

AV Surround Receiver

SR5011



- For purposes of improvement, specifications and design are subject to change without notice.
- Please use this service manual with referring to the operating instructions without fail.
- Some illustrations using in this service manual are slightly different from the actual set.

Click here!

On-line service parts list

We are getting ready.

On-line owner's manual

<http://manuals.marantz.com/SR5011/NA/EN/index.php>

<http://manuals.marantz.com/SR5011/EU/EN/index.php>

<http://manuals.marantz.com/SR5011/AP/ZH/index.php>

CAUTION IN SERVICING

ELECTRICAL

MECHANICAL

REPAIR INFORMATION

UPDATING

Please refer to the MODIFICATION NOTICE.



CAUTION IN SERVICING

SAFETY PRECAUTIONS

NOTE FOR SCHEMATIC DIAGRAM

NOTE FOR PARTS LIST

INSTRUCTIONS FOR HANDLING SEMICONDUCTORS AND OPTICAL UNIT

CAUTION IN SERVICING.

Initializing This Unit

JIG FOR SERVICING



SAFETY PRECAUTIONS

The following items should be checked for continued protection of the customer and the service technician.

Leakage current check

Before returning the set to the customer, be sure to carry out either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the set is defective. Be sure to test for leakage current with the AC plug in both polarities, in addition, when the set's power is in each state (on, off and standby mode), if applicable.

CAUTION

Please heed the following cautions and instructions during servicing and inspection.

ⓘ Heed the cautions!

Cautions which are delicate in particular for servicing are labeled on the cabinets, the parts and the chassis, etc. Be sure to heed these cautions and the cautions described in the handling instructions.

ⓘ Cautions concerning electric shock!

- (1) An AC voltage is impressed on this set, so if you touch internal metal parts when the set is energized, you may get an electric shock. Avoid getting an electric shock, by using an isolating transformer and wearing gloves when servicing while the set is energized, or by unplugging the power cord when replacing parts, for example.
- (2) There are high voltage parts inside. Handle with extra care when the set is energized.

ⓘ Caution concerning disassembly and assembly!

Through great care is taken when parts were manufactured from sheet metal, there may be burrs on the edges of parts. The burrs could cause injury if fingers are moved across them in some rare cases. Wear gloves to protect your hands.

ⓘ Use only designated parts!

The set's parts have specific safety properties (fire resistance, voltage resistance, etc.). Be sure to use parts which have the same properties for replacement. The burrs have the same properties. In particular, for the important safety parts that are indicated by the ⚠ mark on schematic diagrams and parts lists, be sure to use the designated parts.

ⓘ Be sure to mount parts and arrange the wires as they were originally placed!

For safety reasons, some parts use tapes, tubes or other insulating materials, and some parts are mounted away from the surface of printed circuit boards. Care is also taken with the positions of the wires by arranging them and using clamps to keep them away from heating and high voltage parts, so be sure to set everything back as it was originally placed.

ⓘ Make a safety check after servicing!

Check that all screws, parts and wires removed or disconnected when servicing have been put back in their original positions, check that no serviced parts have deteriorate the area around. Then make an insulation check on the external metal connectors and between the blades of the power plug, and otherwise check that safety is ensured.

(Insulation check procedure)

Unplug the power cord from the power outlet, disconnect the antenna, plugs, etc., and on the power. Using a 500V insulation resistance tester, check that the insulation resistance value between the inplug and the externally exposed metal parts (antenna terminal, headphones terminal, input terminal, etc.) is 1M Ω or greater. If it is less, the set must be inspected and repaired.

CAUTION

Concerning important safety parts

Many of the electric and the structural parts used in the set have special safety properties. In most cases these properties are difficult to distinguish by sight, and the use of replacement parts with higher ratings (rated power and withstand voltage) does not necessarily guarantee that safety performance will be preserved. Parts with safety properties are indicated as shown below on the wiring diagrams and the parts list in this service manual. Be sure to replace them with the parts which have the designated part number.

- | | |
|------------------------|--------------------------|
| (1) Schematic diagrams | Indicated by the ⚠ mark. |
| (2) Parts lists | Indicated by the ⚠ mark. |

The use of parts other than the designated parts could cause electric shocks, fires or other dangerous situations.



NOTE FOR SCHEMATIC DIAGRAM

WARNING:

Parts indicated by the $\triangle$ mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

CAUTION:

Before returning the set to the customer, be sure to carry out either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the set is defective.

WARNING:

DO NOT return the set to the customer unless the problem is identified and remedied.

NOTICE:

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM / M=1,000,000 OHM

ALL CAPACITANCE VALUES ARE EXPRESSED IN MICRO FARAD, UNLESS OTHERWISE INDICATED. P INDICATES MICRO-MICRO FARAD. N INDICATES NANO FARAD. EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

NOTE FOR PARTS LIST

1. Parts indicated by "nsp" on this table cannot be supplied.
2. When ordering a part, make a clear distinction between "1" and "l" (i) to avoid mis-supplying.
3. A part ordered without specifying its part number can not be supplied.
4. Part indicated by "@" mark is not illustrated in the exploded view.

WARNING: Parts indicated by the $\triangle$ mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

INSTRUCTIONS FOR HANDLING SEMICONDUCTORS AND OPTICAL UNIT

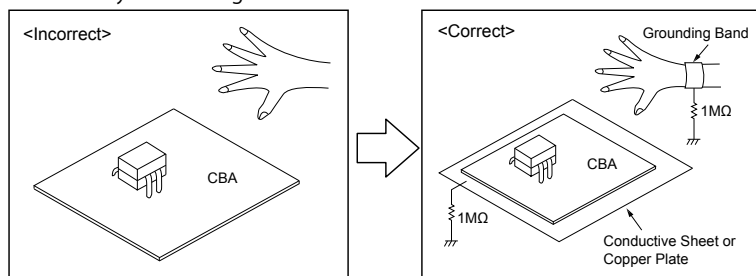
Electrostatic breakdown of the semi-conductors or optical pickup may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

1. Ground for Human Body

Be sure to wear a grounding band (1 M ohm) that is properly grounded to remove any static electricity that may be charged on the body.

2. Ground for Workbench

Be sure to place a conductive sheet or copper plate with proper grounding (1 M ohm) on the workbench or other surface, where the semi-conductors are to be placed. Because the static electricity charge on clothing will not escape through the body grounding band, be careful to avoid contacting semi-conductors with your clothing



CAUTION IN SERVICING.

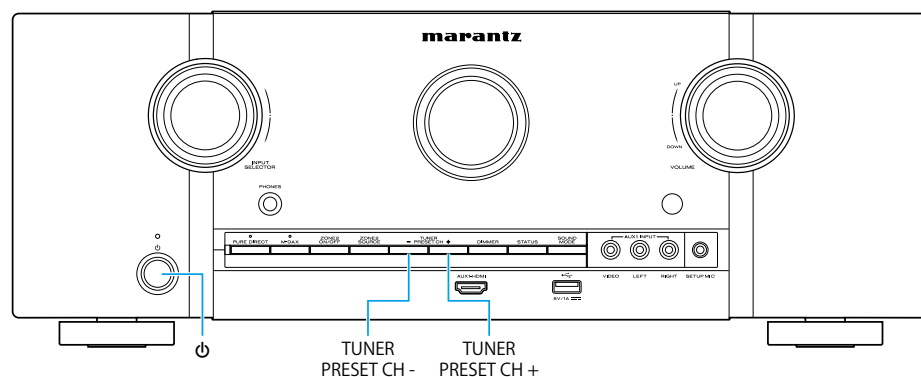
Initializing This Unit

Make sure to initialize this unit after replacing the microcomputer or any peripheral equipment, or the digital PCB.

1. Press the power button to turn off the power.
2. While holding down buttons "**TUNER PRESET CH -**" and "**TUNER PRESET CH +**" simultaneously, press the power button to turn on the power.
3. Release the buttons after confirming that the display flashes at 1-second intervals.
 - * The unit is initialized.

NOTE :

- If the unit fails to enter the service mode in step 3, repeat the procedure from step 1.
- Initializing the device restores the customized settings to the factory settings. Write down your settings in advance and reconfigure the settings after initialization.



JIG FOR SERVICING

Use the following jigs (extension cable kit) when repairing the PCBs.
Order with your dealer for the jigs your dealer if necessary.

8U-110084S : EXTENSION UNIT KIT : 1 Set

(See [JIG FOR SERVICING](#))

SCHEMATIC DIAGRAMS

[SCH01_ADV7850](#)
[SCH02_HDMI SW1](#)
[SCH03_HDMI SW2](#)
[SCH04_NET PHY](#)
[SCH05_CPU LEVEL CHG](#)
[SCH06_DIGITAL CNT](#)
[SCH07_CPU](#)
[SCH08_FRONT HDMI](#)
[SCH09_ADV8003](#)
[SCH10_ADV8003 DDR](#)
[SCH11_D.SUPPLY](#)
[SCH12_HDMI TX](#)
[SCH13_DIR APLD](#)
[SCH14_DSP](#)
[SCH15_MAIN DAC](#)
[SCH16_INPUT](#)
[SCH17_VIDEO](#)
[SCH18_FRONT CNT](#)
[SCH19_RC-5](#)
[SCH20_AMP1](#)
[SCH21_AMP2](#)
[SCH22_SPK](#)
[SCH23_TUNER_REG](#)
[SCH24_RS_CNT AUDIO IN](#)
[SCH25_FRONT](#)
[SCH26_RS232](#)
[SCH27_SMPS](#)
[SCH28_HDAM](#)
[SCH29_PREOUT](#)

PRINTED CIRCUIT BOARDS

[HDMI, F HDMI](#)
[INPUT, FRONT CNT, VIDEO](#)
[MAIN, RS CNT, GUISE L](#)
[AMP](#)
[FRONT, RS232, HP, USB, TOP GUIDE](#)
[PREOUT, HDAM CNT, HDAM, SMPS](#)

LEVEL DIAGRAM

[FRONT ch](#)
[CENTER ch](#)
[SUBWOOFER ch](#)
[SURROUND ch](#)
[SURR.BACK ch](#)
[ZONE2](#)

BLOCK DIAGRAM

[ANALOG AUDIO DIAGRAM](#)
[DIGITAL AUDIO DIAGRAM](#)
[VIDEO DIAGRAM](#)

POWER DIAGRAM

WIRING DIAGRAM

SEMICONDUCTORS

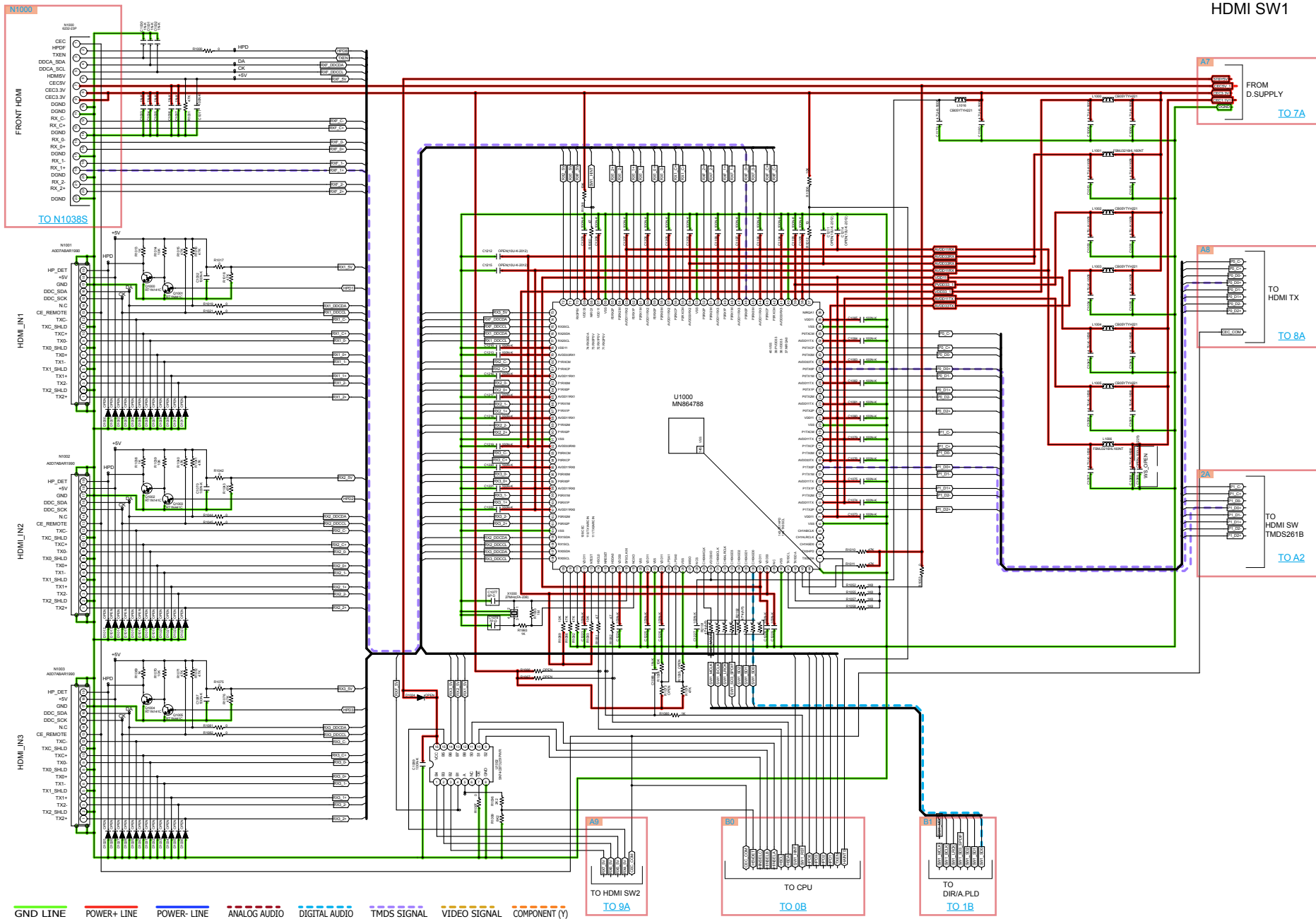
[1. IC's](#)
[2. FL DISPLAY](#)

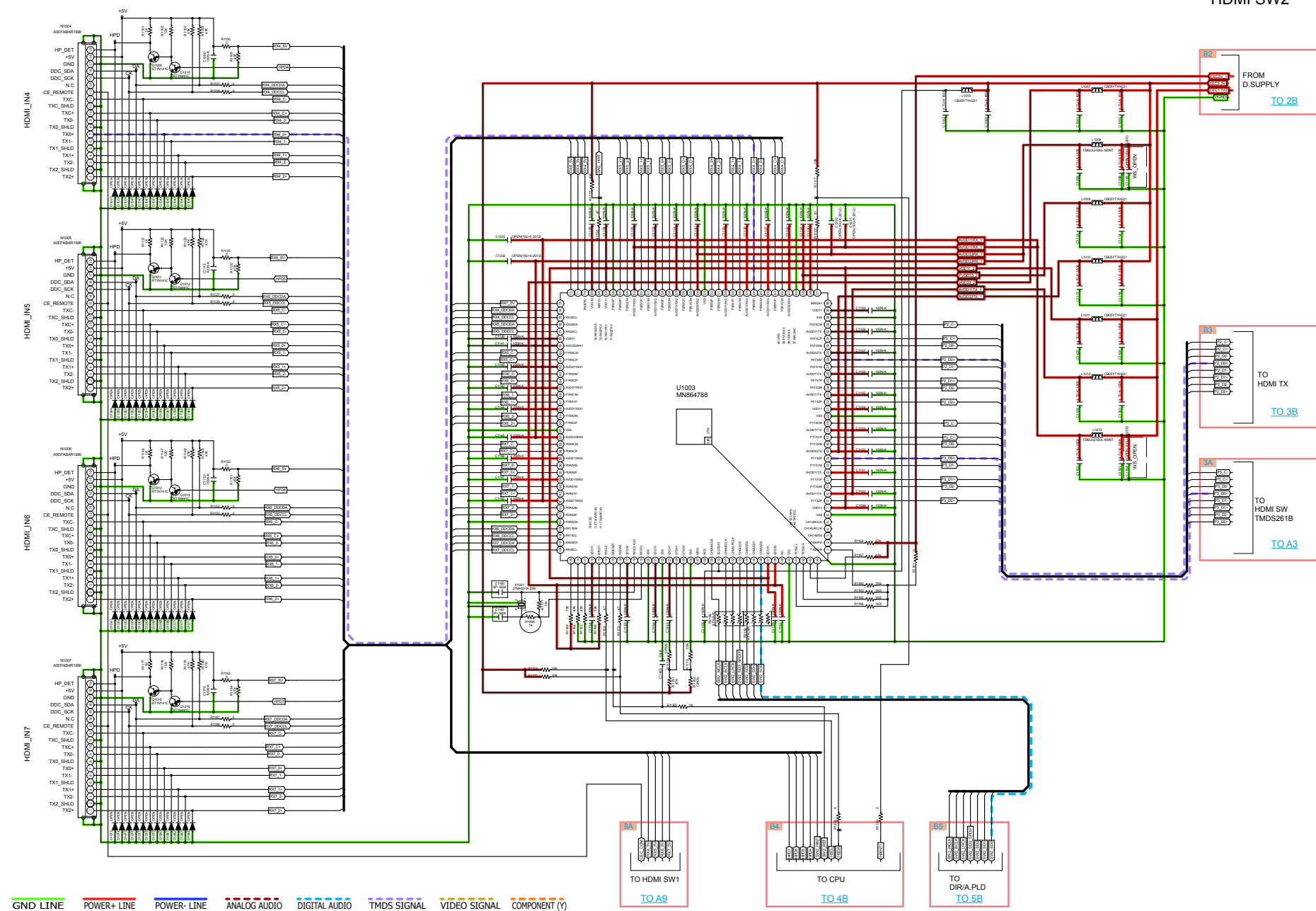


SCH01_ADV7850

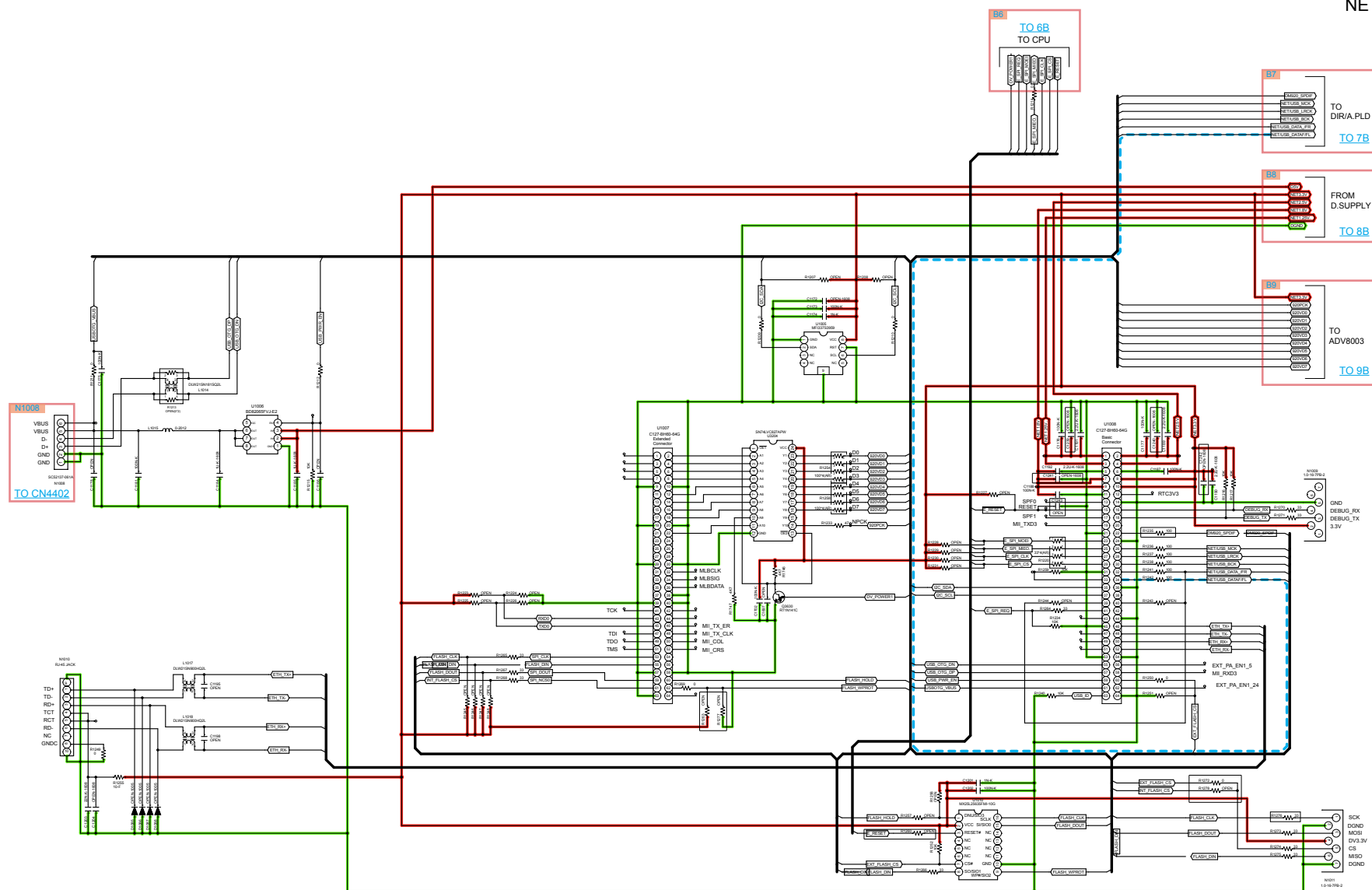


Updating



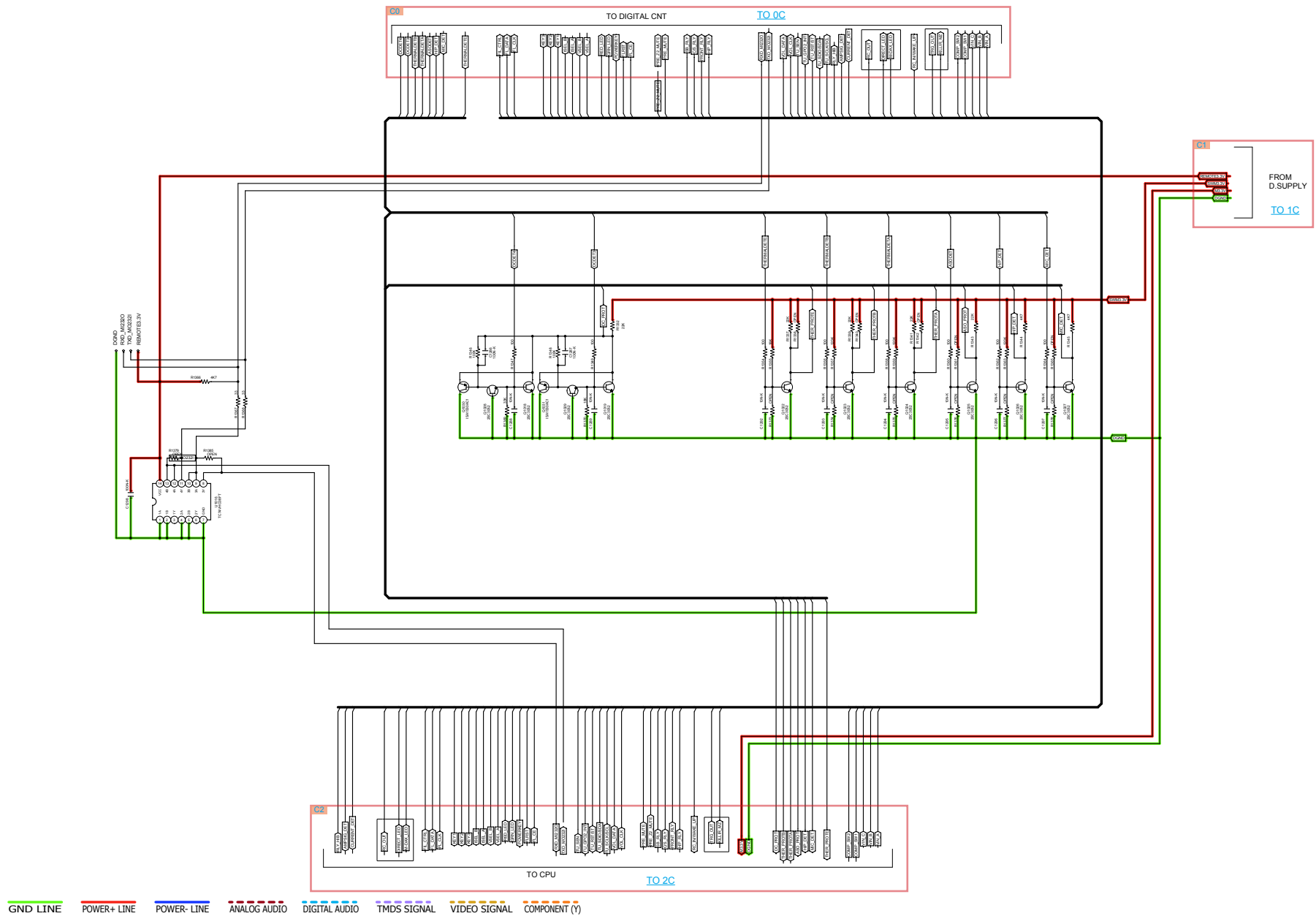


NET PHY

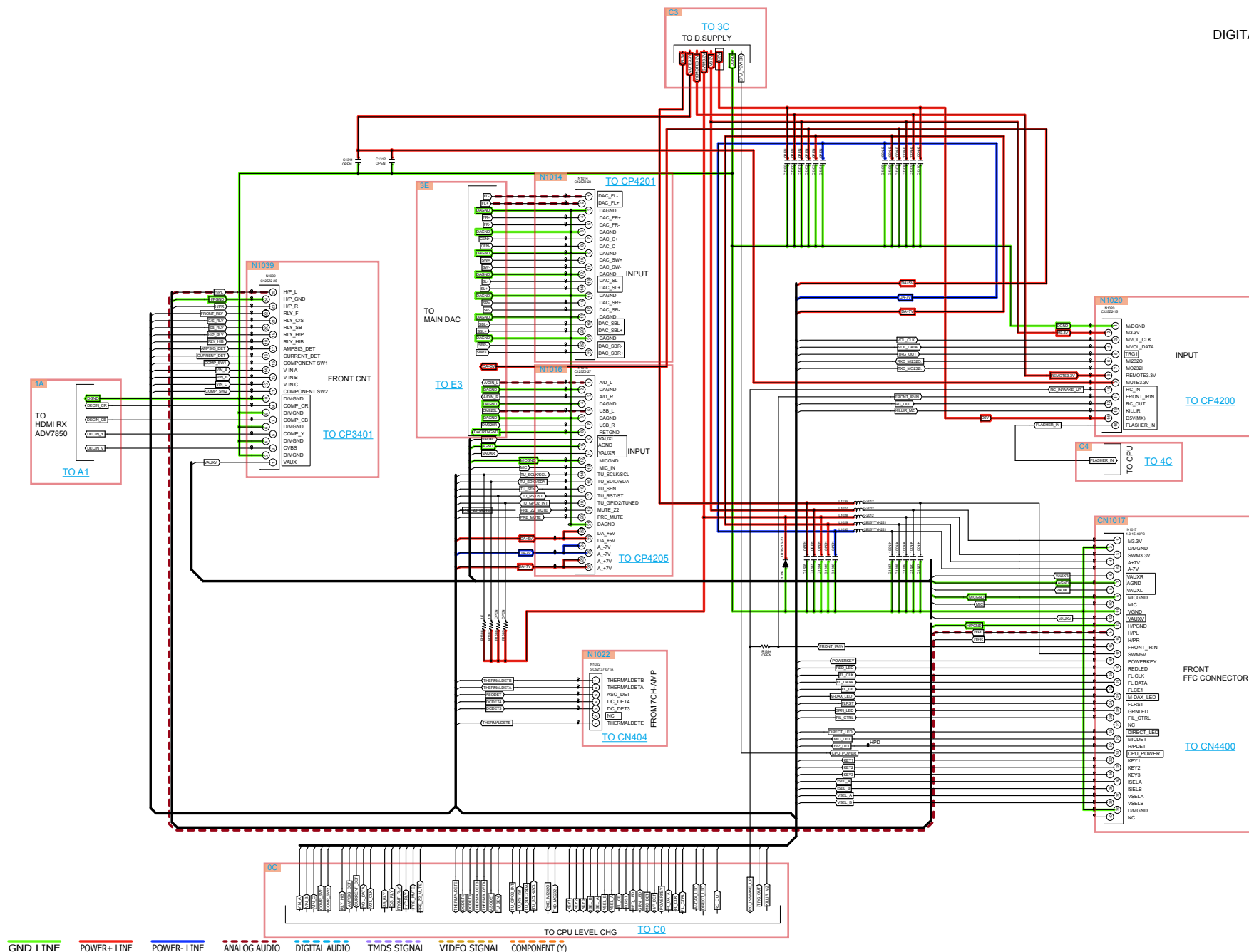


 GND LINE
 POWER+ LINE
 POWER- LINE
 ANALOG AUDIO
 DIGITAL AUDIO
 TMDS SIGNAL
 VIDEO SIGNAL
 COMPONENT (Y)



