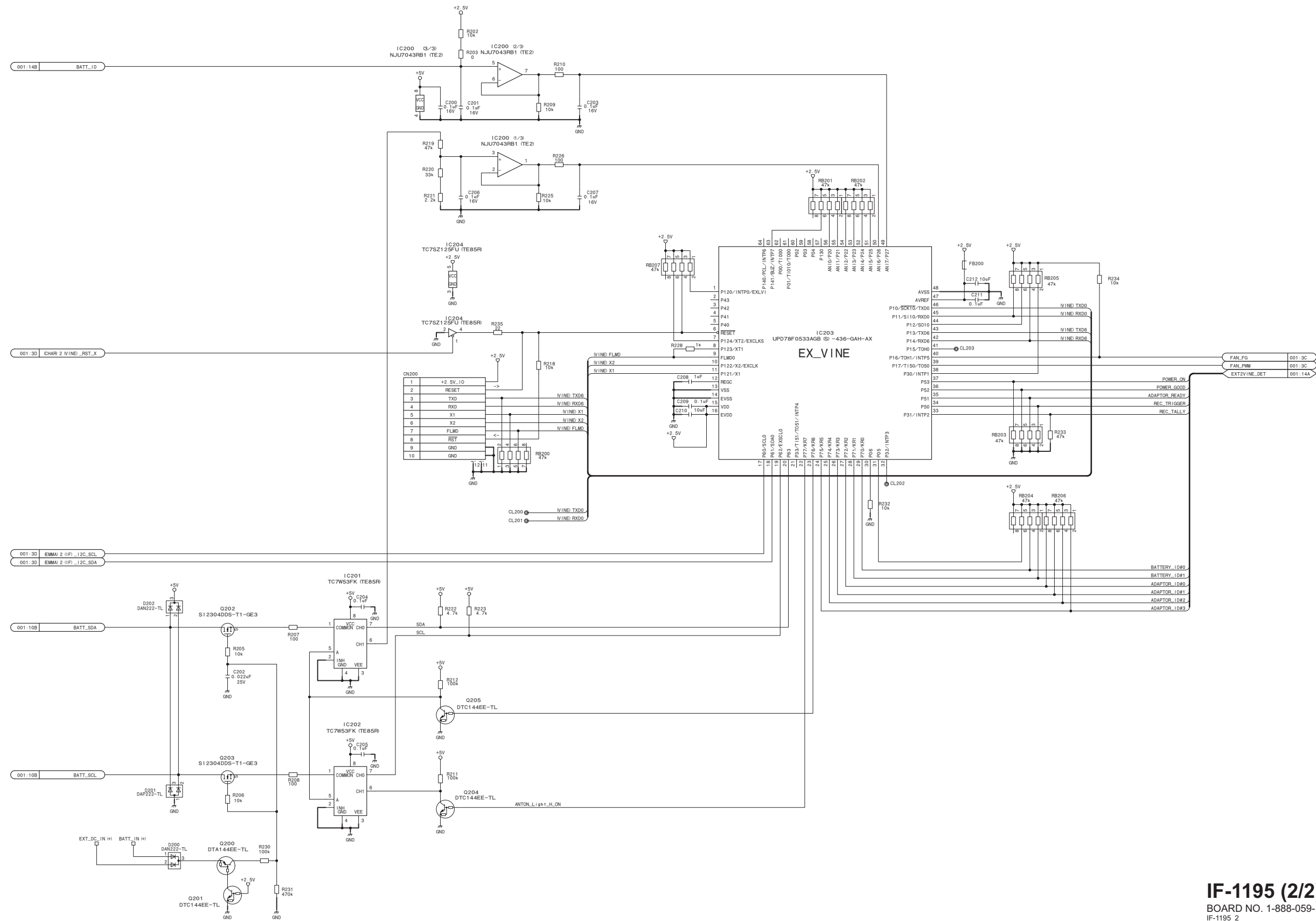


From AVP



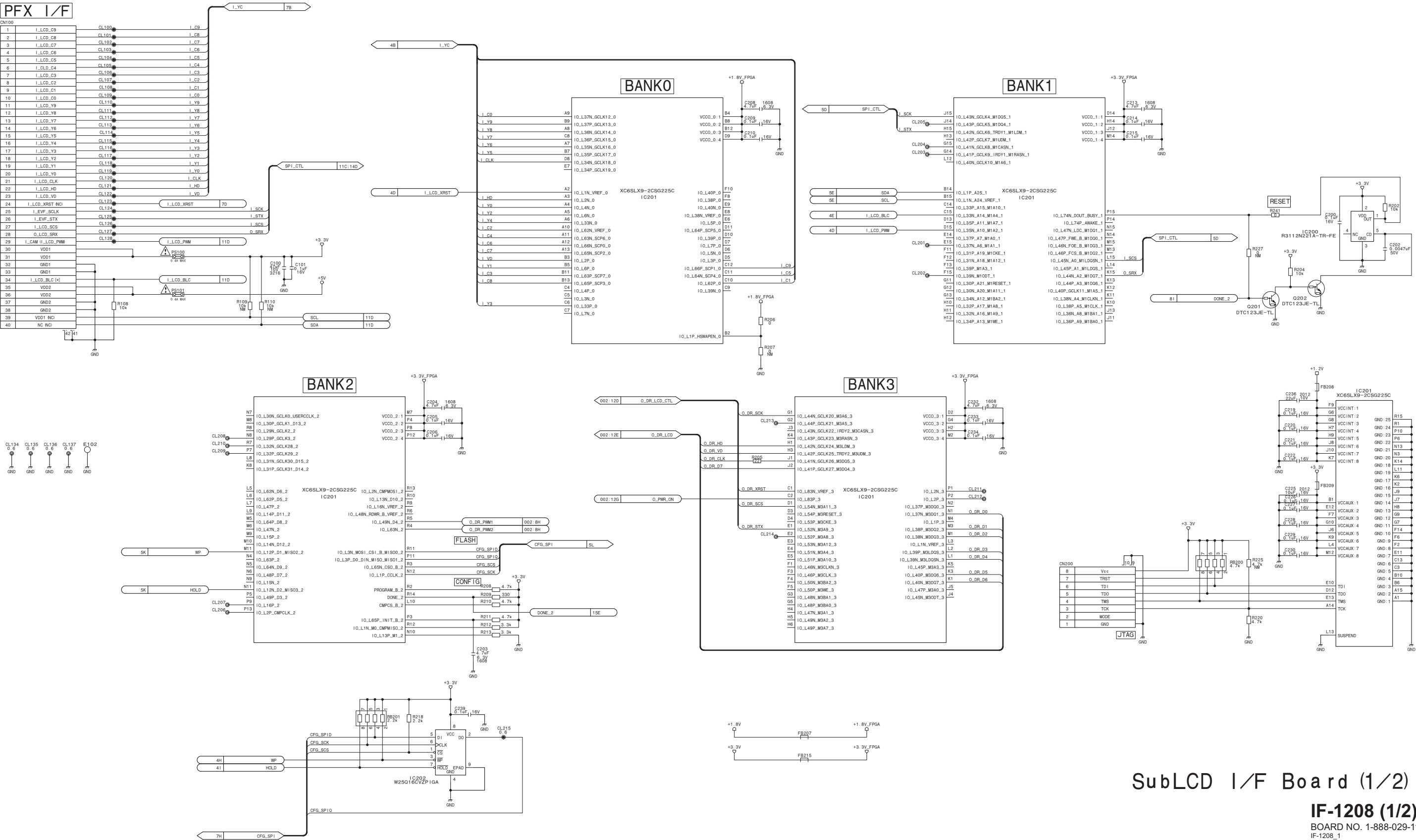
IF-1195 (1/2)
BOARD NO. 1-888-059-11
IF-1195_1

IF-1195 (2/2)

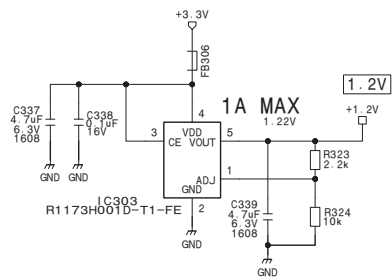


IF-1195 (2/2)
BOARD NO. 1-888-059-11
IF-1195_2

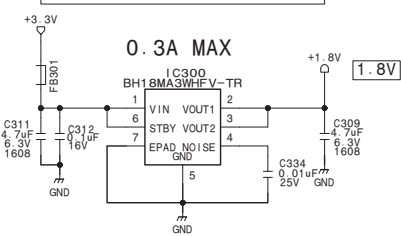
IF-1208
IF-1208 (1/2)



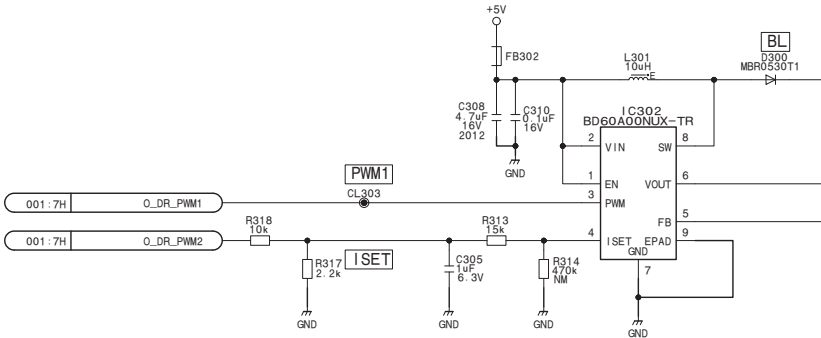
1.2V Reg



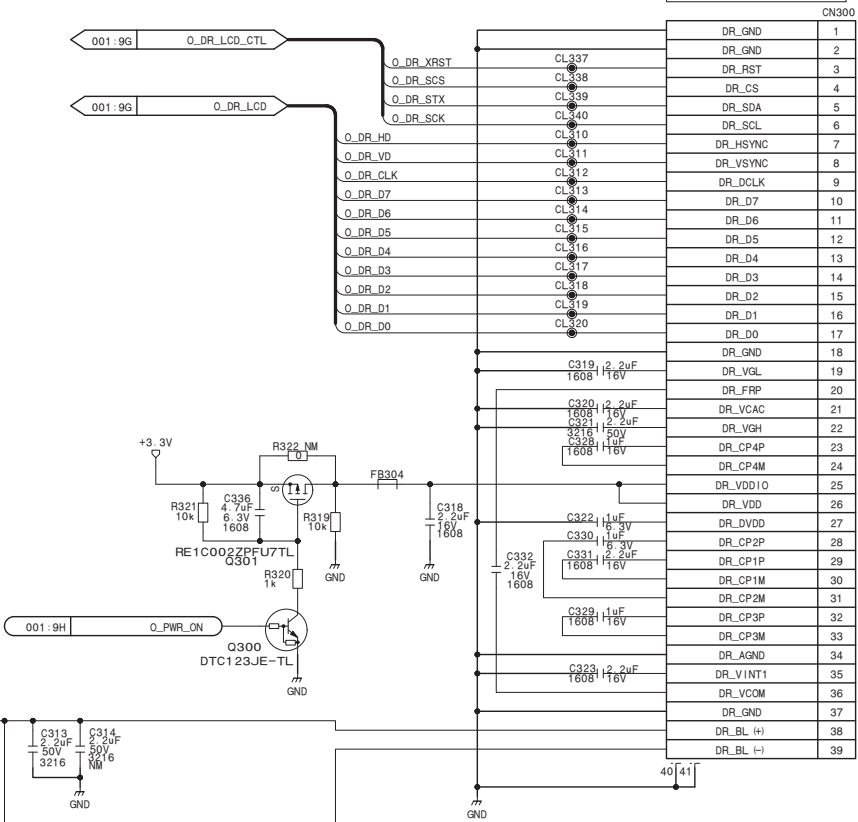
1.8V Reg



BL Driver



LCD I/F

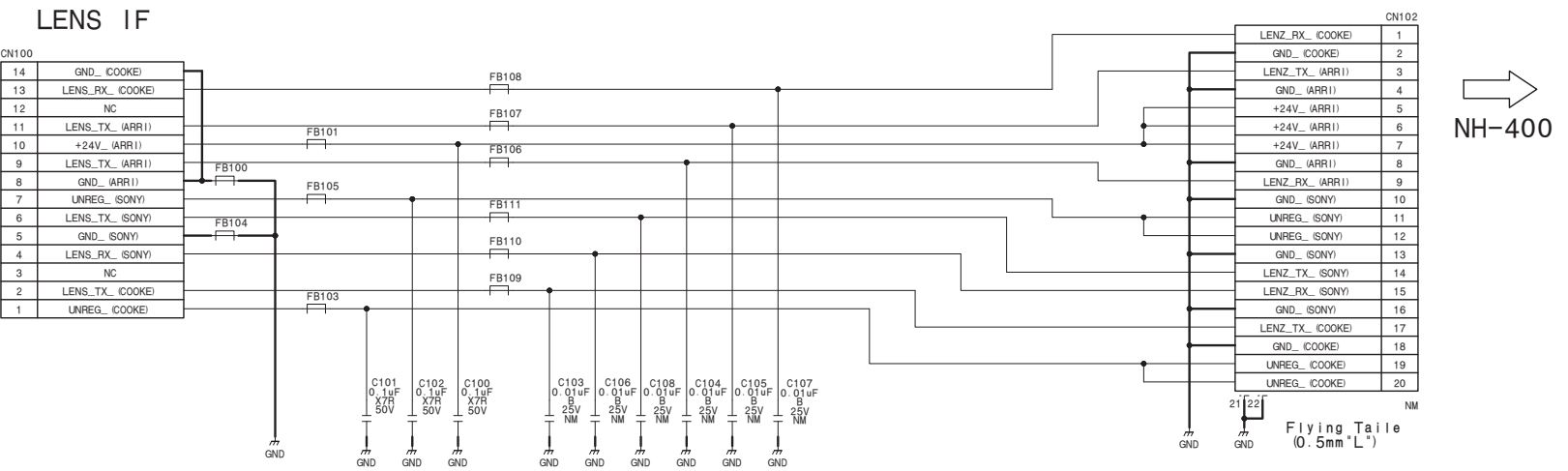


SubLCD I/F Board (2/2)

IF-1208 (2/2)