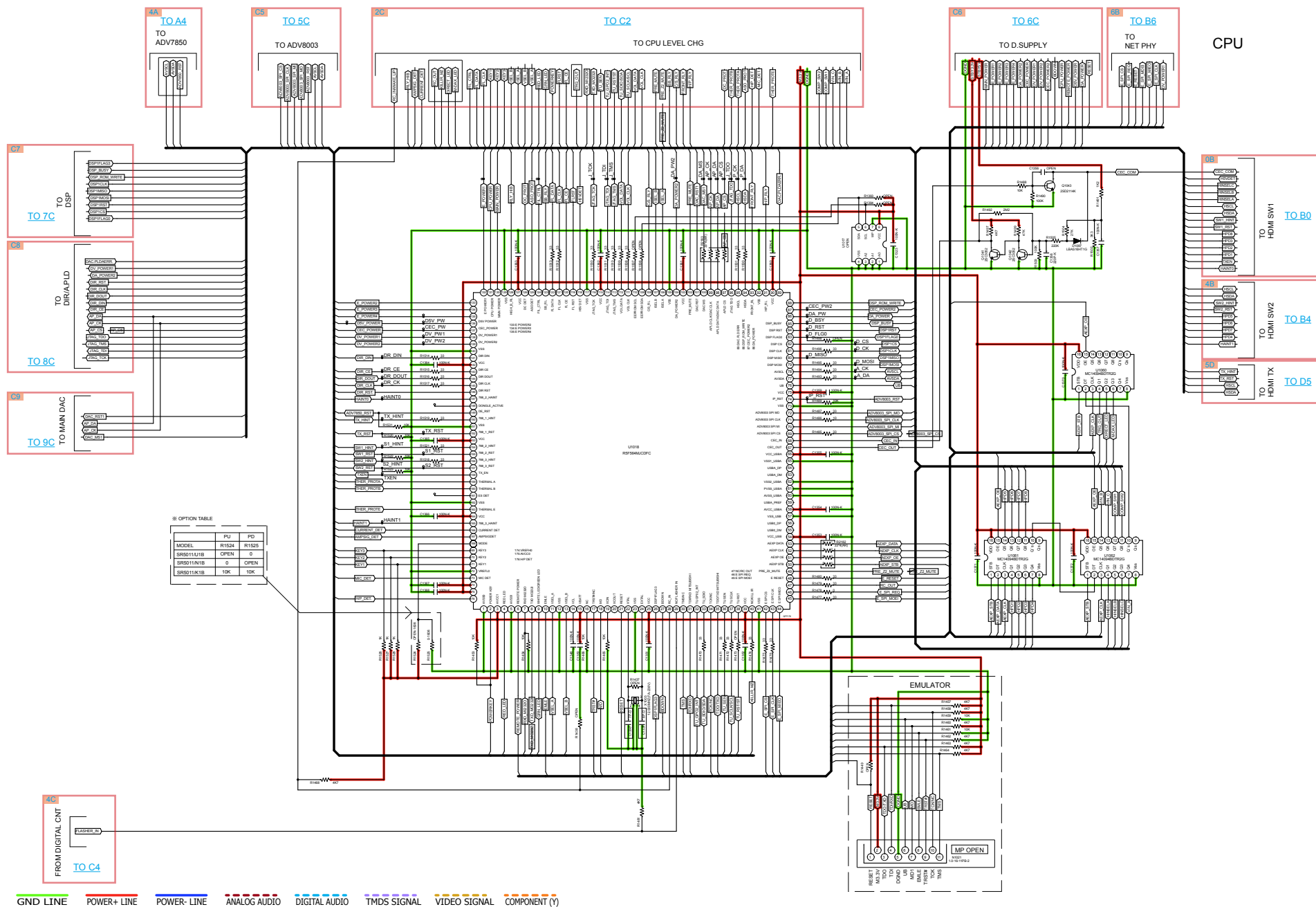


DIGITAL CNT

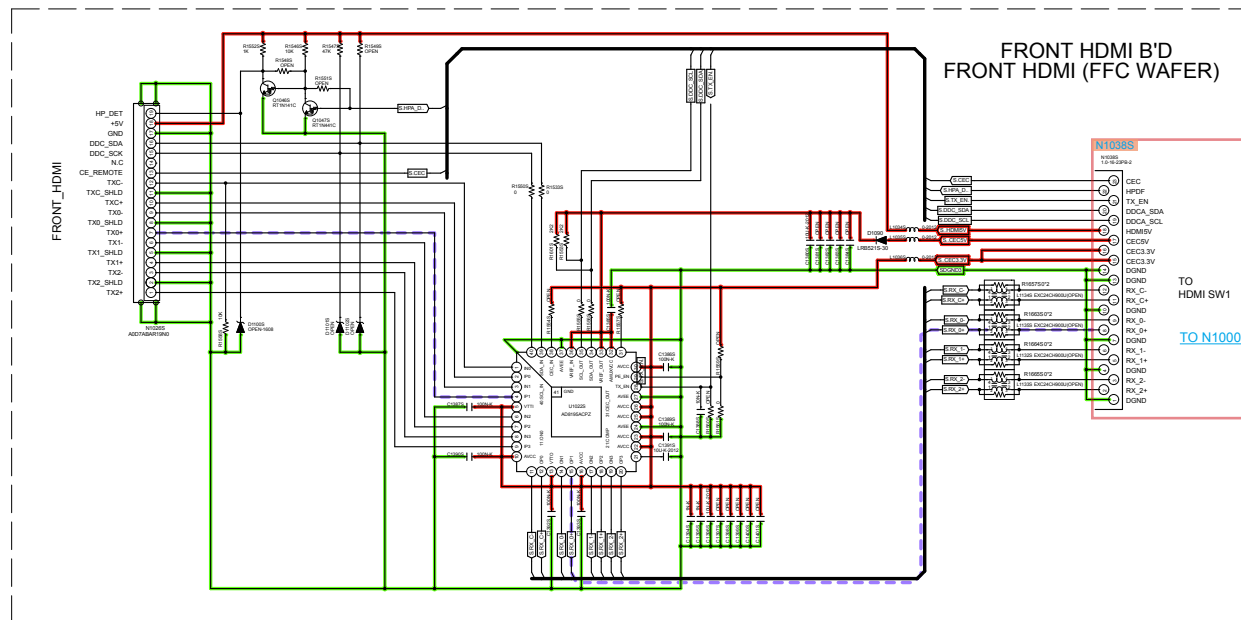


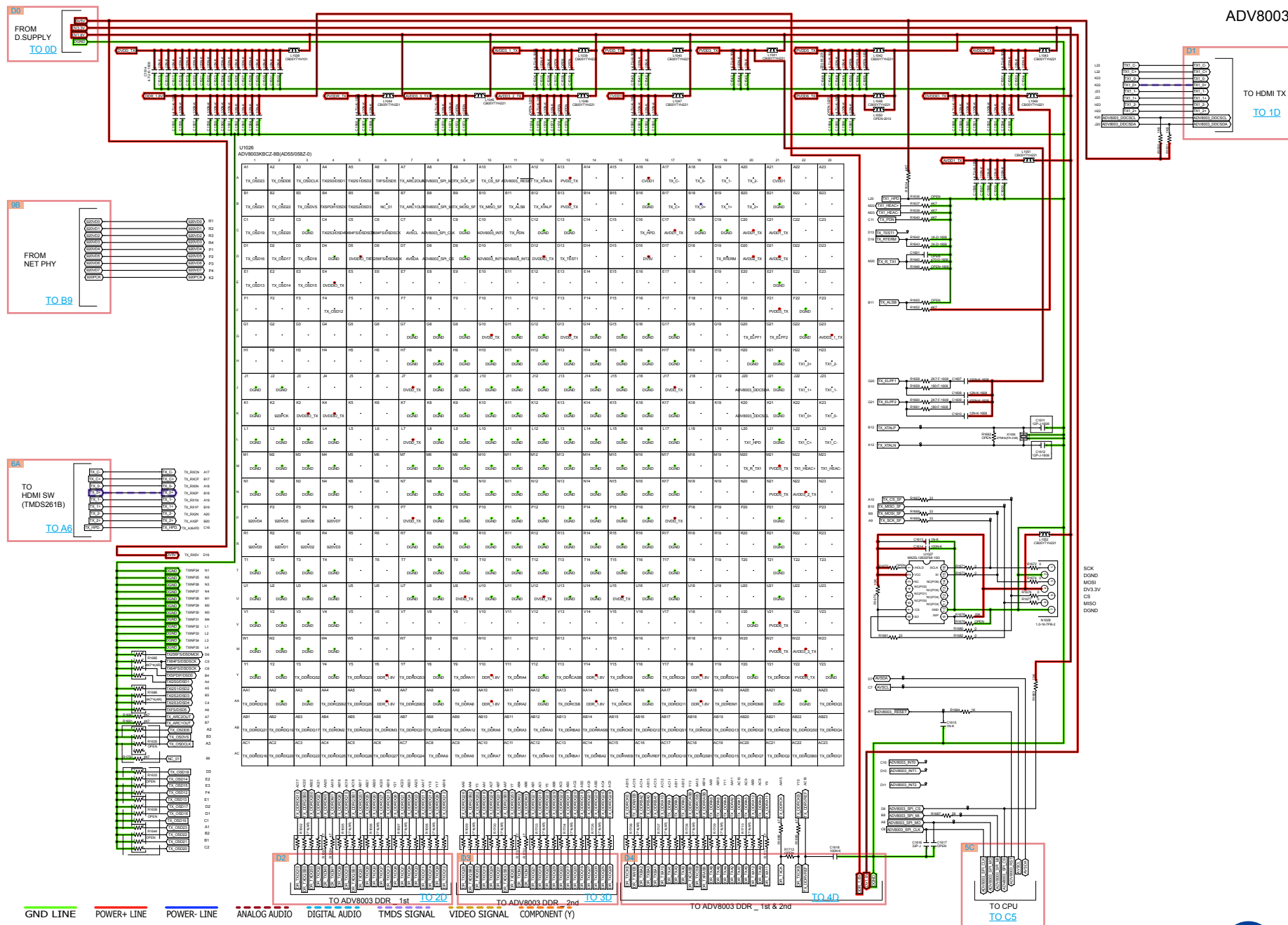
GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL VIDEO SIGNAL COMPONENT (Y)

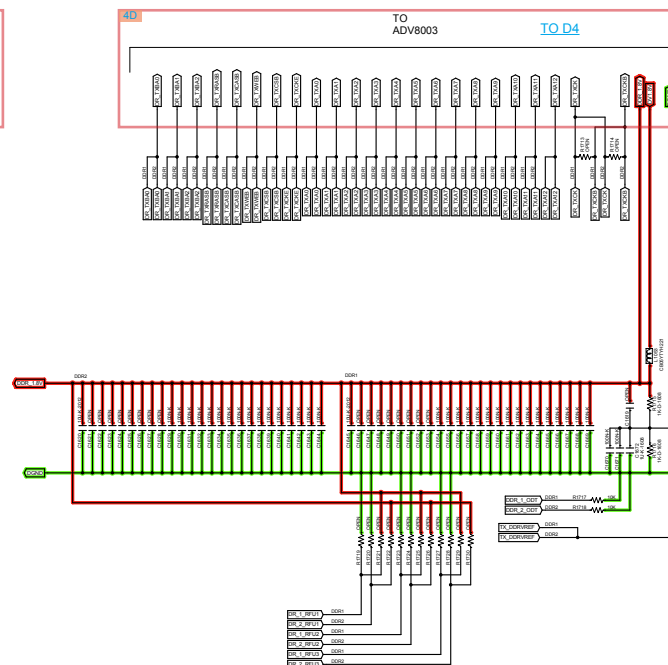
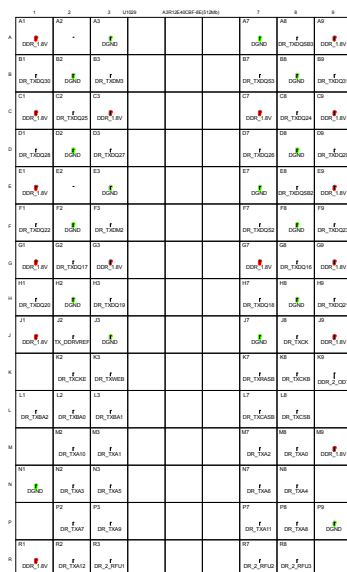
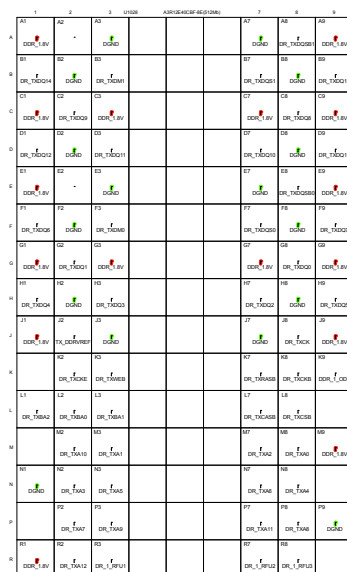
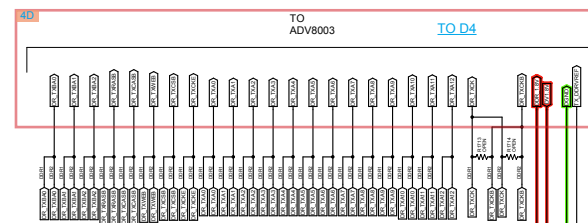
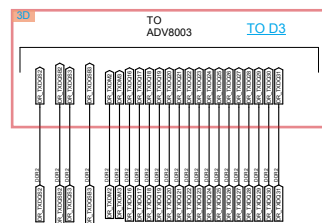
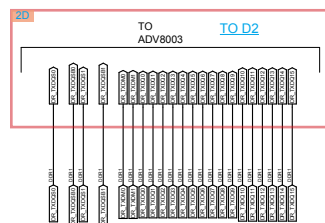




FRONT HDMI



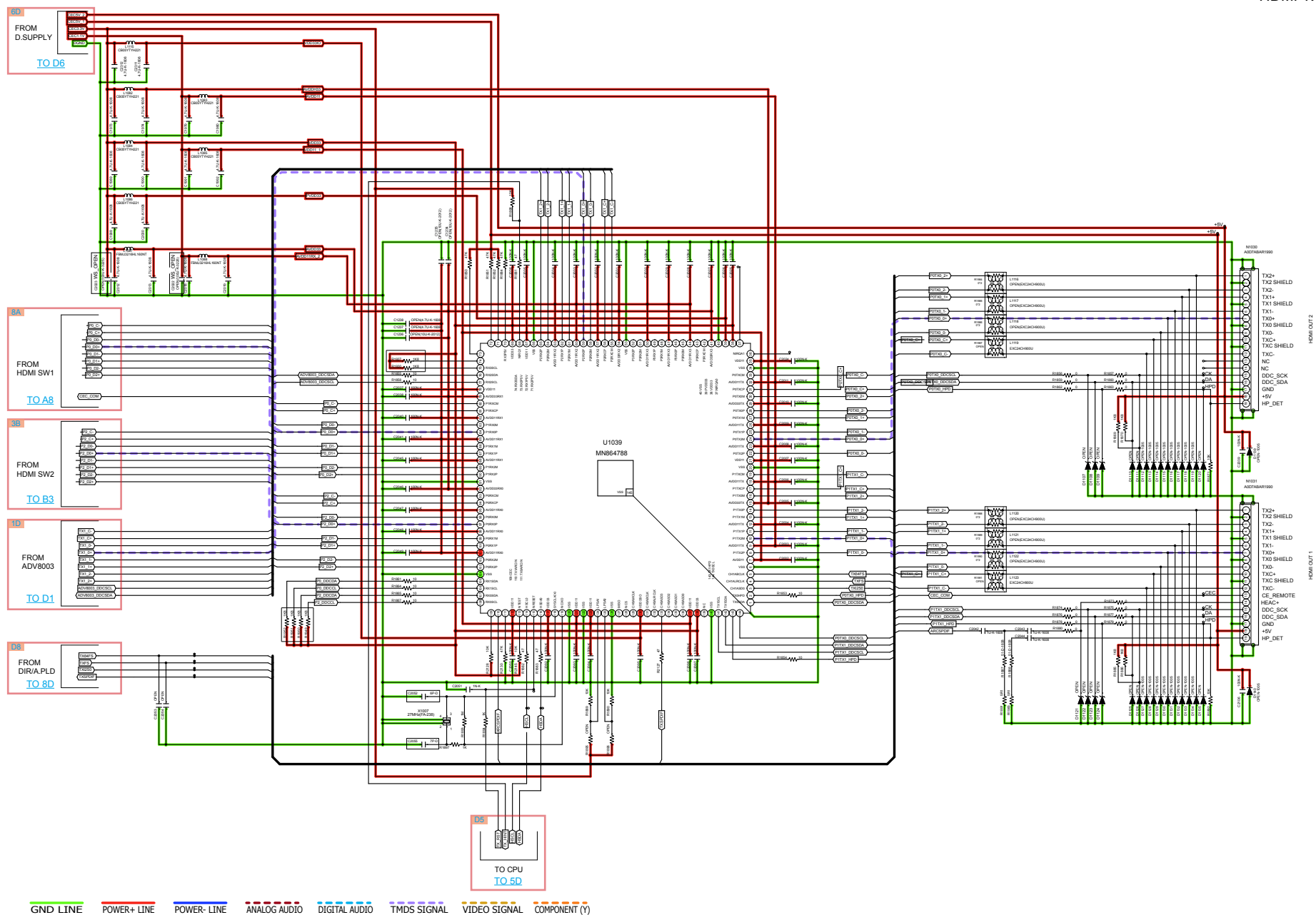


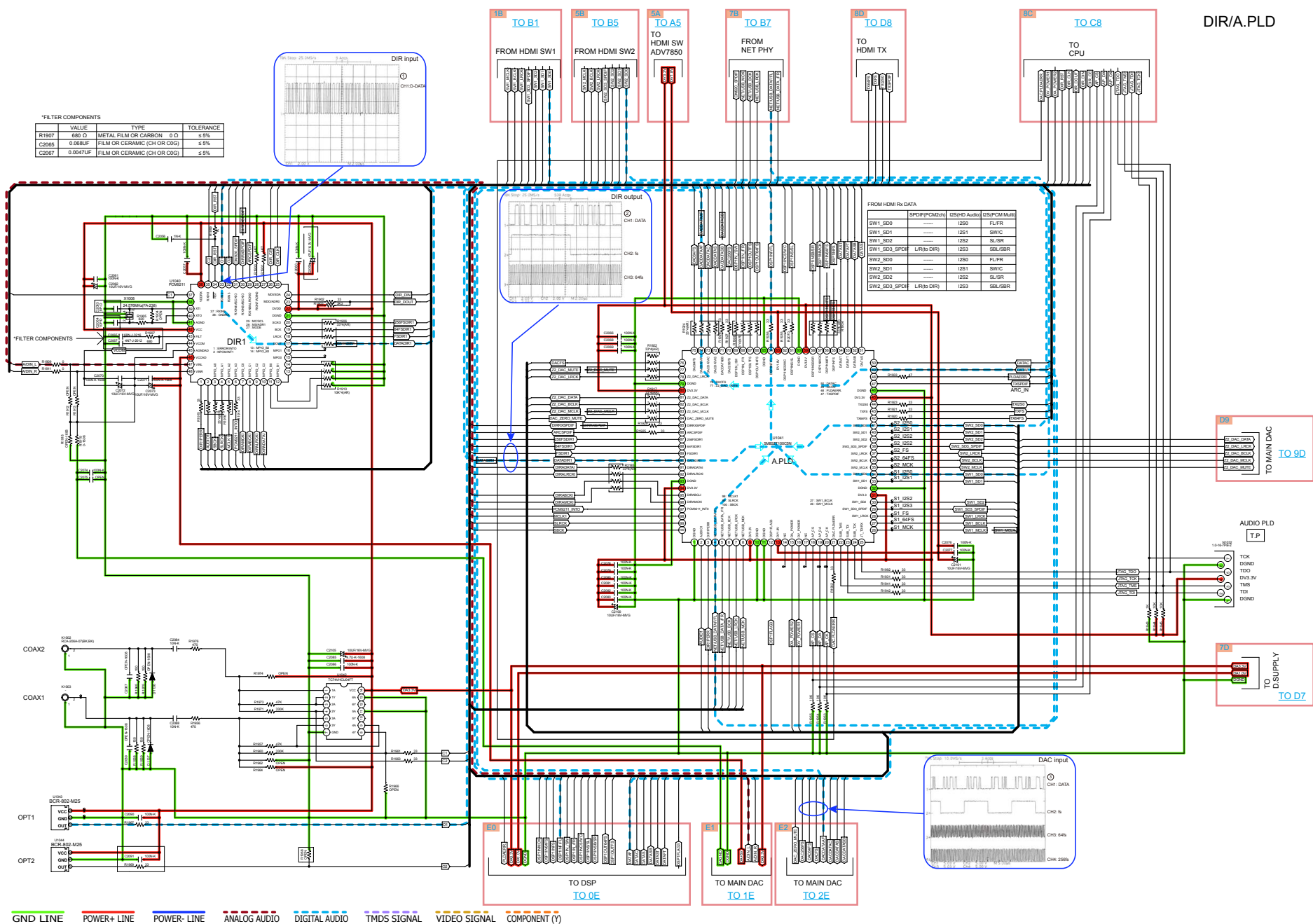


 GND LINE
 POWER+ LINE
 POWER- LINE
 ANALOG AUDIO
 DIGITAL AUDIO
 TMDS SIGNAL
 VIDEO SIGNAL
 COMPONENT (Y)









DIR/A.PLD

Caution in
servicing

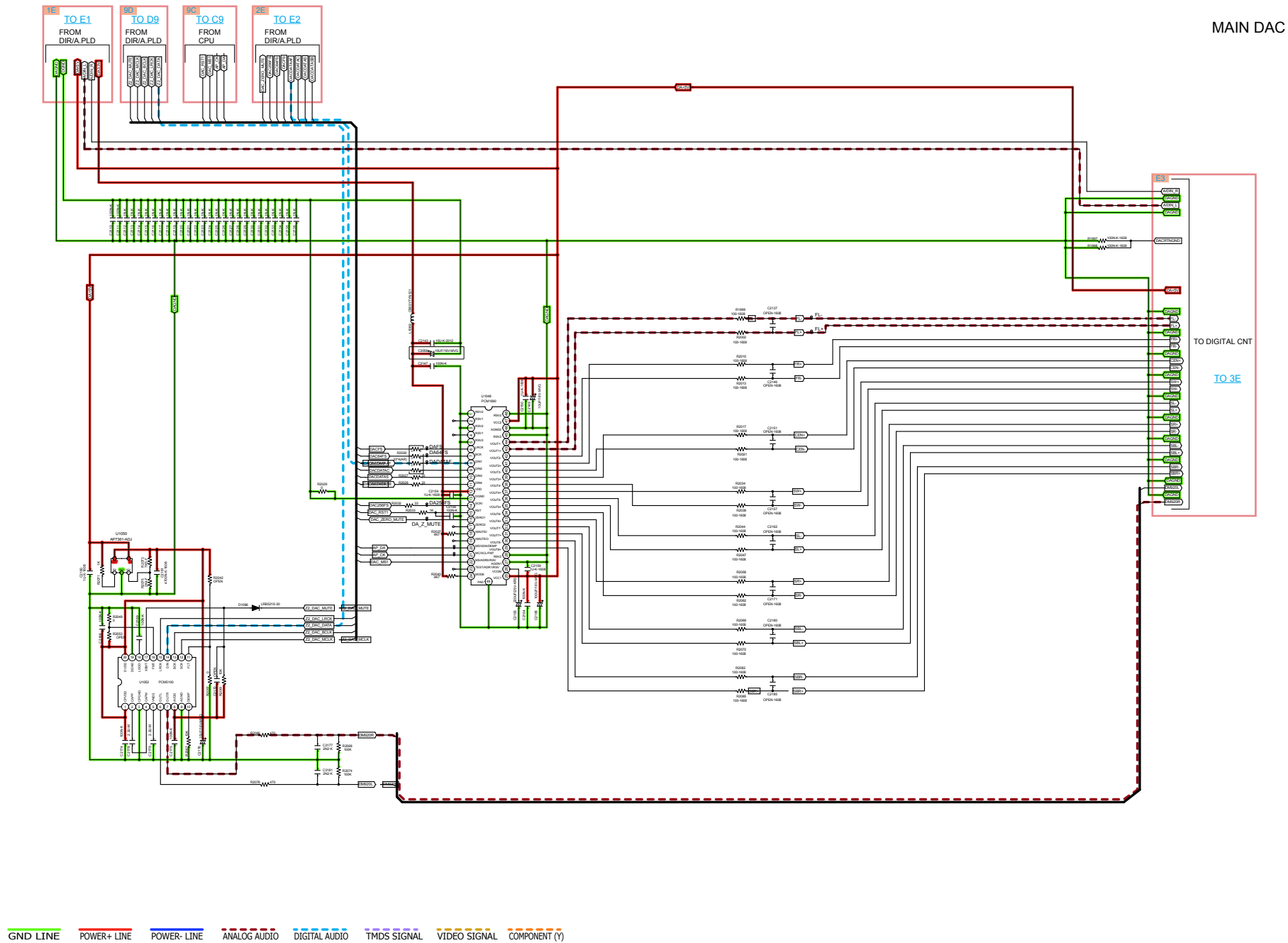
Electrical

Mechanical

Repair Information

Updating





MAIN DAC

TO DIGITAL CNT

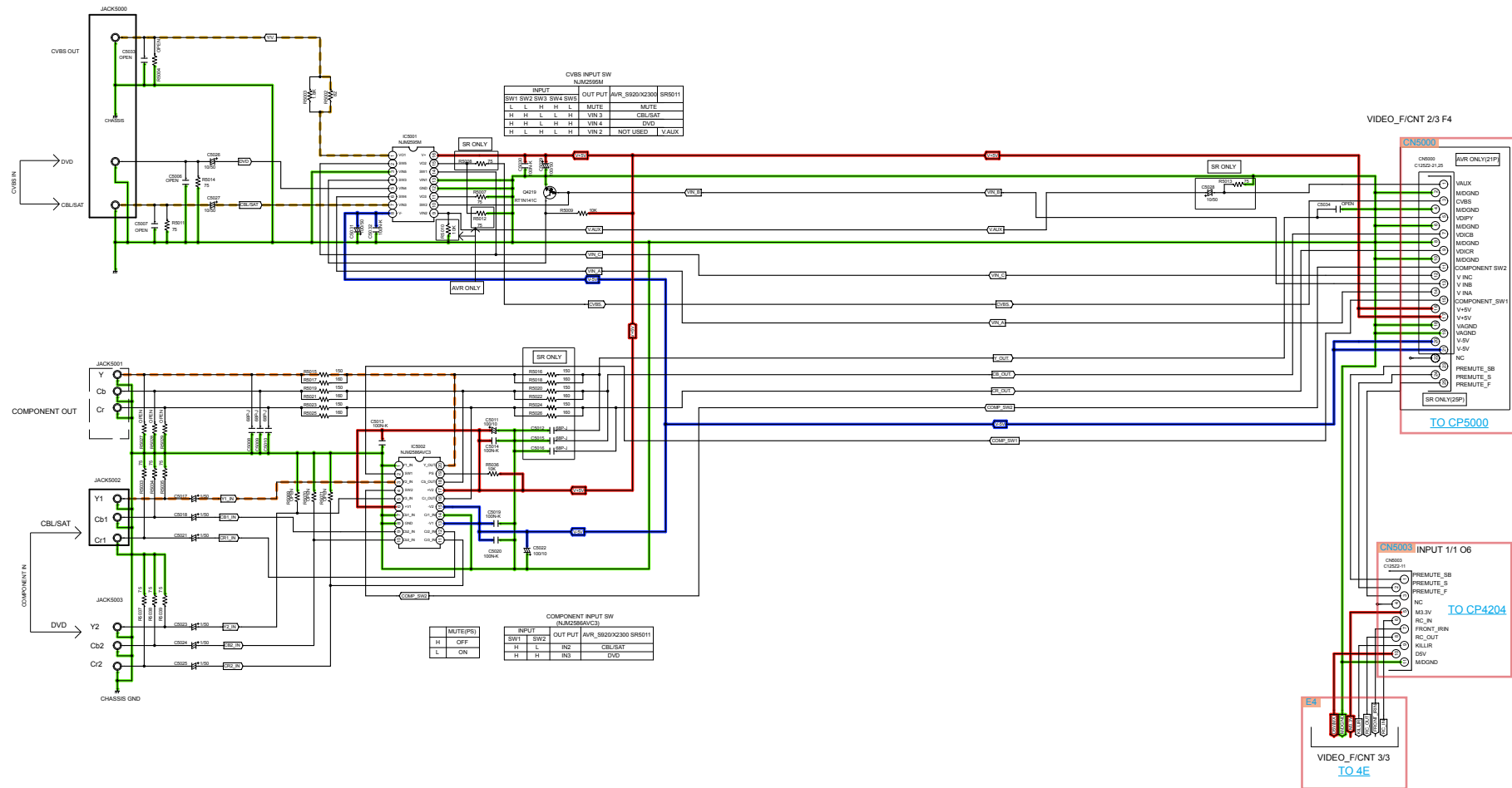
TO 3E





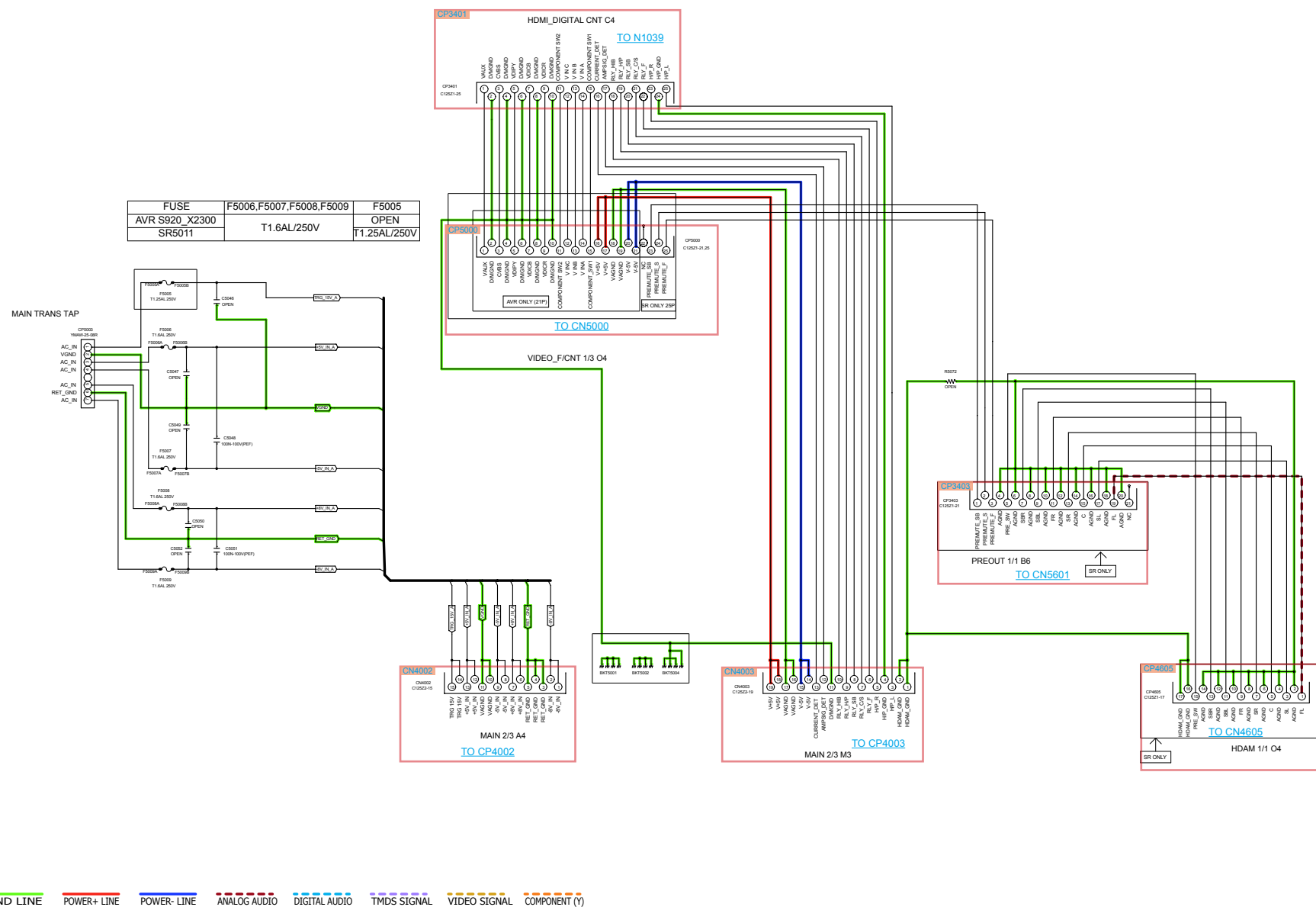
VIDEO PART

VIDEO_F/CNT 1/3



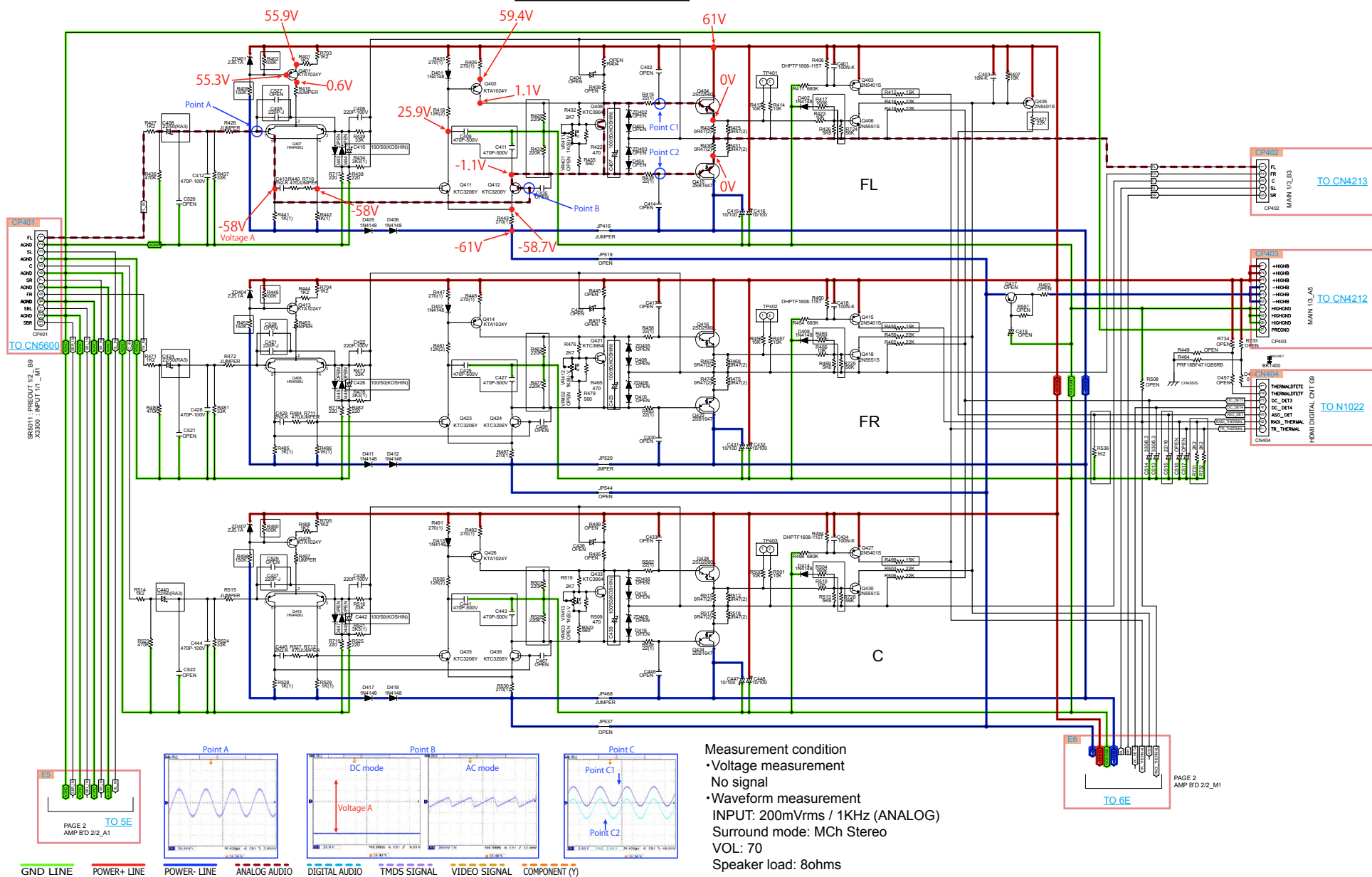
FRONT_CNT PART

VIDEO_F/CNT 2/3

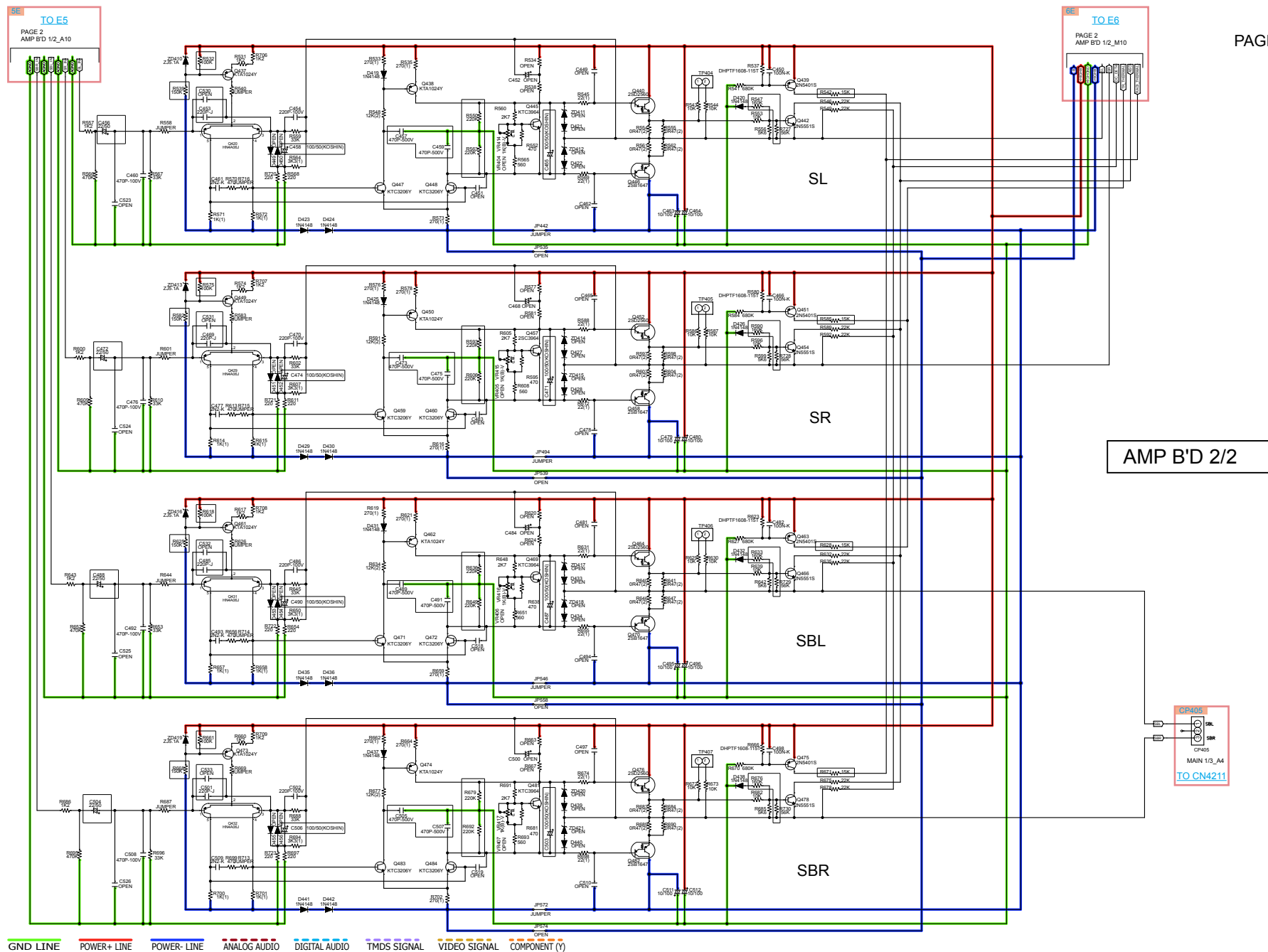


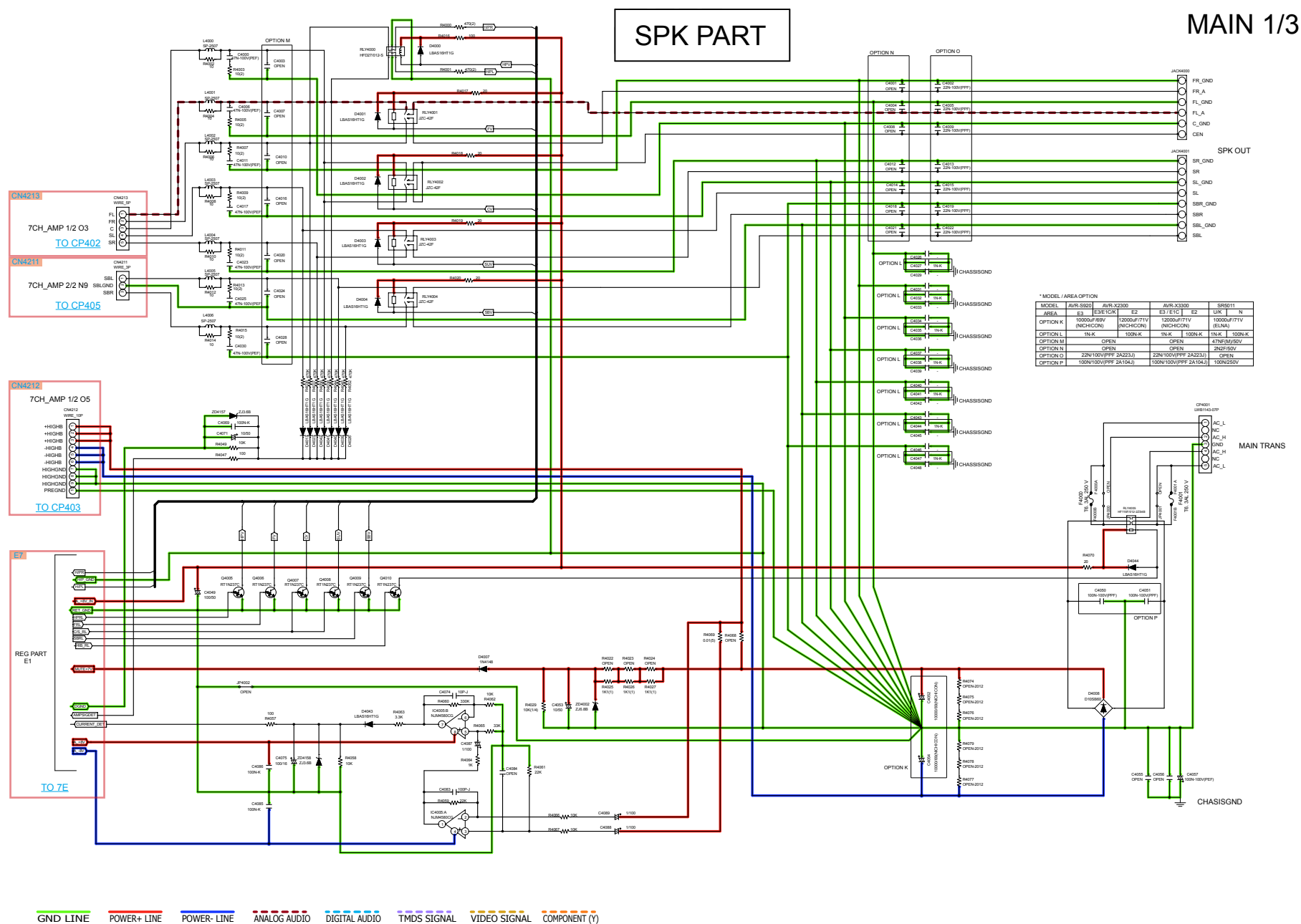
SR5011 AMP SCH

AMP B'D 1/2

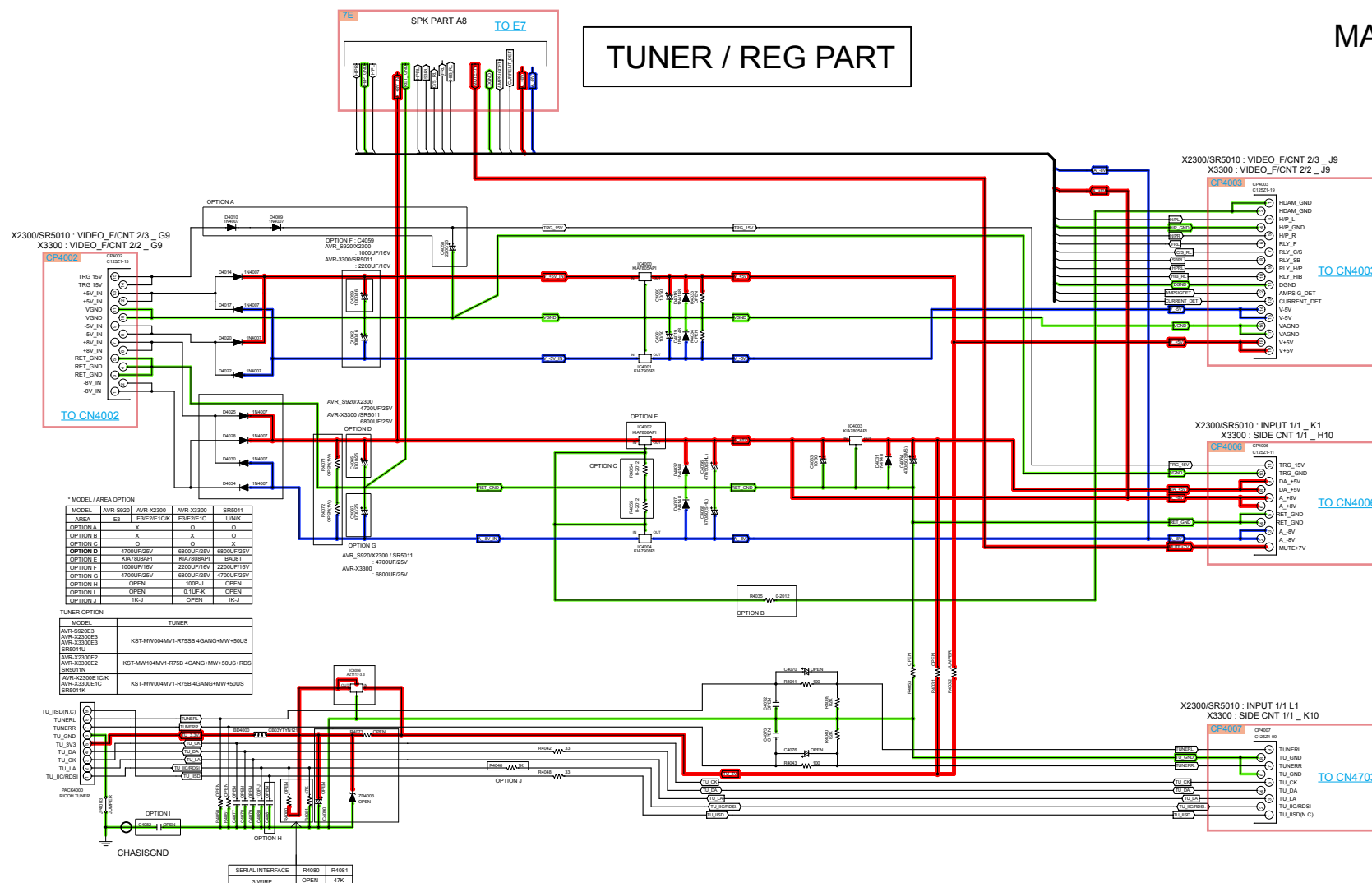


PAGE 2



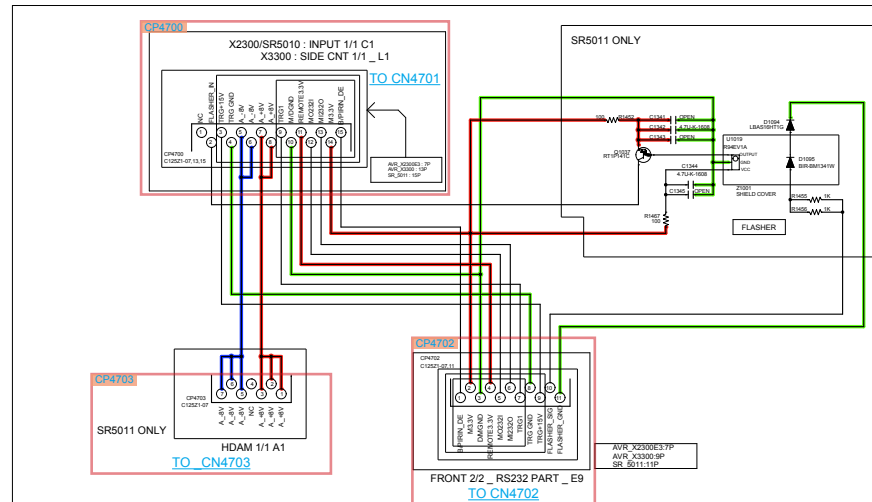


MAIN 2/3

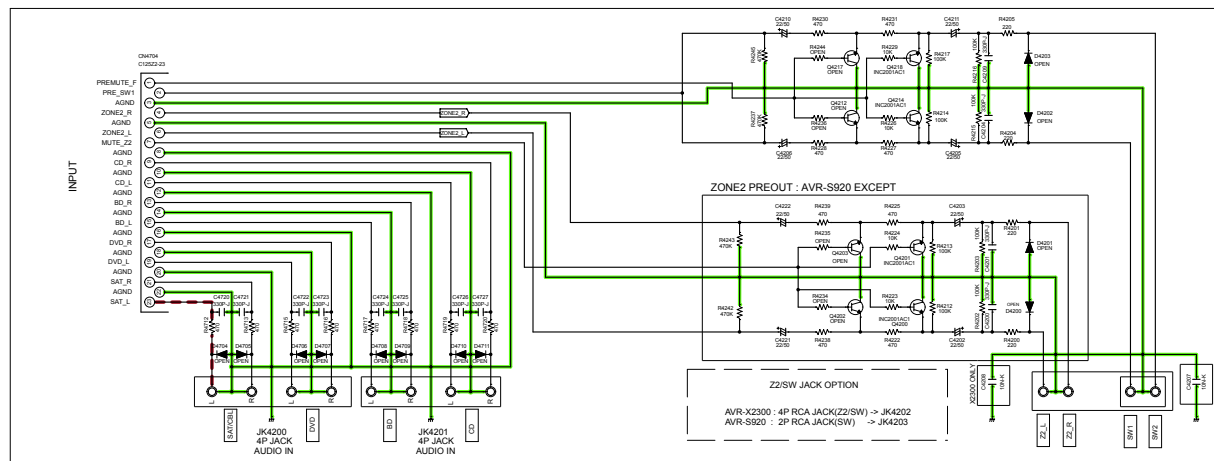


 GND LINE
 POWER+ LINE
 POWER- LINE
 ANALOG AUDIO
 DIGITAL AUDIO
 TMDS SIGNAL
 VIDEO SIGNAL
 COMPONENT (Y)

RS_CNT PART (AVR_X2300E3_X3300_SR5011 ONLY)

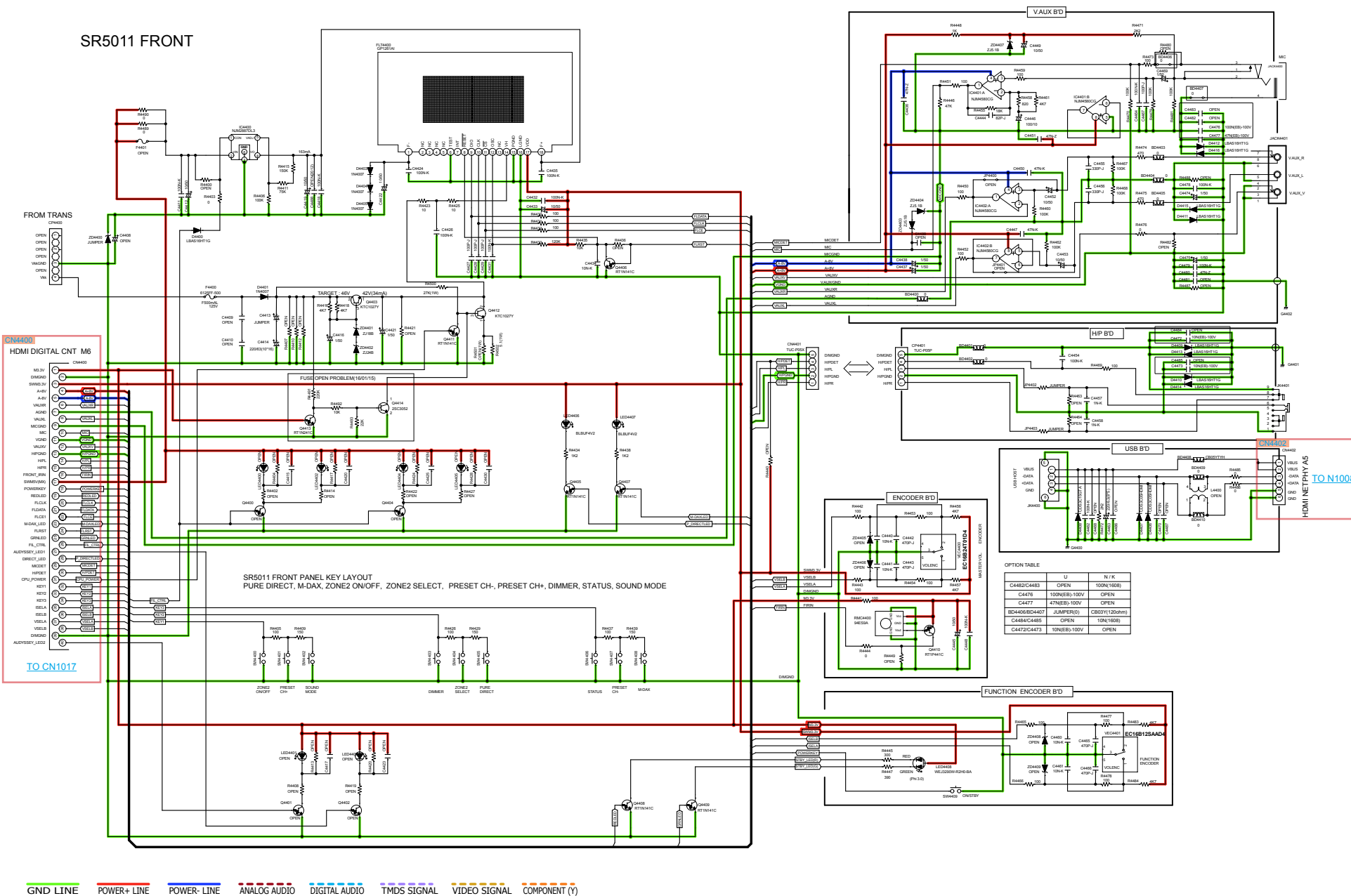


AUDIO IN PART (AVR S920 / X2300 ONLY)

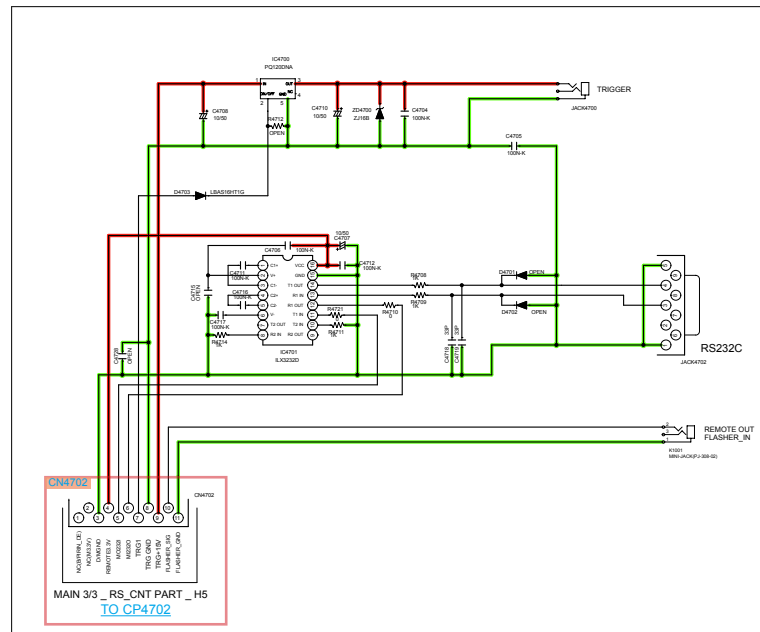


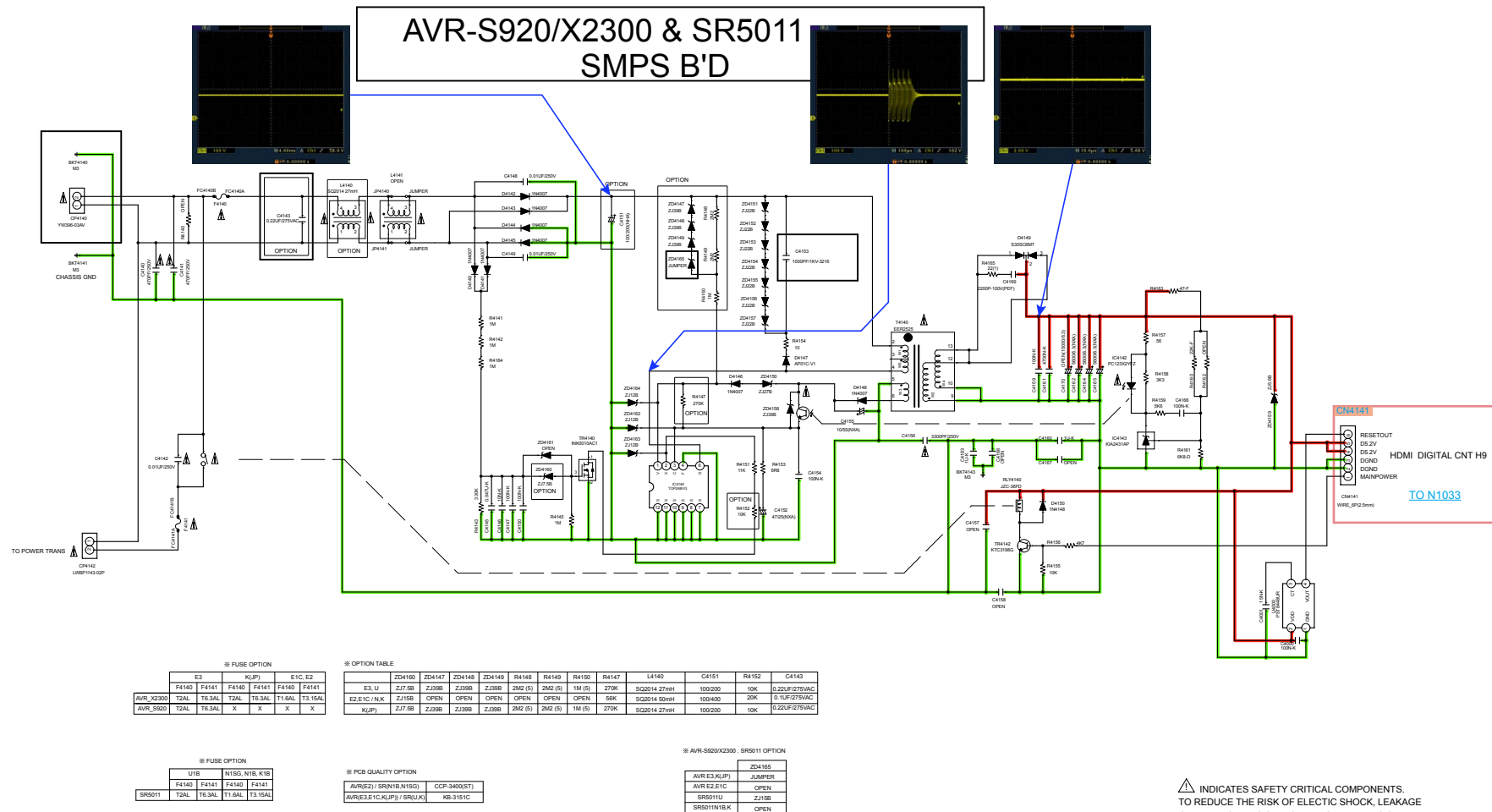
GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMS SIGNAL VIDEO SIGNAL COMPONENT (Y)



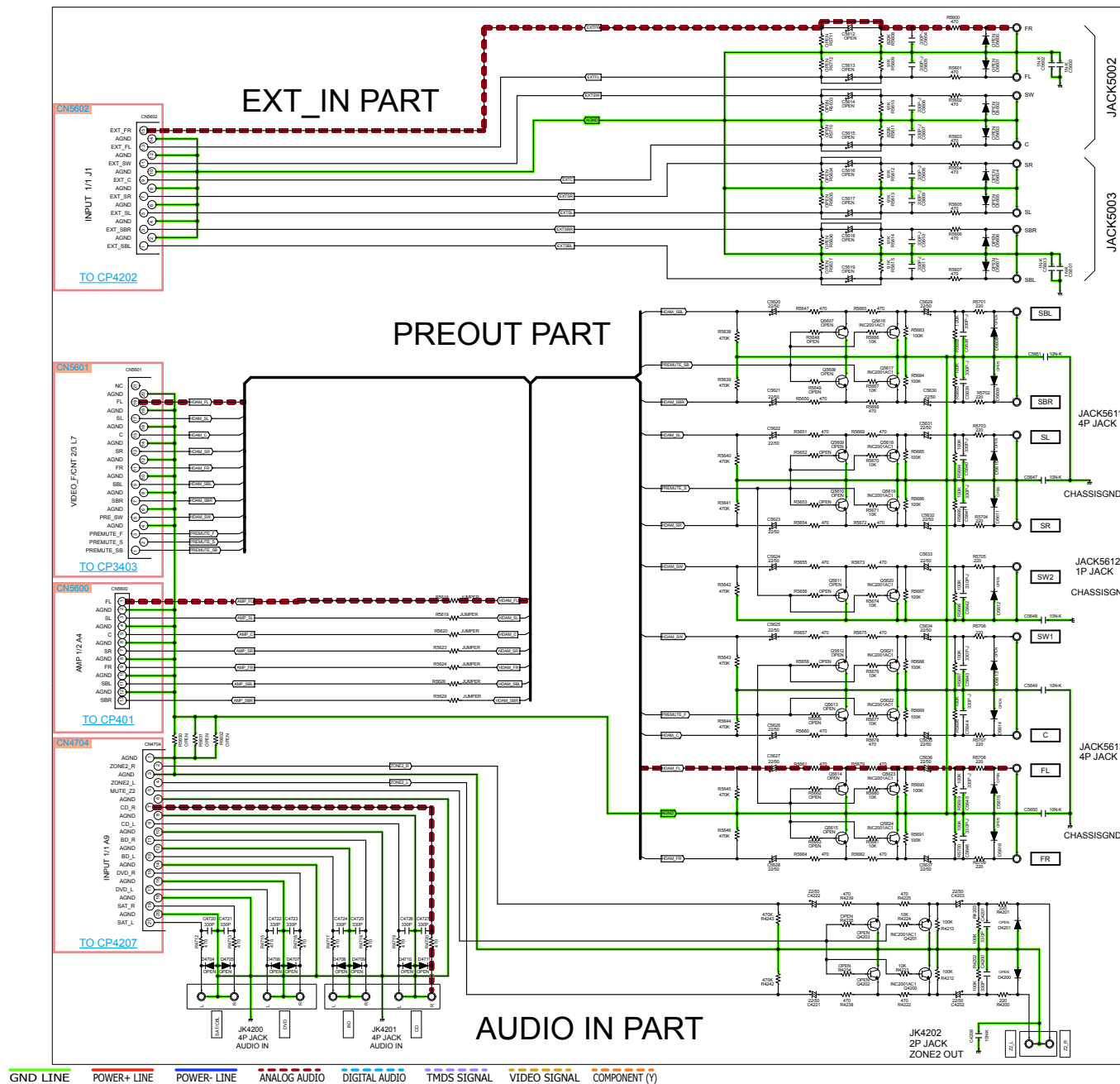


RS232 PART



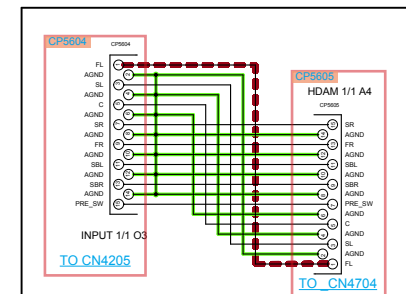


⚠ INDICATES SAFETY CRITICAL COMPONENTS.
TO REDUCE THE RISK OF ELECTRIC SHOCK, LEAKAGE
CURRENT OR RESISTANCE MEASUREMENTS SHALL BE
CARRIED OUT (EXPOSED PARTS ARE ACCEPTABLY
INSULATED FROM THE SUPPLY CIRCUIT) BEFORE
THE APPLIANCE RETURNED TO THE CUSTOMER.

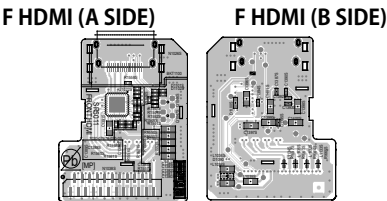
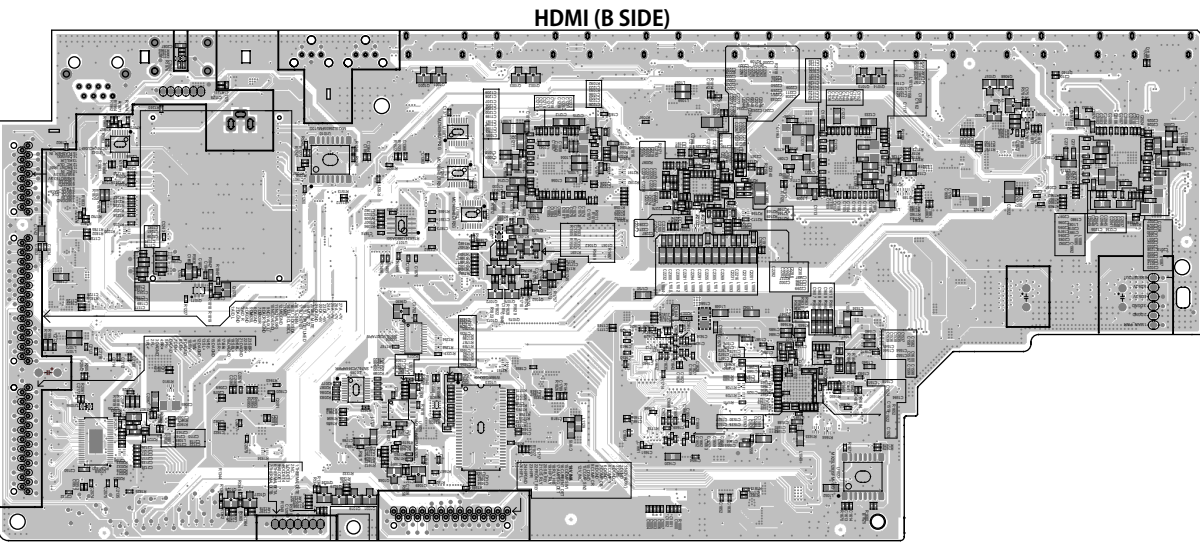
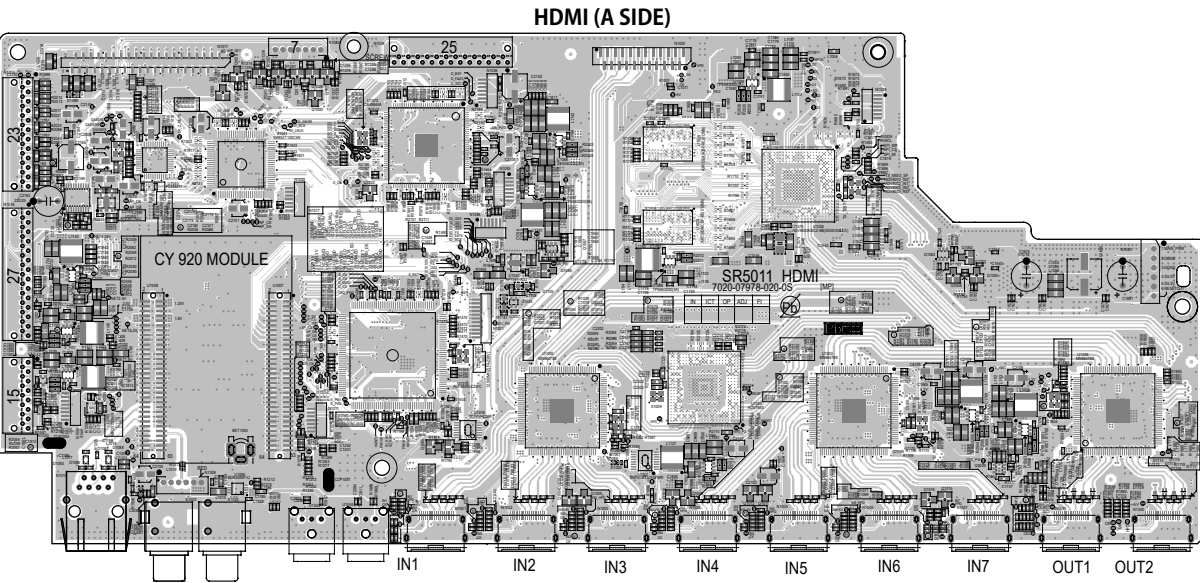


PREOUT 1/2

HDAM_CNT PART



Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).