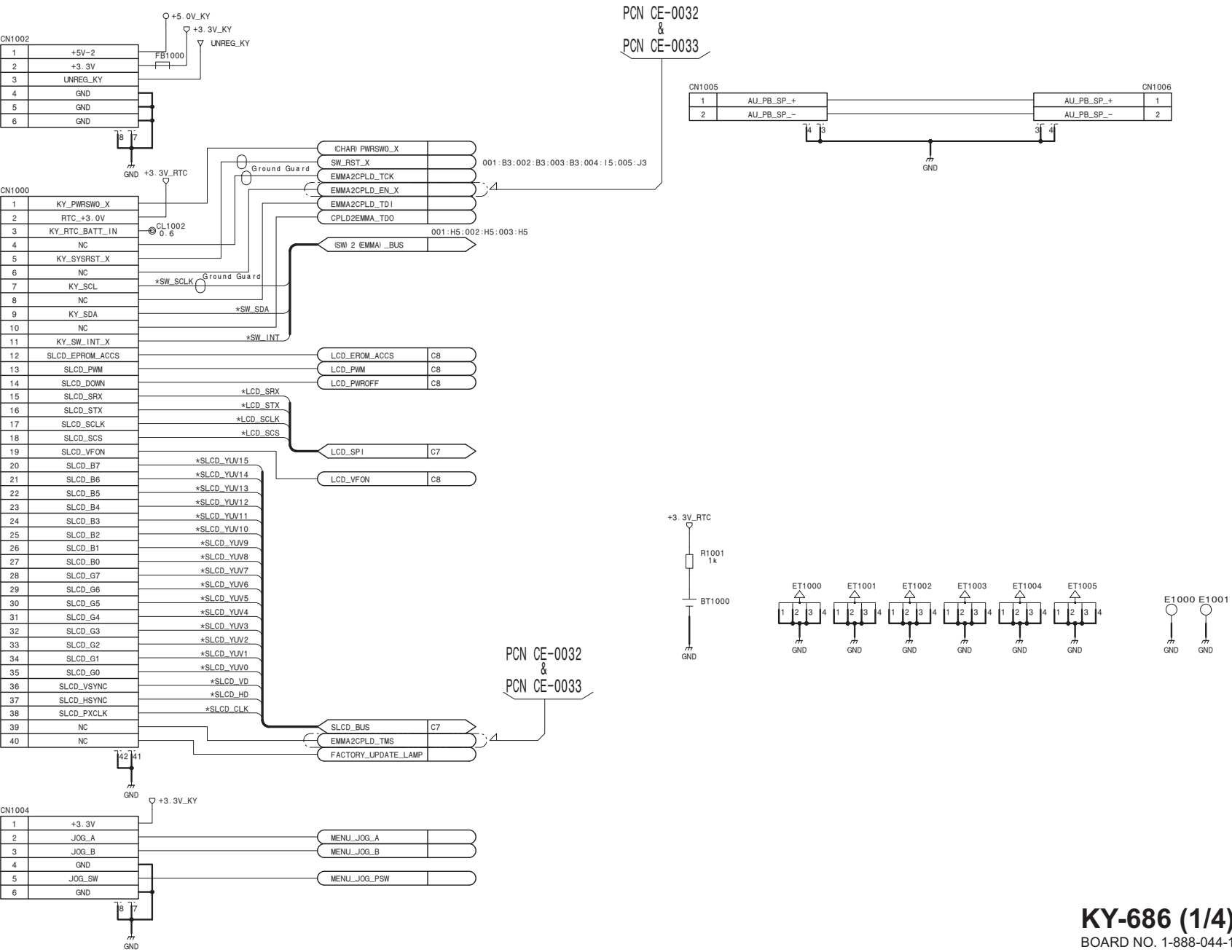
BOARD NO. 1-888-029-11
IF-1208_2

IR-57



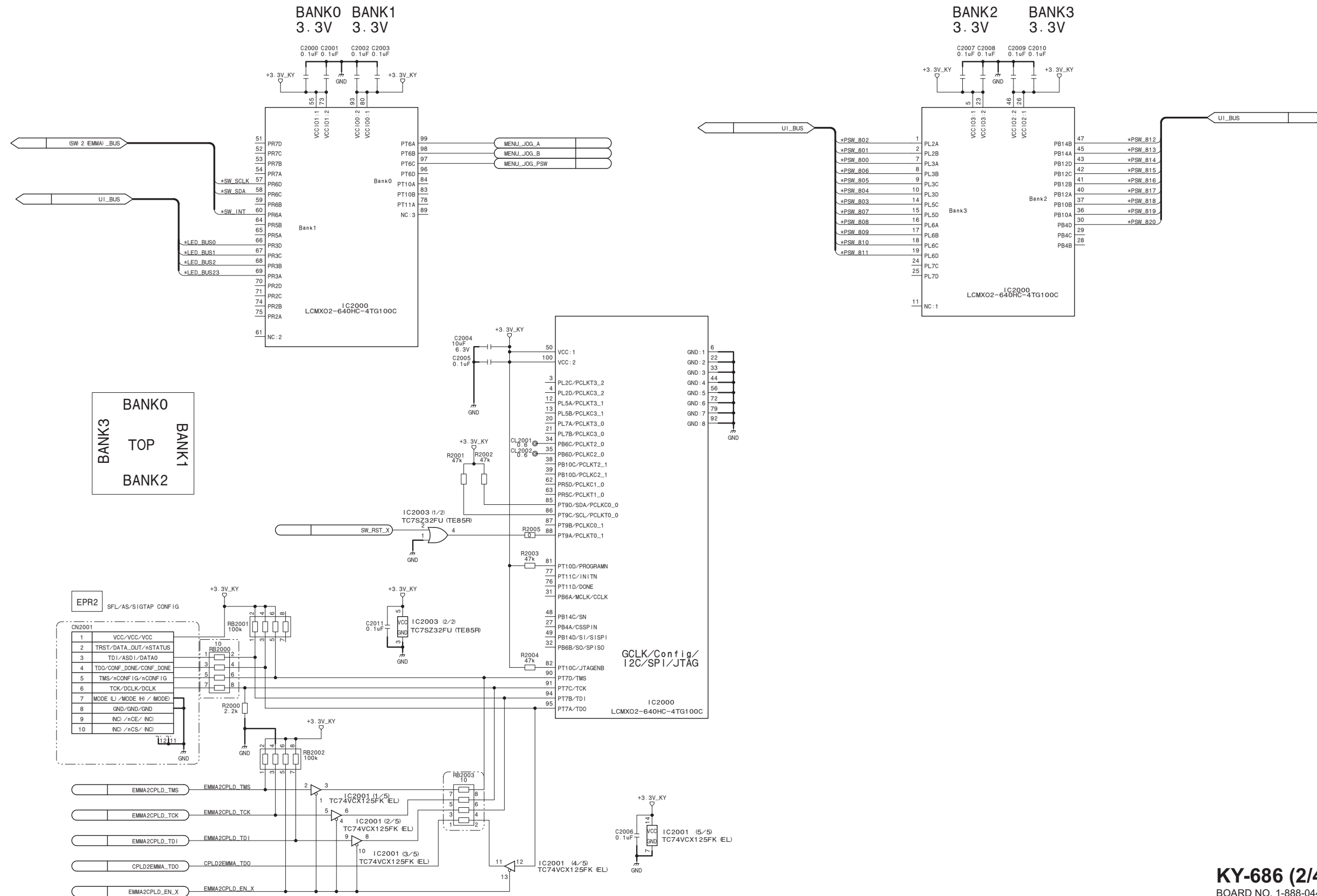
IR-57
BOARD NO. 1-888-043-11
IR-57_1

KY-686
KY-686 (1/4)

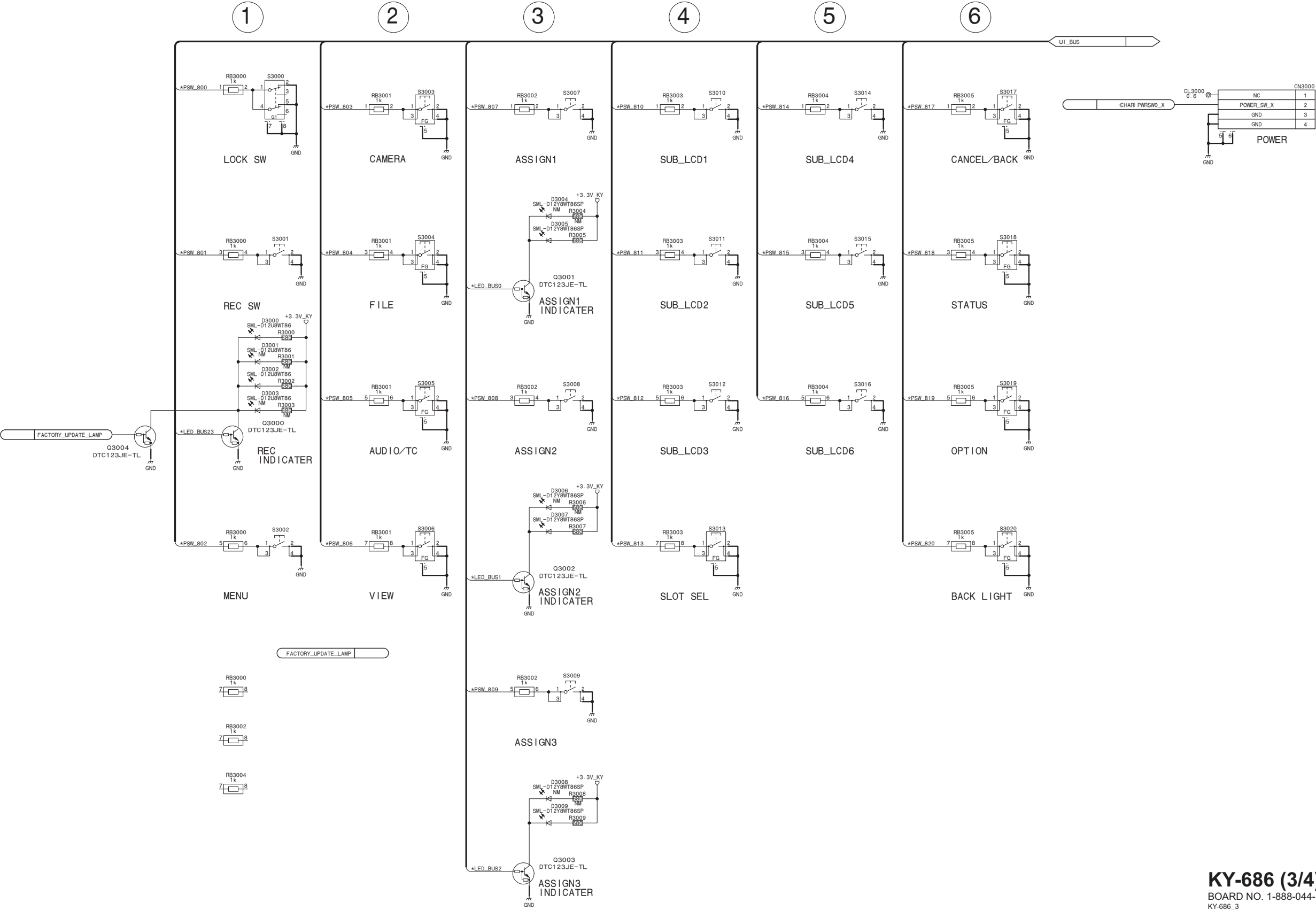


KY-686 (1/4)
BOARD NO. 1-888-044-11
KY-686_1

KY-686 (2/4)

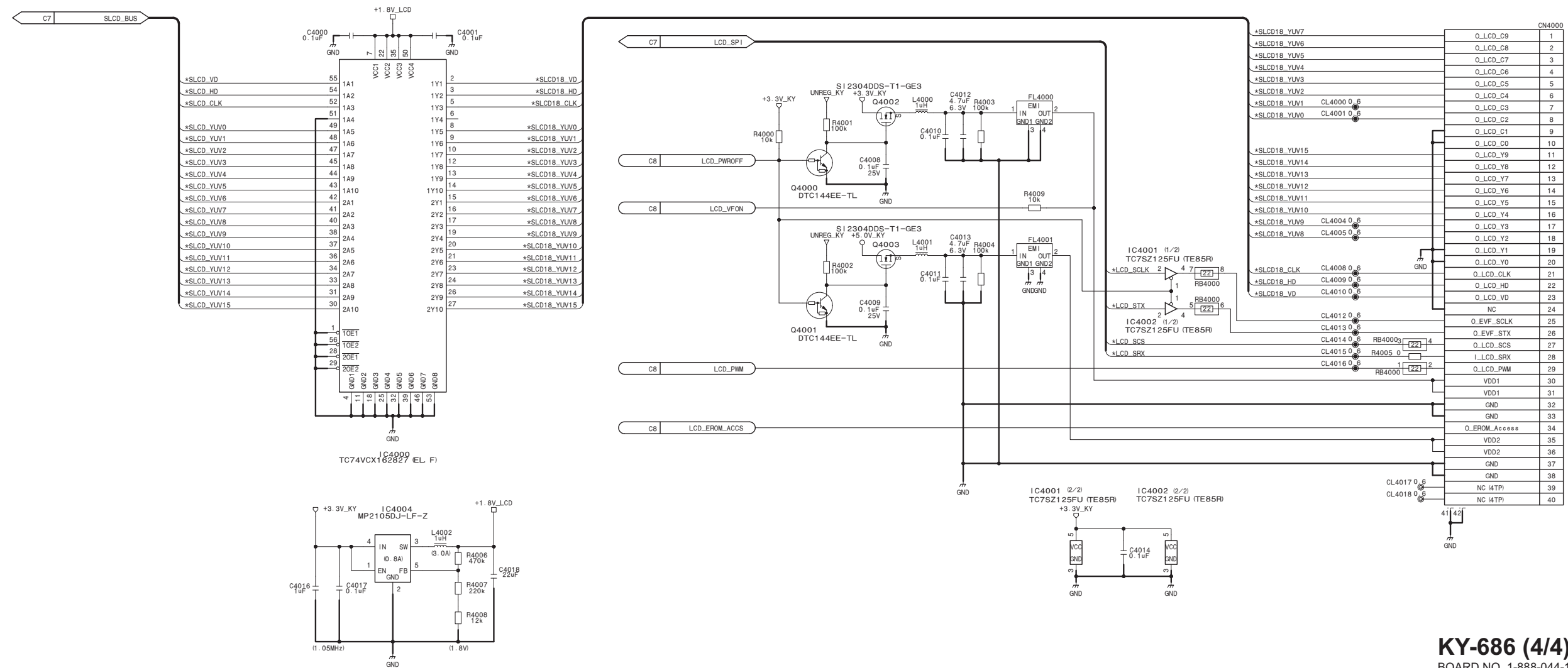


KY-686 (2/4)
BOARD NO. 1-888-044-11
KY-686_2



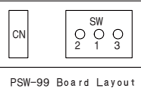
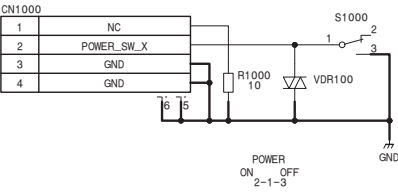
KY-686 (3/4)
BOARD NO. 1-888-044-11
KY-686_3

KY-686 (4/4)



KY-686 (4/4)
BOARD NO. 1-888-044-11
KY-686_4

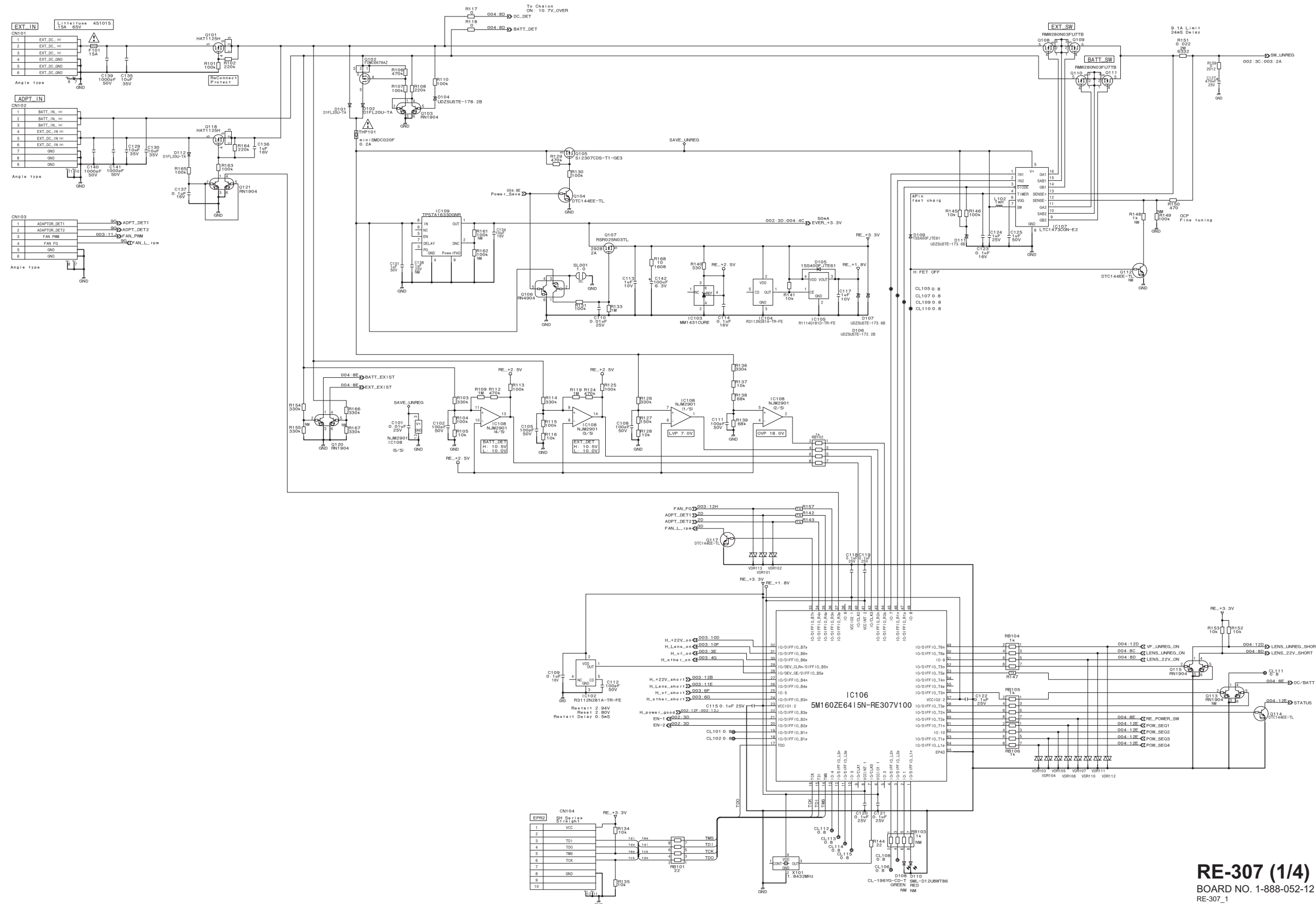
PSW-99



PSW-99

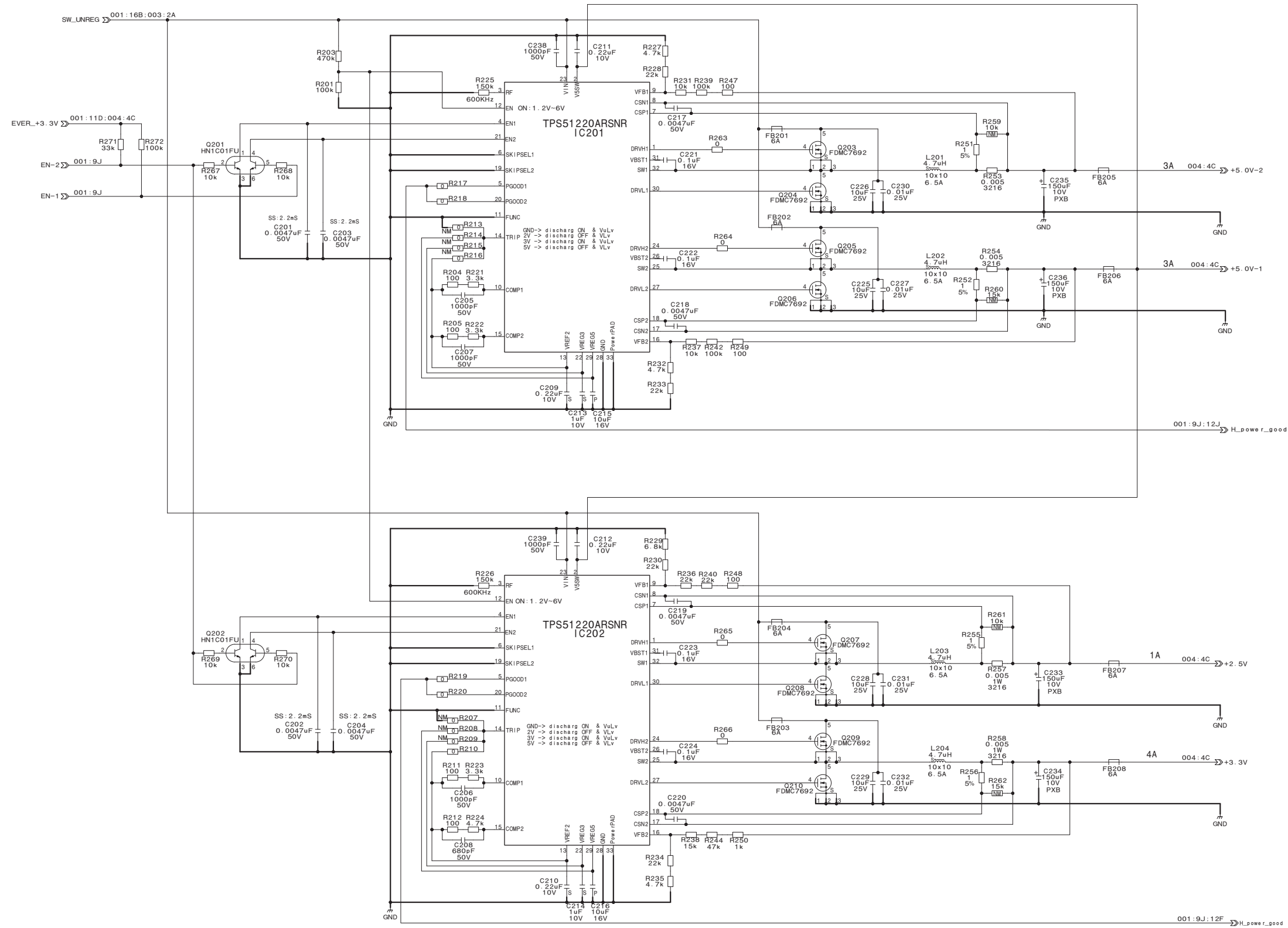
BOARD NO. 1-888-054-11
PSW-99_1

RE-307
RE-307 (1/4)