Caution in
servicing

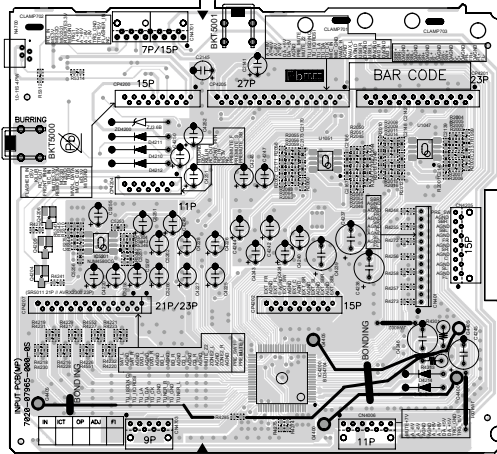
Electrical

Mechanical

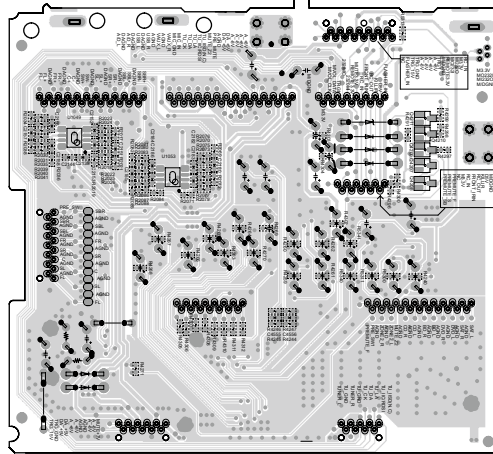
Repair Information

Updating

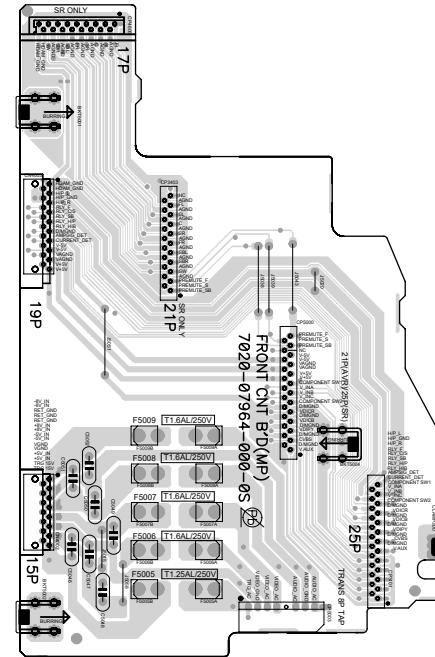
INPUT (A SIDE)



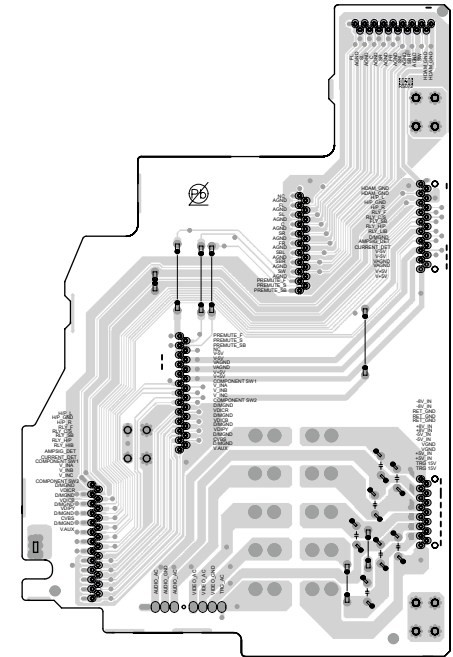
INPUT (B SIDE)



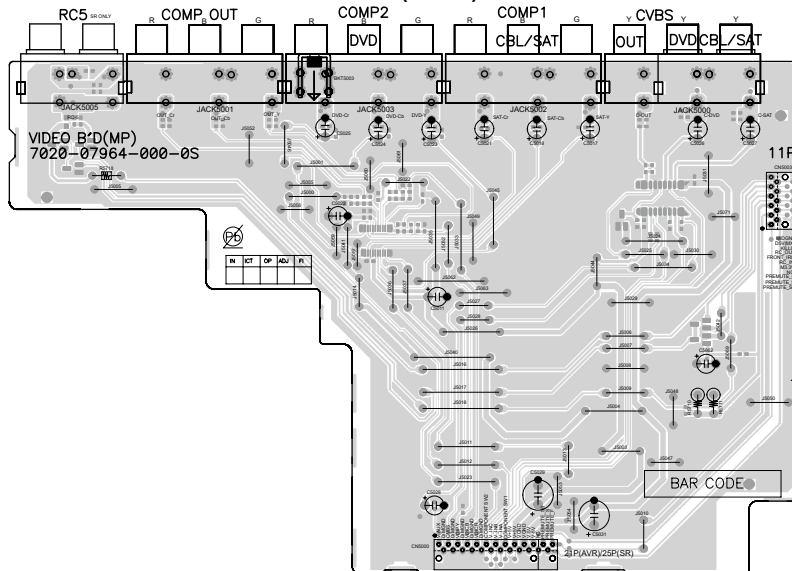
FRONT CNT (A SIDE)



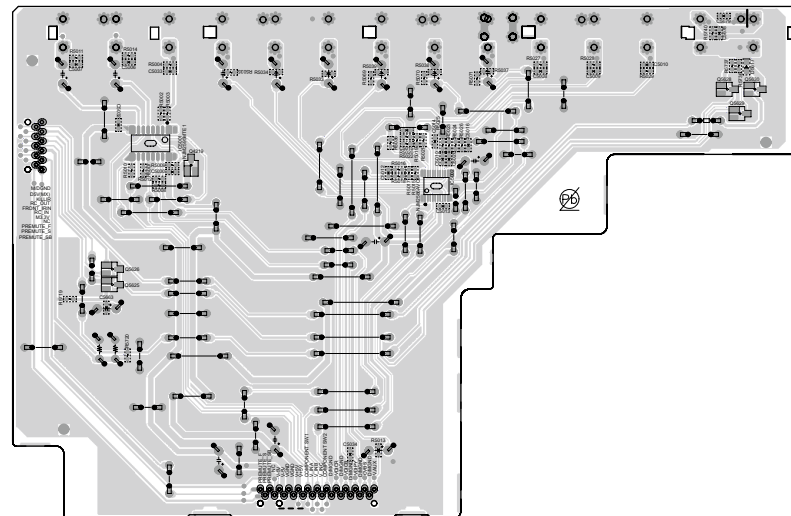
FRONT CNT (B SIDE)

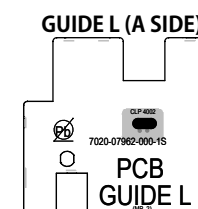
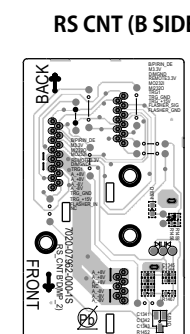
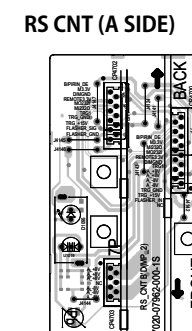
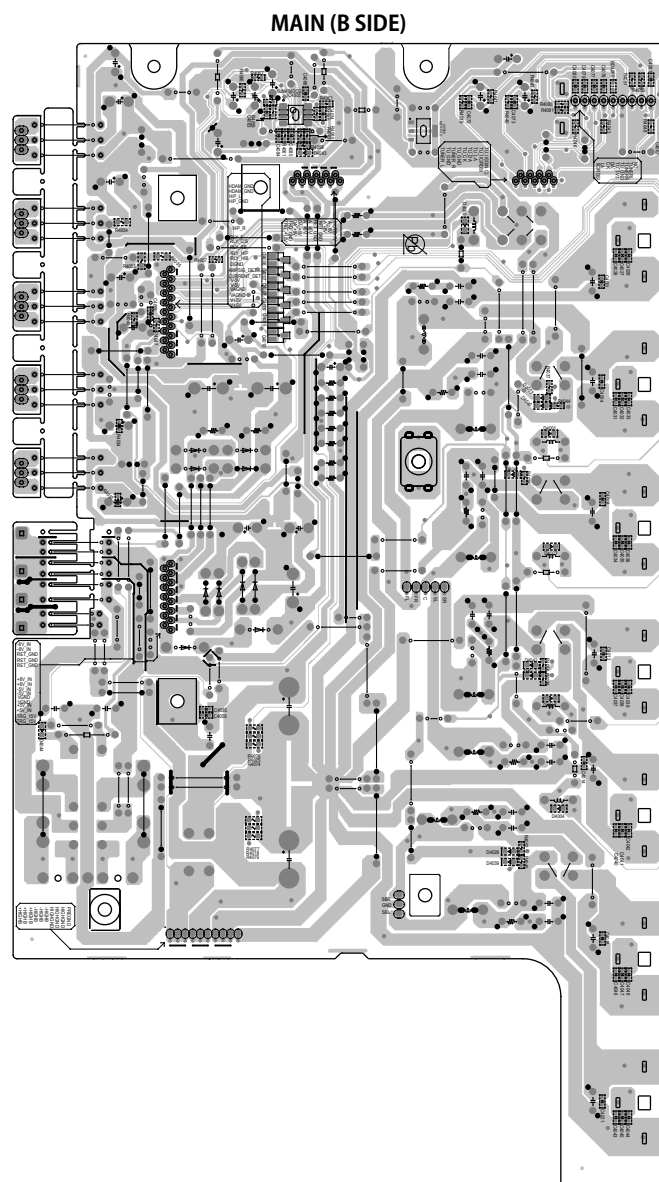
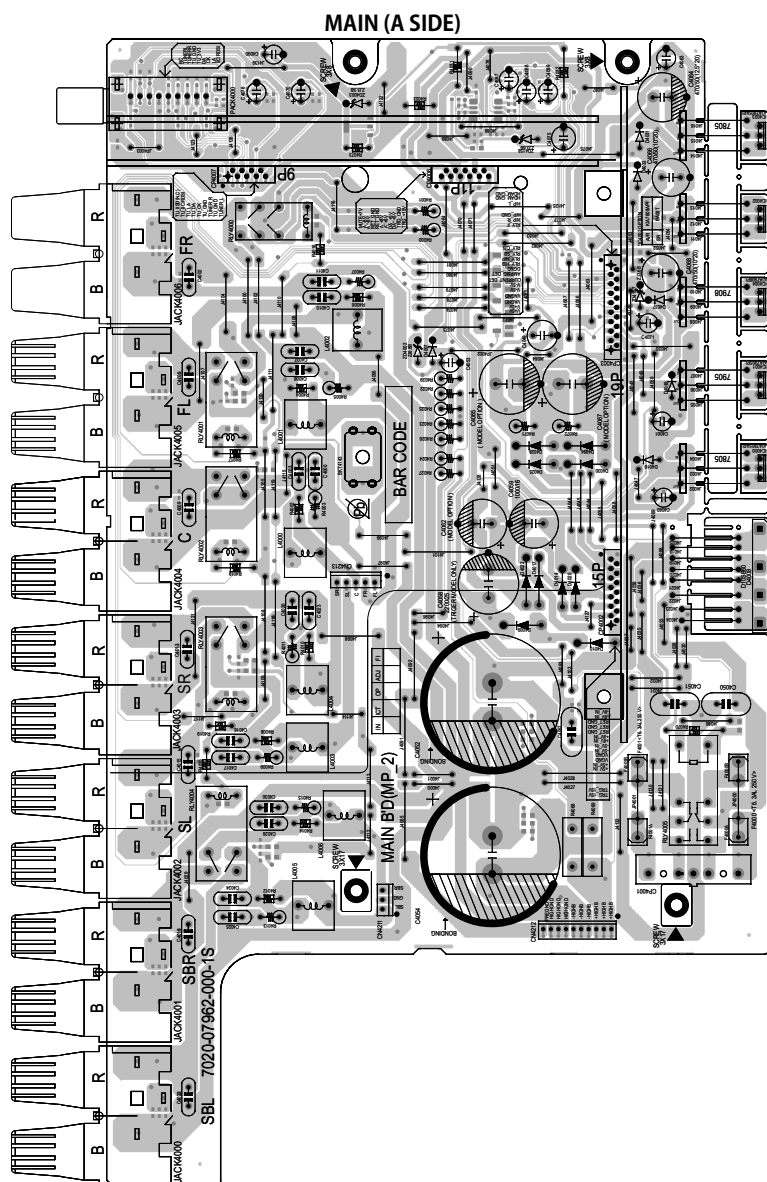


VIDEO (A SIDE)

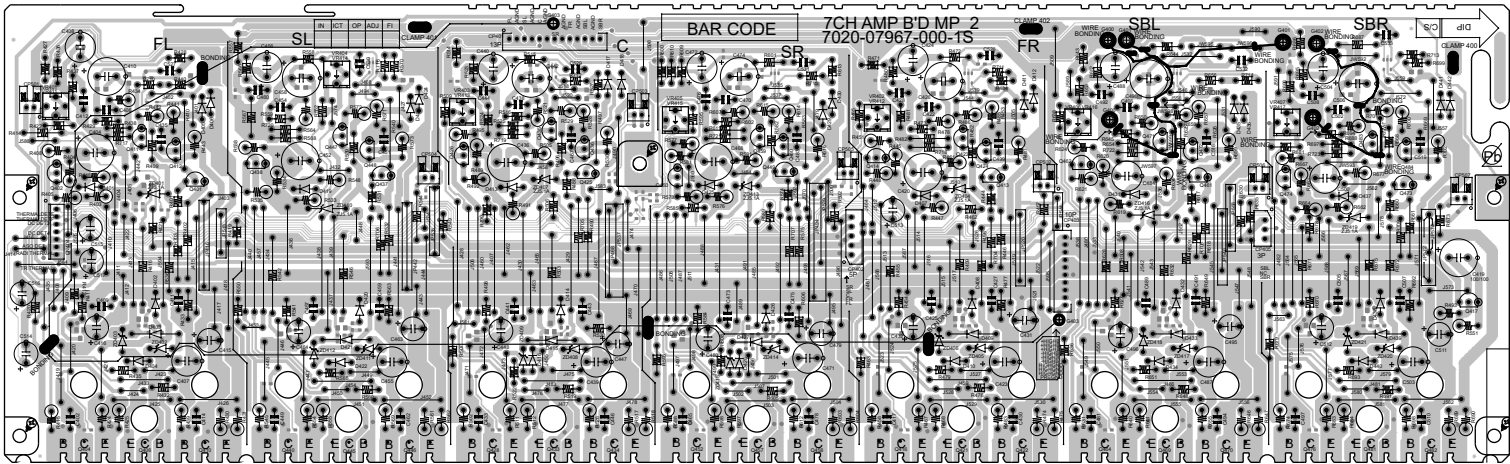


VIDEO (B SIDE)

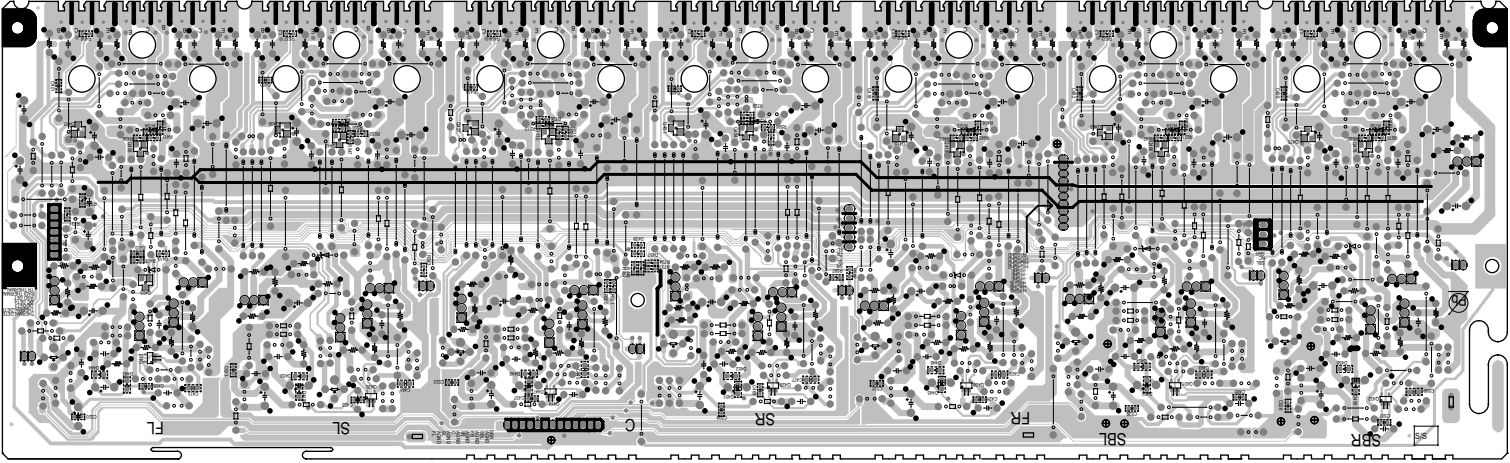


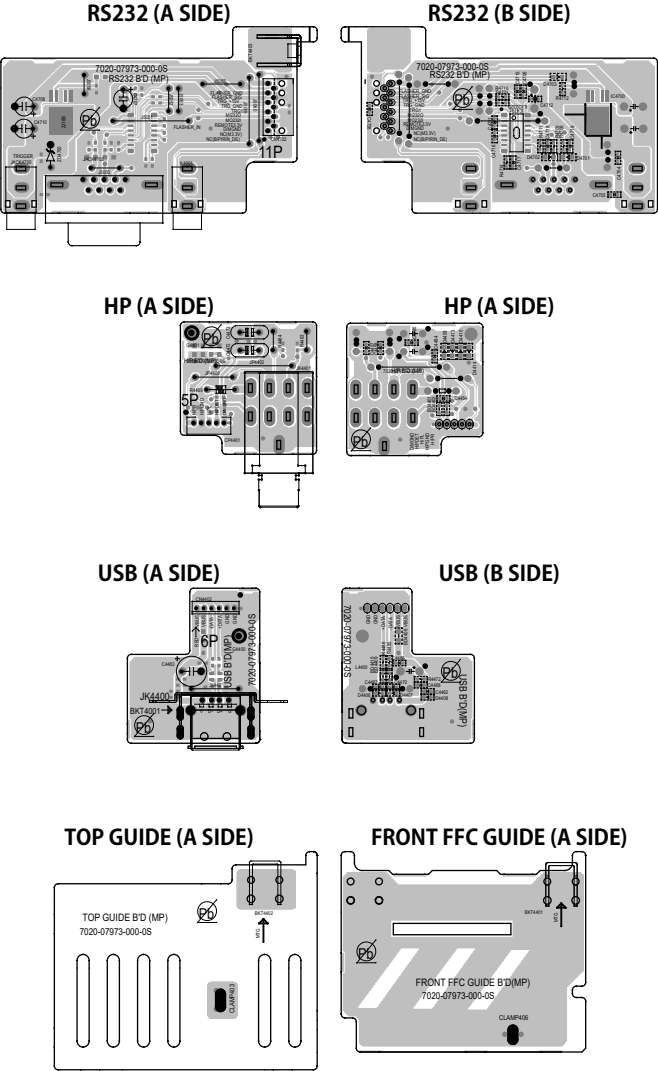
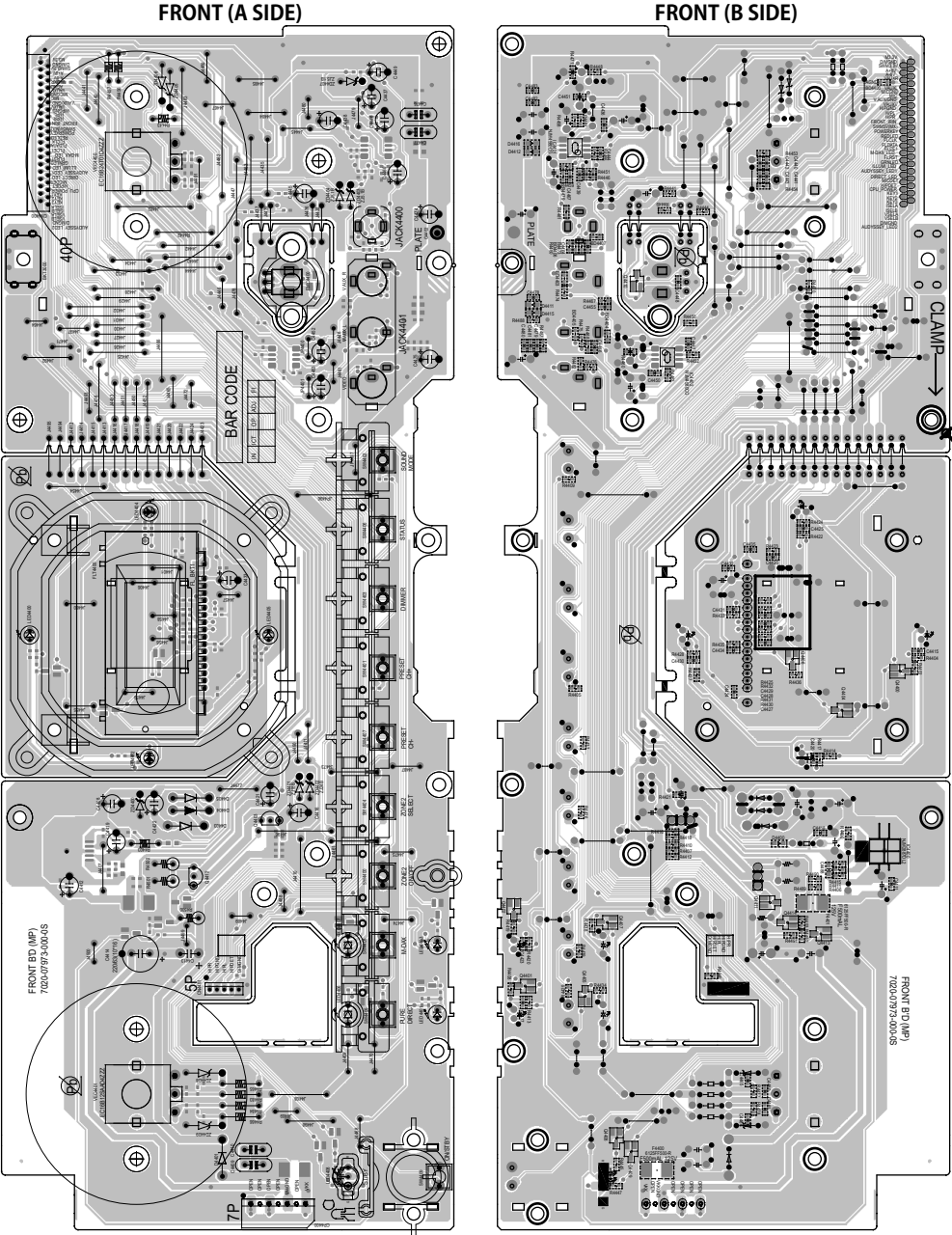


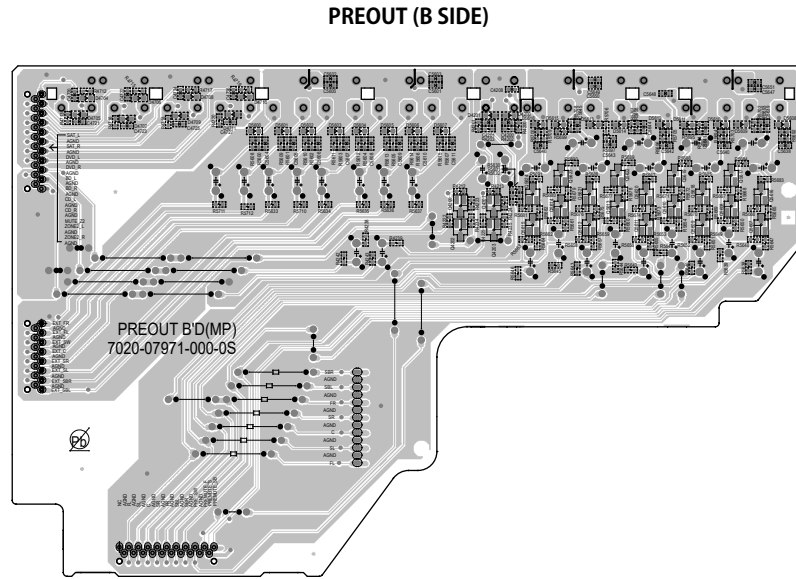
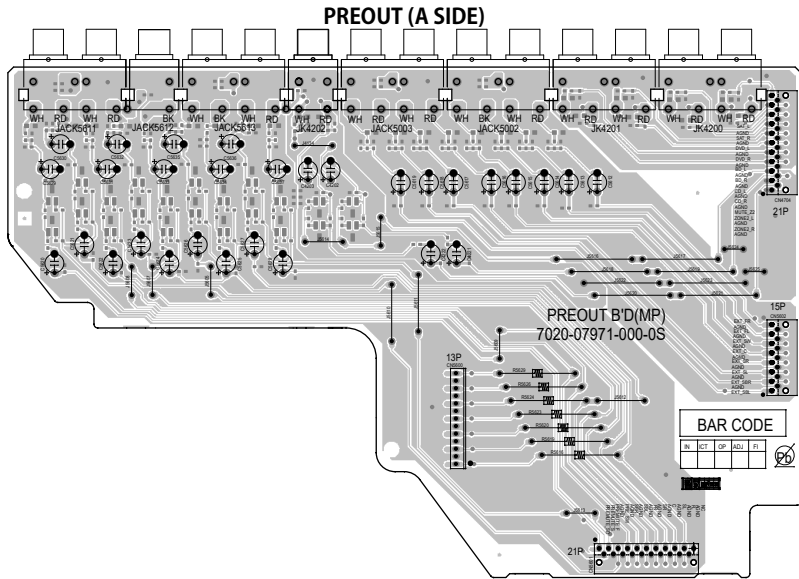
AMP (A SIDE)



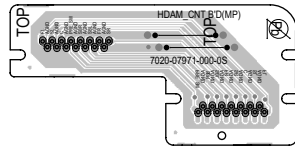
AMP (B SIDE)



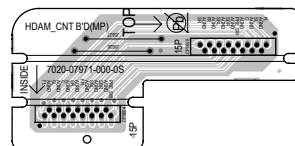




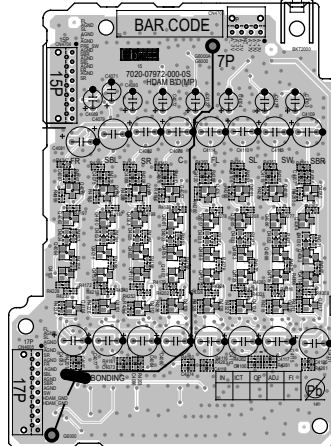
HDAM CNT (A SIDE)



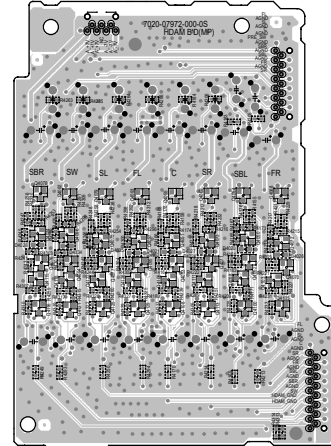
HDAM CNT (B SIDE)



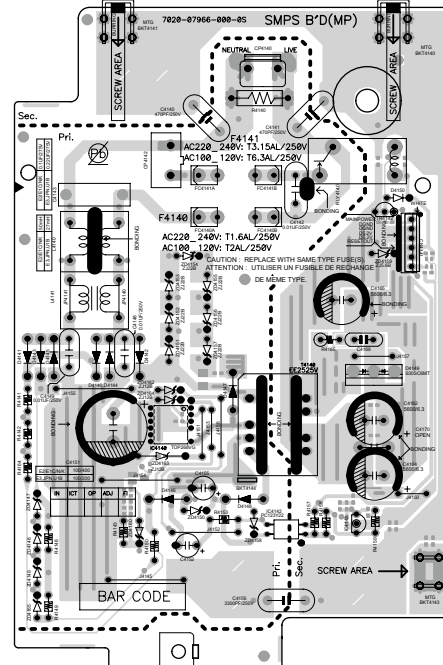
HDAM (A SIDE)



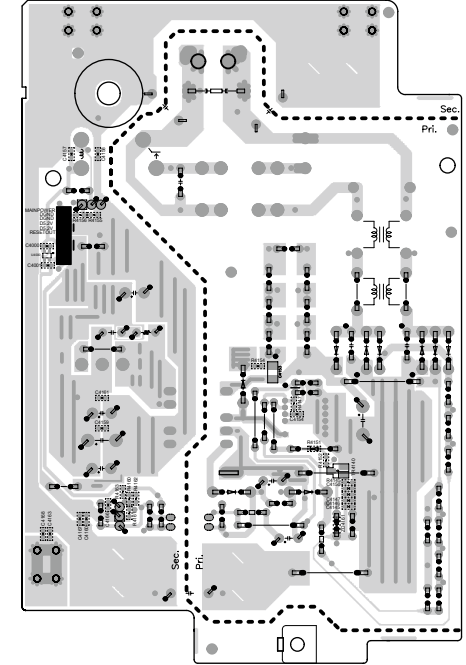
HDAM (B SIDE)



SMPS (A SIDE)



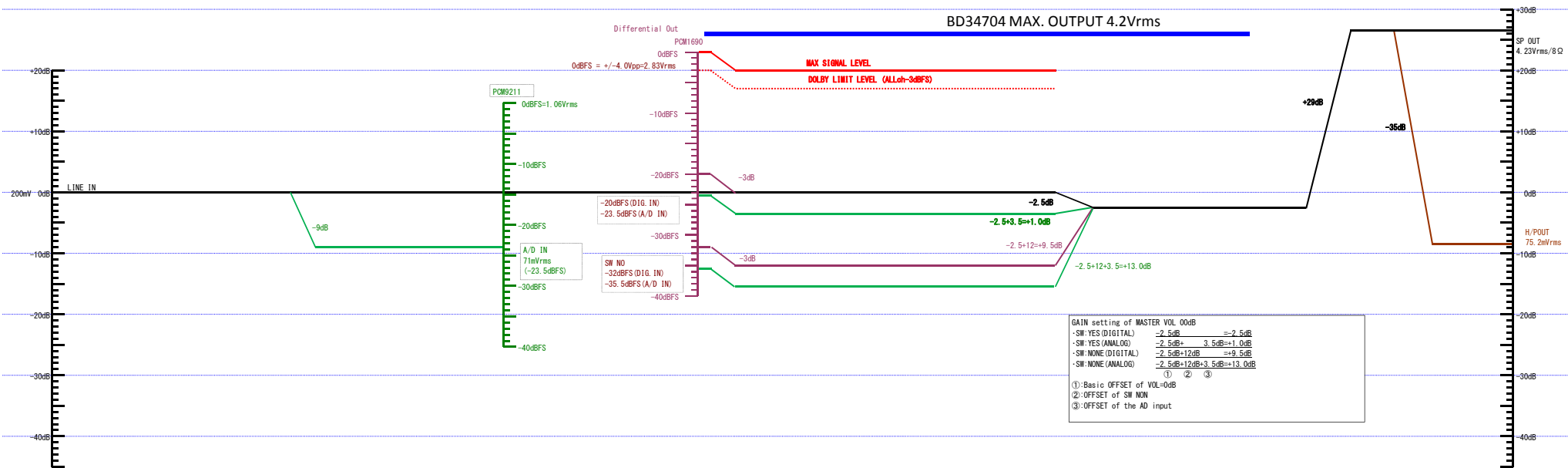
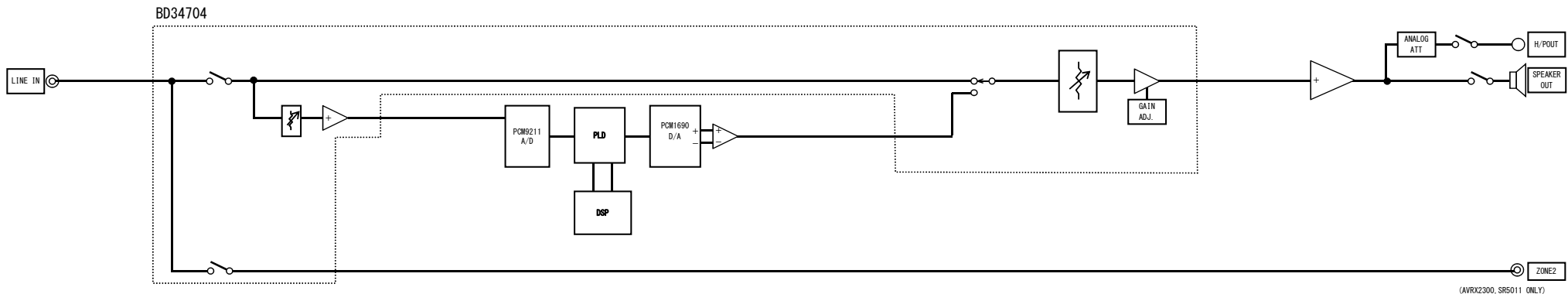
SMPS (B SIDE)



LEVEL DIAGRAM

FRONT ch

AVR-S920W/X2300W
SR5011,NR1607
LEVEL DIAGRAM
FRONT ch



Caution in
servicing

Electrical

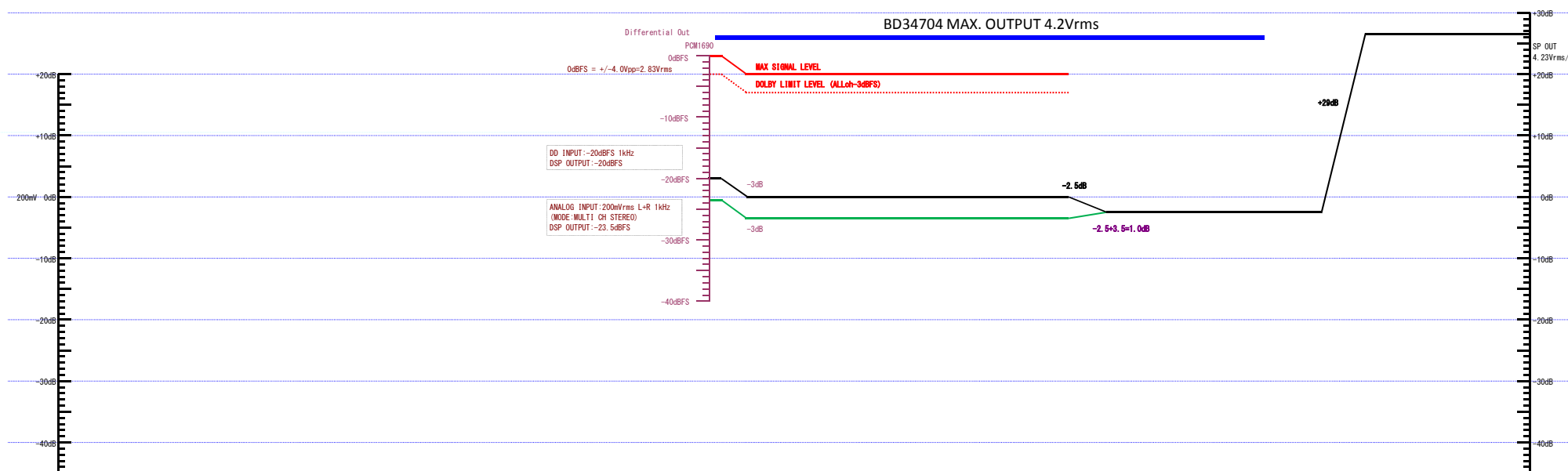
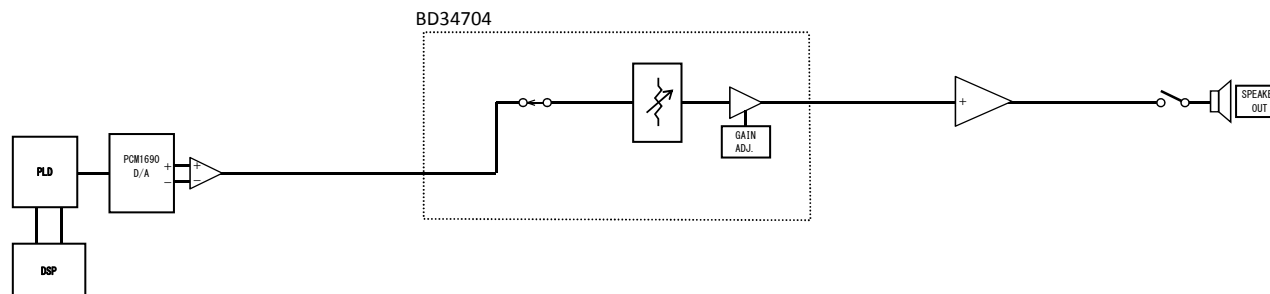
Mechanical