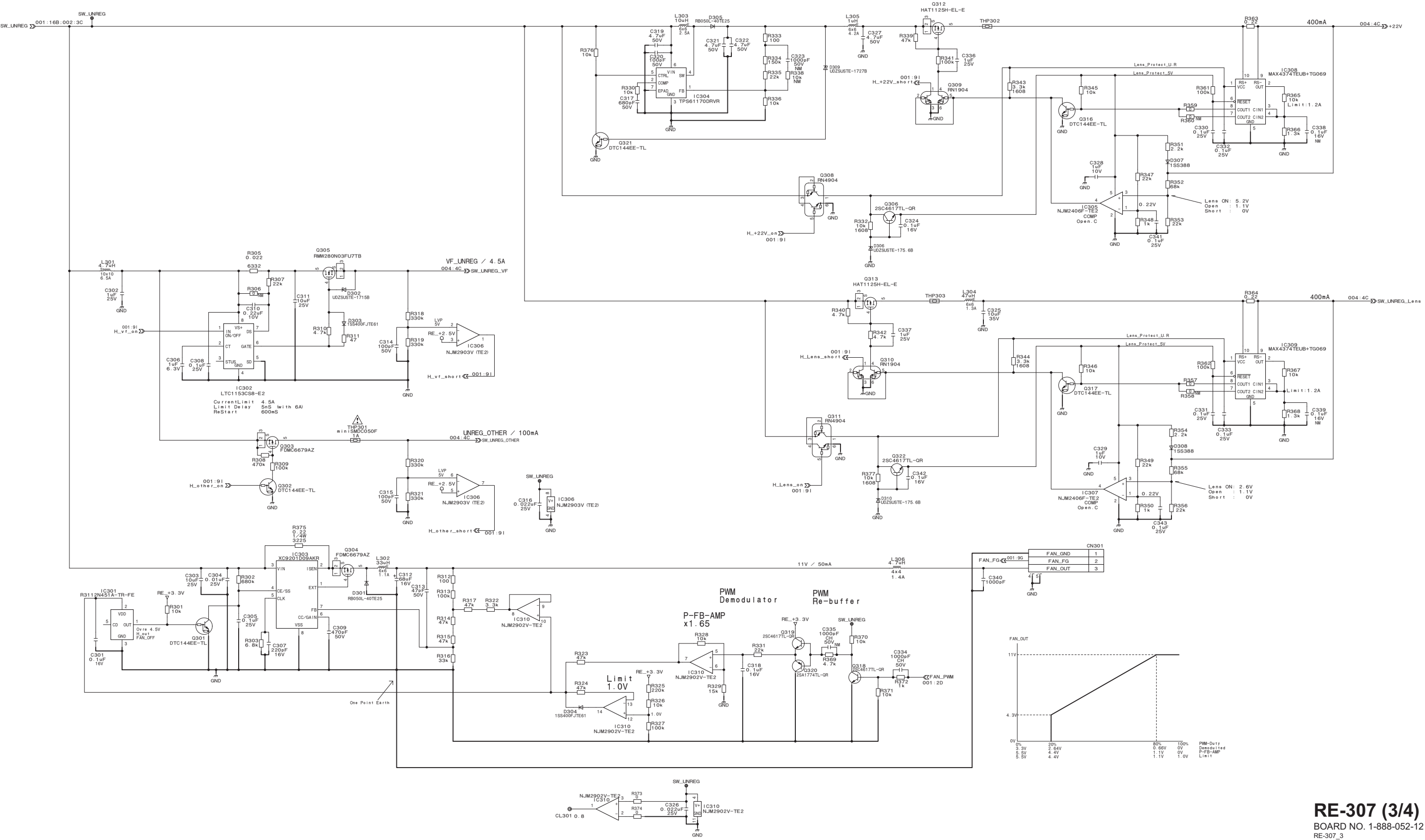
RE-307 (1/4)
BOARD NO. 1-888-052-12
RE-307_1

RE-307 (2/4)



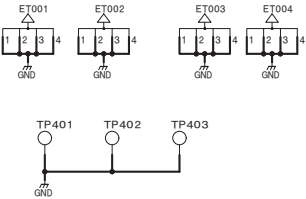
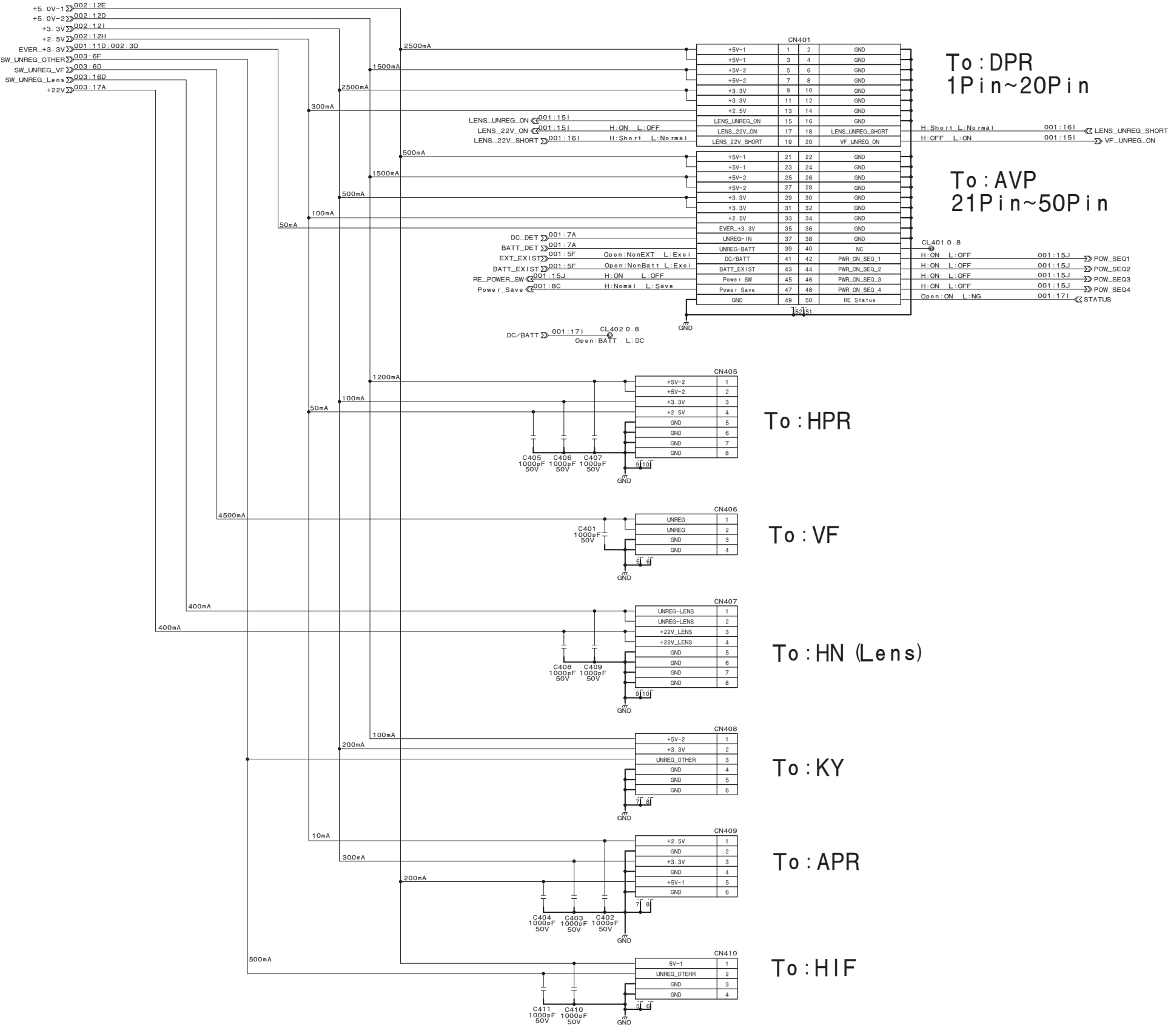
RE-307 (2/4)

BOARD NO. 1-888-052-12
RE-307_2



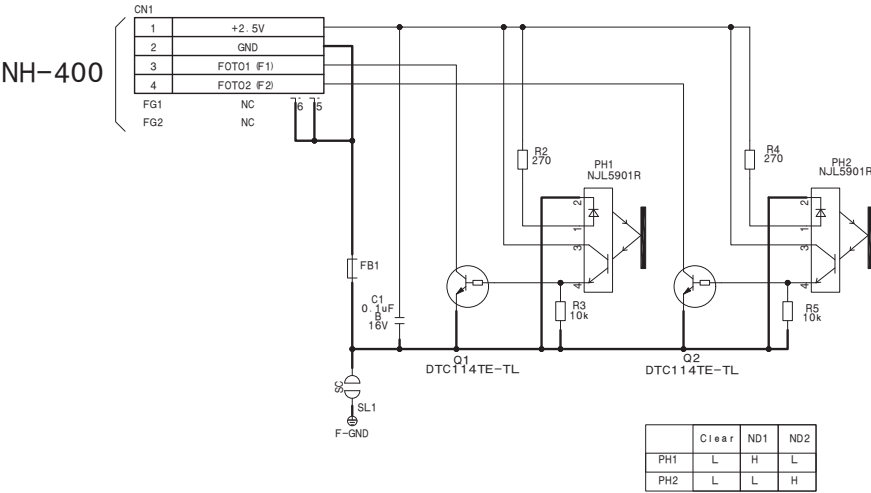
RE-307 (3/4)
BOARD NO. 1-888-052-12
RE-307_3

RE-307 (4/4)



RE-307 (4/4)
BOARD NO. 1-888-052-12
RE-307_4

SE-1111

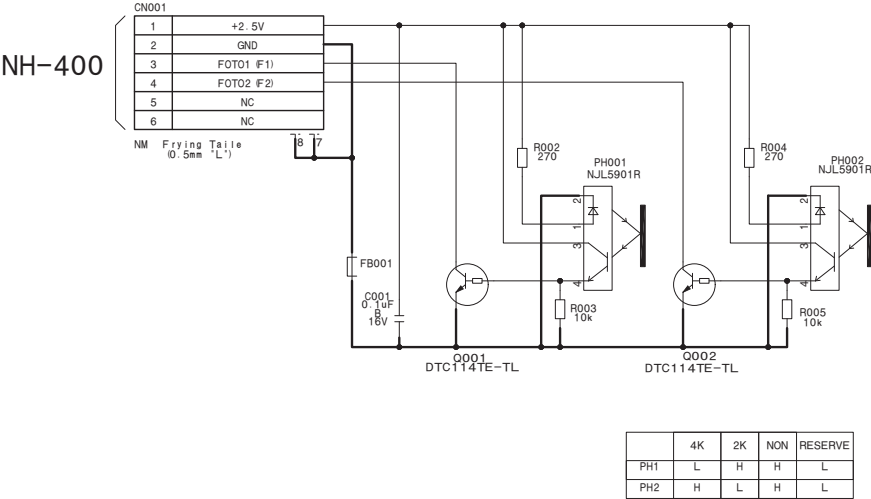


ND-Filter

SE-1111

BOARD NO. 1-888-049-11
SE-1111_1

SE-1114

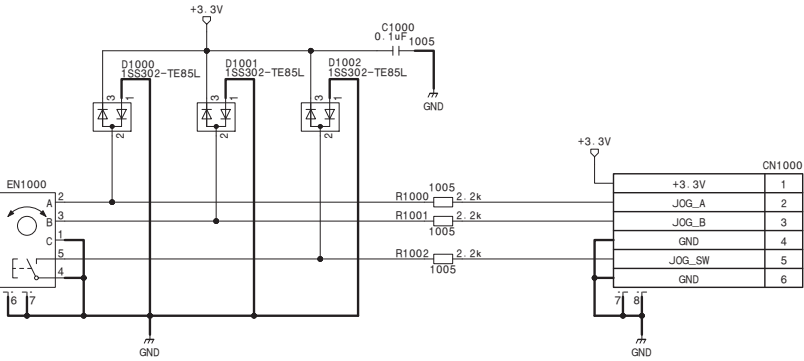


O-LPF

SE-1114

BOARD NO. 1-888-048-11
SE-1114_1

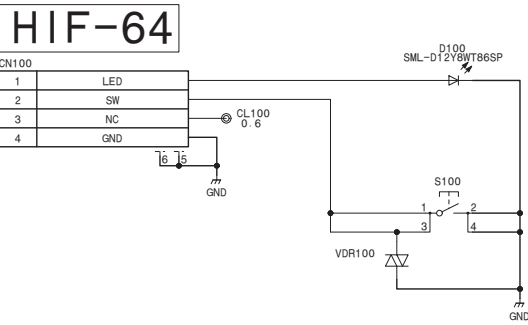
SW-1569



SW-1569

BOARD NO. 1-888-047-11
SW-1569_1

SW-1574

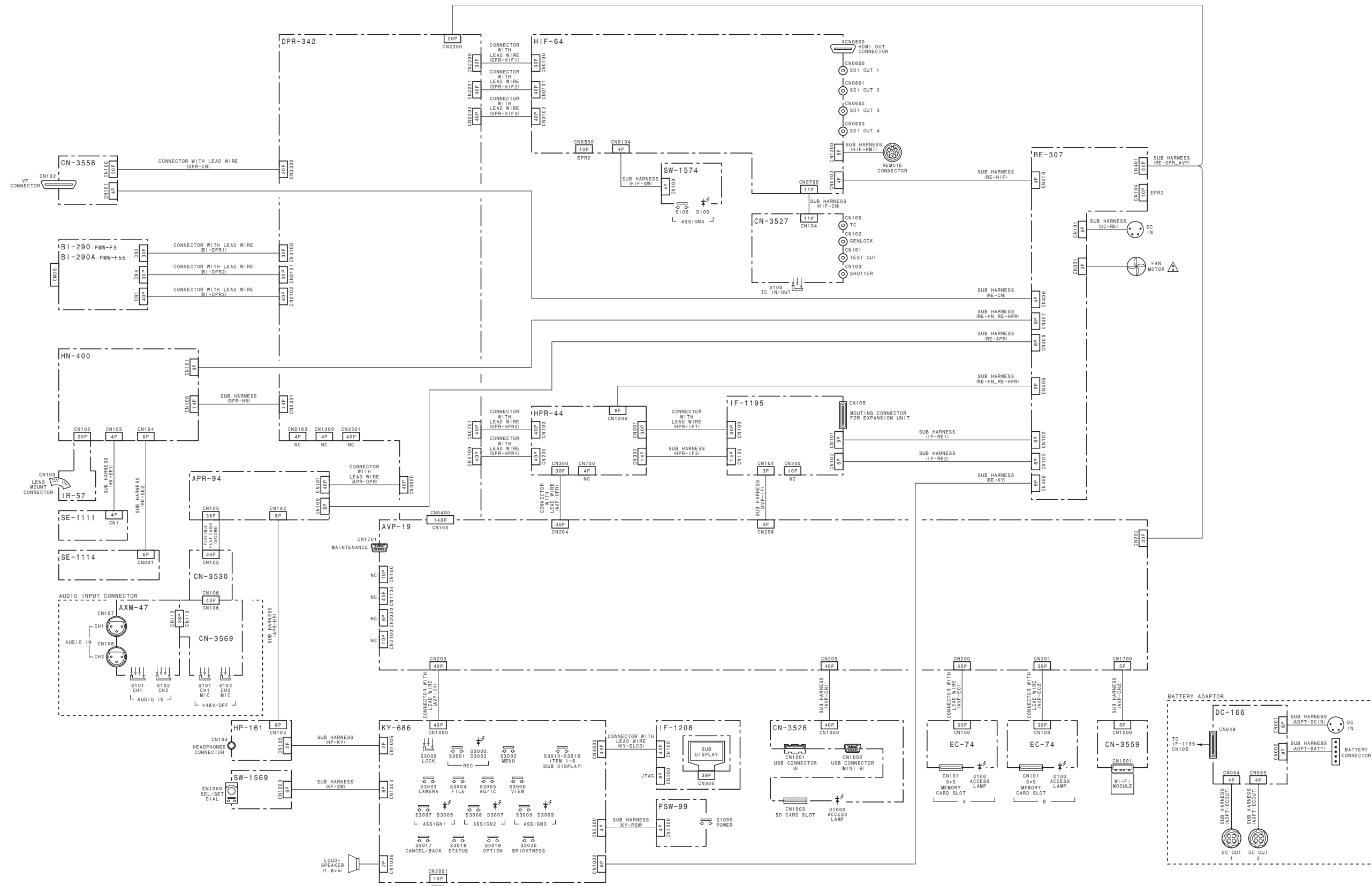


OutSide Assignable SW

SW-1574

BOARD NO. 1-888-053-11
SW-1574_1

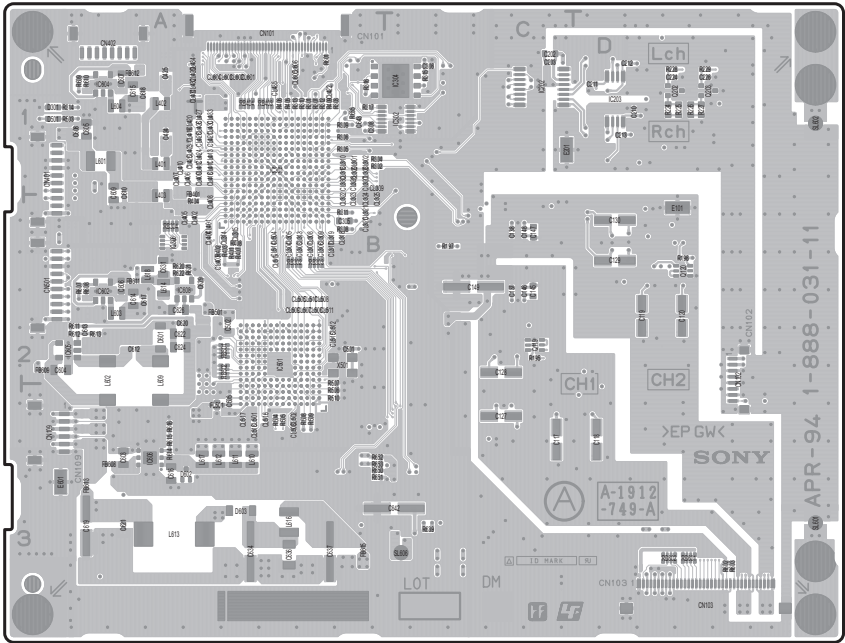
Frame Wiring



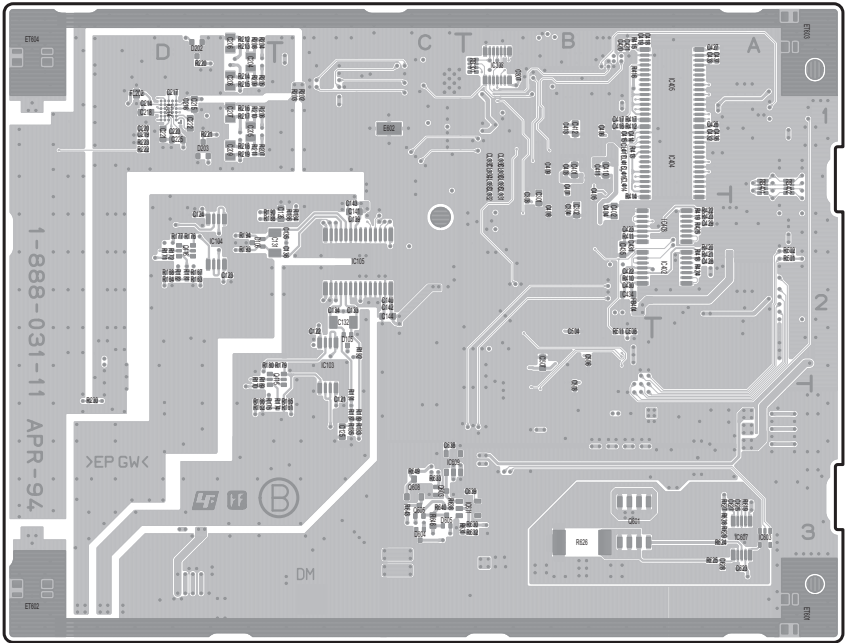
Section 9
Board Layouts

APR-94

The location is described at the end in this section.