Repair Information

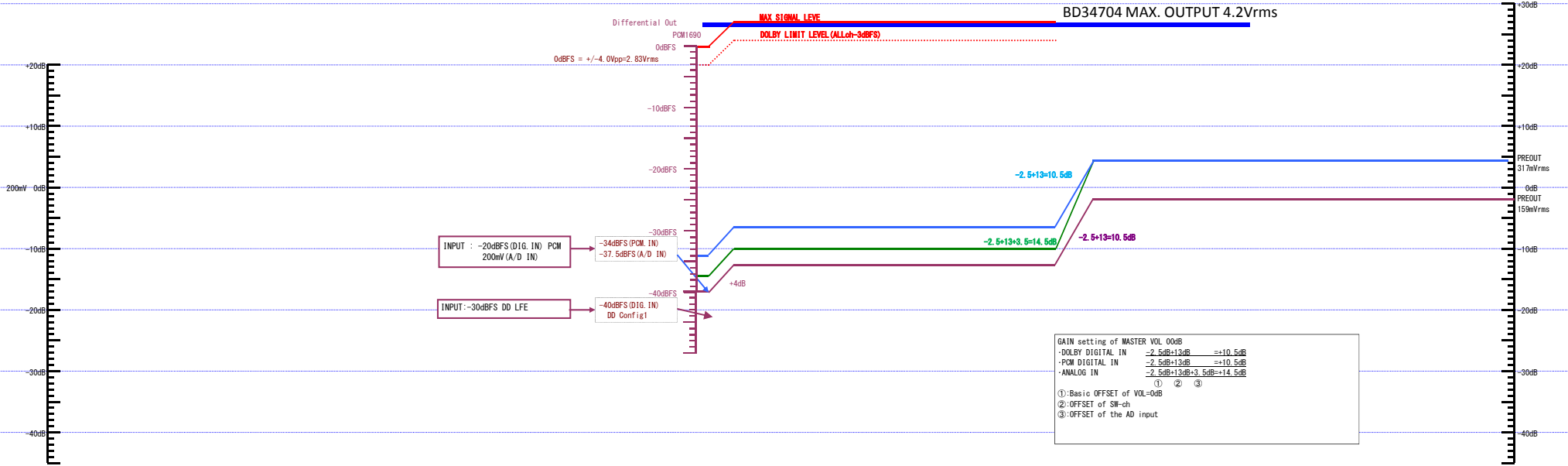
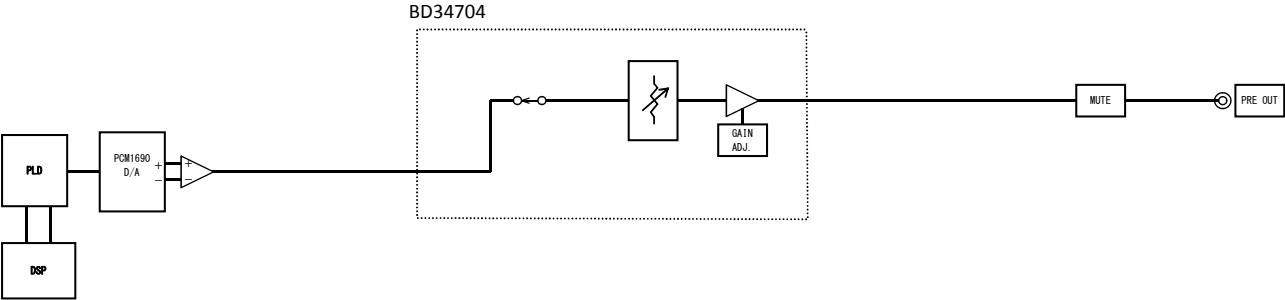
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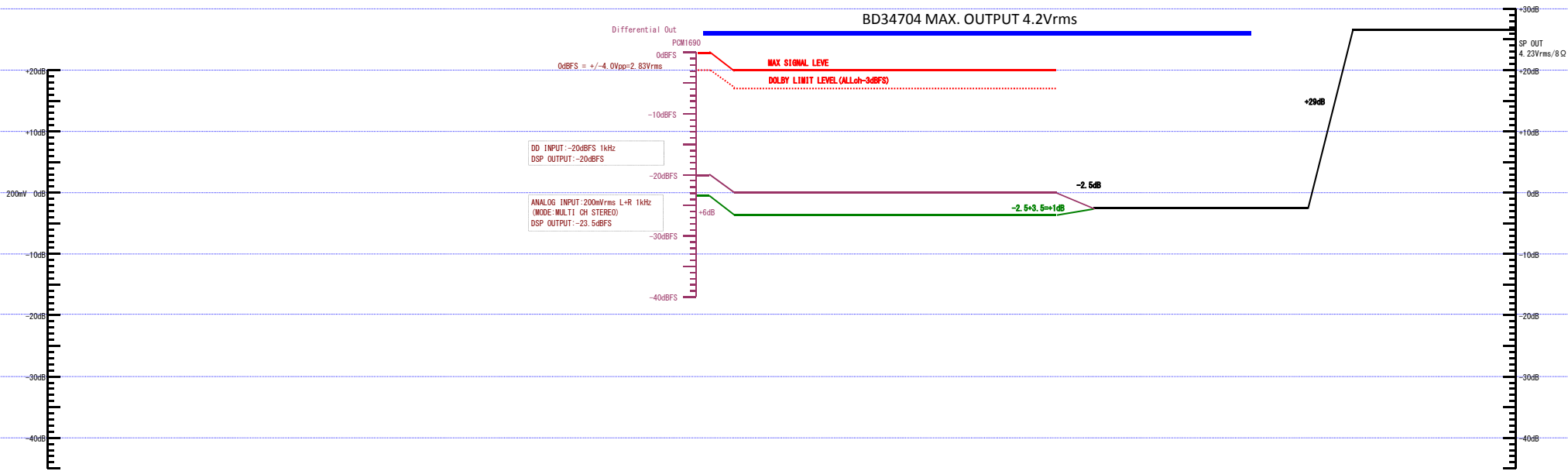
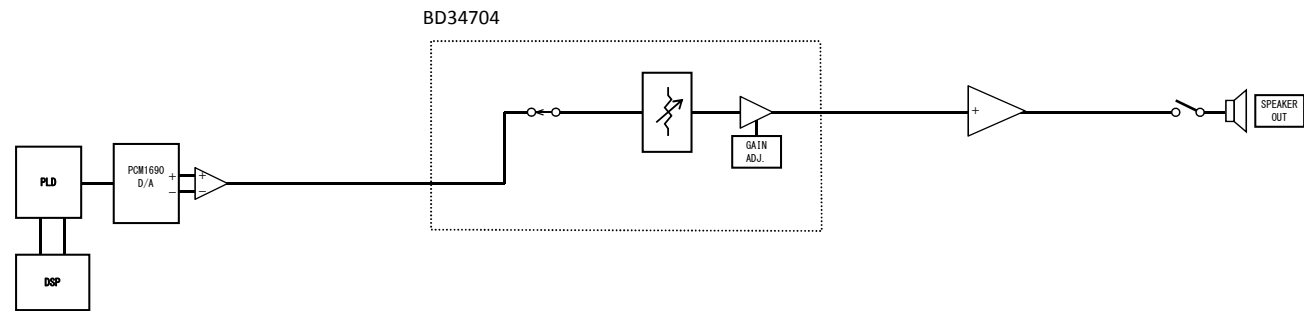
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SR5011,NR1607
LEVEL DIAGRAM
CENTER ch



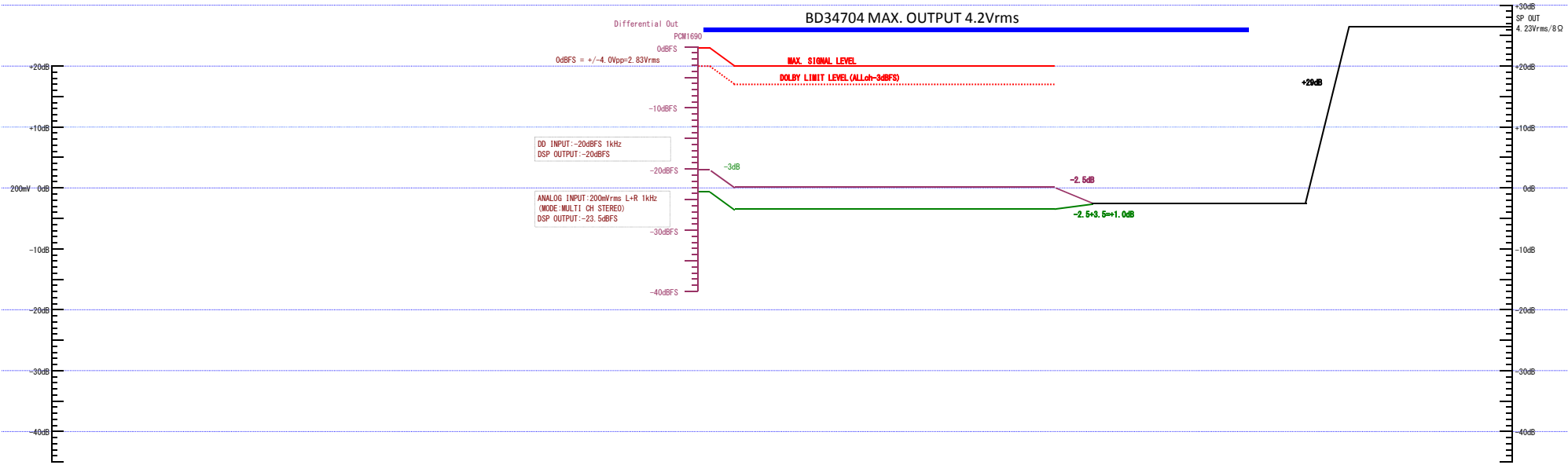
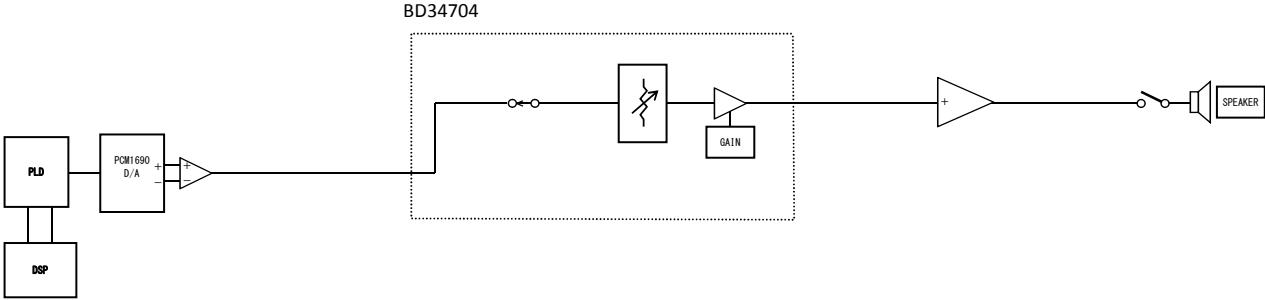
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SR5011,NR1607
LEVEL DIAGRAM
SUBWOOFER ch



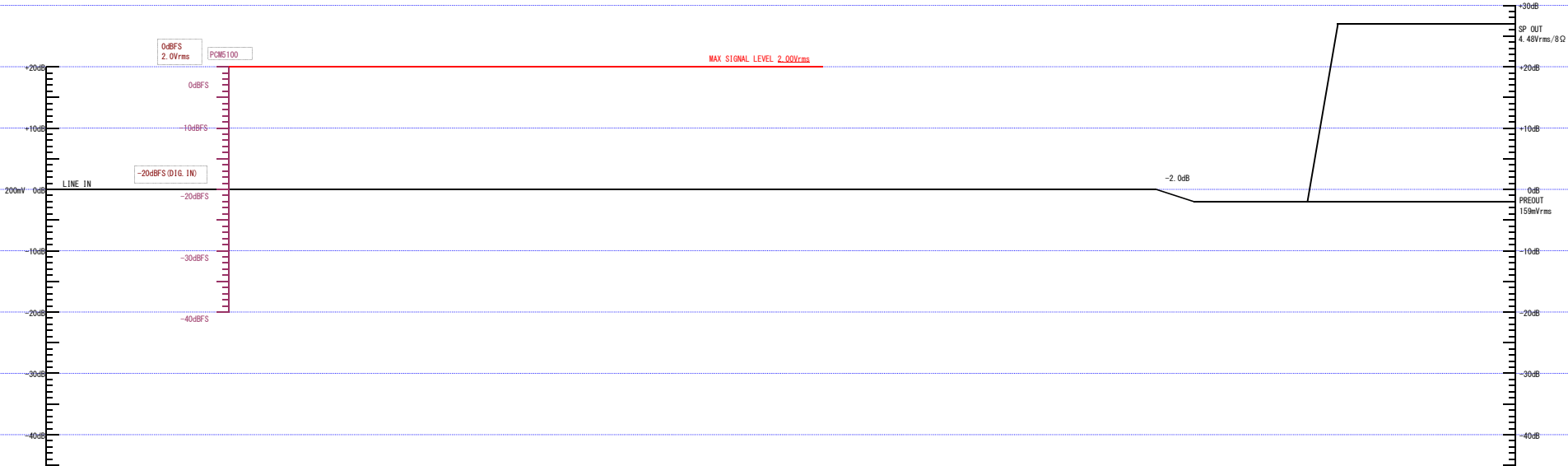
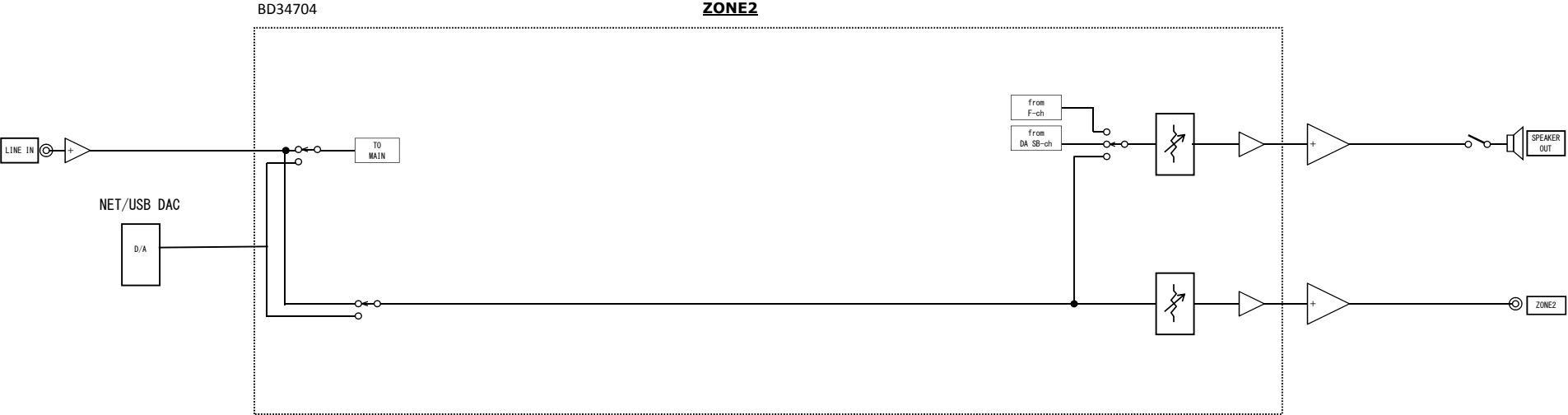
AVR-S920W/X2300
SR5011,NR1607
LEVEL DIAGRAM
SURROUND ch

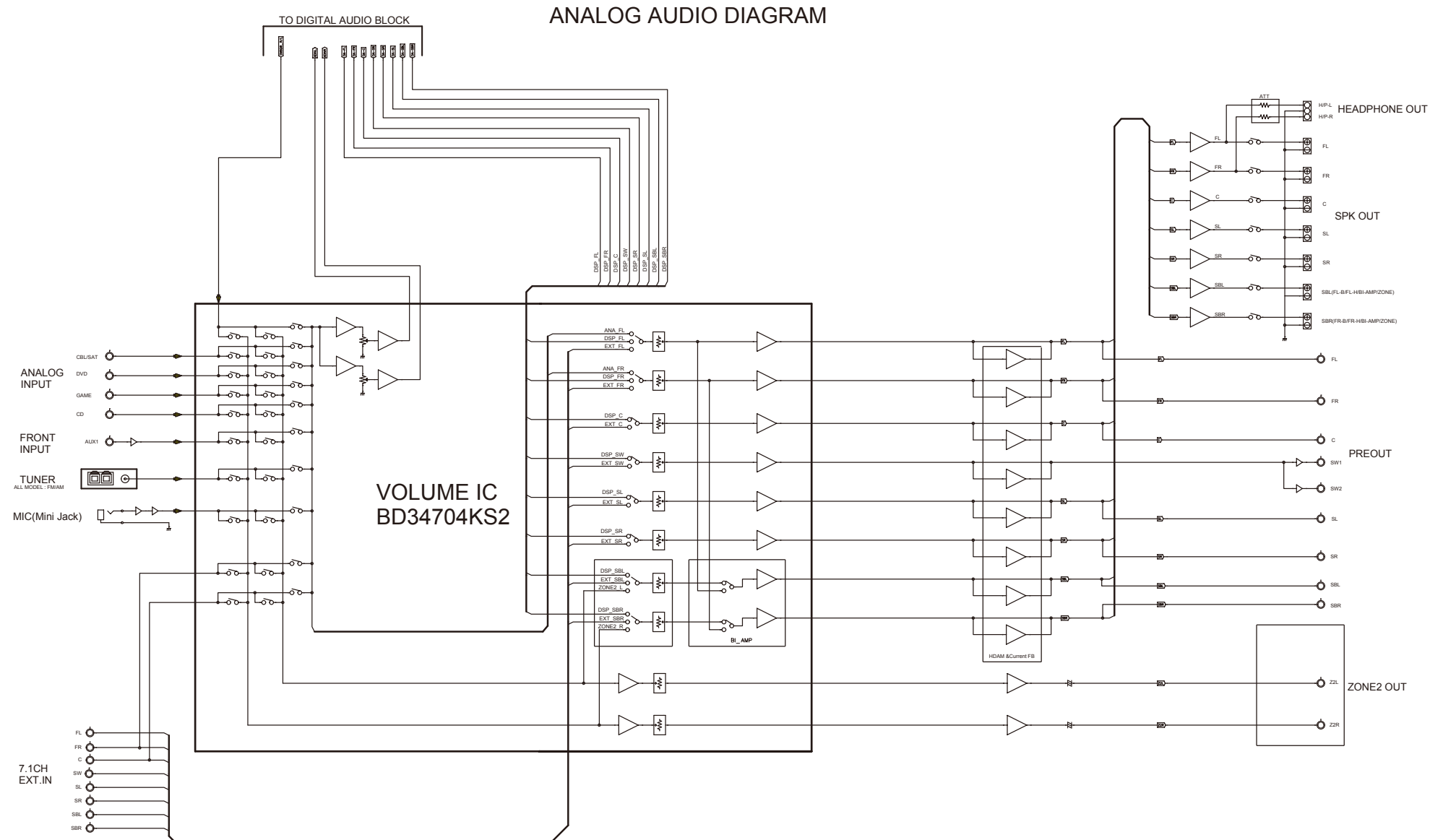


AVR-S920W/X2300W
SR5011,NR1607
LEVEL DIAGRAM
SURR.BACK ch



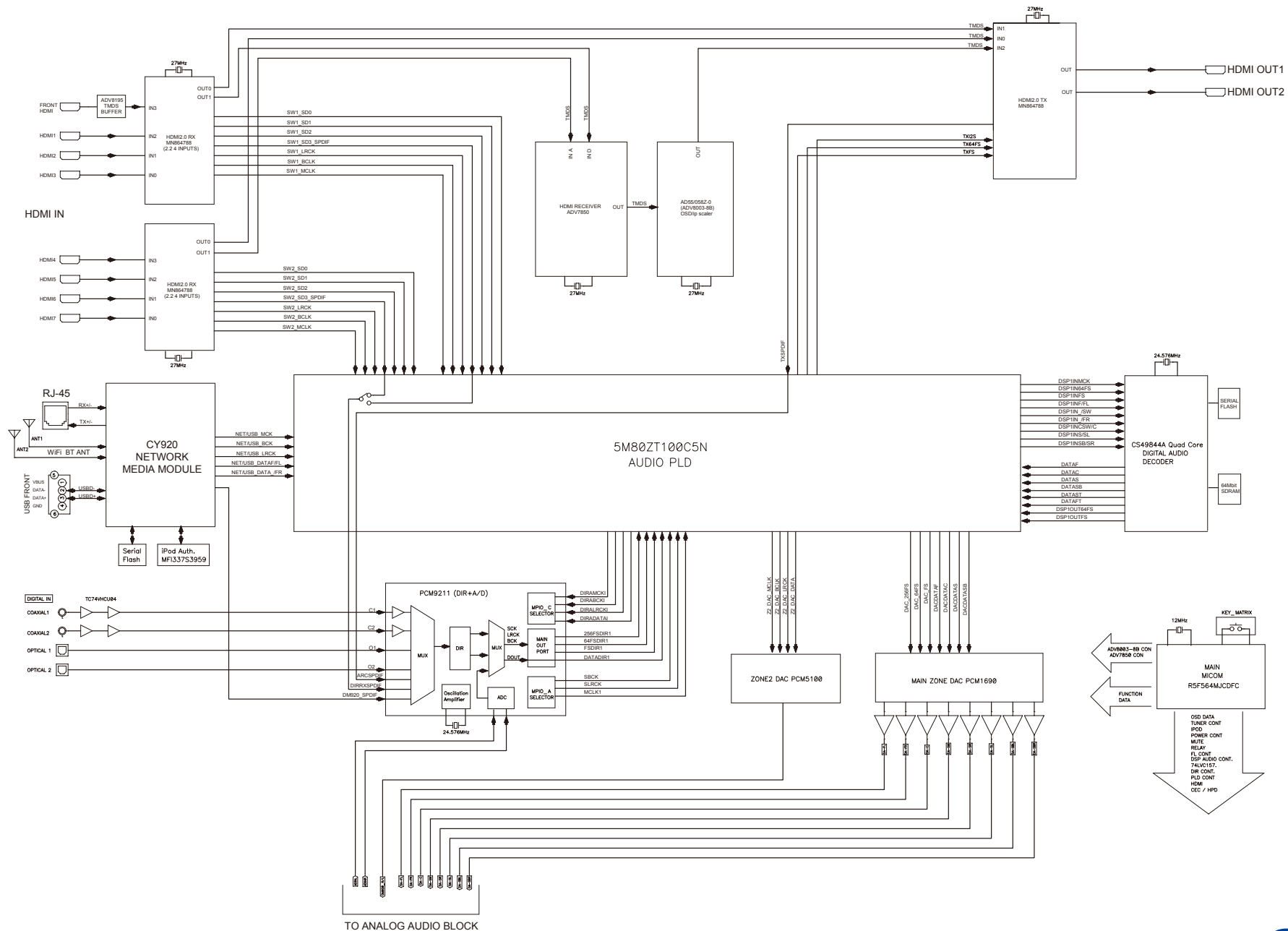
AVR-S920W/X2300W
SR5011.NR1607
LEVEL DIAGRAM
ZONE2





DIGITAL AUDIO DIAGRAM

DIGITAL AUDIO DIAGRAM



Caution in servicing

Electrical

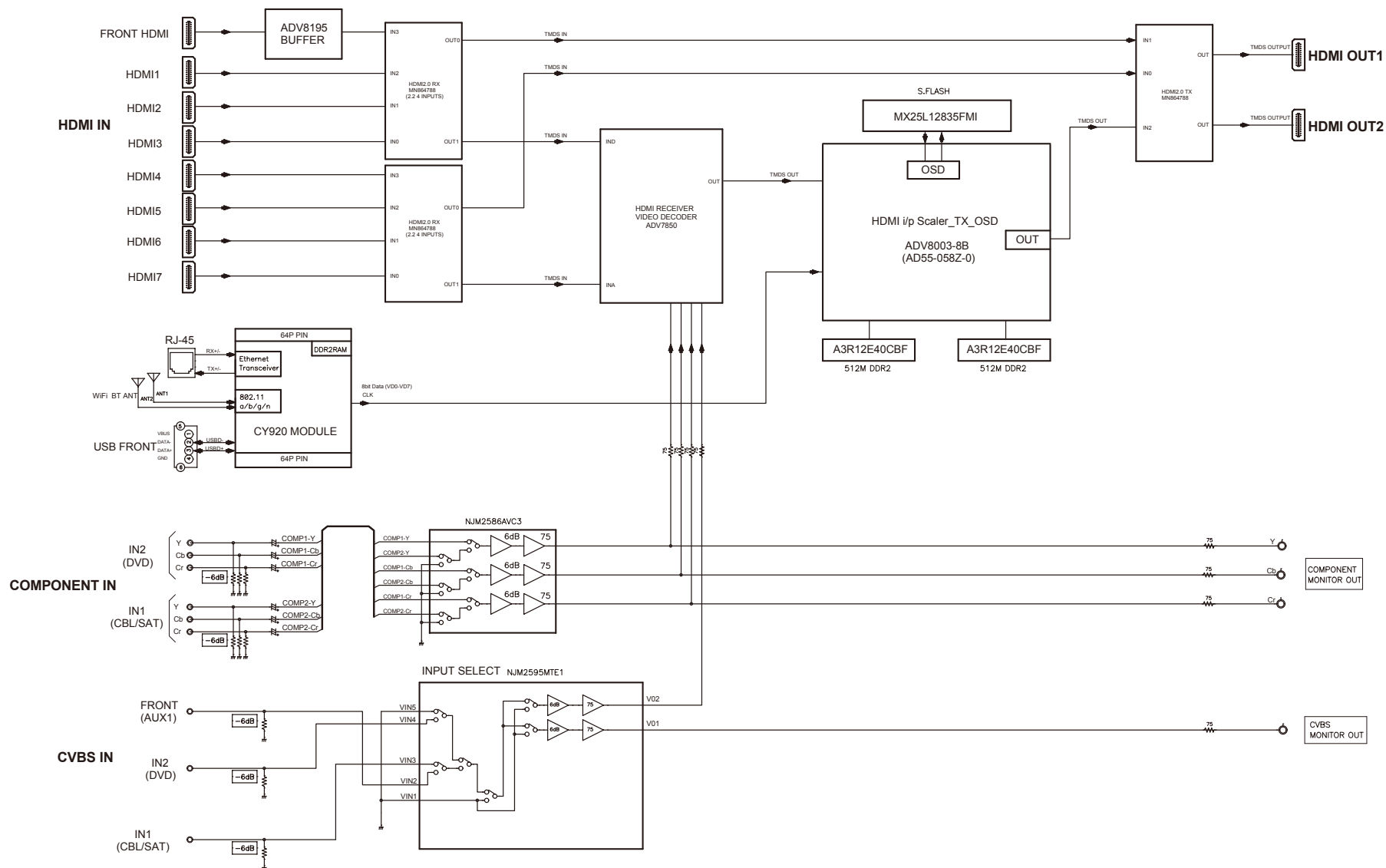
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Repair Information

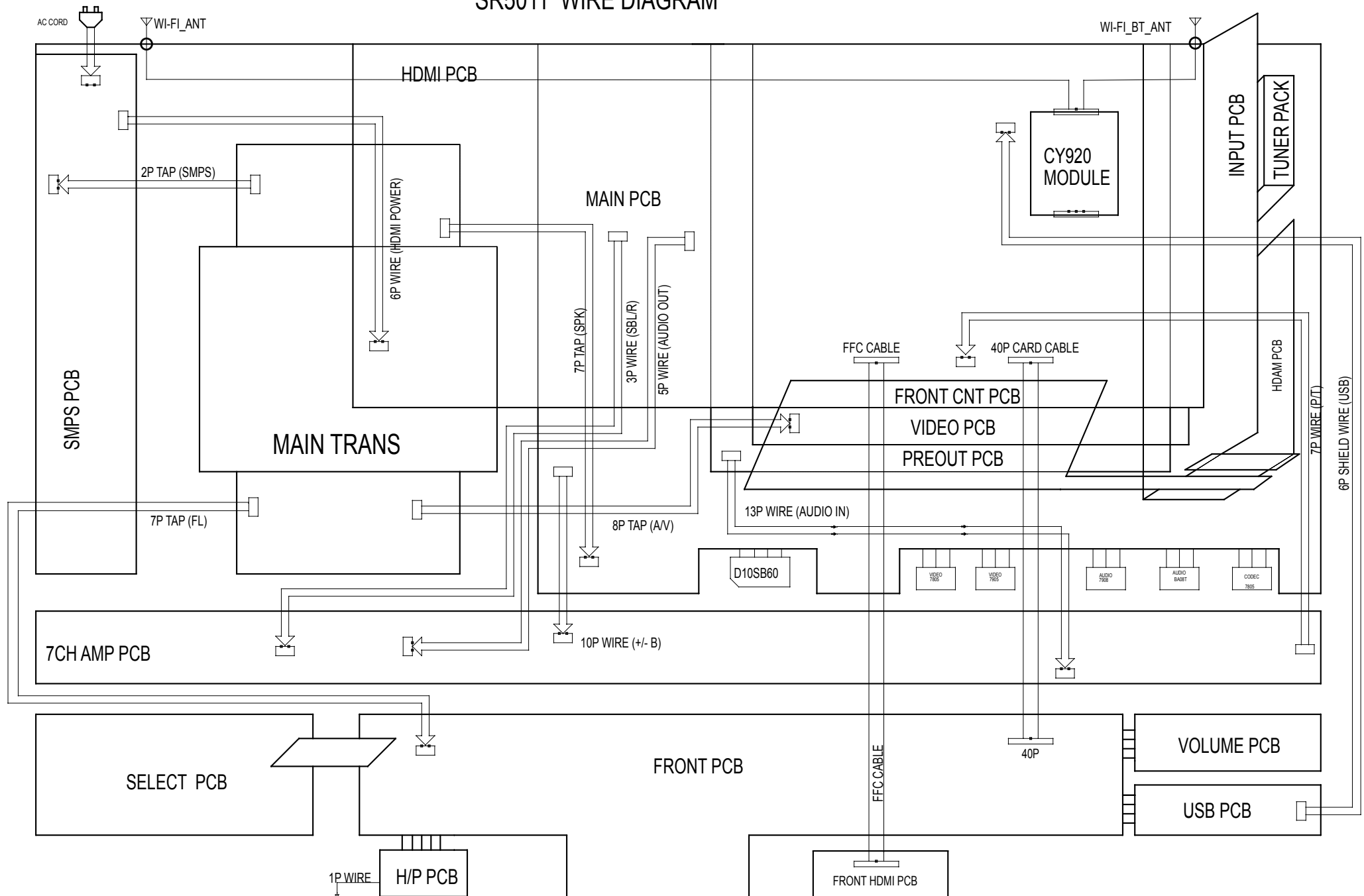
Updating



VIDEO DIAGRAM



SR5011 WIRE DIAGRAM



Caution in
servicing

Electrical

Mechanical

Repair Information

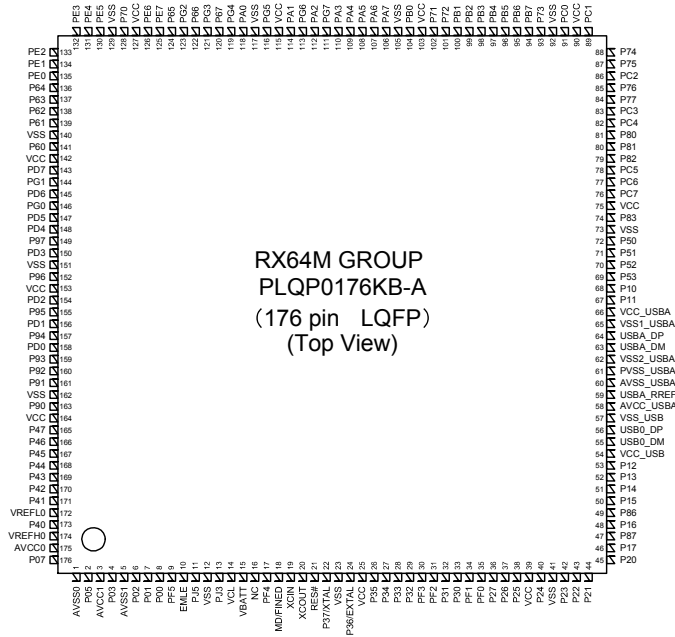
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Only major semiconductors are shown, general semiconductors etc. are omitted to list.
The semiconductor which described a detailed drawing in a schematic diagram are omitted to list.