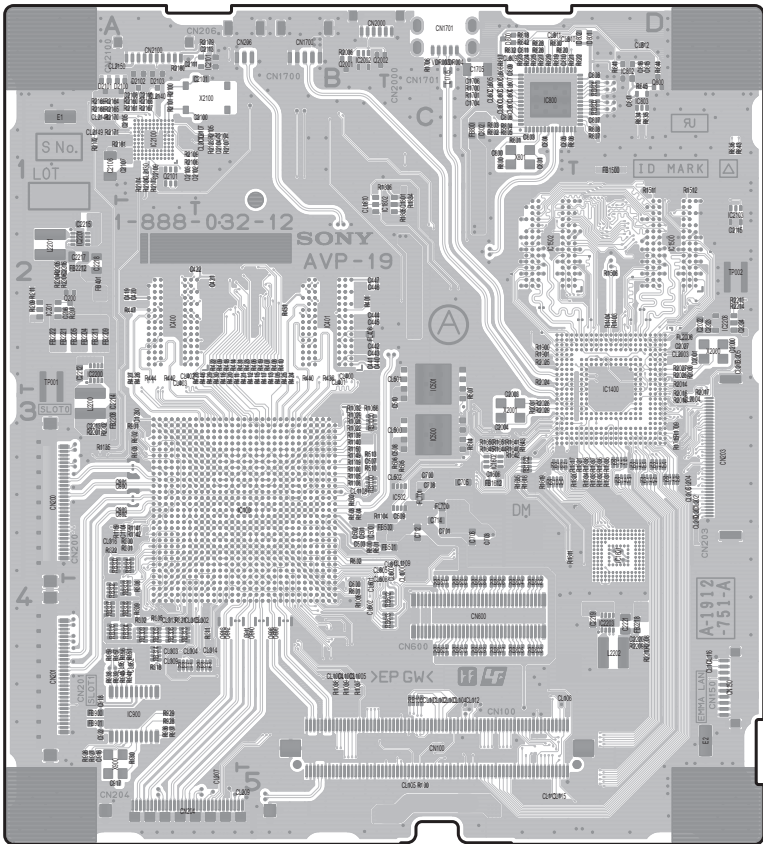
APR-94 -A SIDE-
SUFFIX: -11



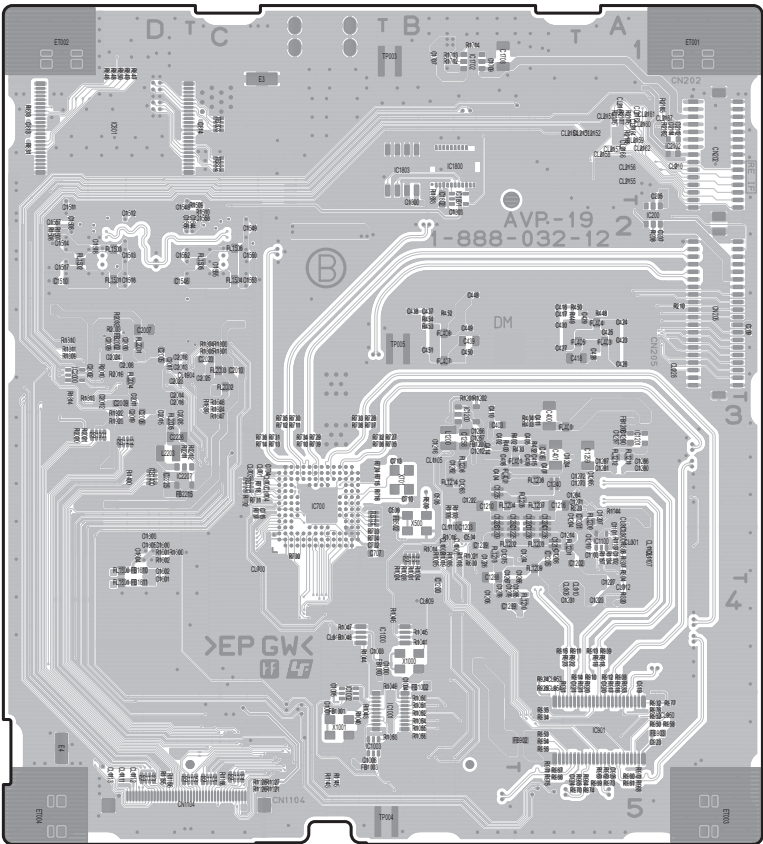
APR-94 -B SIDE-
SUFFIX: -11

AVP-19

The location is described at the end in this section.

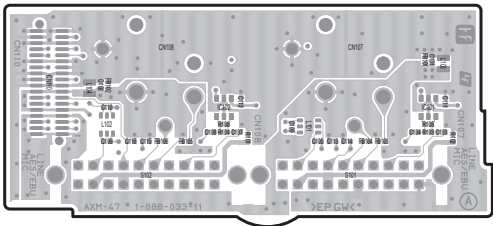


AVP-19 -A SIDE-
SUFFIX: -12

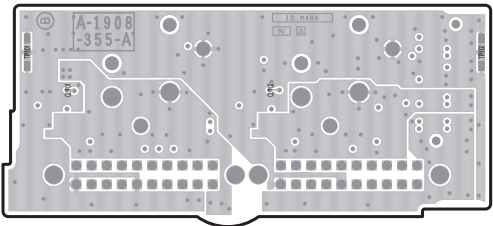


AVP-19 -B SIDE-
SUFFIX: -12

AXM-47

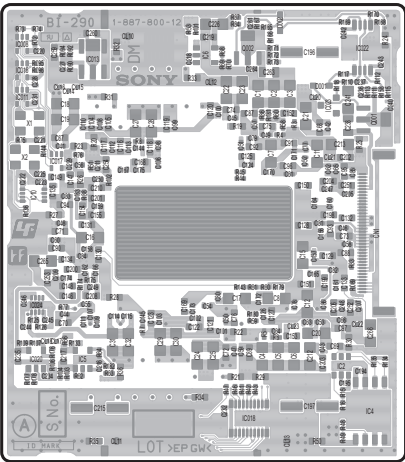


AXM-47 -A SIDE-
SUFFIX: -11

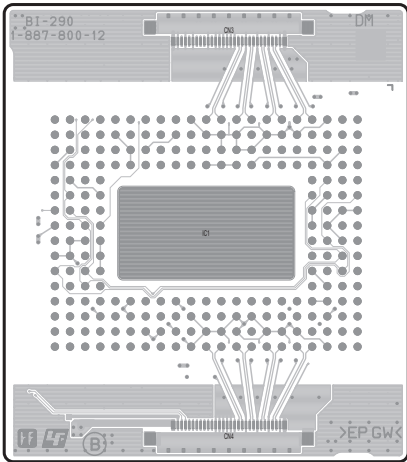


AXM-47 -B SIDE-
SUFFIX: -11

BI-290/290A

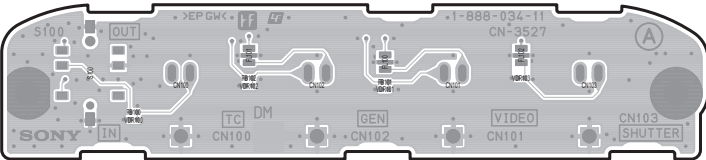


BI-290/290A -A SIDE-
SUFFIX: -12

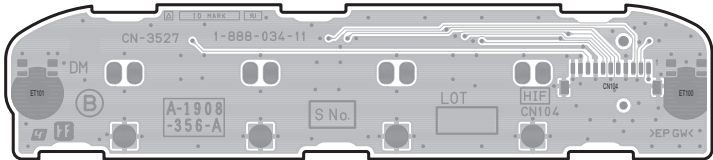


BI-290/290A -B SIDE-
SUFFIX: -12

CN-3527



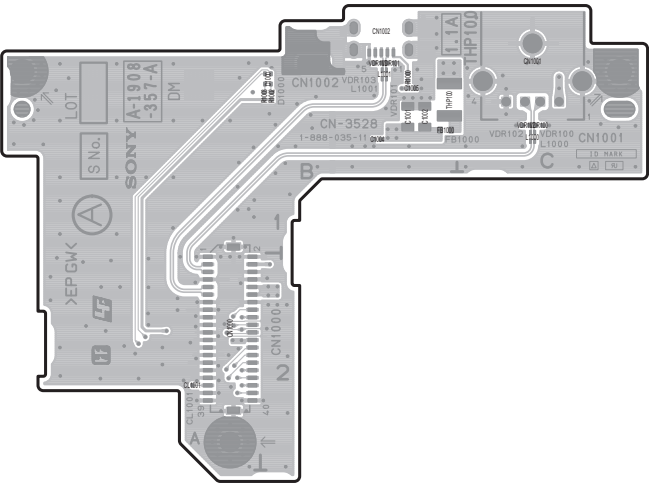
CN-3527 -A SIDE-
SUFFIX: -11



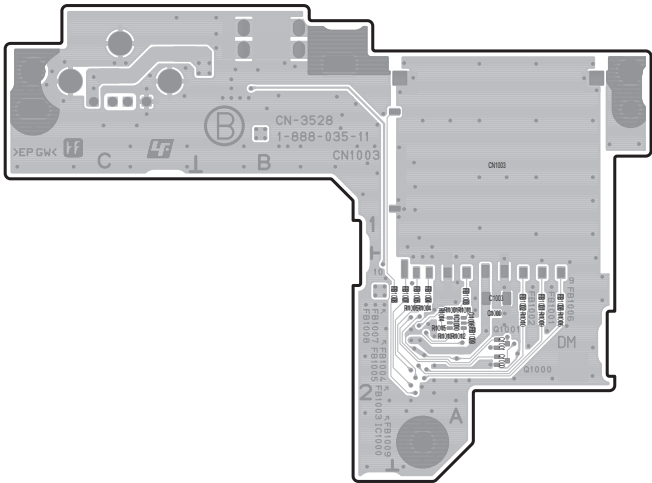
CN-3527 -B SIDE-
SUFFIX: -11

CN-3528

The location is described at the end in this section.



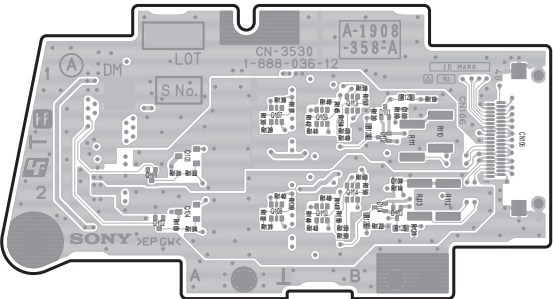
CN-3528 -A SIDE-
SUFFIX: -11



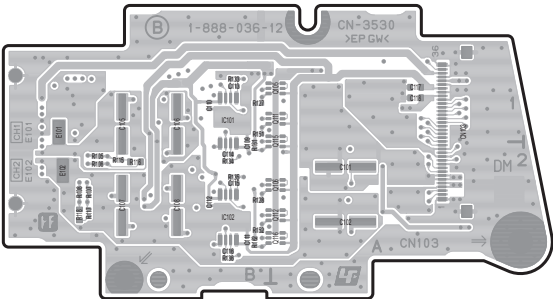
CN-3528 -B SIDE-
SUFFIX: -11

CN-3530

The location is described at the end in this section.

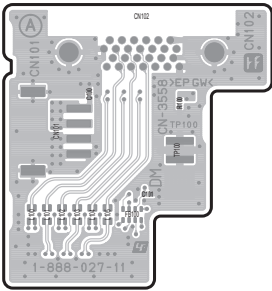


CN-3530 -A SIDE-
SUFFIX: -12

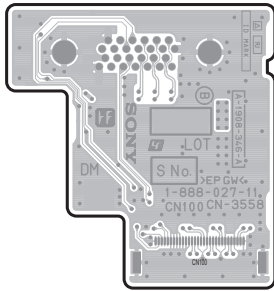


CN-3530 -B SIDE-
SUFFIX: -12

CN-3558

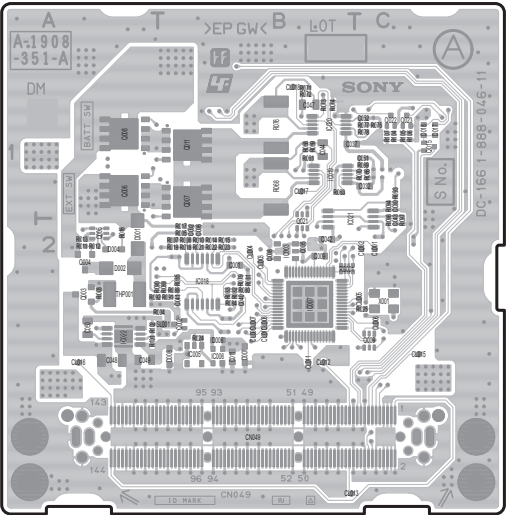


CN-3558 -A SIDE-
SUFFIX: -11

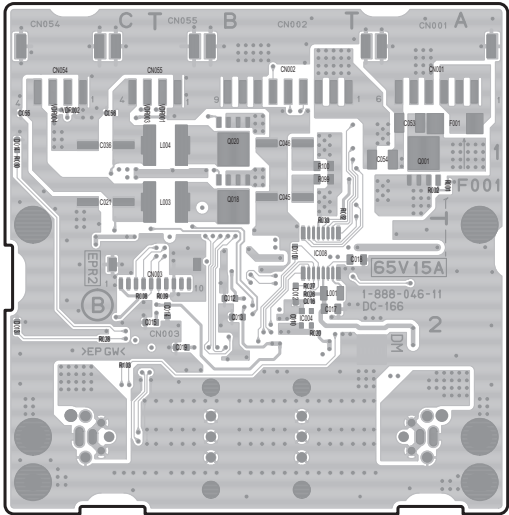


DC-166

The location is described at the end in this section.