1. IC's

R5F564MJCDFC (HDMI : U1018)



RX64M GROUP
PLQP0176KB-A
(176 pin LQFP)
(Top View)

R5F56108VNFP Terminal Functions

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
1	AVSS0	AVSS0	-	-	-	-	-	Ground pin
2	P05/IRQ13	POWER KEY	I	M3VPu	I	I	I	Detect Power switch (Release from Wait Mode,Set to interrupt)
3	AVCC1	AVCC1	-	-	-	-	-	Power supply pin
4	P03/IRQ11	RED LED	O	-	L/H	L	H	POWER/STANDBY LED control pin
5	AVSS1	AVSS1	-	-	-	-	-	Ground pin
6	P02/SCK6/IRQ10/AN120	REMOTE POWER(232C) (X2300(NA)/SR5011)/NC(X2300(EU/CH/AP/JP)/S920/NR1607)	O	-	L	L	L	232C power supply (REMOTE 3.3V) control pin
7	P01/RXD6/IRQ9/AN119	RXD MI232O	I	Pd	I	I	I	External data input port (for AMX/FW update via 232C) :Connector is FFC
8	P00/TXD6/IRQ8/AN118	TXD MO232I	O	-	L	L	L	External data output port (for AMX/FW update via 232C) :Connector is FFC

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
9	PF5/IRQ4	WHITE LED(X2300(NA))/GREEN LED(X2300(EU/CH/JP)/S920/SR5011/NR1607)	O	-	L	L	L	POWER LED control pin
10	EMLE	EMLE	I	Pd	-	-	-	E20 Emulator control pin (On chip Emulator is used,this pin should be High. Not used,it should be Low)
11	PJ5	VSEL A	I	-	I	I	I	Master Volume (Rotary encoder) signal input pin
12	VSS	VSS	-	-	-	-	-	Ground pin
13	PJ3	VSEL B	I	-	I	I	I	Master volume (Rotary encoder) signal input pin
14	VCL	VCL	I	-	-	-	-	Smoothing capacitor connection pin
15	VBATT	VBATT	-	-	-	-	-	Power supply pin
16	NC	NC	I	Pd	-	-	-	NC(Pull down)
17	TRST#/PF4	TRST#/NC(NORMRAL)	I/I	Pd	I/I	I/I	I/I	E20 Emulator control pin/When normal operating mode,set to input.
18	MD/FINED	MD	I	M3VPu	I	I	I	Pins for setting the operating mode(select the Boot Mode or User Boot Mode,Single Chip Mode)
19	XCIN	XCIN	I	Pd	-	-	-	NC(Pull down)
20	XCOUT	XCOUT	I	-	-	-	-	NC(open)
21	RES#	RESET	I	-	-	-	-	Reset signal input pin
22	XTAL/P37	XTAL	I	-	-	-	-	Pins for a crystal resonator (Xin=12MHz × 10)
23	VSS	VSS	-	-	-	-	-	Ground pin
24	EXTAL/P36	EXTAL	-	-	-	-	-	Pins for a crystal resonator (Xin=12MHz × 10)
25	VCC	VCC	-	-	-	-	-	Power supply pin
26	UPSEL/P35(IN)/NMI	DSP FLAG3	I	Pd	I	I	I	DSP(CS49844A) interrupt signal input pin
27	P34/SCK6/SCK0/IRQ4	BDOWN	I	-	I	I	I	Detect power down
28	P33/TIOCD0/RXD6/RXD0/IRQ3-DS	RC IN	I	-	I	I	I	Remote input
29	P32/TIOCC0/TXD6/TXD0/IRQ2-DS	NC(S920/X2300/NR1607(EU/JP)/FLASHER IN(NR1607(NA)/SR5011))	O/I	-	L/I	L/I	L/I	Flasher (Remote) input pin (When standby mode,set to interrupt)
30	TMS/PF3	TMS/NC(NORMRAL)	I/I	M3VPu	-/I	-/I	I	E20 Emulator control pin/When normal operating mode,set to input.
31	TDI/PF2/RXD1	TDI/RXD MITSUBISHI	I/O/I	M3VPu	-/I	-/I	I	E20 Emulator control pin/Mitsubishi writer control pin/When normal operating mode,set to input.
32	P31/IRQ1-DS	TU GPO2_INT	I	-	L	L	L	TUNER control
33	P30/RXD1	TU SDIO	I_O	SW3VPu	L	L	L	TUNER control
34	TCK/FINEC/PF1/SCK1	TCK/NC(NORMRAL)	I/I/I	M3VPu	-/I	-/I	I	E20 Emulator control pin/When normal operating mode,set to input.
35	TD0/TXD1/PF0	TD0/TXD MITSUBISHI	O/O/I	M3VPu	-/I	-/I	I	E20 Emulator control pin/Mitsubishi writer control pin/When normal operating mode,set to input.
36	P27/SCK1	TU SEN	O	-	L	L	L	TUNER control
37	P26/TXD1	TU SCLK	O	-	L	L	L	TUNER control
38	P25/RXD3	TU RST	O	SW3VPu	L	L	L	TUNER control
39	VCC	VCC	-	-	-	-	-	Power supply pin
40	P24/SCK3	NC(S920/X2300/KILL IR(SR5011/NR1607)	O	-	L	L	L	Front IR disable control pin
41	VSS	VSS	-	-	-	-	-	Ground pin
42	P23/TXD3	E SPI CS	O	N3VPu	L	L	L	Ethernet(CY920) control pin
43	P22/SCK0	E SPI CLK	O	N3VPu	L	L	L	Ethernet(CY920) control pin

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
44	P21/RXD0/IRQ9	E SPI MIO	I	N3VPu	I	L	I	Ethernet(CY920) control pin
45	P20/TXD0/IRQ8	E SPI MOEI	O	N3VPu	L	L	L	Ethernet(CY920) control pin
46	P17/SCK1/TXD3/IRQ7	E SPI REQ	I	Pd	I	L	I	Ethernet(CY920) control pin
47	P87/TXD10/TIOCA2	NC(S920/X2300)/RC OUT(SR5011/NR1607)	O		L/H	L/L	L/H	Remote code (RC-5) output pin
48	P16/TXD1/RXD3/IRQ6	E RESET	O(ODR)	N3VPu	L	L	L	Ethernet(CY920) RESET control pin (Set to NMOS open-drain output)
49	P86/RXD10	PRE Z2 MUTE(X2300/SR5011/NR1607)/NC(S920)	O		L	L	L	MUTE for ZONE2 preout control pin
50	P15/RXD1/SCK3/IRQ5	AEXP STB	O		L	L	L	Expander (MC14094) control pin
51	P14/IRQ4	AEXP OE	O		L	L	L	Expander (MC14094) control pin
52	P13/TXD2/IRQ3	AEXP CLK	O		L	L	L	Expander (MC14094) control pin
53	P12/RXD2/IRQ2	AEXP DATA	O		L	L	L	Expander (MC14094) control pin
54	VCC_USB	VCC_USB	-	-	-	-	-	Power supply pin
55	USB0_DM	USB0_DM	-	-	-	-	-	NC(open)
56	USB0_DP	USB0_DP	-	-	-	-	-	NC(open)
57	VSS_USB	VSS_USB	-	-	-	-	-	Ground pin
58	AVCC_USBA	AVCC_USBA	-	-	-	-	-	Power supply pin
59	USBA_PREF	USBA_PREF	-	-	-	-	-	NC(open)
60	AVSS_USBA	AVSS_USBA	-	-	-	-	-	Ground pin
61	PVSS_USBA	PVSS_USBA	-	-	-	-	-	Ground pin
62	VSS2_USBA	VSS2_USBA	-	-	-	-	-	Ground pin
63	USBA_DM	USBA_DM	-	-	-	-	-	NC(open)
64	USBA_DP	USBA_DP	-	-	-	-	-	NC(open)
65	VSS1_USBA	VSS1_USBA	-	-	-	-	-	Ground pin
66	VCC_USBA	VCC_USBA	-	-	-	-	-	Power supply pin
67	P11/SCK2/IRQ1	CEC_OUT	O		L	L	-	CEC-D control pin
68	P10/IRQ0	CEC_IN	I	SW3VPu	I	I	I	CEC-D control pin
69	P53	ADV8003 SPI CS	O		L	L	L	GUI control pin(ADV8003)
70	P52/RXD2	ADV8003 SPI MI	I		L	L	L	GUI control pin(ADV8003)
71	P51/SCK2	ADV8003 SPI CLK	O		L	L	L	GUI control pin(ADV8003)
72	P50/TXD2	ADV8003 SPI MO	O		L	L	L	GUI control pin(ADV8003)
73	VSS	VSS	-	-	-	-	-	Ground pin
74	P83/SCK10	IP_RST	O	Pd	I	I	L	Scaler w/ GUI (ADV8003) Reset control pin
75	VCC	VCC	-	-	-	-	-	Power supply pin
76	UB/PC7/TXD8/IRQ14	UB	I	Pd	-	-	-	Pins for setting the boot mode(select the Boot Mode or User Boot Mode)
77	PC6/RXD8/IRQ13	AVSDA	I_O	DV-3VPu	O/L	O/L	L	VIDEO I2C control pin for ADV8003/ ADV7850(except X2300/S920)
78	PC5/SCK8	AVSCL	I_O	DV-3VPu	O/L	O/L	L	VIDEO I2C control pin for ADV8003/ ADV7850(except X2300/S920)
79	P82/TXD10	DSP MOSI	O	DA3VPu	L	L	L	DSP(CS49844A) control pin
80	P81/RXD10	DSP MISO	I	DA3VPu	L	L	L	DSP(CS49844A) control pin
81	P80/SCK10	DSP CLK	O	DA3VPu	L	L	L	DSP(CS49844A) control pin
82	PC4/SCK5	DSP CS	O	DA3VPu	L	L	L	DSP(CS49844A) control pin
83	PC3/TXD5	DSP FLAG0	I	Pd	L	L	L	DSP(CS49844A) interrupt signal input pin
84	P77/TXD11	DSP RST	O		L	L	L	DSP(CS49844A) reset control pin
85	P76/RXD11	DSP BUSY	I		L	L	L	DSP BUSY signal input
86	PC2/RXD5	DA_POWER	O		L	L	L	Digital audio power supply (DA3.3V,DA1.2V) control pin
87	P75/SCK11	CEC POWER2	O		L	L	L	CEC standby power control (for CEC Standby Mode 3)

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
88	P74	DSP ROM WRITE	O		L	L	L	DSP ROM writing control(When writing,set to High)
89	PC1/SCK5/IRQ12	DAC.PLD ERR	I		L	L	L	Detect PLD error (from Audio PLD)
90	VCC	VCC	-	-	-	-	-	Power supply pin
91	PC0/IRQ14	H/P RL	O	-	L	L	L	Headphone relay control pin
92	VSS	VSS	-	-	-	-	-	Ground pin
93	P73	FRONT RL	O	-	L	L	L	Speaker relay control pin
94	PB7/TXD9	HSDA	I/O	CE-C3VPu	L	L	L	HDMI I2C control pin for MN864788
95	PB6/RXD9	HSCL	I/O	CE-C3VPu	L	L	L	HDMI I2C control pin for MN864788
96	PB5/SCK9	JTAG TDO	I		L	L	L	JTAG I/F for PLD writing
97	PB4	APLD CS	O		L	L	L	Audio PLD (5M80ZT100C5N) control pin
98	PB3/SCK4/SCK6	APLD DATA/ DAC DATA	O		L	L	L	Audio PLD (5M80ZT100C5N) control pin/DAC (PCM1690) control pin
99	PB2	APLD CLK/ DAC CLK	O		L	L	L	Audio PLD (5M80ZT100C5N) control pin/DAC (PCM1690) control pin
100	PB1/TXD4/TXD6/IRQ4-DS	DAC MS	O		L	L	L	DAC (PCM1690) control pin
101	P72	DAC RST	O		L	L	L	DAC (PCM1690) control pin
102	P71	PRE MUTE	O	-	L	L	L	MUTE for preout control pin
103	VCC	VCC	-	-	-	-	-	Power supply pin
104	PB0/RXD4/RXD6/IRQ12	DA POWER2	O		L	L	L	Digital audio power supply (DA1.0V) control pin
105	VSS	VSS	-	-	-	-	-	Ground pin
106	PA7	ISEL A	I		I	I	I	Input selector (Rotary encoder) signal input pin
107	PA6	ISEL B	I		I	I	I	Input selector (Rotary encoder) signal input pin
108	PA5	C/S RL	O		L	L	L	Speaker relay control pin
109	PA4/TXD5/SSDA5/IRQ5-DS	(Debug pin for data flash)	O		L	L	L	NC (Debug pin for data flash of MCU.Write:High)
110	PA3/RXD5/SSCL5	NC	O		L	L	L	NC
111	TRDATA3/PG7	VOL CLK	O		L	L	L	Function w/ Volume control pin(BD34703KS2)
112	PA2/RXD5	VOL DATA	O		L	L	L	Function w/ Volume control pin(BD34703KS2)
113	TRDATA2/PG6	JTAG TMS	O	DA3.3Pu	L	L	L	JTAG I/F for PLD writing
114	PA1/SCK5/IRQ11	JTAG TDI	O	DA3.3Pu	L	L	L	JTAG I/F for PLD writing
115	VCC	VCC	-	-	-	-	-	Power supply pin
116	TRCLK/PG5	JTAG TCK	O	PD	L	L	L	JTAG I/F for PLD writing
117	VSS	VSS	-	-	-	-	-	Ground pin
118	PA0	HVS DET	I	-	I	I	I	HDMI IN 5V detect signal pin
119	TRSYNC/PG4	FL RST	O		L	L	L	FL display control pin
120	P67/IRQ15	FL CE	O		L	L	L	FL display control pin
121	TRDATA1/PG3	FL CLK	O		L	L	L	FL display control pin
122	P66	FL DATA	O		L	L	L	FL display control pin
123	TRDATA0/PG2	SB RL	O		L	L	L	Speaker relay control pin
124	P65	CPU_POWER2(S920/X2300/NR1607)/FIL_CTRL(SR5011)	O		L	L	L	CPU power supply control pin(same as 131pin) / Filament Power control pin (for Portal FLD)
125	PE7/IRQ7/AN105	ASO DET	I	SW3VPu	I	L	I	Protection detect signal input pin (for ASO)
126	PE6/IRQ6/AN104	DC DET	I	SW3VPu	I	L	I	Protection detect signal input pin (for DC)
127	VCC	VCC	-	-	-	-	-	Power supply pin
128	P70	HIGH B RL	O		L	L	L	HIGH-B relay control pin
129	VSS	VSS	-	-	-	-	-	Ground pin
130	PE5/IRQ5/AN103	MAIN POWER	O		L	L	L	Power supply control pin
131	PE4/AN102	CPU POWER	O		L	L	L	CPU power supply control pin
132	PE3/AN101	E POWER1	O		L	L	L	Ethernet(CY920) power supply control(for 3.3V)
133	PE2/RXD12/IRQ7-DS/AN100	E POWER2	O		L	L	L	Ethernet(CY920) power supply control(for 2.5V)
134	PE1/TXD12	E POWER3	O		L	L	L	Ethernet(CY920) power supply control(for 1.8V)
135	PE0/SCK12	E POWER4	O		L	L	L	Ethernet(CY920) power supply control(for 1.2V)

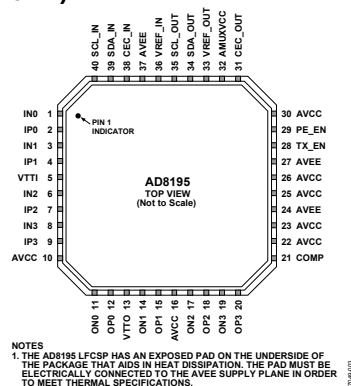


Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
136	P64	D5V POWER	O		L	L	H	Digital 5V power supply control pin(3.3V and 1.8V generate from 5V)
137	P63	CEC_POWER	O		L	L	-	CEC standby power supply control(CEC5V,CEC3.3V,CEC1.8V)
138	P62	DV_POWER1	O		L	L	L	Digital video power supply (DV5V,DV3.3V) control pin
139	P61	DV_POWER2	O		L	L	L	Digital video power supply (DV1.8V) control pin
140	VSS	VSS	-		-	-	-	Ground pin
141	P60	DIR DIN	O		L	L	L	DIR (PCM9211) control pin
142	VCC	VCC	-		-	-	-	Power supply pin
143	PD7/IRQ7/AN107	DIR CE	O		L	L	L	DIR (PCM9211) control pin
144	PG1	DIR DOUT	I	DA3.3Pu	I	I	I	DIR (PCM9211) control pin
145	PD6/IRQ6/AN106	DIR CLK	O		L	L	L	DIR (PCM9211) control pin
146	PG0	DIR RST	O		L	L	L	DIR (PCM9211) control pin
147	PD5/IRQ5/AN113	788_2_HAINT	I	-	Z		-	HDMI Rx (MN864788) audio interrupt signal det
148	PD4/IRQ4/AN112	SW_SDA(X2300)/NC(NR1607/SR5011)	I_O/O	DV-3VPu	O/L	O/L	L	HDMI TMDS switch I2C ccontrol pin for TMDS261B
149	P97	DE_RST(NR1607/SR5011)/NC(X2300/S920)	O	Pd	Z		L	Video decoder (ADV7850) reset control pin
150	PD3/IRQ3/AN111	788_1_HINT	I	-	Z		-	HDMI Tx (MN864788) interrupt signal input pin
151	VSS	VSS	-		-	-	-	Ground pin
152	P96	788_1_RST	O	Pd	Z		-	HDMI Tx (MN864788) reset control pin
153	VCC	VCC	-		-	-	-	Power supply pin
154	PD2/IRQ2/AN110	788_2_HINT	I	-	Z		-	HDMI Rx (MN864788) interrupt signal input pin
155	P95	788_2_RST	O	Pd	Z		-	HDMI Rx (MN864788) reset control pin
156	PD1/IRQ1/AN109	788_3_HINT	I	-	Z		-	HDMI Rx (MN864788) interrupt signal input pin
157	P94	788_3_RST	O	Pd	Z		-	HDMI Rx (MN864788) reset control pin
158	PD0/IRQ0/AN108	TX EN	O		L	L	L	Front HDMI (AD8195) control
159	P93/AN117	THERMAL A	I	SW3VPu	I	L	I	Protection detect signal input pin (for power TR)
160	P92/RXD7/AN116	THERMAL B	I	SW3VPu	I	L	I	Protection detect signal input pin (for power TR)
161	P91/AN115	SW_SCL(X2300)/NC(NR1607/SR5011)	I_O/O	DV-3VPu	O/L	O/L	L	HDMI TMDS switch I2C control pin for TMDS261B
162	VSS	VSS	-		-	-	-	Ground pin
163	P90/TXD7/AN114	THERMAL E	I	SW3VPu	I	L	I	Protection detect signal input pin (for Heat sink)
164	VCC	VCC	-		-	-	-	Power supply pin
165	P47/IRQ15-DS/AN007	788_3_HAINT	I	-	Z		-	HDMI Rx (MN864788) audio interrupt signal det
166	P46/IRQ14-DS/AN006	CURRENT DET	I/O		I/L	L/L	I/L	Current level monitor pin (A/D converter)
167	P45/IRQ13-DS/AN005	AMPSIGDET	I		I	L	I	Signal level monitor pin (AD converter)
168	P44/IRQ12-DS/AN004	MODE	I		I	I	I	Region setting pin
169	P43/IRQ11-DS/AN003	KEY3	I	M3VPu	I	I	I	Key control signalinput pin (When standby mode,set to inturrupt)
170	P42/IRQ10-DS/AN002	KEY2	I	M3VPu	I	I	I	Key control signalinput pin (When standby mode,set to inturrupt)
171	P41/IRQ9-DS/AN001	KEY1	I	M3VPu	I	I	I	Key control signalinput pin (When standby mode,set to inturrupt)
172	VREFLO	VREFLO	-		-	-	-	Ground pin
173	P40	MIC DET	I		I	I	I	Microphone insert detect pin (When insert a Microphone,this pin become high.)
174	VREFH0	VREFH0	-		-	-	-	Power supply pin
175	AVCC0	AVCC0	-		-	-	-	Power supply pin

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
176	P07/IRQ15	H/P DET	I		I	I	I	Headphone insert detect pin (When insert a Headphone,this pin become high.)



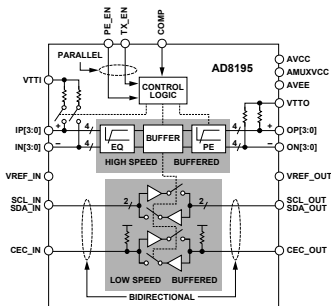
AD8195ACPZ (HDMI : U1022)



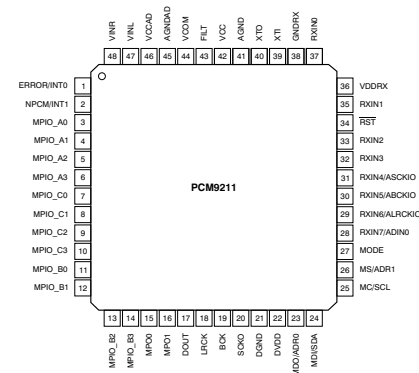
AD8195ACPZ Termini Function

Pin No.	Mnemonic	Type ¹	Description
1	IN0	HS I	High Speed Input Complement.
2	IP0	HS I	High Speed Input.
3	IN1	HS I	High Speed Input Complement.
4	IP1	HS I	High Speed Input.
5	VTTI	Power	Input Termination Supply. Nominally connected to AVCC.
6	IN2	HS I	High Speed Input Complement.
7	IP2	HS I	High Speed Input.
8	IN3	HS I	High Speed Input Complement.
9	IP3	HS I	High Speed Input.
10, 16, 22, 23, 25, 26, 30	AVCC	Power	Positive Analog Supply. 3.3 V nominal.
11	ON0	HS O	High Speed Output Complement.
12	OP0	HS O	High Speed Output.
13	VTT0	Power	Output Termination Supply. Nominally connected to AVCC.
14	ON1	HS O	High Speed Output Complement.
15	OP1	HS O	High Speed Output.
17	ON2	HS O	High Speed Output Complement.
18	OP2	HS O	High Speed Output.
19	ON3	HS O	High Speed Output Complement.
20	OP3	HS O	High Speed Output.
21	COMP	Control	Power-On Compensation Pin. Bypass to ground through a 10 µF capacitor.
24, 27, 37, Exposed Pad	AVEE	Power	Negative Analog Supply. 0 V nominal.
28	TX_EN	Control	High Speed Output Enable Parallel Interface.
29	PE_EN	Control	High Speed Preemphasis Enable Parallel Interface.
31	CEC_OUT	LS I/O	CEC Output Side.
32	AMUXVCC	Power	Positive Auxiliary Buffer Supply. 5 V nominal.

AD8195ACPZ Block diagram



PCM9211 (HDMI : U1040)



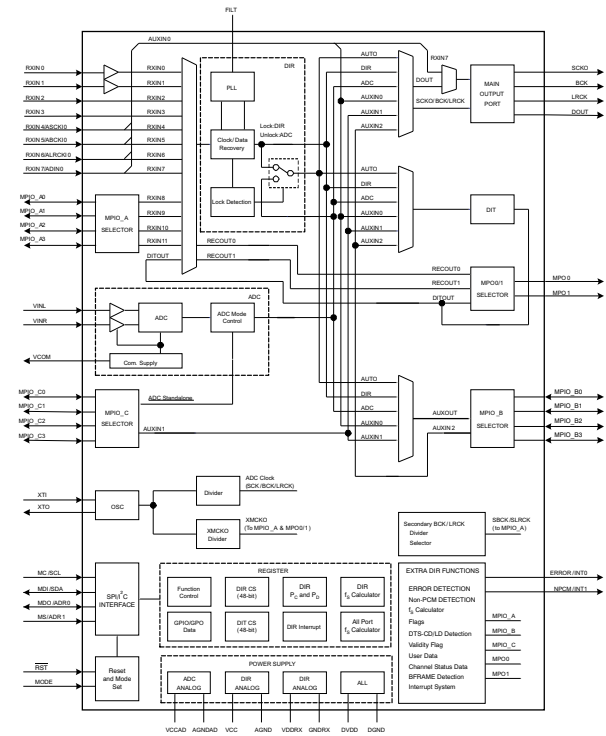
PIN Functions

PIN				DESCRIPTION
NO.	NAME	I/O	5-V TOLERANT	
1	ERROR/INT0	O	No	DIR Error detection output / Interrupt0 output
2	NPCM/INT1	O	No	DIR Non-PCM detection output / Interrupt1 output
3	MPIO_A0	I/O	Yes	Multipurpose I/O, Group A(1)
4	MPIO_A1	I/O	Yes	Multipurpose I/O, Group A(1)
5	MPIO_A2	I/O	Yes	Multipurpose I/O, Group A(1)
6	MPIO_A3	I/O	Yes	Multipurpose I/O, Group A(1)
7	MPIO_C0	I/O	Yes	Multipurpose I/O, Group C(1)
8	MPIO_C1	I/O	Yes	Multipurpose I/O, Group C(1)
9	MPIO_C2	I/O	Yes	Multipurpose I/O, Group C(1)
10	MPIO_C3	I/O	Yes	Multipurpose I/O, Group C(1)
11	MPIO_B0	I/O	Yes	Multipurpose I/O, Group B(1)
12	MPIO_B1	I/O	Yes	Multipurpose I/O, Group B(1)
13	MPIO_B2	I/O	Yes	Multipurpose I/O, Group B(1)
14	MPIO_B3	I/O	Yes	Multipurpose I/O, Group B(1)
15	MPO0	O	No	Multipurpose output 0
16	MPO1	O	No	Multipurpose output 1
17	DOUT	O	No	Main output port, serial digital audio data output
18	LRCK	O	No	Main output port, LR clock output
19	BCK	O	No	Main output port, Bit clock output
20	SCKO	O	No	Main output port, System clock output
21	DGND	—	—	Ground, for digital
22	DVDD	—	—	Power supply, 3.3 V (typ.), for digital
23	MDO/ADR0	I/O	Yes	Software control I/F, SPI data output / I2C slave address setting0(2)
24	MDI/SDA	I/O	Yes	Software control I/F, SPI data input / I2C data input/output(2) (3)
25	MC/SCL	I	Yes	Software control I/F, SPI clock input / I2C clock input(2)

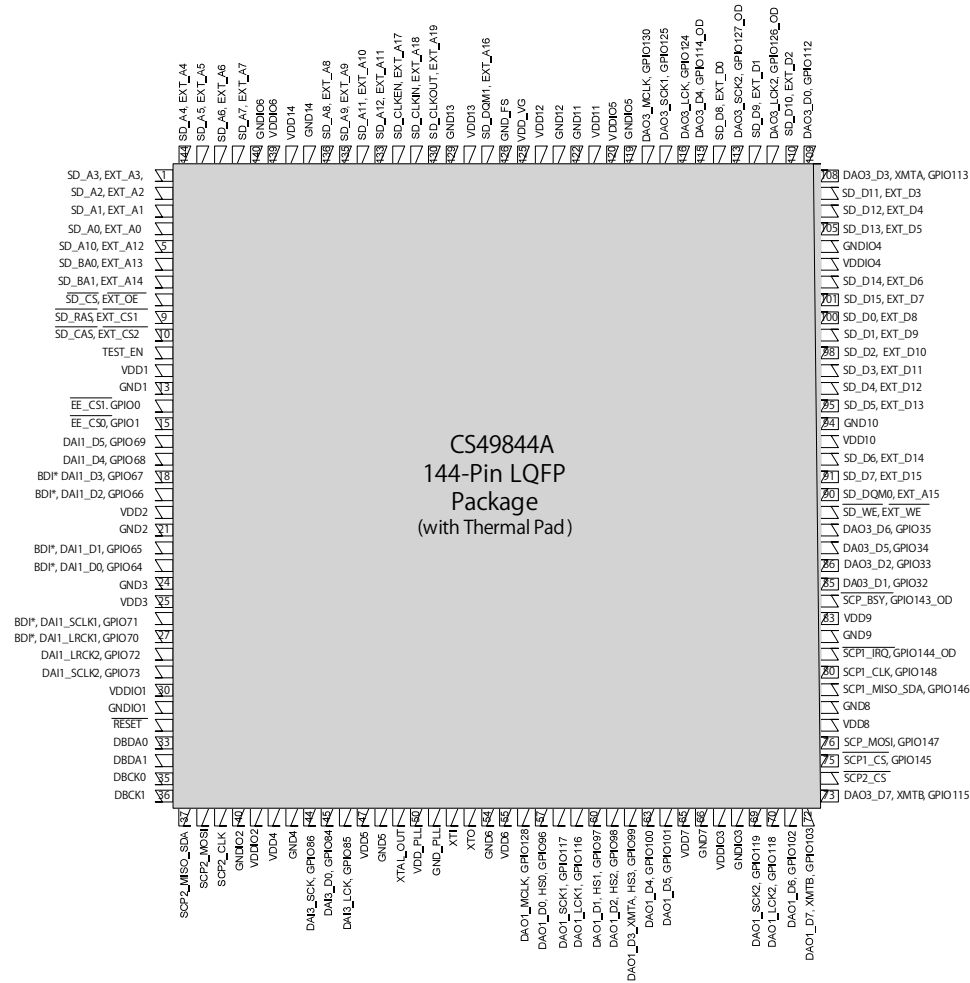
PIN				DESCRIPTION
NO.	NAME	I/O	5-V TOLERANT	
26	MS/ADR1	I	Yes	Software control I/F, SPI chip select / I2C slave address setting ¹⁽²⁾
27	MODE	I	No	Control mode setting. (see the Serial Control Mode section, Control Mode Pin Setting)
28	RXIN7/ADIN0	I	Yes	Biphase signal, input 7 / AUXIN0, serial audio data input ⁽²⁾
29	RXIN6/ALRCKI0	I	Yes	Biphase signal, input 6 / AUXIN0, LR clock input ⁽²⁾
30	RXIN5/ABCKI0	I	Yes	Biphase signal, input 5 / AUXIN0, bit clock input ⁽²⁾
31	RXIN4/ASCKI0	I	Yes	Biphase signal, input 4 / AUXIN0, system clock input ⁽²⁾
32	RXIN3	I	Yes	Biphase signal, input 3 ⁽²⁾
33	RXIN2	I	Yes	Biphase signal, input 2 ⁽²⁾
34	RST	I	Yes	Reset Input, active low ⁽²⁾ (4)
35	RXIN1	I	Yes	Biphase signal, input 1, built-in coaxial amplifier
36	VDDR _X	—	—	Power supply, 3.3 V (typ.), for RXIN0 and RXIN1.
37	RXIN0	I	Yes	Biphase signal, input 0, built-in coaxial amplifier
38	GNDR _X	—	—	Ground, for RXIN
39	XTI	I	No	Oscillation circuit input for crystal resonator or external XTI clock source input ⁽⁵⁾
40	XTO	O	No	Oscillation circuit output for crystal resonator
41	AGND	—	—	Ground, for PLL analog
42	VCC	—	—	Power supply, 3.3 V (typ.), for PLL analog
43	FILT	O	No	External PLL loop filter connection terminal; must connect recommended filter
44	VCOM	O	No	ADC common voltage output; must connect external decoupling capacitor
45	AGNDAD	—	—	Ground, for ADC analog
46	VCCAD	—	—	Power supply, 5.0 V (typ.), for ADC analog
47	VINL	I	No	ADC analog voltage input, left channel
48	VINR	I	No	ADC analog voltage input, right channel

- (1) Schmitt trigger input
- (2) Schmitt trigger input
- (3) Open-drain configuration in I2C mode
- (4) Onboard pull-down resistor (50 k Ω , typical)
- (5) CMOS Schmitt trigger input

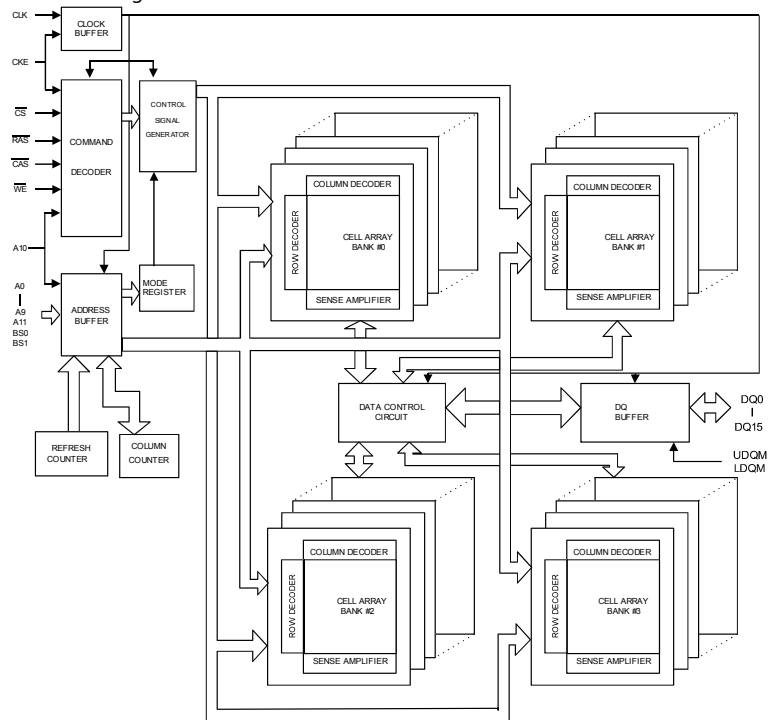
PCM9211 BLOCK DIAGRAM



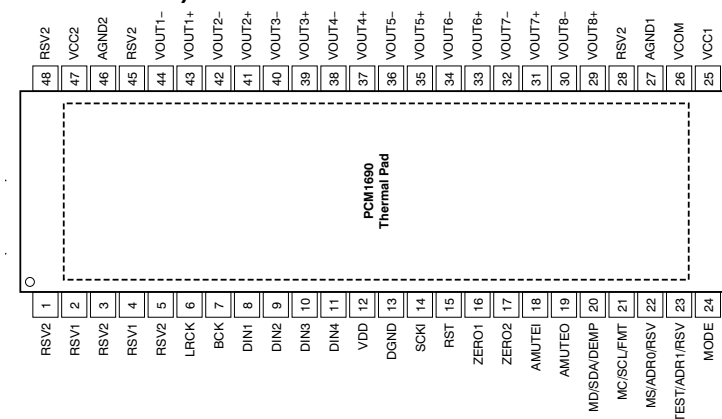
CS49844A (HDMI : U1073)



W9864G6KH-5 Block diagram



PCM1690 (HDMI : U1048)



PCM1690 Pin Function

TERMINAL NAME	PIN	I/O	PULL-DOWN	5-V TOLERANT	DESCRIPTION
RSV2	1	—	—	—	Reserved, tied to analog ground
RSV1	2	—	—	—	Reserved, left open
RSV2	3	—	—	—	Reserved, tied to analog ground
RSV1	4	—	—	—	Reserved, left open
RSV2	5	—	—	—	Reserved, tied to analog ground
LRCK	6	I	Yes	No	Audio data word clock input
BCK	7	I	Yes	No	Audio data bit clock input
DIN1	8	I	No	No	Audio data input for DAC1 and DAC2
DIN2	9	I	No	No	Audio data input for DAC3 and DAC4
DIN3	10	I	No	No	Audio data input for DAC5 and DAC6
DIN4	11	I	No	No	Audio data input for DAC7 and DAC8
VDD	12	—	—	—	Digital power supply, +3.3 V
DGND	13	—	—	—	Digital ground
SCKI	14	I	No	Yes	System clock input
RST	15	I	Yes	Yes	Reset and power-down control input with active low
ZERO1	16	O	No	No	Zero detect flag output 1
ZERO2	17	O	No	No	Zero detect flag output 2
AMUTEI	18	I	No	Yes	Analog mute control input with active low
AMUTEO	19	O	No	Yes	Analog mute status output(1) with active low
MD/SDA/DEMP	20	I/O	No	Yes	Input data for SPI, data for I2C(1), de-emphasis control for hardware control mode
MC/SCL/FMT	21	I	No	Yes	Clock for SPI, clock for I2C, format select for hardware control mode
MS/ADR0/RSV	22	I	Yes	Yes	Chip Select for SPI, address select 0 for I2C, reserve (set low) for hardware control mode
TEST/ADR1/RSV	23	I/O	No	Yes	Test (factory use, left open) for SPI, address select 1 for I2C, reserve (set low) for hardware control mode
MODE	24	I	No	No	Control port mode selection. Tied to VDD: SPI, left open: H/W mode, tied to DGND: I2C

Caution in
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Electrical

Mechanical

Repair Information

Updating

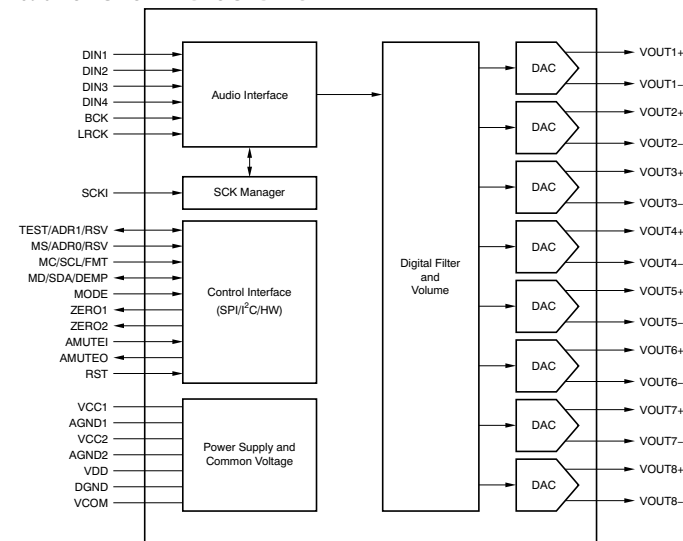


TERMINAL		I/O	PULL-DOWN	5-V TOLERANT	DESCRIPTION
NAME	PIN				
VCC1	25	—	—	—	Analog power supply 1, +5 V
VCOM	26	—	—	—	Voltage common decoupling
AGND1	27	—	—	—	Analog ground 1
RSV2	28	—	—	—	Reserved, tied to analog ground
VOUT8+	29	O	No	No	Positive analog output from DAC8
VOUT8-	30	O	No	No	Negative analog output from DAC8
VOUT7+	31	O	No	No	Positive analog output from DAC7
VOUT7-	32	O	No	No	Negative analog output from DAC7
VOUT6+	33	O	No	No	Positive analog output from DAC6
VOUT6-	34	O	No	No	Negative analog output from DAC6
VOUT5+	35	O	No	No	Positive analog output from DAC5
VOUT5-	36	O	No	No	Negative analog output from DAC5
VOUT4+	37	O	No	No	Positive analog output from DAC4
VOUT4-	38	O	No	No	Negative analog output from DAC4
VOUT3+	39	O	No	No	Positive analog output from DAC3
VOUT3-	40	O	No	No	Negative analog output from DAC3
VOUT2+	41	O	No	No	Positive analog output from DAC2
VOUT2-	42	O	No	No	Negative analog output from DAC2

TERMINAL		I/O	PULL-DOWN	5-V TOLERANT	DESCRIPTION
NAME	PIN				
VOUT1+	43	O	No	No	Positive analog output from DAC1
VOUT1-	44	O	No	No	Negative analog output from DAC1
RSV2	45	—	—	—	Reserved, tied to analog ground
AGND2	46	—	—	—	Analog ground 2
VCC2	47	—	—	—	Analog power supply 2, +5 V
RSV2	48	—	—	—	Reserved, tied to analog ground

(1) Open-drain configuration in out mode.