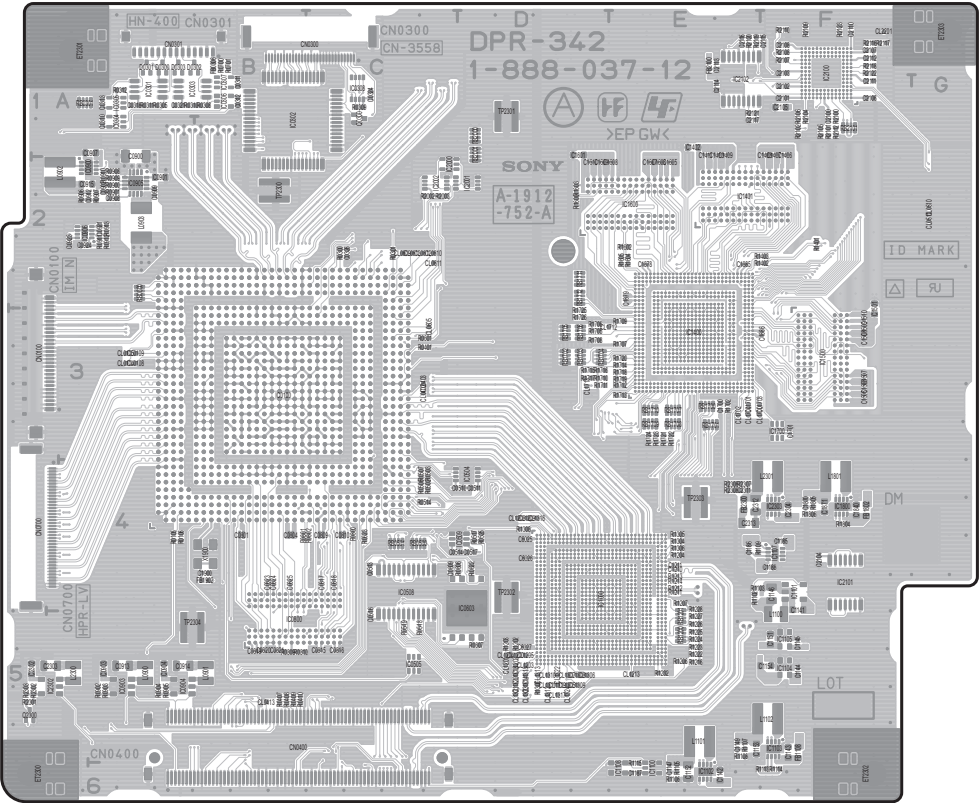
DC-166 -A SIDE-
SUFFIX: -11



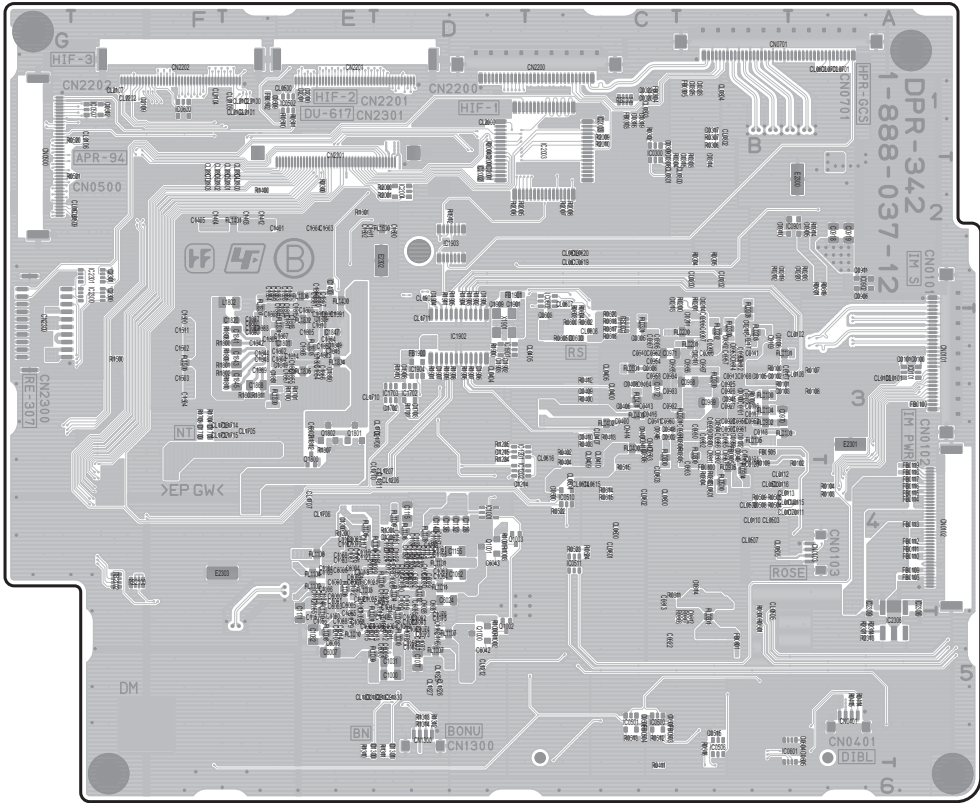
DC-166 -B SIDE-
SUFFIX: -11

DPR-342

The location is described at the end in this section.

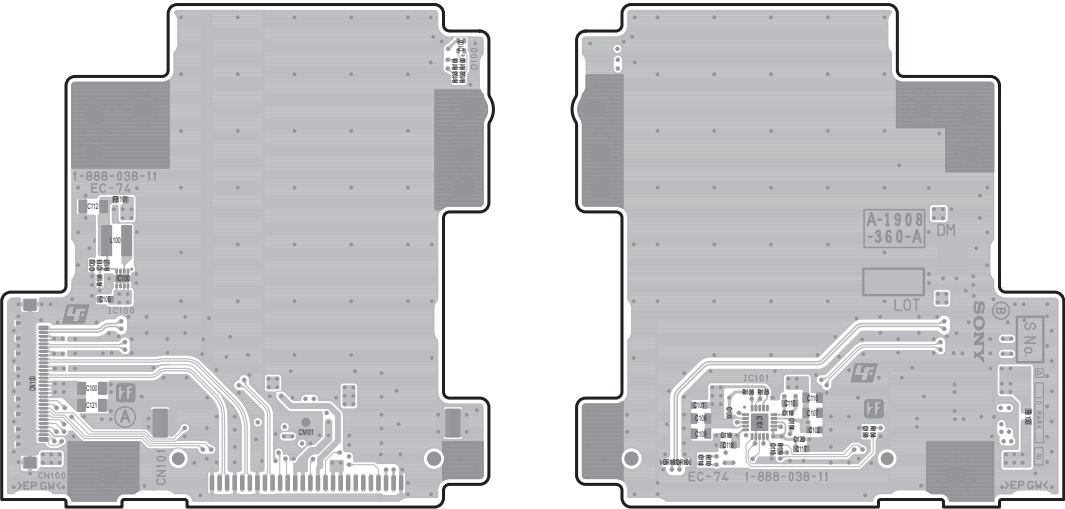


DPR-342 -A SIDE-
SUFFIX: -12



DPR-342 -B SIDE-
SUFFIX: -12

EC-74

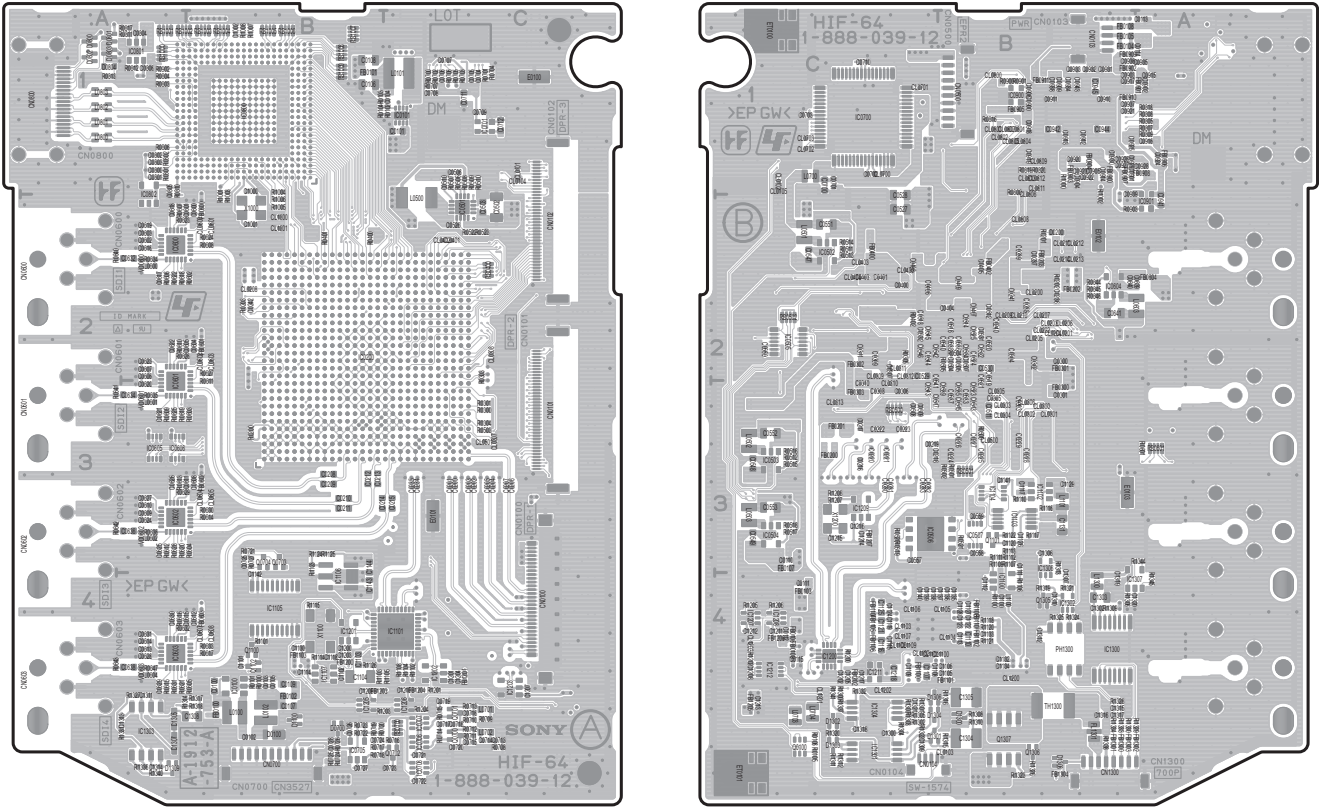


EC-74 -A SIDE-
SUFFIX: -11

EC-74 -B SIDE-
SUFFIX: -11

HIF-64

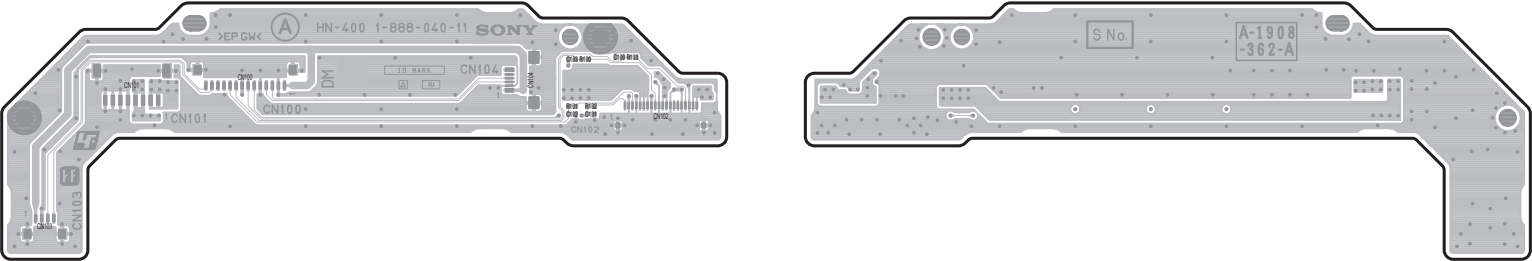
The location is described at the end in this section.



HIF-64 -A SIDE-
SUFFIX: -12

HIF-64 -B SIDE-
SUFFIX: -12

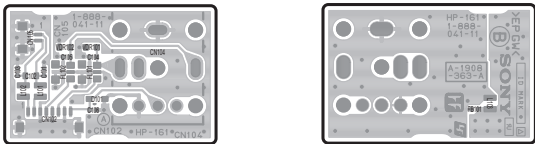
HN-400



HN-400 -A SIDE-
SUFFIX: -11

HN-400 -B SIDE-
SUFFIX: -11

HP-161

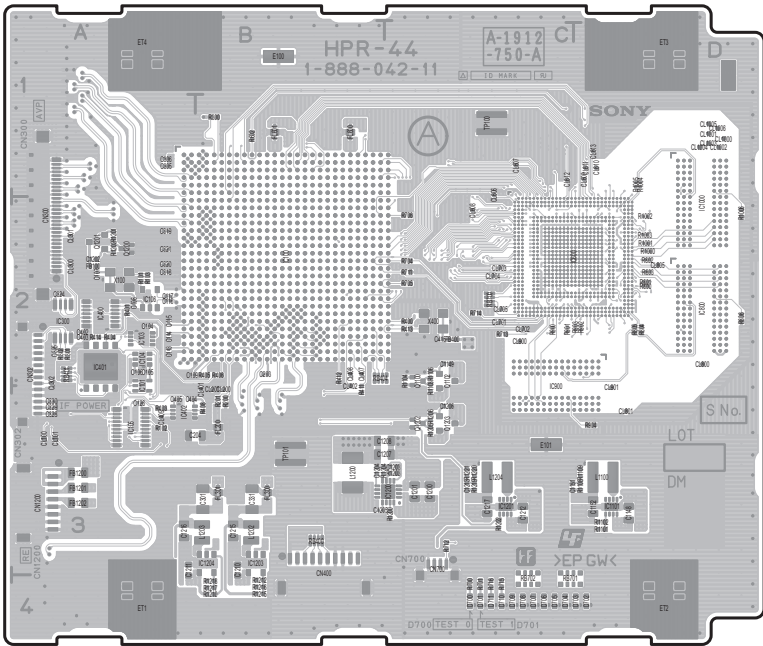


HP-161 -A SIDE-
SUFFIX: -11

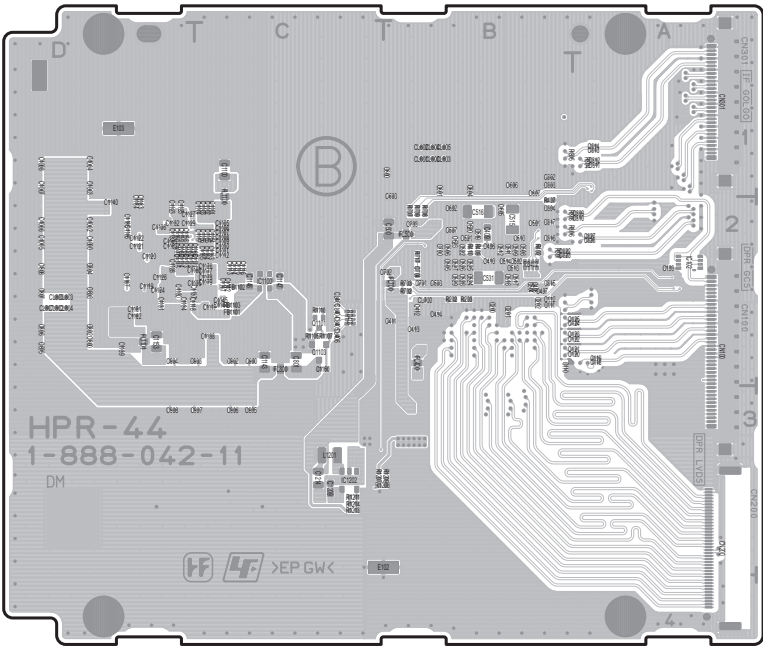
HP-161 -B SIDE-
SUFFIX: -11

HPR-44

The location is described at the end in this section.



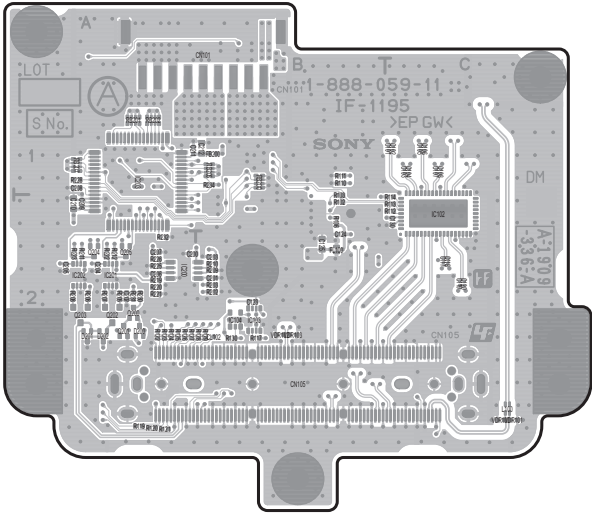
HPR-44 -A SIDE-
SUFFIX: -11



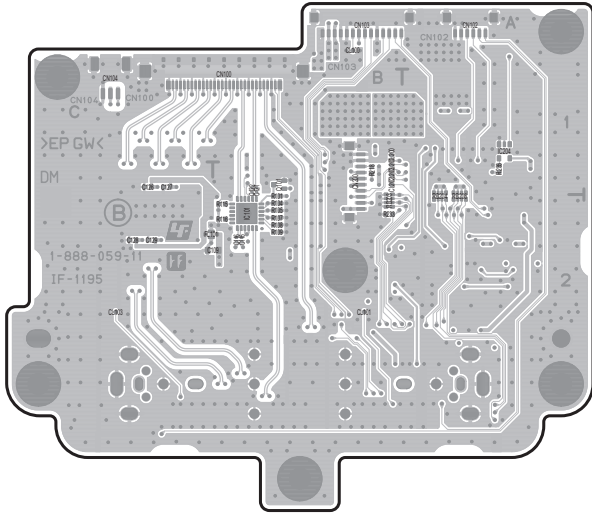
HPR-44 -B SIDE-
SUFFIX: -11

IF-1195

The location is described at the end in this section.

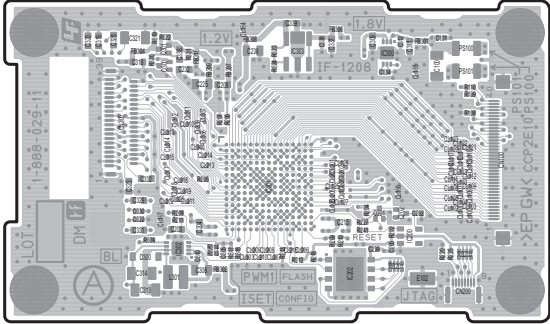


IF-1195 -A SIDE-
SUFFIX: -11

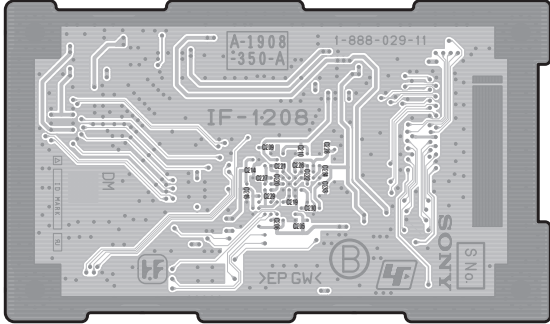


IF-1195 -B SIDE-
SUFFIX: -11

IF-1208

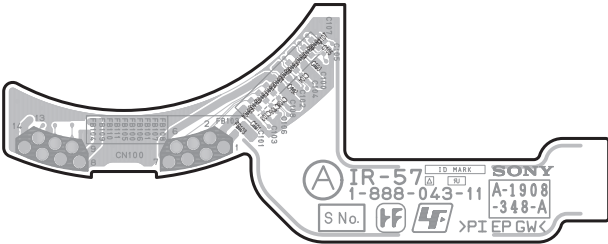


IF-1208 -A SIDE-
SUFFIX: -11

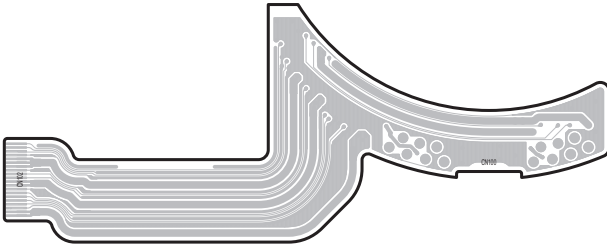


IF-1208 -B SIDE-
SUFFIX: -11

IR-57

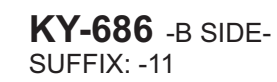


IR-57 -A SIDE-
SUFFIX: -11



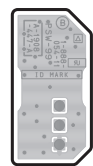
IR-57 -B SIDE-
SUFFIX: -11

The location is described at the end in this section.