PCM1690 FUNCTIONAL BLOCK DIAGRAM



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PCM5100 (HDMI : U1052)

PCM510X (top view)

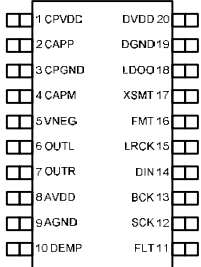


Table 2. TERMINAL FUNCTIONS, PCM510x

TERMINAL		I/O	DESCRIPTION
NAME	NO.		
CPVDD	1	-	Charge pump power supply, 3.3V
CAPP	2	O	Charge pump flying capacitor terminal for positive rail
CPGND	3	-	Charge pump ground
CAPM	4	O	Charge pump flying capacitor terminal for negative rail
VNEG	5	O	Negative charge pump rail terminal for decoupling, -3.3V
OUTL	6	O	Analog output from DAC left channel
OUTR	7	O	Analog output from DAC right channel
AVDD	8	-	Analog power supply, 3.3V
AGND	9	-	Analog ground
DEMP	10	I	De-emphasis control for 44.1kHz sampling rate ⁽¹⁾ : Off (Low) / On (High)
FLT	11	I	Filter select : Normal latency (Low) / Low latency (High)
SCK	12	I	System clock input
BCK	13	I	Audio data bit clock input
DIN	14	I	Audio data input
LRCK	15	I	Audio data word clock input
FMT	16	I	Audio format selection : I ² S (Low) / Left justified (High)
XSMT	17	I	Soft mute control : Soft mute (Low) / soft un-mute (High)
LDOO	18	-	Internal logic supply rail terminal for decoupling
DGND	19	-	Digital ground
DVDD	20	-	Digital power supply, 3.3V

PCM5100 Block Diagram

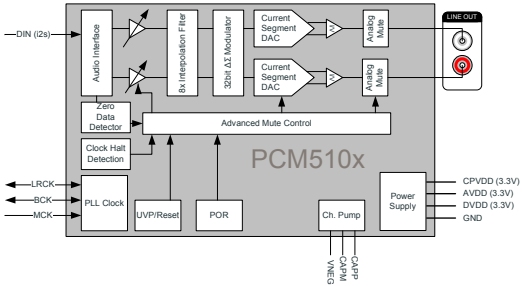
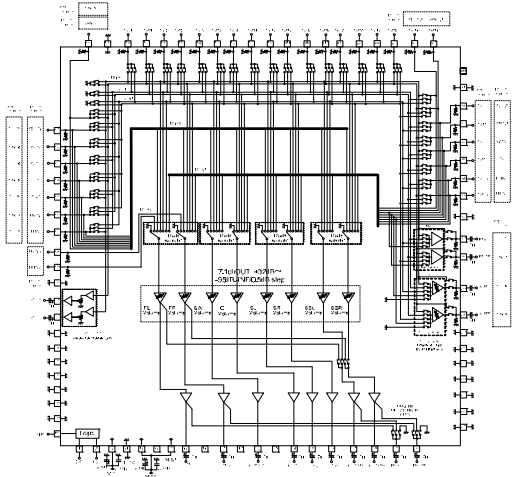


Figure 1. PCM510x Functional Block Diagram

BD34704KS2 (INPUT : IC4200)



PIN No.	SYMBOL	PIN No.	SYMBOL	PIN No.	SYMBOL	PIN No.	SYMBOL
1	DA	21	GND	61	SBLIN	41	INR9(SBRIN2)
2	CL	22	GND	62	SRIN	42	INL9(SBLIN2)
3	VCC	23	GND	63	SLIN	43	INR8
4	DGND	24	GND	64	CIN	44	INL8
5	VEE1	25	GND	65	SWIN	45	INR7
6	N.C.	26	GND	66	FRIN	46	INL7
7	VEE2	27	GND	67	FLIN	47	INR6
8	OUTFL	28	SUBR	68	FRIN3	48	INL6
9	N.C.	29	SUBL	69	FLIN3	49	INR5
10	OUTFR	30	RECR	70	GND	50	INL5
11	N.C.	31	RECL	71	ADCR	51	INR4
12	OUTSW	32	GND	72	ADCL	52	INL4
13	N.C.	33	INR12(FRIN2)	73	GND	53	INR3
14	OUTC	34	INL12(FLIN2)	74	GND	54	INL3
15	OUTSL	35	INR11(CIN2)	75	GND	55	INR2
16	OUTSR	36	INL11(SWIN2)	76	GND	56	INL2
17	OUTSBL	37	INR10(SRIN2)	77	GND	57	INR1
18	OUTSBR	38	INL10(SLIN2)	78	GND	58	INL1
19	OUTPL	39	GND	79	GND	59	GND
20	OUTPR	40	N.C.	80	CHIP	60	SBRIN

Caution in
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Electrical

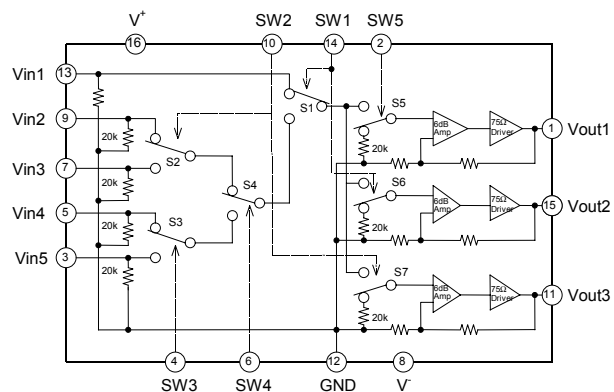
Mechanical

Repair Information

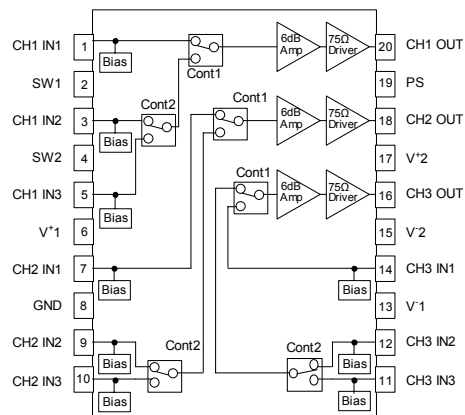
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NJM2595MTE1 (VIDEO : IC5001)



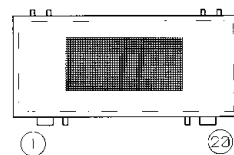
NJM2586AVC3(VIDEO : IC5002)



SSOP20-C3

2. FL DISPLAY

FLD (018BT021GINK) (FRONT : U4400)



PIN CONNECTION

CONNECTION	PIN NO.
F-	1
NP	2
NC	3
NC	4
NC	5
NC	6
NC	7
TEST	8
INT	9
RESET	10
DIO	11
CLK	12
CS	13
OSC	14
NC	15
VH	16
PGND	17
LGND	18
VDD	19
NP	20
F+	21

NOTE

- 1) F-, F+ ---Filament
- 2) NP -----No pin
- 3) DL -----Datum Line
- 4) VDD -----Logic Voltage Supply pin
- 5) LGND -----Logic GND pin
- 6) PGND -----Power GND pin
- 7) VH -----High Voltage Supply pin
- 8) OSC -----Pin for self-oscillation
- 9) CS -----Chip Select Input pin
- 10) CLK -----Shift Register Clock
- 11) DA -----Serial Data Input
- 12) RESET --Reset Input
- 13) INT -----Int pin
- 14) TSA, B --Test pin
- 15) Solder composition is Sn-3Ag-0.5Cu.
- 16) NC -----No connection
(NC pin should be electrically open on the PC board)



PATTERN DETAIL

T1	T2	T3				T15	T16	T17
1-1	2-1	3-1	4-1	5-1	6-1	7-1	8-1	48-1
1-2	2-2	3-2	4-2	5-2	6-2	7-2	8-2	48-2
1-3	2-3	3-3	4-3	5-3	6-3	7-3	8-3	48-3
1-4	2-4	3-4	4-4	5-4	6-4	7-4	8-4	48-4
1-5	2-5	3-5	4-5	5-5	6-5	7-5	8-5	48-5
1-6	2-6	3-6	4-6	5-6	6-6	7-6	8-6	48-6
1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	48-7
1-8	2-8	3-8	4-8	5-8	6-8	7-8	8-8	48-8
1-9	2-9	3-9	4-9	5-9	6-9	7-9	8-9	48-9
1-10	2-10	3-10	4-10	5-10	6-10	7-10	8-10	48-10
1-11	2-11	3-11	4-11	5-11	6-11	7-11	8-11	48-11
1-12	2-12	3-12	4-12	5-12	6-12	7-12	8-12	48-12
1-13	2-13	3-13	4-13	5-13	6-13	7-13	8-13	48-13
1-14	2-14	3-14	4-14	5-14	6-14	7-14	8-14	48-14
1-15	2-15	3-15	4-15	5-15	6-15	7-15	8-15	48-15
1-16	2-16	3-16	4-16	5-16	6-16	7-16	8-16	48-16
1-17	2-17	3-17	4-17	5-17	6-17	7-17	8-17	48-17
1-18	2-18	3-18	4-18	5-18	6-18	7-18	8-18	48-18
1-19	2-19	3-19	4-19	5-19	6-19	7-19	8-19	48-19
1-20	2-20	3-20	4-20	5-20	6-20	7-20	8-20	48-20
1-21	2-21	3-21	4-21	5-21	6-21	7-21	8-21	48-21
1-22	2-22	3-22	4-22	5-22	6-22	7-22	8-22	48-22
1-23	2-23	3-23	4-23	5-23	6-23	7-23	8-23	48-23
T1	T2	T3				T15	T16	T17

ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G	14G	15G	16G	17G(AD3)	18G(AD4)
D0	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	S9	-
D1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	3d	-
D2	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	2d	-
D3	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	3e	-
D4	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	2e	-
D5	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	3c	-
D6	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2c	-
D7	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3g	-
D8	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	2g	-
D9	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	3f	-
D10	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	2f	-
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D12	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	2b	-
D13	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	3a	-
D14	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	2a	-
D15	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	Dp	-
D16	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	dB	-
D17	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	1d	-
D18	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	1e	-
D19	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	1c	-
D20	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1g	-
D21	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	1f	-
D22	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	1b	-
D23	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	1a	AUTO
D24	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	S1	HDMI
D25	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	S2	DIGITAL
D26	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	S3	ANALOG
D27	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	S4	S.BACK
D28	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	S5	DI
D29	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	S6	dts
D30	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	S7	AUDYSSEY
D31	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	S8	TUNED
D32	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	MUTE	STEREO
D33	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	PCM	RDS
D34	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	Z2	SLEEP
AD1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DIG.	-
AD2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ANA.	-

Caution in
servicing

Electrical

Mechanical

Repair Information

Updating



DISASSEMBLY

Flowchart

1. COVER

2. FRONT PANEL ASSY

3. RADIATOR ASSY

4. HDMI PCB

5. VIDEO PCB

6. PREOUT PCB

7. MAIN PCB

8. SMPS PCB

9. TRANS

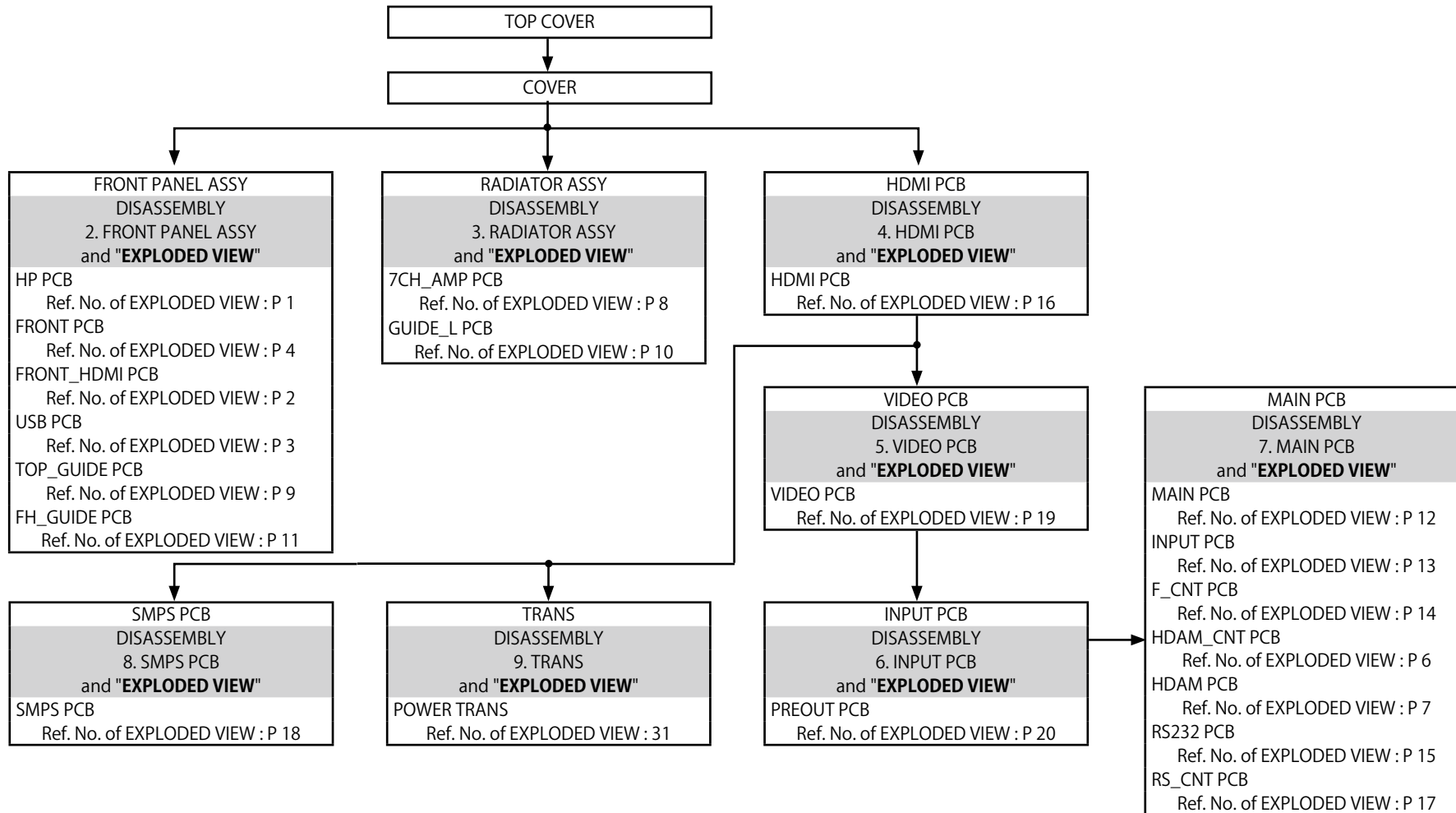
EXPLODED VIEW

PACKING VIEW



Flowchart

- Remove each part following the flow below.
- Reassemble the removed parts in the reverse order.
- Read "[SAFETY PRECAUTIONS](#)" before reassembling the removed parts.
- If wire bundles are removed or moved during adjustment or part replacement, reshape the wires after completing the work. Failure to shape the wires correctly may cause problems such as noise.
- See "[EXPLODED VIEW](#)"

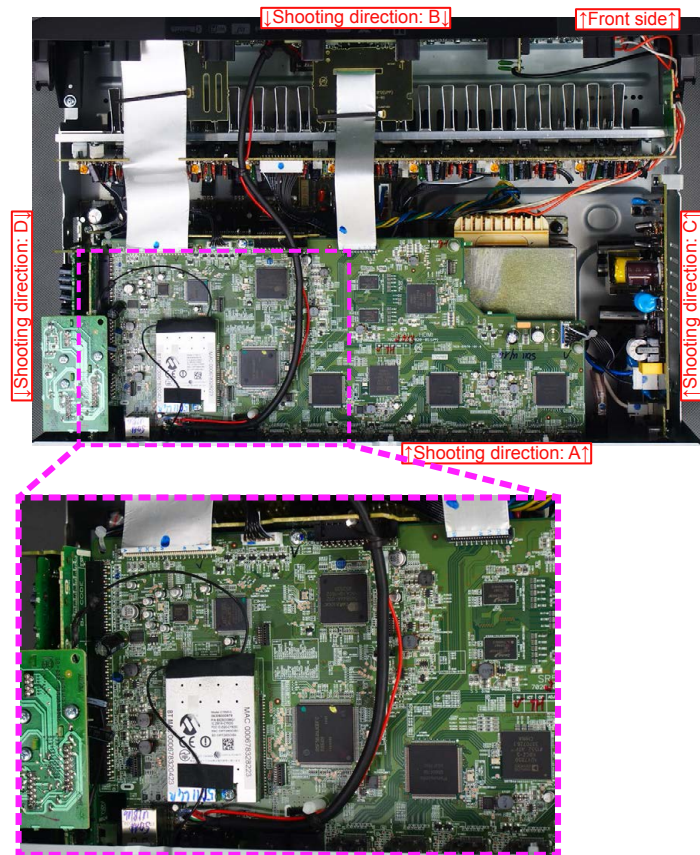


Explanatory Photos for DISASSEMBLY

- For the shooting direction of each photos used in this manual, see the photo below.
- **A, B, C and D** in the photo below indicate the shooting directions of photos.
- The photographs with no shooting direction indicated were taken from the top of the unit.
- Photos of SR5011 U are used in this manual.

The viewpoint of each photograph

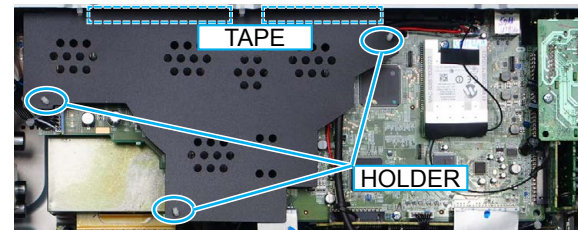
(Shooting direction : X) [View from the top]



1. COVER

Proceeding : **TOP COVER** → **COVER**

- (1) Remove the PCB HOLDER. Remove the TAPE.



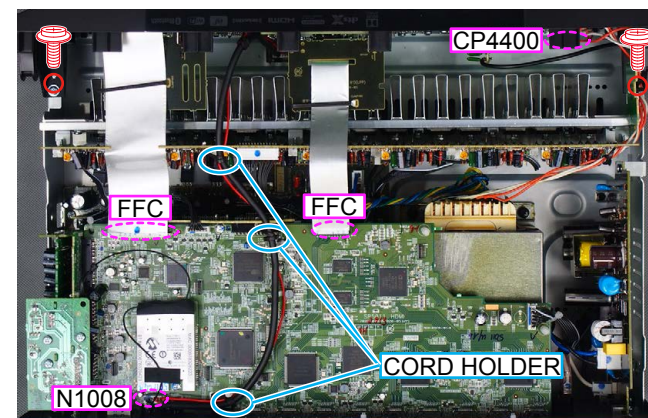
2. FRONT PANEL ASSY

Proceeding : **TOP COVER** → **COVER** → **FRONT PANEL ASSY**

- (1) Remove the screws.



- (2) Remove the screws. Remove the CORD HOLDER and connectors. Remove the FFC.



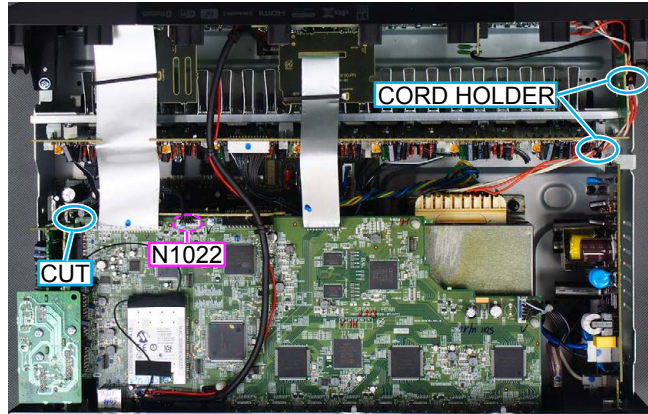
3. RADIATOR ASSY

Proceeding : **TOP COVER** → **COVER** → **FRONT PANEL ASSY** → **RADIATOR ASSY**

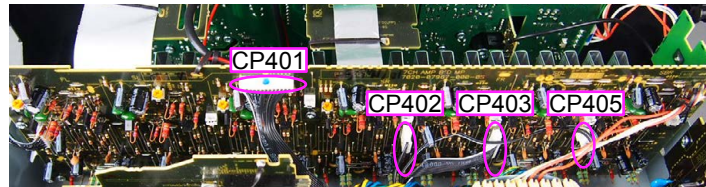
(1) Remove the screws.



(2) Cut the wire clamps, then remove the CORD HOLDERS and connectors.



(3) Remove the connector.



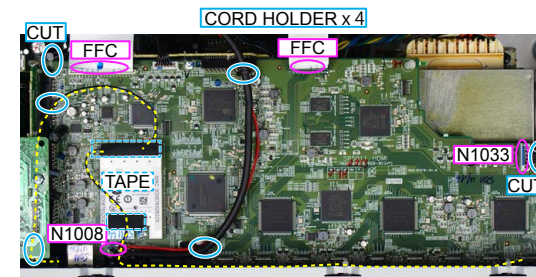
4. HDMI PCB

Proceeding : **TOP COVER** → **COVER** → **HDMI PCB**

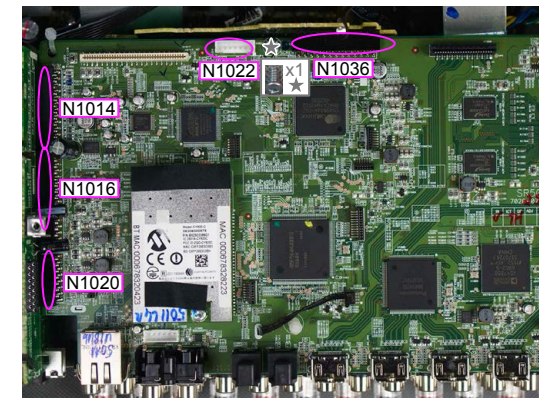
(1) Remove the screws.



(2) Cut the wire clamps, then remove the CORD HOLDERS and connectors. Remove the TAPE. Remove the FFC.



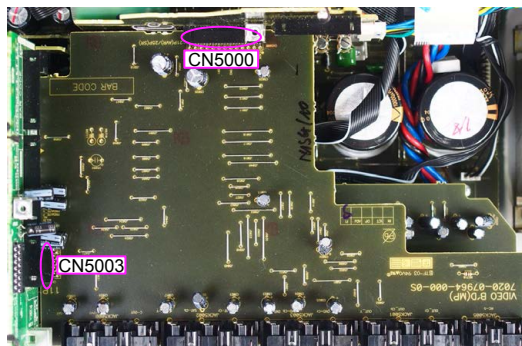
(3) Remove the connector. Remove the screws.



5. VIDEO PCB

Proceeding : **TOP COVER** → **COVER** → **HDMI PCB** → **VIDEO PCB**

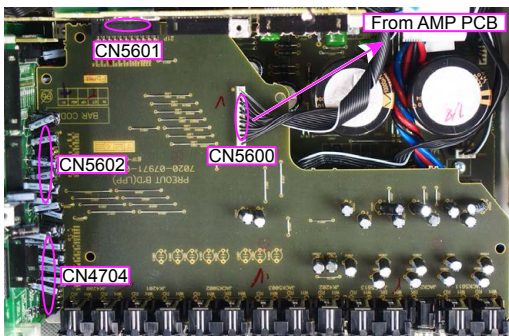
(1) Remove the connector.



6. PREOUT PCB

Proceeding : **TOP COVER** → **COVER** → **HDMI PCB** → **VIDEO PCB** → **PREOUT PCB**

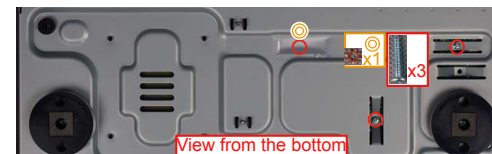
(1) Remove the connector.



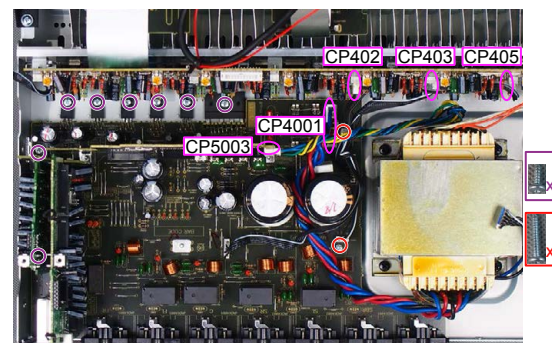
7. MAIN PCB

Proceeding : **TOP COVER** → **COVER** → **HDMI PCB** → **VIDEO PCB** → **PREOUT PCB** → **MAIN PCB**

(1) Remove the screws.



(2) Remove the screws. Remove the connector.



8. SMPS PCB

Proceeding : **TOP COVER** → **SMPS PCB**

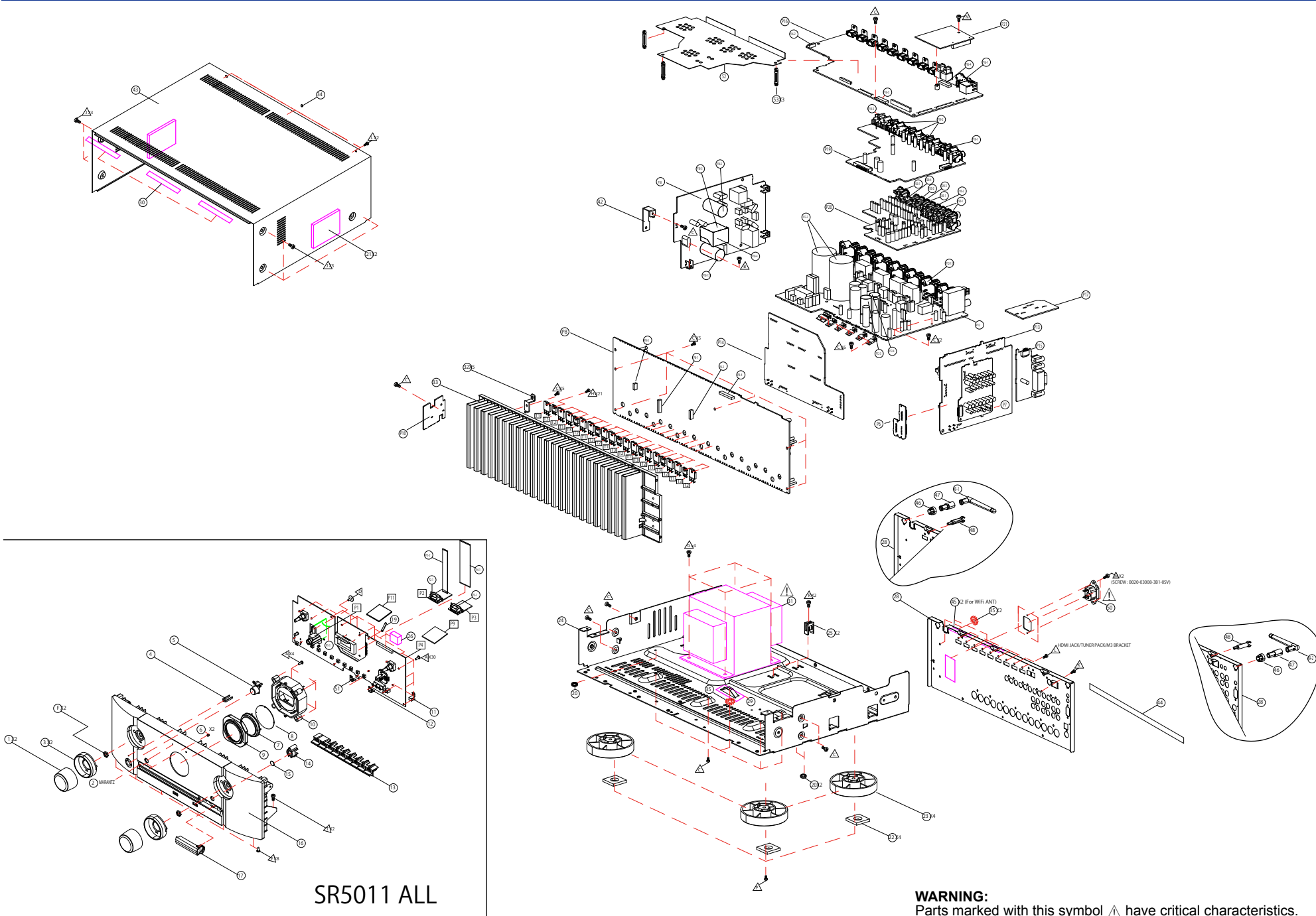
See "EXPLODED VIEW" for instructions on removing the SMPS PCB.

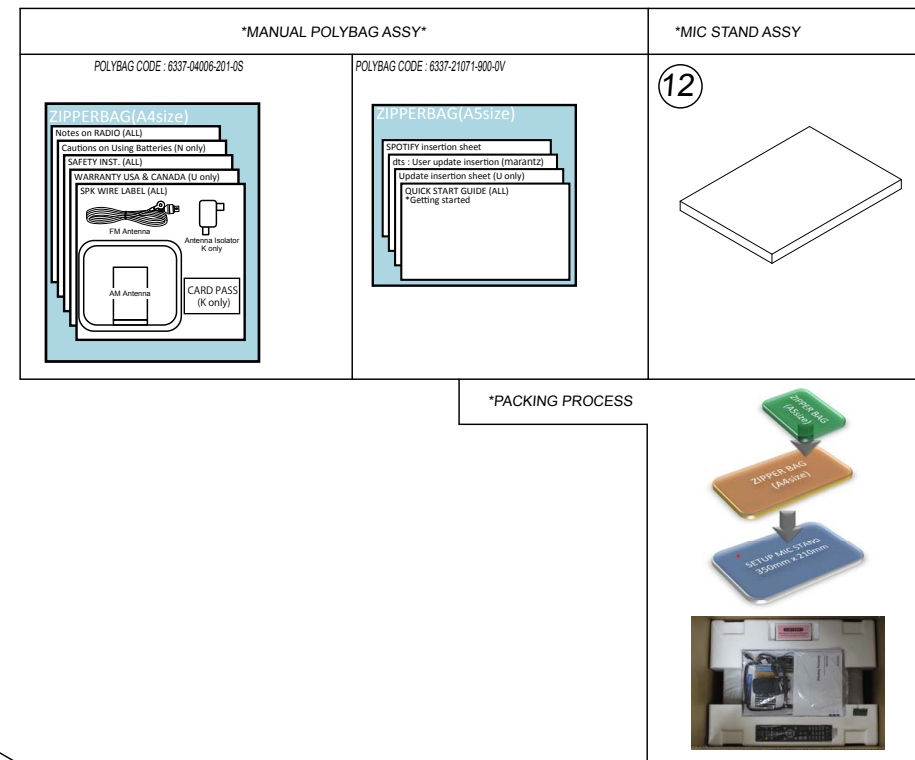
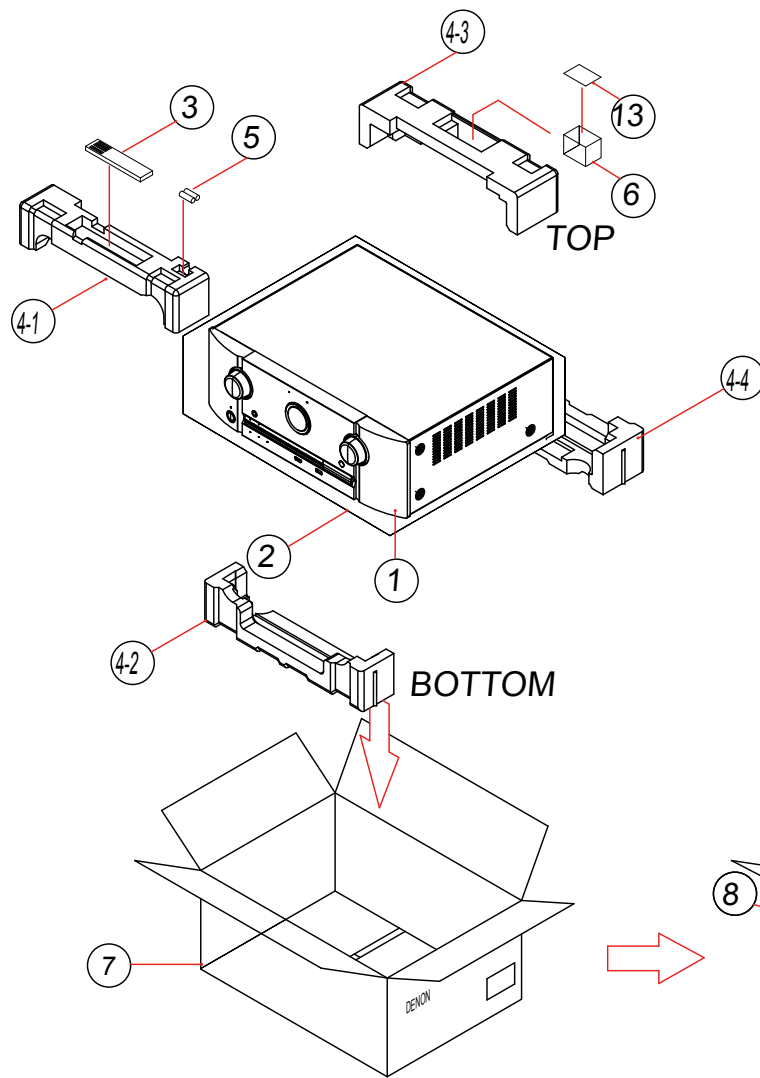
9. TRANS

Proceeding : **TOP COVER** → **COVER** → **HDMI PCB** → **TRANS**

See "EXPLODED VIEW" for instructions on removing the transformer (TRANS).