The image shows a rectangular PCB component with several markings and features:

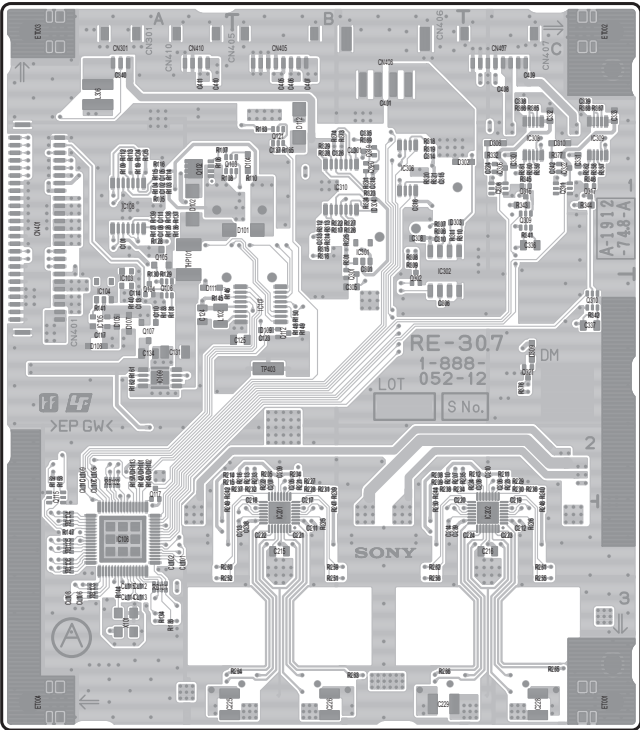
- Top Left:** A circular component, possibly a capacitor or inductor.
- Top Center:** A small integrated circuit (IC) labeled "CN1000".
- Top Right:** A larger IC labeled "DS-90C03".
- Middle Left:** The text "P54-11" and "PSW-99" are printed vertically.
- Middle Center:** The text "S1000" is printed horizontally.
- Middle Right:** A circular component with the letter "(A)" next to it.
- Bottom Left:** A circular component with the text "S1000" below it.
- Bottom Center:** A circular component with the text "S1000" below it.
- Bottom Right:** A circular component with the text "S1000" below it.



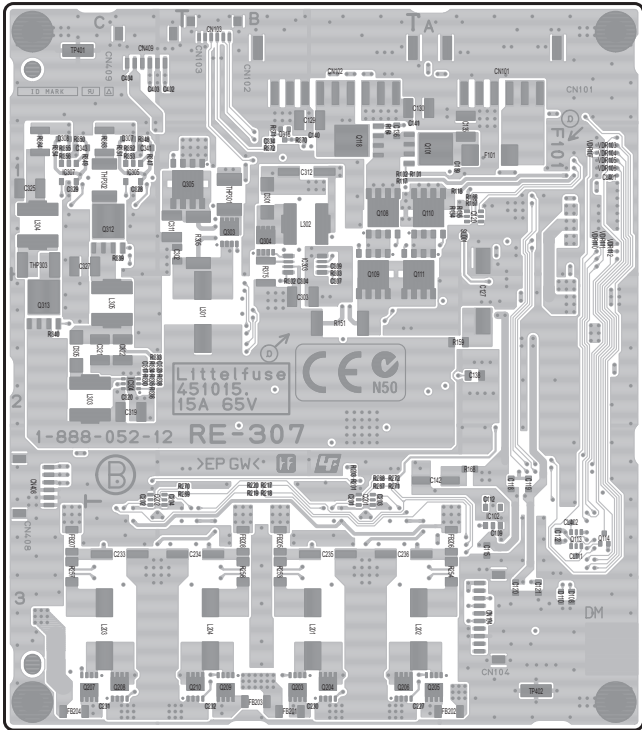
PSW-99 -B SIDE-
SUFFIX: -11

RE-307

The location is described at the end in this section.

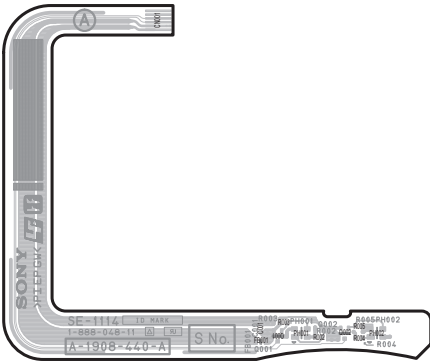


RE-307 -A SIDE-
SUFFIX: -12

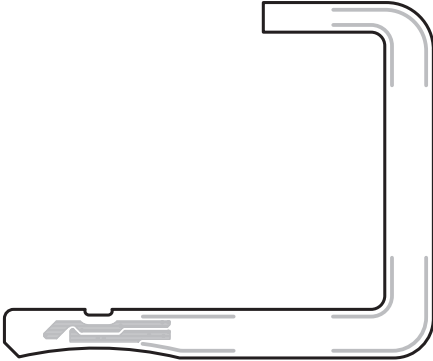


RE-307 -B SIDE-
SUFFIX: -12

SE-1114

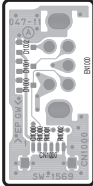


SE-1114 -A SIDE-
SUFFIX: -11



SE-1114 -B SIDE-
SUFFIX: -11

SW-1569

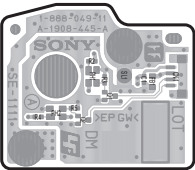


SW-1569 -A SIDE-
SUFFIX: -11

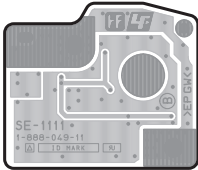


SW-1569 -B SIDE-
SUFFIX: -11

SE-1111

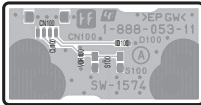


SE-1111 -A SIDE-
SUFFIX: -11



SE-1111 -B SIDE-
SUFFIX: -11

SW-1574



SW-1574 -A SIDE-
SUFFIX: -11



SW-1574 -B SIDE-
SUFFIX: -11

Board Parts Location

APR-94 1-888-031-11 *: B SIDE	C411	* B1	CL313	B2	CL601	B1	L602	A2	R223	* D1	R626	* B3	AVP-19 1-888-032-12 *: B SIDE	C802	C1	C1256	* B3	C2018	* D2	CL402	A2	CN100	C4	FL1204	* B3	Q2002	B1	R510	B3	R910	* A4
	C412	* B1	CL314	B2	CL602	B1	L603	A2	R224	D1	R627	* A3		C803	C1	C1257	* B3	C2019	* D3	CL403	A2	CN150	D4	FL1205	* B3	Q2101	A1	R513	B3	R911	* A4
	C413	* B1	CL315	B2	CL603	B1	L604	A1	R225	D1	R628	* A3		C804	C1	C1258	* B3	C2020	* C2	CL500	C3	CN200	A3	FL1206	* B3			R514	C3	R912	* A4
	C414	* B1	CL316	B1	CL604	B1	L609	A2	R226	D1	R629	* A3		C805	C1	C1259	* A3	C2022	D2	CL501	C2	CN201	A4	FL1207	* B3	R100	C5	R600	* B3	R913	* A4
	C117	C3	C415	* B1	CL317	B2	CL605	B1	L610	B3	R227	D1		C806	C1	C1262	* B3	C2023	* D2	CL502	C3	CN202	* A1	FL1208	* B3	R207	A2	R601	B4	R914	* A4
	C118	D3	C416	* B1	CL318	B2	CL606	B1	L611	B3	R228	D1		C807	D1	C1263	* B3	C2024	* D2	CL600	C3	CN203	D3	FL1209	* B3	R208	* A2	R602	B3	R915	* B4
	C119	D2	C417	* B1	CL319	B2			L612	B3	R229	D1		C808	D1	C1264	* A3	C2025	* C2	CL601	B4	CN204	A5	FL1210	* B4	R209	A2	R700	* C3	R916	* A4
	C120	D2	C418	* B1	CL320	B2	CN101	B1	L613	A3	R230	* D3		C809	C1	C1265	* A3	C2027	D2	CL602	B4	CN205	* A2	FL1211	* A3	R210	* A2	R701	* C3	R917	* A4
	C121	* C3	C419	* B1	CL321	B2	CN102	D2	L614	A2	R301	B1		C810	C1	C1266	* B3	C2028	* D3	CL605	B3	CN206	B1	FL1212	* A3	R211	A2	R702	* C3	R918	* A4
	C122	* C2	C420	* B1	CL322	B2	CN103	D3	L616	B3	R302	B1		C811	C1	C1267	* B3	C2029	* D2	CL606	B4	CN600	C4	FL1213	* B3	R300	A3	R703	* C3	R919	* A4
	C123	* D2	C421	* B1	CL323	B2	CN109	A3	L617	B3	R303	B1		C813	* D1	C1271	* A3	C2030	* D2	CL609	* B4	CN1104	* D5	FL1214	* B3	R301	A3	R704	* C3	R920	* A4
C124	* D2	C422	* B2	CL324	B2	CN401	A1	L618	A2	R304	B1	R643	* C3	C814	* C1	C1272	* A3	C2100	B1	CL610	* C4	CN1700	B1	FL1501	* D2	R302	A4	R705	* B3	R921	* A4
C125	* C3	C423	* B2	CL325	B2	CN402	A1			R305	B1	R646	* C3	C815	D1	C1273	* A3	C2101	B1	CL611	C3	CN1701	C1	FL1502	* D2	R304	* A3	R706	* C3	R922	* A4
C126	* C2	C424	A1	CL326	B1	CN501	A2			R306	B1	R649	* C3	C816	D1	C1274	* B3	C2102	A1	CL700	* C3	CN2000	B1	FL1503	* D2	R305	A4	R707	* C3	R923	* B4
C127	C3	C425	A1	CL327	B1			Q115	* C2	R307	B1	R650	B3	C817	D1	C1275	* B3	C2103	A1	CL701	* C3	CN2100	A1	FL1504	* C2	R306	* A3	R708	* C3	R924	* B4
C128	C2	C426	* A1	CL328	B1	D105	* C2	Q116	* D2	R308	B2	R651	B3	C900	A3	C1276	* B4	C2104	B1	CL702	* C3			FL1505	* C2	R307	* A3	R709	* C3	R925	* B4
C129	D2	C427	* A1	CL329	B1	D106	* D2	Q120	D2	R309	B1	R652	B3	C901	A3	C1279	* B4	C2105	A1	CL703	* C3	D800	C1	FL1506	* C2	R308	A4	R710	* C3	R926	A4
C130	D2	C428	* A2	CL330	B1	D202	* D1	Q202	D1	R310	B1	R653	B3	C902	A3	C1280	* A3	C2106	A1	CL704	* C3	D801	D1	FL1600	* D3	R309	A4	R711	* C3	R927	A4
C131	* C2	C429	* A2	CL331	* B2	D203	* D1	Q203	D1	R311	B2	R655	B1	C903	A3	C1281	* A3	C2107	A1	CL800	C1	D802	D1	FL1601	* D4	R311	B4	R712	* C3	R928	A4
C132	* C2	C430	* B2	CL332	* B2	D301	A1	Q601	* B3	R312	B1			C908	B4	C1285	* B4	C2108	A1	CL801	C1	D2100	A1	FL2001	* D2	R318	A4	R713	* C3	R929	A4
C133	* C2	C431	* B2	CL333	* B1	D501	A1	Q603	* C3	R313	B1	RB301	* B1	C909	B4	C1286	* A3	C2109	A1	CL802	C1	D2101	A1	FL2002	* C2	R320	* A4	R714	* C3	R930	A4
C134	* C2	C432	* A1	CL334	* B1	D601	A2	Q605	* C3	R314	A1	RB302	B2	C910	B4	C1287	* A3	C2110	A1	CL803	C1	D2102	A1	FL2003	* C2	R321	A4	R715	* C3	R931	* B4
C135	* C2	C433	* A1	CL335	* B1	D602	A3	Q608	* C3	R315	C1	RB303	B2	C911	B4	C1288	* B3	C2111	A1	CL804	C1	D2103	A1	FL2004	* D2	R322	A3	R716	* C3	R932	* A4
C136	* C2	C434	* B2	CL336	* B1	D603	B3			R316	B1	RB304	A2	C912	B4	C1289	* B4	C2112	* A1	CL805	C1			FL2005	* D3	R323	* A3	R718	* C3	R933	* A4
C137	C2	C435	* B2	CL337	* B1	D604	* C3	R161	* C3	R317	B1	RB401	* A1	C913	B4	C1290	* A3	C2113	B1	CL806	C1	E1	A1	FL2006	D2	R400	* B3	R724	* C3	R934	* B4
C138	C2	C436	* A1	CL338	* B1	D605	* C3	R162	* D3	R401	B2	RB402	* A1	C916	A4	C1508	* D2	C2114	* A1	CL807	C1	E2	D4			R401	B2	R727	* B3	R935	* B4
C139	* C2	C437	* A1	CL339	B1			R163	* D2	R402	B2	RB403	B1	C917	A5	C1510	* D2	C2115	D2	CL808	C1	E3	* C1	IC100	B3	R402	* B3	R728	* C3	R936	A4
C140	* C2	C501	B2	CL401	B2	E101	D2	R164	* D2	R403	B2	RB404	B1	C918	A4	C1511	* D2	C2212	A2	CL809	C1	E4	* D4	IC200	* A2	R403	* B3	R729	* C3	R937	A4
C141	* C2	C502	B2	CL402	A2	E201	C1	R165	* C3	R404	A2	RB501	B2	C919	* A4	C1512	* D2	C2213	A3	CL810	C1			IC201	A2	R404	* B3	R730	* C3	R938	A4
C142	* C2	C503	* B3	CL403	B2	E601	A3	R166	* D3	R405	B1	RB502	B2	C920	* A4	C1513	* D2	C2214	A3	CL811	C1	ET001	* A1	IC400	A2	R405	B2	R731	* C3	R939	A4
C143	* C2	C504	* B2	CL404	B2	E602	* C1	R167	* D2	R406	B1	RB601	D3	C921	* A4	C1514	* D2	C2215	A2	CL812	D1	ET002	* D1	IC401	B2	R406	B2	R732	* C3	R940	A4
C144	* C2	C505	B3	CL405	A2			R168	* D3	R407	B2	RB602	D3	C922	A4	C1516	* D2	C2216	A2	CL950	* A4	ET003	* A5	IC500	C3	R407	B2	R733	* C3	R941	A4
C145	C2	C506	* B2	CL406	A1	ET601	* A3	R169	* D2	R408	B2			C923	* A4	C1517	* D2	C2217	A2	CL951	A4	ET004	* D5	IC501	C2	R408	B2	R734	* C3	R950	* A4
C146	C2	C507	* B2	CL407	A1	ET602	* D3	R170	* D2	R409	B1	SL601	D3	C924	* A5	C1518	* D2	C2218	A2	CL952	A4			IC502	C3	R409	B2	R735	* C3	R951	A4
C147	C2	C508	* B2	CL408	B2	ET603	* A1	R171	* D2	R410	* B2	SL602	D1	C925	* A5	C1544	* D2	C2219	D4	CL953	* B4	FB401	A2	IC700	* C3	R410	B2	R736	* C3	R952	* A4
C148	C2	C603	A3	CL409	B1	ET604	* D1	R172	* D2	R411	* B2	SL606	C3	C1000	* B4	C1546	* D2	C2220	D4	CL954	* B4	FB500	C3	IC800	C1	R411	B2	R737	* C3	R953	* B4
C149	C2	C604	A2	CL410	A1			R174	* C3	R412	* B1	X501	B2	C1001	* C4	C1548	* D2	C2221	D4	CL1000	C3	FB501	C3	IC801	* D1	R412	B2	R800	C1	R954	* B4
C202	C1	C605	A1	CL411	B1	FB401	A2	R175	* D3	R413	* B1			C437	* B2	C1549	* C2	C2223	D2	CL1001	* B3	FB502	* B3	IC802	D1	R413	B2	R801	C1	R955	* B4
C203	C1	C606	A2	CL412	B1	FB404	* B2	R176	* D2	R414	* B2			C438	* B2	C1550	* C2	C2224	D2	CL1002	* B3	FB800	C1	IC803	D1	R414	B2	R802	C1	R956	A4
C204	* D1	C607	A1	CL413	B1	FB501	B2	R177	* D2	R415	* B1			C439	* B2	C1552	* D2	C2225	* D3	CL1003	B4	FB900	A4	IC900	A4	R415	B2	R803	C1	R957	A4
C205	* D1	C608	A1	CL414	* B1	FB608	A3	R179	* C2	R416	* B1			C440	B2	C1553	* C2	C2226	* D3	CL1004	B4	FB901	A4	IC901	* A4	R416	B2	R804	C1	R958	* A4
C206	* D1	C609	A1	CL415	* B1	FB609	A2	R180	* D2	R417	* B1			C441	B2	C1555	* C2			CL1005	B4	FB902	* B4	IC1000	* B4	R417	B2	R805	C1	R959	A4
C207	* D1	C610	A1	CL416	* B1	FB611	A2	R181	* D2	R418	* A2			C442	B2	C1556	* D2	CL101	C4	CL1105	* B3	FB903	* A4	IC1001	* B4	R418	B2	R806	C1	R960	* A5
C208	* D1	C612	A2	CL417	* B1	FB612	A1	R182	* D2	R419	* A2			C443	B2	C1557	* D2	CL102	C4	CL1106	* A3	FB1000	* C4	IC1002	* C4	R419	B2	R807	D1	R961	* A5
C209	* D1	C613	A2	CL418	B1	FB613	A3	R183	* C3	R420	* A2			C444	B2	C1558	* C2	CL103	C4	CL1107	* A3	FB1001	* C4	IC1003	* C4	R420	B2	R808	D1	R962	* A5
C210	D1	C614	A2	CL419	A1	FB615	B3	R184	* C2	R421	* A2			C445	B2	C1600	* D3	CL104	C4	CL1108	B3	FB1002	* B4	IC1100	* A3	R421	B2	R817	C1	R963	* A5
C211	D1	C615	A1	CL420	A1			R185	* C3	R422	* A2			C446	B2	C1601	* D4	CL105	C5	CL1109	C3	FB1003	* C5	IC1200	* B3	R422	B2	R818	C1	R964	* A5
C212	D1	C616	A3	CL421	B1	FL202	* D1	R186	* C2	R423	* A2			C447	B2	C1602	* D3	CL106	C4	CL1110	* B3	FB1200	* B3	IC1201	* A3	R423	B2	R819	C1	R965	* A5
C213	D1	C617	A2	CL422	B1	FL501	B3	R187	* C3	R424	* A2			C448	* B2	C1603	* D3	CL112	C4	CL1111	* D5	FB1208	* A3	IC1400	D3	R424	B2	R820	C1	R966	* B5
C214	* D1	C618	A1	CL423	A1			R188	* D2	R425	* A2			C449	* B2	C1604	* D3	CL113	C5	CL1112	* D5	FB1500	D1	IC1500	D2	R425	B2	R821	C1	R967	* B5
C215	* D1	C619	A3	CL424	B1	IC103	* C2	R189	* C3	R501	* A2			C450	* B2	C1605	* D3	CL114	D4	CL1113	* D5	FB1610	* D3	IC1502	C2	R426	A2	R822	D1	R968	* A5
C216	* D1</																														

R1041 *B4	R1801 *C2	R2208 D4	CN-3528	1-888-035-11	CN-3530	1-888-036-12	R130 A1	DC-166	1-888-046-11	IC003 B2	R073 B1	DPR-342	1-888-037-12	C1122 *D4	C1511 *F3	C1902 *D3	C0106 *B3	C0612 *B3	C0970 *B3	CL1210 *D4
R1043 *C4	R1804 *C2	R2209 D4																		
R1044 *C4	R1805 *C2	R2210 D4	*: B SIDE	C1000 *A2	C1001 B1	C1002 B1	R131 A2	*: B SIDE	C001 B2	IC004 *B2	R074 B1	*: B SIDE	C1123 *D4	C1600 *D2	C1903 *D3	C0107 *B3	C0613 *B3	C0971 *C3	CL1211 *D4	
R1045 *B4	R1809 *D2	R2211 *D3																		
R1046 *B4	R1810 *D2	R2212 *D3	*: B SIDE	C1000 *A2	C1001 B1	C1002 B1	R132 A2	*: B SIDE	C002 B2	IC005 B2	R075 C1	*: B SIDE	C1124 *D4	C1601 D1	C1904 *D2	C0108 *B3	C0614 *B3	C0972 *C3	CL1212 *D5	
R1047 *C4	R1811 *D2	R2213 D2																		
R1048 *C4	R1813 *D3	R2214 D2	*: B SIDE	C1000 *A2	C1001 B1	C1002 B1	R133 *B1	*: B SIDE	C003 B2	IC006 B2	R076 B1	*: B SIDE	C1128 *D4	C1602 *E2	C1905 *D2	C0109 *B3	C0700 *B3	C0701 *B3	CL0100 *A3	CL1213 E5
R1049 *B4	R1814 *D3																			
R1050 *B4	R1817 C3	RB100 C4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R134 *B2	*: B SIDE	C008 B2	IC020 B1	R081 B2	*: B SIDE	C1133 *D4	C1607 E2	C2000 *D2	C0120 *B4	C0700 *B3	C0802 *B3	CL0105 A3	CL1309 D5
R1051 *B4	R1820 D3	RB300 A3																		
R1052 *B4	R1821 D3	RB301 A3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R135 *B2	*: B SIDE	C009 B2	IC021 B2	R082 B2	*: B SIDE	C1134 *D4	C1608 E2	C2001 *D2	C0121 *B4	C0700 *B3	C0803 *B4	CL0106 *A3	CL1310 D5
R1053 *B4	R1833 *B1	RB302 A4																		
R1054 *B4	R1834 C2	RB303 A4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R136 *B2	*: B SIDE	C006 B2	IC019 B1	R080 B2	*: B SIDE	C1132 *D4	C1606 E2	C1909 *D2	C0118 *B3	C0801 B4	CL0104 A3	CL1308 D5	
R1055 *B4	R1835 C2	RB304 A4																		
R1056 *B4	R1836 C1	RB305 A4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R137 B1	*: B SIDE	C008 B2	IC020 B1	R081 B2	*: B SIDE	C1133 *D4	C1607 E2	C2000 *D2	C0120 *B4	C0700 *B3	C0802 *B3	CL0105 A3	CL1309 D5
R1058 B3	R1900 C2	RB306 A4																		
R1100 B3	R1901 C2	RB307 A4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R138 A1	*: B SIDE	C009 B2	IC021 B2	R082 B2	*: B SIDE	C1134 *D4	C1608 E2	C2001 *D2	C0121 *B4	C0700 *B3	C0803 *B4	CL0106 *A3	CL1310 D5
R1103 *B3	R1922 *D3	RB308 A4																		
R1104 B3	R1923 *D3	RB309 A4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R139 B2	*: B SIDE	C010 *B2	IC022 A2	R083 B2	*: B SIDE	C1135 *D4	C1609 D2	C2002 *D2	C0122 *B3	C0700 *B3	C0804 B4	CL0108 A3	CL1311 D5
R1105 B3	R1924 *C3	RB310 A4																		
R1106 B3	R1931 D3	RB311 A4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R141 B1	*: B SIDE	C011 B2	IC000 B2	R084 B2	*: B SIDE	C1136 *D4	C1610 D2	C2003 *C1	C0200 *B3	C0700 *B3	C0809 C4	CL0109 A3	CL1312 D5
R1109 *B3	R1932 D3	RB312 B4																		
R1119 B3	R1933 D3	RB313 A4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R142 B1	*: B SIDE	C012 *B2	IC001 *B2	R085 B2	*: B SIDE	C1137 *D4	C1611 *E2	C2100 F1	C0201 *B3	C0700 *B3	C0810 C4	CL0110 *B4	CL1313 D5
R1121 *C5	R1934 D3	RB314 A4																		
R1126 *C5	R1935 D3	RB600 C4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R143 B2	*: B SIDE	C013 *B2	IC002 *B2	R088 B2	*: B SIDE	C1138 *D4	C1700 E3	C2101 F1	C0206 *B3	C0700 *B3	C0811 *B3	CL0111 *A4	CL1314 D5
R1127 *C5	R1936 D3	RB601 C4																		
R1128 *C5	R1937 D3	RB602 C4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R144 B2	*: B SIDE	C014 *B2	IC003 *B2	R089 B2	*: B SIDE	C1139 *D4	C1701 F3	C2102 F1	C0207 *B3	C0700 *B3	C0812 *B5	CL0112 *B4	CL1315 D5
R1134 *A3	R1938 D3	RB603 C4																		
R1135 A3	R2010 *D2	RB604 C4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R145 B1	*: B SIDE	C015 *C2	IC004 *B2	R090 A2	*: B SIDE	C1140 *D4	C1702 *D3	C2103 F1	C0210 *B3	C0700 *B3	C0813 *C4	CL0113 *B4	CL1316 D4
R1137 *A3	R2014 D2	RB605 C4																		
R1139 B3	R2016 D3	RB606 C4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R146 B1	*: B SIDE	C016 *B2	IC005 B2	R091 B2	*: B SIDE	C1141 F4	C1703 *D3	C2104 F4	C0211 *B3	C0700 *B3	C0814 *B4	CL0114 *B4	CL1317 D5
R1140 B3	R2017 D3	RB607 C4																		
R1141 A3	R2018 D3	RB608 C4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R147 B2	*: B SIDE	C017 *B2	IC006 B2	R092 A2	*: B SIDE	C1142 E6	C1800 *E3	C2105 F1	C0213 *C2	C0700 *B3	C0815 C5	CL0115 *A4	CL1318 D5
R1142 A3	R2019 *D2	RB609 C4																		
R1143 *C5	R2020 *D3	RB610 C4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R148 B2	*: B SIDE	C018 *A2	IC007 B2	R093 C1	*: B SIDE	C1143 F5	C1801 *E3	C2106 F1	C0214 *B2	C0700 *B3	C0816 C5	CL0116 *B4	CL1319 D5
R1144 *A3	R2021 *D3	RB611 C4																		
R1145 *C5	R2024 C2	RB612 C4	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R149 B1	*: B SIDE	C019 *B2	IC008 *B2	R094 C1	*: B SIDE	C1144 F5	C1802 *E3	C2107 F1	C0217 *B3	C0700 *B3	C0817 C4	CL0117 *B4	CL1320 D5
R1149 B3	R2025 C2	RB613 C4																		
R1150 B3	R2026 D2	RB700 *C3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R150 B2	*: B SIDE	C021 *C1	IC009 B2	R096 C2	*: B SIDE	C1145 F5	C1803 *E3	C2108 F1	C0218 *B3	C0700 *B3	C0818 C4	CL0200 *B2	CL1321 D5
R1155 *D5	R2027 D2	RB701 *C3																		
R1156 *D5	R2028 C3	RB800 D1	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R151 *B1	*: B SIDE	C030 C1	IC006 A1	R097 C2	*: B SIDE	C1146 F4	C1804 *E3	C2109 *F1	C0219 *B2	C0700 *B3	C0819 B5	CL0202 *B2	CL1322 D5
R1157 *A3	R2029 C3	RB801 D1																		
R1158 *C5	R2030 D2	RB802 *C1	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R152 *B2	*: B SIDE	C032 C1	IC007 B1	R099 *B1	*: B SIDE	C1147 E6	C1805 *E3	C2110 F1	C0220 *A2	C0700 *B3	C0820 B5	CL0300 *B2	CL1323 D5
R1159 A3	R2031 C3	RB803 *C1																		
R1201 *B3	R2032 *D2	RB1000 B3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R153 B1	*: B SIDE	C036 *C1	IC008 A1	R099 *B1	*: B SIDE	C1149 E5	C1806 *E3	C2111 F1	C0302 *B3	C0700 *B3	C0821 B5	CL0301 *C2	CL1324 D5
R1202 *B3	R2033 *D2	RB1001 *B3																		
R1400 *D3	R2036 B1	RB1100 B3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R154 B1	*: B SIDE	C037 B1	IC009 C2	R099 *B1	*: B SIDE	C1151 F5	C1807 *E3	C2112 F1	C0305 *C3	C0700 *B3	C0822 *C5	CL0302 *B1	CL1325 *D5
R1403 D2	R2100 A1	RB1102 *C5																		
R1404 D2	R2101 A1	RB1103 *D5	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R155 B2	*: B SIDE	C040 B2	IC011 B1	R099 *B1	*: B SIDE	C1152 E6	C1808 *E3	C2113 E1	C0306 *C3	C0700 *B3	C0823 B4	CL0303 *C1	CL1326 *D5
R1506 D2	R2104 B1	RB1104 *C5																		
R1507 *D2	R2105 B1	RB1105 *D5	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R156 B2	*: B SIDE	C041 B2	IC015 C1	R099 *B1	*: B SIDE	C1153 E5	C1809 *E3	C2114 E1	C0307 *C3	C0700 *B3	C0824 B4	CL0304 *B1	CL1327 *D5
R1508 *D2	R2106 A1	RB1400 *D3																		
R1509 *C2	R2107 B1	RB1401 D3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R157 B1	*: B SIDE	C042 B2	IC018 *B1	R099 *B1	*: B SIDE	C1154 F5	C1810 *E3	C2115 F1	C0308 *C2	C0700 *B3	C0825 B4	CL0400 *C3	CL1328 *D5
R1510 *C2	R2109 A1	RB1402 *D3																		
R1511 D1	R2123 B1	RB1403 D3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R158 B1	*: B SIDE	C043 C2	IC020 *B1	R099 *B1	*: B SIDE	C1155 *D4	C1811 *E3	C2116 E1	C0309 *C1	C0700 *B3	C0826 A4	CL0402 C3	CL1329 *D5
R1512 D1	R2124 A1	RB1404 D3																		
R1600 *D3	R2160 A1	RB1405 D3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R159 B2	*: B SIDE	C044 B1	IC021 B2	R099 *B1	*: B SIDE	C1156 *E4	C1812 *E3	C2117 E1	C0310 A1	C0700 *B3	C0827 A4	CL0403 C3	CL1330 *D5
R1601 *D3	R2161 A1	RB1406 D3																		
R1602 *D3	R2164 A1	RB1407 D3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R160 B2	*: B SIDE	C045 *B1	IC022 C1	R099 *B1	*: B SIDE	C1157 *E5	C1813 *E3	C2200 *E1	C0311 B1	C0700 *B3	C0828 A4	CL0404 *D3	CL1331 *E5
R1611 C3	R2165 A1	RB1600 C3																		
R1618 C3	R2166 A1	RB1601 C3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R161 *B2	*: B SIDE	C046 *B1	IC023 C1	R099 *B1	*: B SIDE	C1158 *D4	C1814 *E3	C2201 *E1	C0312 B1	C0700 *B3	C0829 A4	CL0405 *C3	CL1332 D5
R1619 C3	R2167 A1	RB1602 C3																		
R1635 C3	R2168 A1	RB1901 *D3	*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R162 *B2	*: B SIDE	C047 B1	IC024 B1	R099 *B1	*: B SIDE	C1159 *D5	C1815 *E3	C2202 *E1	C0313 A1	C0700 *B3	C0830 A4	CL0406 *C3	CL1333 *E5
R1639 *C3	R2169 A1																			
R1640 C3	R2170 A1		*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R162 *B2	*: B SIDE	C048 A2	IC025 A2	R099 *B1	*: B SIDE	C1160 *E5	C1816 *E3	C2203 *E1	C0314 *B2	C0700 *B3	C0831 B5	CL0407 *C3	CL1334 D5
R1641 C3	R2171 A1																			
R1642 C3	R2172 A1		*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R162 *B2	*: B SIDE	C049 A2	IC026 A2	R099 *B1	*: B SIDE	C1161 *D4	C1817 *E3	C2204 *E1	C0315 *B2	C0700 *B3	C0832 B5	CL0408 A3	CL1335 D5
R1643 C3	R2173 A1																			
R1644 C3	R2174 A1		*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R162 *B2	*: B SIDE	C050 A2	IC027 A2	R099 *B1	*: B SIDE	C1162 *D5	C1818 *E3	C2205 *E1	C0316 *C1	C0700 *B3	C0833 B5	CL0409 *C4	CL1336 D5
R1645 C3	R2175 *A1																			
R1647 *C3	R2176 *A1		*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R162 *B2	*: B SIDE	C051 C1	IC028 A2	R099 *B1	*: B SIDE	C1163 *D5	C1819 *E3	C2206 *E1	C0317 *B1	C0700 *B3	C0834 B5	CL0410 *C4	CL1337 D5
R1648 *C3	R2177 *A1																			
R1650 C3	R2178 *A1		*: B SIDE	C1004 B1	C1005 B1	C1006 *A2	R162 *B2	*: B SIDE	C052 C1	IC029 A2	R099 *B1	*: B SIDE	C1164 *D5	C1820 *E3	C2207 *E1	C0318 A1	C0700 *B3	C0835 B5	CL0411 *C4	CL1338 D5

CN2201 *E1	FL0905 *B4	IC1202 *D4	R1228 E4	R2004 *D1	R0503 C4	RB1703 D3	HIF-64 1-888-039-12 *: B SIDE	C1314 A4	C0404 *B2	C0622 A2	C0932 *B1	CL1101 *C4	FB0901 *A1	IC1300 *B4	R1125 B3	R0510 C1
CN2202 *F1	FL1000 *D5	IC1400 E3	R1232 E5	R2005 *D2	R0504 *B4	RB1704 D3		C1315 *B4	C0405 *B2	C0623 A2	C0933 *B1	CL1102 *C4	FB0902 *B1	IC1301 *C4	R1126 B4	R0511 *C2
CN2300 *G3	FL1001 *E5	IC1401 E2	R1234 *D4	R2006 *D2	R0505 *B4	RB1705 D3		C1316 *B4	C0406 *C2	C0624 A3	C0934 *B1	CL1103 *C4	FB0903 *B1	IC1302 *B4	R1200 *C4	R0512 *C3
CN2301 *E1	FL1002 *D5	IC1500 F3	R1235 *D3	R2007 *C2	R0506 C4	RB1706 D3		C1317 *B4	C0407 *B2	C0625 A3	C0935 *A1	CL1104 *B4	FB0904 *B1	IC1303 A4	R1201 C4	R0513 *C2
D1300 *D5	FL1003 *E4	IC1600 E2	R1304 E4	R2008 *C2	R0507 C4	RB1707 E3		C1318 *C4	C0408 *C2	C0626 A3	C0936 *B1	CL1105 *B4	FB0905 *B1	IC1304 *C4	R1202 *C4	R0514 *C2
D1301 *D5	FL1004 *D4	IC1700 F3	R1305 E4	R2009 *C1	R0508 *B4	RB1708 E3		C1319 *B4	C0409 *B2	C0627 A3	C0937 *B1	CL1106 *C4	FB0906 *A1	IC1306 *B3	R1203 C4	R0515 *C3
D1700 *F3	FL1005 *D4	IC1702 *D3	R1306 E4	R2010 *C1	R0509 *B4	RB1709 E3		C1320 *B4	C0502 C2	C0628 A4	C0938 *B1	CL1107 *C4	FB0907 *B1	IC1307 *B4	R1204 C4	R0516 *C3
D1701 *F3	FL1006 *E4	IC1703 *D3	R1307 D5	R2100 F1	R0510 *E1	RB1710 E3		C1321 *C4	C0503 C2	C0629 A4	C0939 *B1	CL1108 *C4	FB0908 *A1		R1205 *C4	R0517 *C3
	FL1007 *D5	IC1800 F4	R1308 D4	R2101 F1	R0511 *E1	RB1711 D2			C0504 *B2	C0630 A4	C0941 *A2	CL1109 *C4	FB0909 *B1	L1100 *B4	R1206 *C4	R0518 *C3
	FL1008 *E5	IC1901 *D3	R1310 *E5	R2102 F1	R0512 *C5	RB1712 D2			C0505 *B2	C0631 A4	C0942 *B1	CL1200 *B4	FB0910 *B1	L1101 *B3	R1207 *C3	R0519 *C3
D0300 A1	FL1009 *E5	IC1902 *D3	R1311 *D5	R2104 F1	R0513 *C5	RB2000 D1		C0100 B4	C0506 C1	C0632 A2	C0943 *B1	CL1201 *C4	FB0911 *B1	L1300 *B4	R1208 *C3	R0520 *C3
D0301 A1	FL1010 *E5	IC1903 *D2	R1312 *D5	R2105 F1	R0514 C4	RB2001 D1		C0102 B4	C0507 *B2	C0634 A3	C0944 *B1	CL1202 *C4	FB1100 *C4		R1300 *C4	R0521 *B3
D0302 A1	FL1011 *D4	IC1904 *D3	R1313 *D5	R2106 F1	R0515 *C4	RB2100 *F4		C0103 B4	C0508 *C3	C0636 A3	C0945 *B1	CL1203 *C4	FB1101 *B4	L0100 B4	R1301 *C4	R0522 C2
D0303 A1	FL1012 *D4	IC2000 C2	R1314 *D5	R2107 F1	R0516 *B5	RB2101 F1		C0104 C1	C0509 *C3	C0638 A4			FB1102 *B4	L0101 C1	R1302 *C4	R0523 C2
D0600 *C3	FL1100 *D4	IC2001 D2	R1400 *E2	R2108 F1	R0517 D4	RB2102 *F4		C0105 B4	C0510 C1	C0639 *A2	CL0101 C1	CN0100 C4	FB1103 B4	L0102 B4	R1303 *C4	R0601 *A3
	FL1101 *D4	IC2002 C2	R1401 F2	R2109 F1	R0518 C5		TP2300 B2	C0106 B1	C0511 *B3	C0640 *B2	CL0102 *C1	CN0101 C3	FB1104 *C4	L0500 C2	R1304 *C4	R0602 B2
E2300 *A2	FL1102 *E4	IC2003 *C1	R1402 F2	R2110 F1	R0519 C5		TP2301 D1	C0107 B4	C0512 *B2	C0641 *B2	CL0103 *B4	CN0102 C2	FB1105 *C4	L0501 *C2	R1305 *C4	R0603 B3
E2301 *A3	FL1103 *D4	IC2004 *D2	R1403 F2	R2112 F1	R0520 *F1		TP2302 D4	C0108 B1	C0513 *B3	C0700 *C1	CL0104 C1	CN0103 *B1	FB1106 *C4	L0502 *C3	R1306 *B4	R0604 B3
E2302 *D2	FL1104 *E4	IC2100 F1	R1500 *F3	R2116 F1	R0521 *F2		TP2303 E4	C0109 B4	C0514 *B2	C0701 *C1	CL0105 *C1	CN0104 *C4	FB1107 *B4	L0503 *C3	R1307 *C4	R0605 B4
E2303 *E4	FL1105 *E4	IC2101 F4	R1600 D2	R2117 F1	R0522 *C4		TP2304 A5	C0110 *C3	C0515 *B3	C0702 *C1	CL0200 *B2	CN0500 *B1	FB1108 *B4	L0600 A2	R1308 *B4	R0606 A2
	FL1106 *D4	IC2102 E1	R1601 *E2	R2118 F1	R0523 *C4			C0111 *C4	C0516 *B2	C0703 *C1	CL0201 *B2	CN0600 A2	FB1200 B4	L0601 A3	R1309 *B4	R0607 A2
ET2300 A6	FL1107 *D5	IC2300 *F2	R1602 E2	R2119 E1	R0524 *C4			C0112 *C4	C0517 *C3	C0704 C1	CL0202 *B2	CN0601 A2	FB1201 C4	L0602 A3	R1310 *B4	R0608 B2
ET2301 A1	FL1108 *E4	IC2301 *F2	R1603 D2	R2120 E1	R0525 D4	X1900 B4		C0113 *A1	C0518 *C2	C0705 C1	CL0203 *B2	CN0602 A3	FB1202 *C4	L0603 *A2	R1311 *C4	R0609 A3
ET2302 F6	FL1109 *D4	IC2302 A5	R1604 E2	R2121 E1	R0600 *C3	X1901 *D3		C0114 *A1	C0519 *B2	C0706 C1	CL0204 *B2	CN0603 A4	FB1203 B4	L0604 A4	R1312 *C4	R0610 A2
ET2303 G1	FL1110 *E4	IC2303 F4	R1605 E2	R2122 F1	R0601 C3			C0115 *C4	C0520 *B2	C0707 C1	CL0205 *B2	CN0700 B4	FB1204 C4	L0700 *C1	R1313 *B3	R0611 B3
	FL1400 *E2	IC2306 *A5	R1700 *E3	R2123 F1	R0602 *C3			C0200 C3	C0521 *B3	C0708 C1	CL0206 *B2	CN0800 A1	FB1205 *C4	L0701 C4	R1314 A4	R0612 A3
FB0100 *A3	FL1401 *E2		R1701 *E3	R2300 *E2	R0603 *C3			C0201 C3	C0522 *B2	C0709 C1	CL0207 *B2	CN1300 *B4	FB1206 *C4	L0702 C4	R1315 *B4	R0613 A3
FB0108 *A4	FL1500 *F3	L1100 F5	R1702 E3	R2301 A5	R0604 *C3			C0202 C3	C0523 *B3	C0710 *C1	CL0208 B2		FB1207 *C3	L0703 *C4	R1316 *B4	R0614 B3
FB0109 *A4	FL1600 *D2	L1101 E5	R1703 *F3	R2302 A5	R0605 *C3			C0203 C3	C0524 *B2	C0711 C1	CL0209 *B2	D1100 B4	FB1300 *B4	L0704 *C4	R1317 B4	R0615 A4
FB0110 *A4	FL1800 *E3	L1102 F5	R1704 *F3	R2303 A5	R0606 D4			C0204 C3	C0525 *B2	C0712 C1	CL0210 *B2	D1300 *B4	FB1301 *B4	L0800 A1	R1318 B4	R0616 A4
FB0111 *A4	FL1801 *E3	L1801 F4	R1705 D3	R2306 E4	R0607 D5			C0205 C3	C0526 C2	C0713 C4	CL0211 *B2	D1301 *C4	FB1302 *A4	L0801 A1	R1319 *B4	R0617 B4
FB0112 *A4	FL1802 *E3	L1802 *E2	R1706 D3	R2307 E4	R0614 *C4			C0206 C3	C0527 *C2	C0714 C4	CL0212 *B2	D1302 *C4	FB1303 *B4	L0802 A1	R1320 *C4	R0618 A2
FB0113 *A4	FL1803 *E3	L2300 A5	R1707 E3	R2308 E4	R0615 *C4			C0207 C3	C0528 *C2	C0715 C4	CL0213 *B2	D1303 *C4	FB1304 *B4	L0803 A1	R1321 *B4	R0619 A3
FB0114 *A4	FL1804 *E3	L2301 F4	R1708 D3	R2313 *A5	R0616 *C3			C0208 B3	C0529 *C2	C0716 C4	CL0214 *B2	D1304 *C4		R1322 *C4	R0620 A3	
FB0115 *A4	FL1805 *E3		R1709 E3	R2314 *A5	R0617 *C3			C0209 B3	C0530 *B2	C0717 C4	CL0300 *B3	D1305 A4	FL1301 *B4	PH1300 *B4	R1323 *B4	R0621 A4
FB0116 *A4	FL1806 *E2	L0900 A5	R1710 D3	R2321 *A5	R0618 *C3			C0210 B3	C0531 *B2	C0718 C4	CL0301 *B3	D1306 *C4		R1324 *B4	R0622 A2	
FB0117 *A4	FL1807 *E2	L0901 B5	R1711 D3		R0619 *A2			C0211 B3	C0532 *C2	C0719 C4	CL0302 *B3	D1307 A4	IC0100 B4	Q1100 B4	R1325 *B4	R0623 A2
FB0118 *A4		L0902 A2	R1712 E3	R0100 *B3	R0620 *C3			C0212 B3	C0533 *B3	C0720 C4	CL0303 *B3	D1308 *B4	IC0101 C1	Q1101 *B3	R1326 *B4	R0624 B2
FB0119 *A4	IC0100 B3	L0903 A2	R1713 E3	R0101 *B3	R0621 *A2			C0213 B3	C0534 *B2	C0721 C4	CL0304 *B3	D1309 A4	IC0200 B2	Q1102 B4	R1327 A4	R0625 A3
FB0303 *C1	IC0101 *A3		R1714 E3	R0102 *A4	R0622 D4			C0214 B3	C0535 *B3	C0722 C4	CL0305 *B3		IC0501 C2	Q1305 *B4	R1328 *B4	R0626 A2
FB0304 *C1	IC0300 *C1	Q1000 *D5	R1715 D3	R0103 *A4	R0623 C4			C0215 C3	C0536 *B2	C0723 C4	CL0306 *B3	D0100 B4	IC0502 *C2	Q1306 *B4	R1329 *A4	R0627 B2
FB0305 *B1	IC0301 A1	Q1001 *D4	R1716 D3	R0104 *A4	R0700 B1			C0216 *C3	C0537 *B3	C0724 B4	CL0307 C3	D0200 *B2	IC0503 *C3	Q1307 *B4	R1330 *B4	R0628 A3
FB0306 B1	IC0302 B1	Q1002 *D5	R1717 D3	R0105 A4	R0701 B1			C0217 *C3	C0538 *B2	C0725 B3	CL0308 C2	D0700 B4	IC0504 *C3		R1331 A4	R0629 A3
FB0502 *E1	IC0303 A1	Q1003 *D4	R1718 E3	R0106 A4	R0702 *B3			C0218 *C3	C0539 *B3	C0726 B4	CL0309 *C2	D0800 A1	IC0505 *C2	Q0100 *C4	R1332 *C4	R0630 B3
FB0503 *C5	IC0304 A1	Q1800 *E4	R1719 E3	R0107 *A3	R0800 C4			C0219 *C3	C0540 *B2	C0727 B4	CL0310 *C3	D0801 A1	IC0506 *C3	Q0700 C4	R1333 *B4	R0631 A4
FB0504 *C5	IC0305 A1	Q1801 *E3	R1720 E3	R0108 *A3	R0801 B4			C0220 *C3	C0541 *C3	C0728 B4	CL0311 *C2	D0802 A1	IC0507 *B3	Q0701 C4	R1334 *B4	R0632 A4
FB0505 *B3	IC0306 B1	Q1802 *E3	R1721 E3	R0109 *B4	R0802 C4			C0221 *C3	C0542 *C2	C0800 A1	CL0312 *C2	D0803 A1	IC0600 A2	Q0702 C4	R1336 A4	R0633 B4
FB0800 *B4	IC0307 B1	Q2300 A5	R1722 E3	R0200 *B2	R0803 *B4			C0222 *C3	C0543 *C3	C0801 A1	CL0313 *C3	D0804 A1	IC0601 A3	Q0703 B3	R1337 *C4	R0634 A2
FB0801 *B5	IC0308 C1		R1723 E3	R0201 *B2	R0804 *B4			C0223 *C3	C0544 *C2	C0802 A1	CL0400 *C2		IC0602 A3	Q0704 B3	R1338 *B4	R0635 A3
FB0905 *B3	IC0500 *C5	Q0300 C1	R1724 E3	R0202 *B2	R0805 *B3			C0224 *B3	C0545 *C2	C0803 A1	CL0401 C2	E0100 C1	IC0603 A4		R1340 A4	R0636 A3
FB1108 F5	IC0501 *C5		R1725 D3	R0203 *A2	R0806 *B3			C0225 *B3	C0546 *C2	C0804 A1	CL0402 C2	E0101 C3	IC0604 *B2	R1000 *B1	R1341 *C4	R0640 A2
FB1802 F4	IC0502 *E1	R1000 *D5	R1726 D3	R0204 *B1	R0807 *B5			C0226 *B3	C0547 *C2	C0805 A1	CL0403 *C2	E0102 *B2	IC0605 A3	R1001 B2	R1344 *A3	R0641 A3
FB1900 *D3	IC0504 D4	R1001 *D4	R1727 *D3	R0205 *B2	R0808 *B5			C0227 *B3	C0548 *C3	C0806 A1	CL0404 *C2	E0103 *B3	IC0606 A3	R1002 *B2	R1345 *A4	R0642 A3
FB1901 *D2	IC0505 C5	R1002 *D5	R1800 *E3	R0300 C2	R0809 B5			C0228 *B3	C0549 *C3	C0900 *B1	CL0500 *B3		IC0700 *C1	R1003 B2		R0643 A4
FB1902 B4	IC0506 *B5	R1003 *D4	R1801 *E3	R0301 C2	R0810 B5			C0229 *B3	C0550 *C2	C0901 *B1	CL0501 C3	ET0100 *C1	IC0701 C1	R1004 B1	R0100 B4	R0644 *B2
FB2100 E1	IC0507 *F1	R1102 E4	R1802 *E3	R0302 *C1	R0811 *C4			C0230 *C3	C0551 *C2	C0902 *A1	CL0600 B2	ET0101 *C4	IC0705 B4	R1005 B2	R0101 B4	R0645 *B2
FB2300 E4	IC0508 C4	R1103 E4	R1803 *E3	R0303 *B2	R0900 A2			C0231 *C3	C0552 *C3	C0903 *B1	CL0601 B2		IC0706 C4	R1006 B2	R0102 C1	R0646 *B2
	IC0509 D4	R1105 E6	R1804 F4	R0304 *C2	R0901 A2			C0232 *C3	C0553 *C3	C0904 *B1	CL0602 B2	FB0100 B4	IC0707 C4	R1007 B1	R0103 B1	R0647 A4
FL0100 *B3	IC0510 *C4	R1106 E6	R1805 F4	R0305 A1	R0902 A5			C0233 *C3	C0557 *C3	C0905 *B1	CL0603 B2	FB0101 B1	IC0708 C4	R1008 B1	R0104 B1	R0700 C1
FL0101 *B3	IC0511 *C4	R1107 E5	R1806 F4	R0306 *B1	R0903 A5			C0234 C3	C0558 *B3	C0906 *B1	CL0604 B3	FB0102 B4	IC0800 B1	R1100 *B4	R0105 *C4	R0701 C1
FL0103 *B3	IC0600 *F1	R1108 E5	R1807 *E3	R0307 *B1	R0904 A5			C0235 C3	C0559 *B3	C0909 *B1	CL0605 B3	FB0103 *C4	IC0801 A1	R1101 B4	R0106 *C4	R0702 C1
FL0104 *B3	IC0601 *A5	R1109 E4	R1808 *E3	R0308 B1	R0905 A5			C0236 *B2	C0600 B2	C0910 *B1	CL0607 B4	FB0104 *B1	IC0802 A1	R1102 C4	R0200 B3	R0703 C1
FL0105 *B3	IC0602 *C2	R1113 F6	R1809 *E3	R0309 C1	R0906 A2			C0237 *B2	C0601 B2	C0911 *B1	CL0608 B4	FB0105 *B1	IC0900 *B1	R1103 B4	R0201 *B2	R0704 C1
FL0200 *B3	IC0603 D4	R1114 F6	R1810 *E3	R0310 A1	R0907 A2			C0238 *B2	C0602 A2	C0912 *B1	CL0700 *C1	FB0106 *C4	IC0901 *A2	R1104 C4	R0202 *B2	R0705 C1
FL0201 *B3	IC0800 B5	R1115 E6	R1811 *E3	R0311 A1	R0908 A2			C0239 *B2	C0603 A2	C0913 *B1	CL0701 *C1	FB0107 *C3	IC1100 *B4	R1105 C4		

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R162	A2	R312	B1		
R163	B1	R313	B1	VDR101	A2
R164	* B1	R314	B1	VDR102	A2
R165	B1	R315	B1	VDR103	* A1
R166	* A1	R316	B1	VDR104	* A1
R167	* A1	R317	B1	VDR105	* A1
R168	* A2	R318	B1	VDR106	* A1
R201	* B2	R319	B1	VDR107	* A1
R203	* B2	R320	B1	VDR110	* A1
R204	B2	R321	B1	VDR111	* A1
R205	B2	R322	B1	VDR112	* A1
R207	B2	R323	B1	VDR113	A2
R208	B2	R324	B1		
R209	B2	R325	B1	X101	A3
R210	B2	R326	B1		
R211	C2	R327	B1		
R212	C2	R328	B1		
R213	B2	R329	B1		
R214	A2	R330	* C2		
R215	A2	R331	B1		
R216	B2	R332	C1		
R217	* B2	R333	* C2		
R218	* B2	R334	* C2		
R219	* B2	R335	* C2		
R220	* B2	R336	* C2		
R221	B2	R338	* C2		
R222	B2	R339	* C1		
R223	C2	R340	* C2		
R224	C2	R341	C1		
R225	B3	R342	C2		
R226	C3	R343	C1		
R227	B2	R344	C1		
R228	B2	R345	C1		
R229	C2	R346	C1		
R230	C2	R347	* C1		
R231	B2	R348	* C1		
R232	B2	R349	* C1		
R233	B2	R350	* C1		
R234	B2	R351	* C1		
R235	B2	R352	* C1		
R236	C2	R353	* C1		
R237	B2	R354	* C1		
R238	B2	R355	* C1		
R239	B2	R356	* C1		
R240	C2	R357	C1		
R242	A2	R358	C1		
R244	B2	R359	C1		
R247	B3	R360	C1		
R248	C3	R361	C1		
R249	A3	R362	C1		
R250	B3	R363	* C1		
R251	B3	R364	* C1		
R252	A3	R365	C1		
R253	* B3	R366	C1		
R254	* A3	R367	C1		
R255	C3	R368	C1		
R256	B3	R369	B1		
R257	* C3	R370	* B1		
R258	* B3	R371	* B1		
R259	B3	R372	* B1		
R260	A3	R373	B1		
R261	C3	R374	B1		
R262	B3	R375	* B1		
R263	B3	R376	C2		
R264	B3	R377	C1		
R265	C3				
R266	B3	RB101	A3		
R267	* B2	RB102	A2		
R268	* B2	RB103	A3		
R269	* B2	RB104	A3		
R270	* B2	RB105	A3		
R271	* B2	RB106	A3		
R272	* B2				
R301	B1	SL001	* A1		
R302	* B2				
R303	* B1	THP101	A1		
R305	* B1	THP301	* B1		
R306	B1	THP302	* C1		
R307	B1	THP303	* C1		
R308	B1				
R309	B1	TP401	* C1		
R310	B1	TP402	* A3		
R311	B1	TP403	B2		

PMW-F5 (SY)
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PMW-F55 (SY)
PMW-F55 (CN) J, E
9-878-434-01

Sony Corporation

Printed in Japan
2013. 2 08
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