* POLY BAG PACKING STYLE	SPEAKER TERMINAL BUSHING	* BOX BOTTOM TAPING

* NOTE : This drawing is limited the mechanism, accessory packing specification. Conformed to the limit design specifications. (label, etc.)

TROUBLE SHOOTING

1. POWER
2. Analog video
3. HDMI/DVI
4. AUDIO
5. Network / Bluetooth / USB
6. SMPS

HDMI "Rx/Tx" Failure Detection

1. Prior checking
2. Preparations for checking HDMI Switcher reception/transmission register
3. Starting detecting the point of failure
4. Device implementation location

CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK

SPECIAL MODE

Special mode setting button

1. Version Display Mode
2. PANEL / REMOTE LOCK Selection Mode
- 3-1. Selecting the Mode for Service-related
- 3-2. Protection History Display Mode
- 3-3. 232C Standby Clear Mode
- 3-4. Operation Info Mode
- 3-5. TUNER STEP mode (U / N only)
4. Protection Pass Mode
5. CY920 Reboot Mode
6. CY920 Initialization Mode
7. Clearing the Operation Info

DIAGNOSTIC MODE

Service Path Check Mode
DIAGNOSTIC PATH DIAGRAM

JIG FOR SERVICING

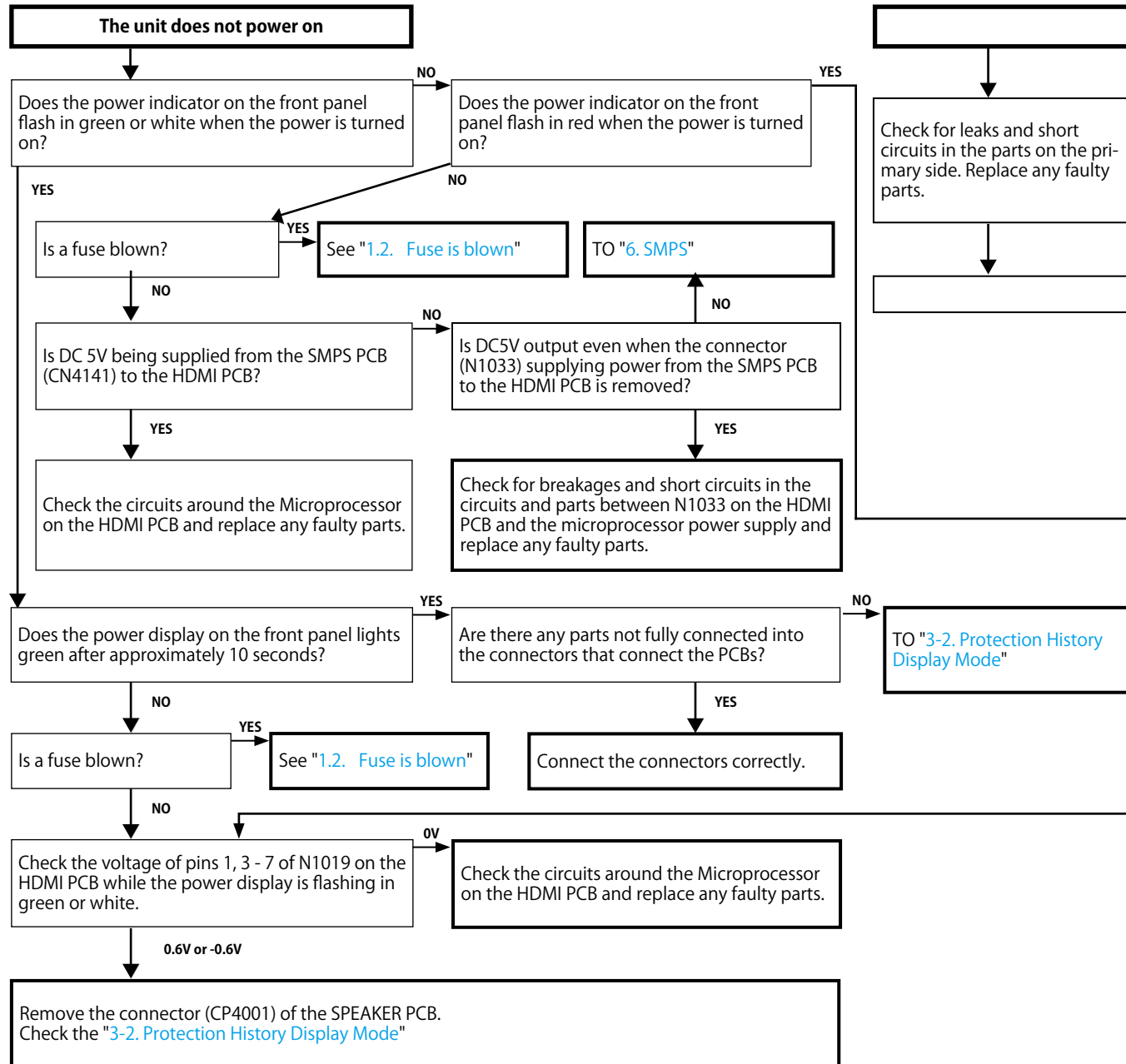
ADJUSTMENT



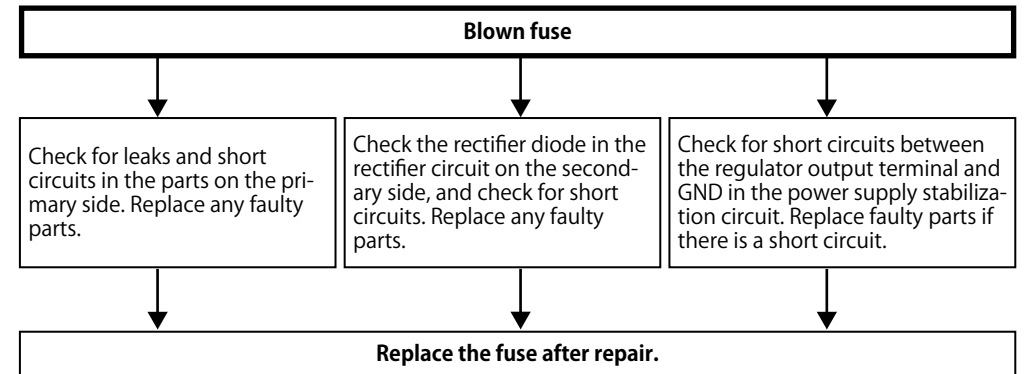
TROUBLE SHOOTING

1. POWER

1.1. The unit does not power on



1.2. Fuse is blown



Caution in
servicing

Electrical

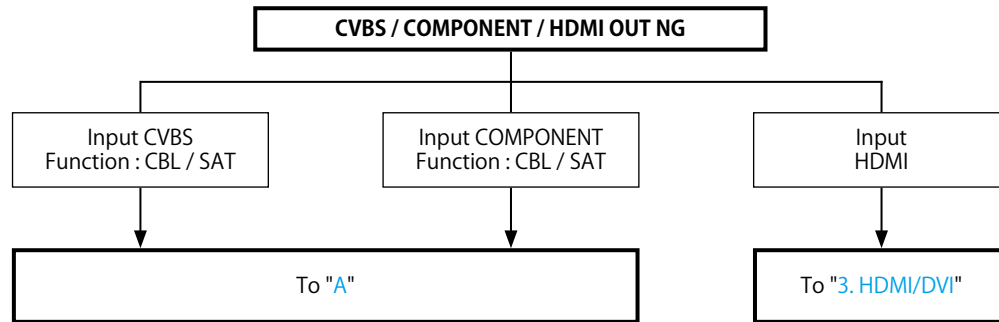
Mechanical

Repair Information

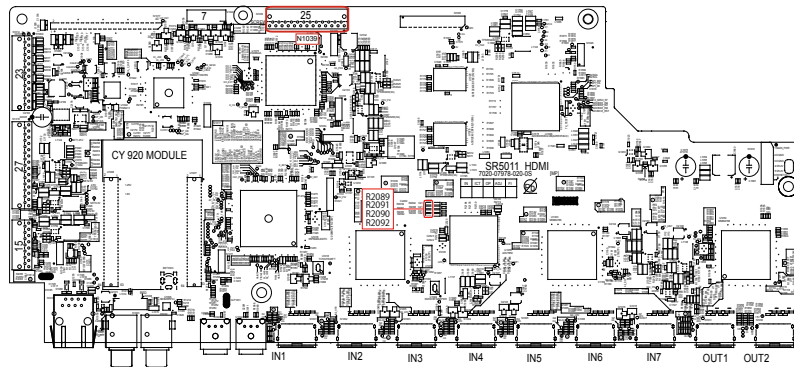
Updating



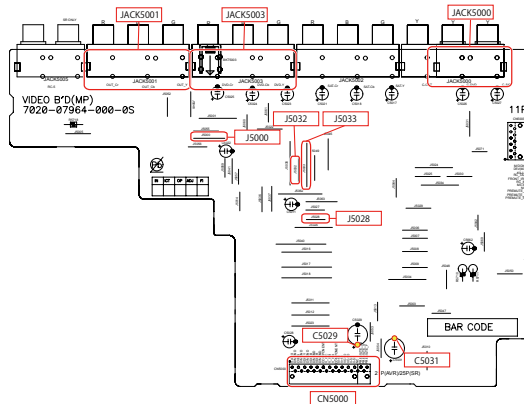
2. Analog video



HDMI test point



VIDEO test point



A

Input
CVBS / COMPONENT

① Check the input signal to the VIDEO DECODER.
Can a signal be confirmed at the following points?

HDMI PCB	
V	: R2092
COMPONENT-Y	: R2089
COMPONENT-Cb	: R2091
COMPONENT-Cr	: R2090

NO

Check the connection between the boards.

YES

Output COMPONENT NG : Check **C-4**
Output HDMI NG : See "3. HDMI/DVI"

YES

Input CVBS : Check **B**
Input COMPONENT : Check **C**

Caution in
servicing

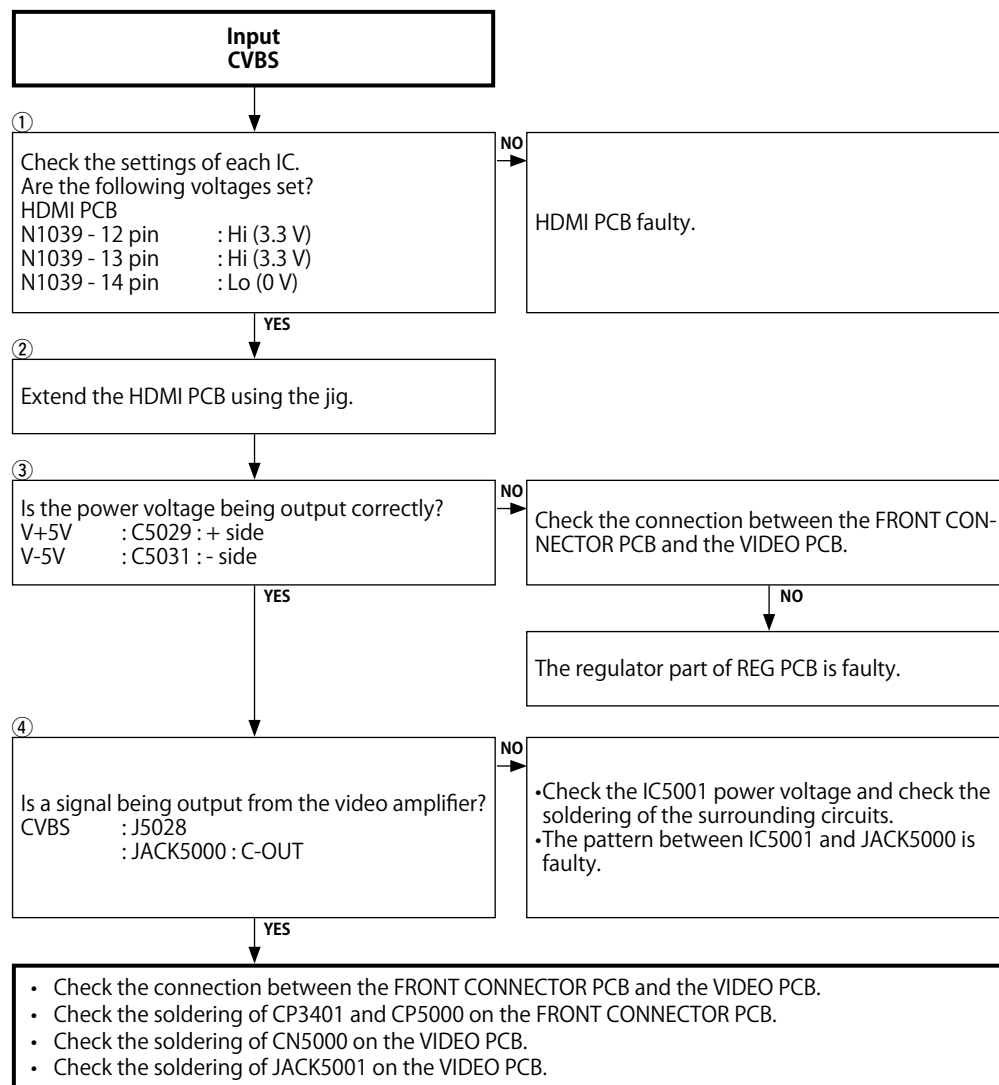
Electrical

Mechanical

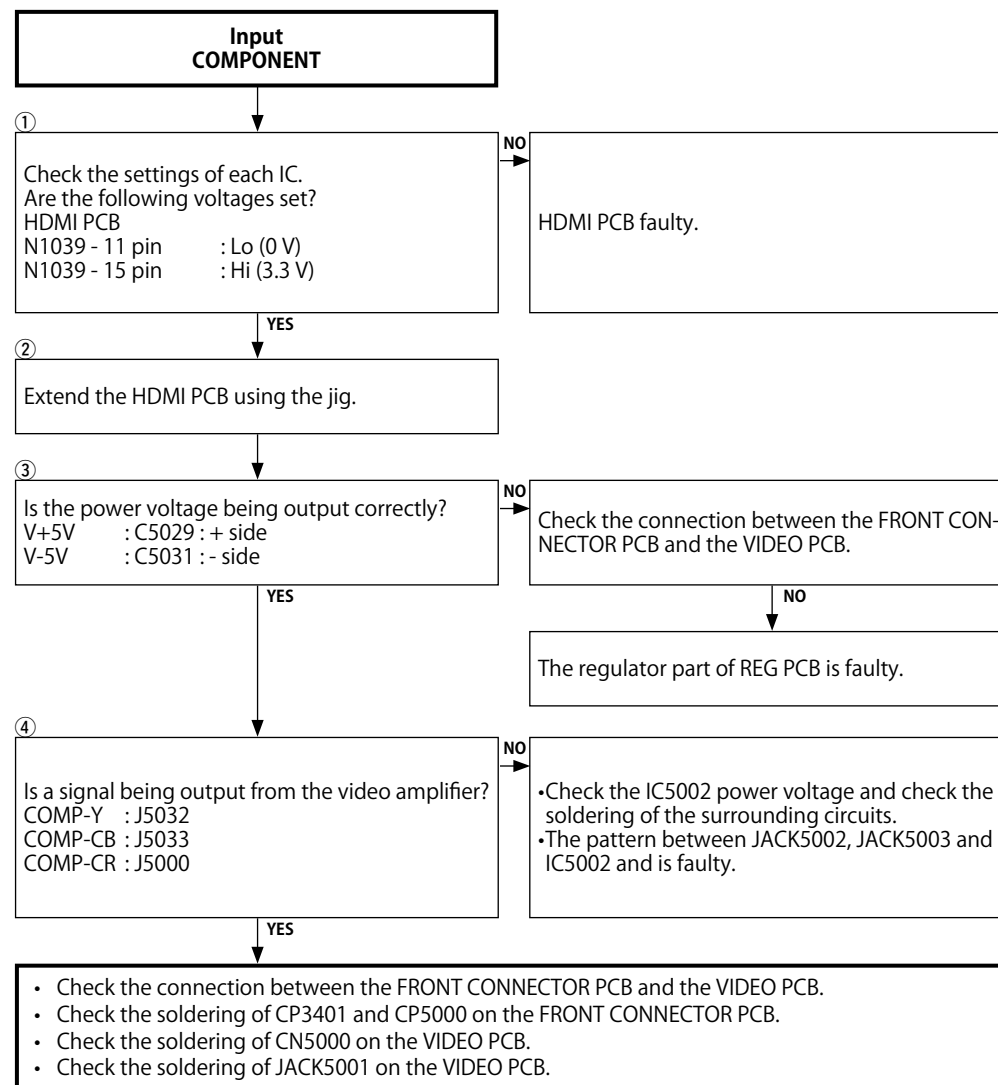
Repair Information

Updating



B

※ These instructions refer to the VIDEO PCB unless otherwise specified.

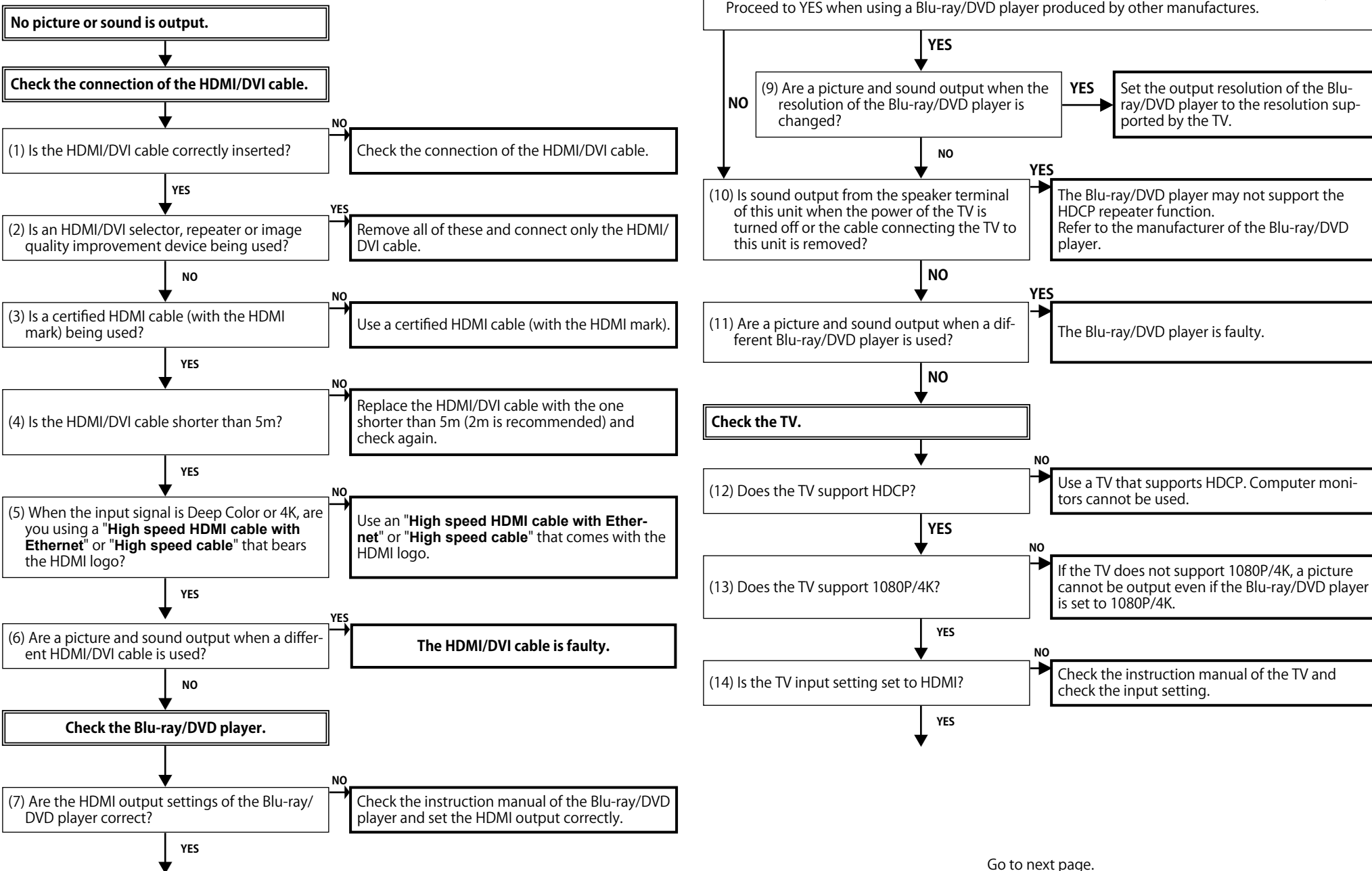
C

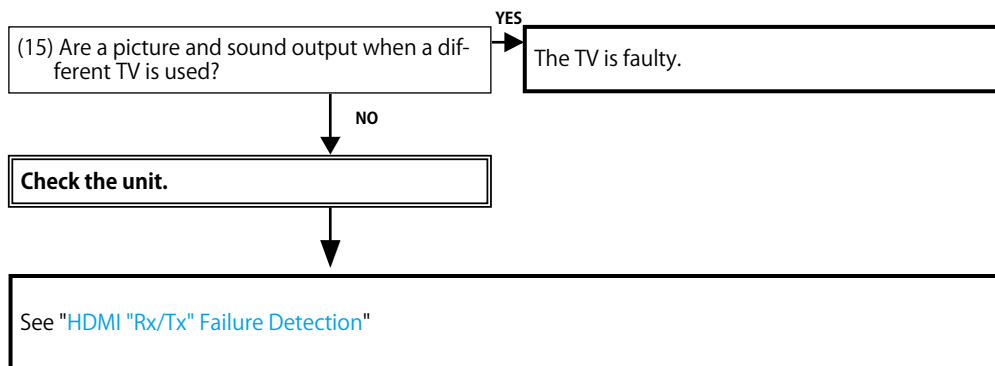
※ These instructions refer to the VIDEO PCB unless otherwise specified.



3. HDMI/DVI

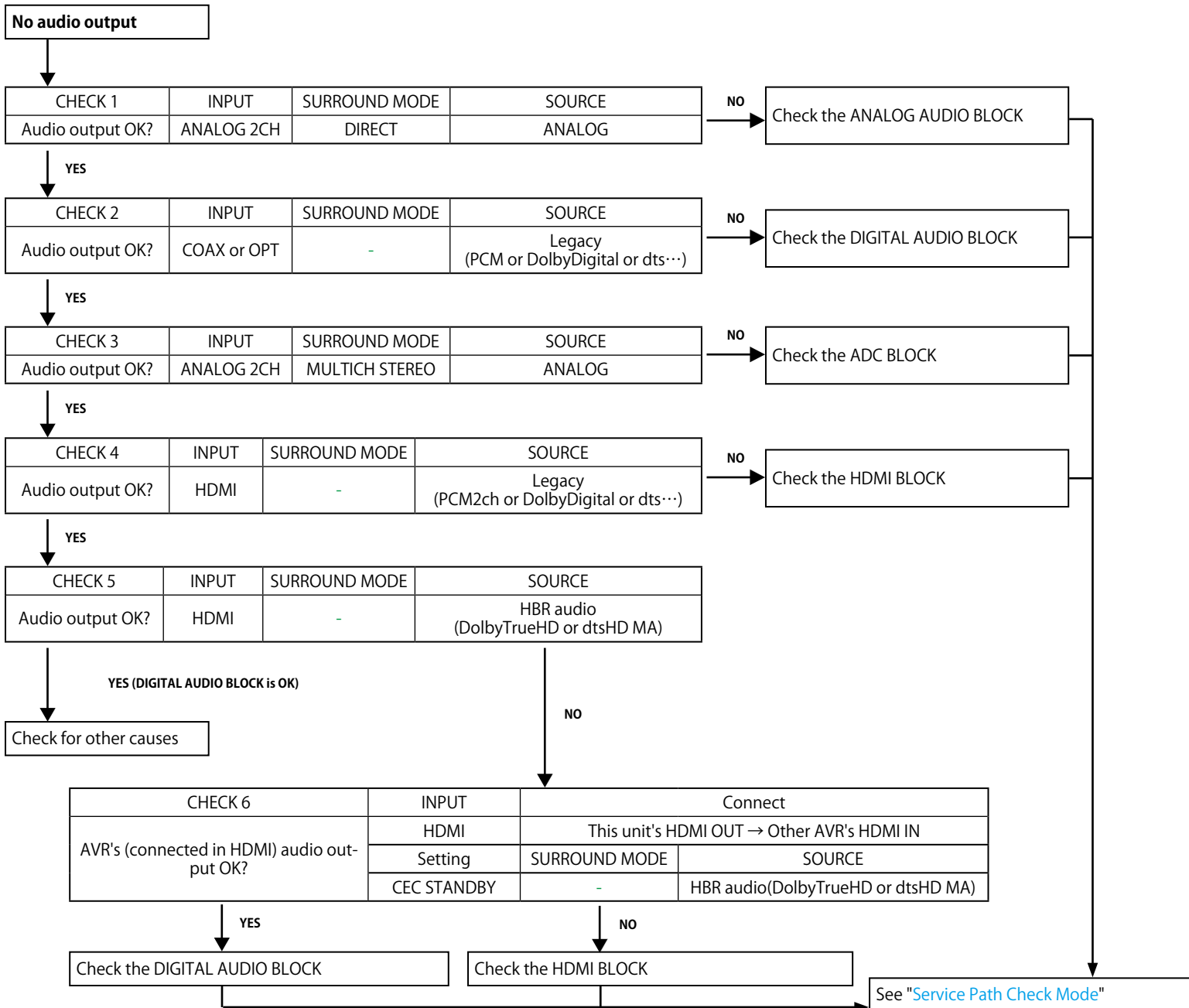
3.1. No picture or sound is output (HDMI to HDMI)



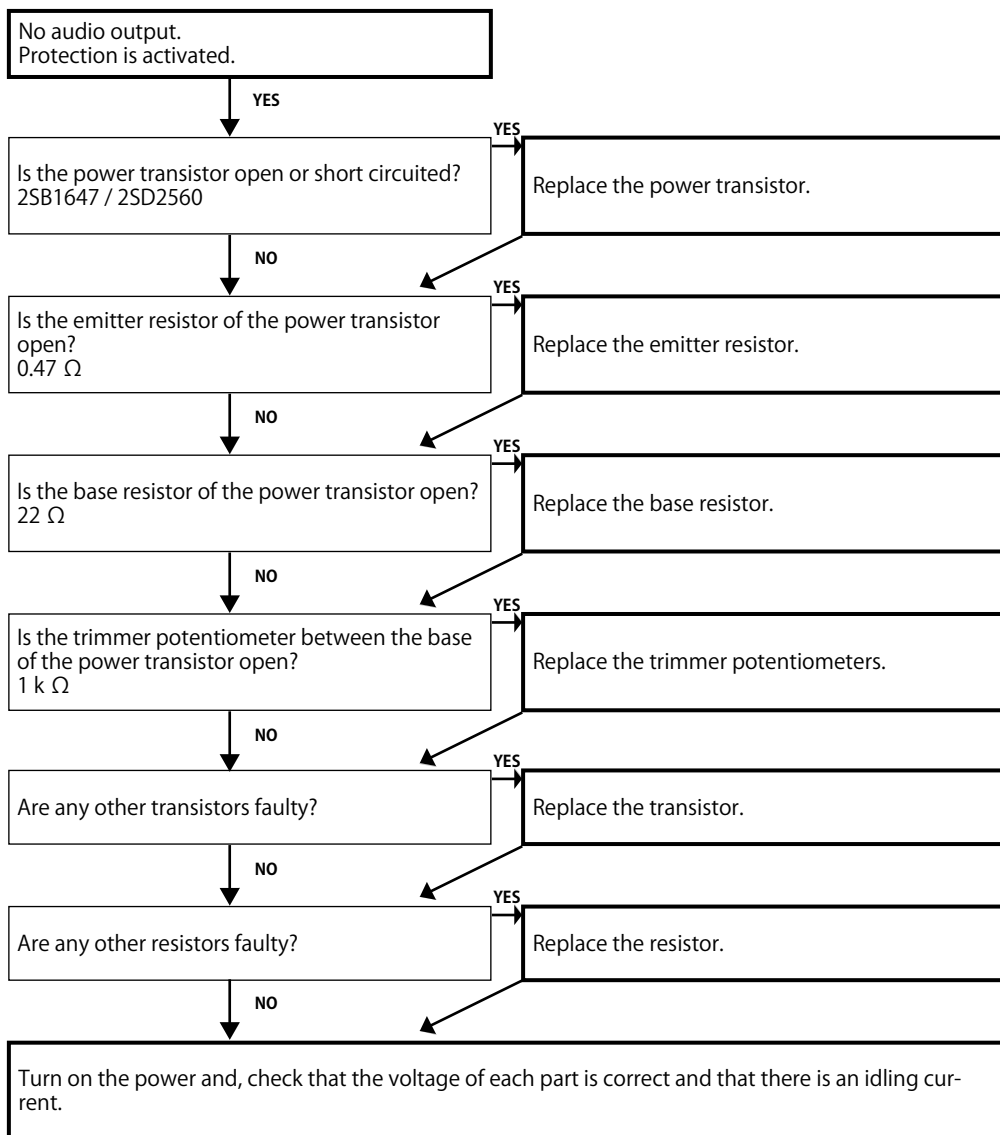


4. AUDIO

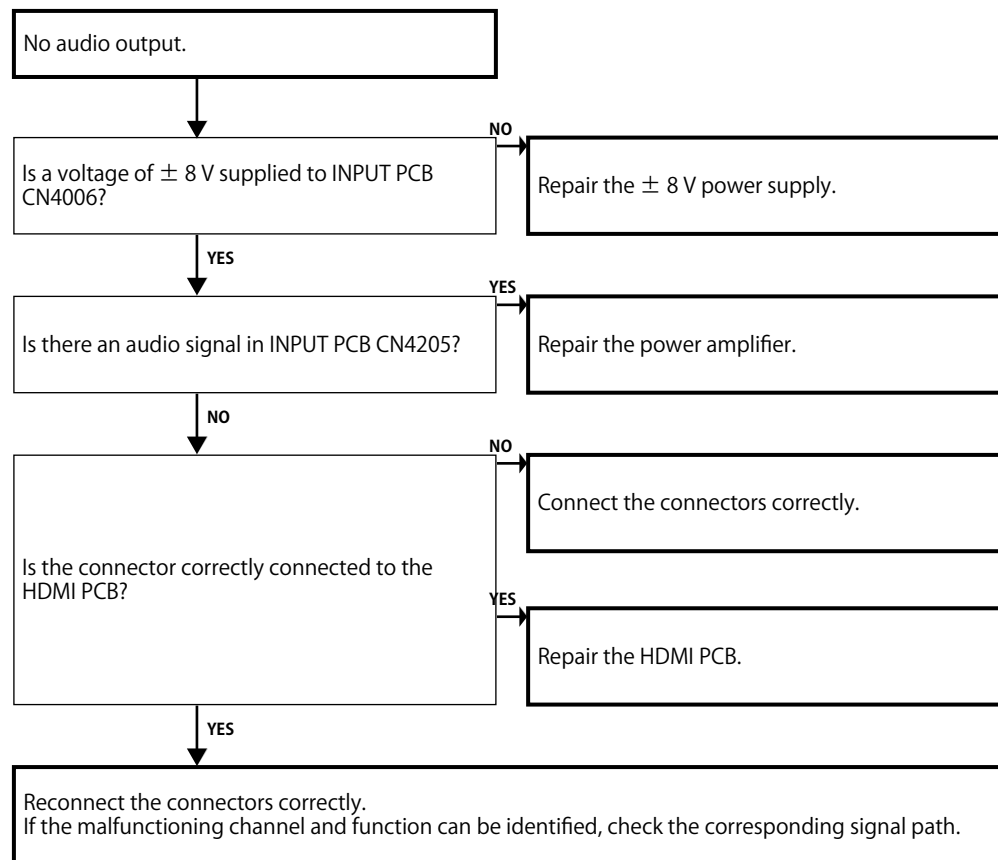
4.1. AUDIO CHECK



4.2. Power AMP (AMP PCB)

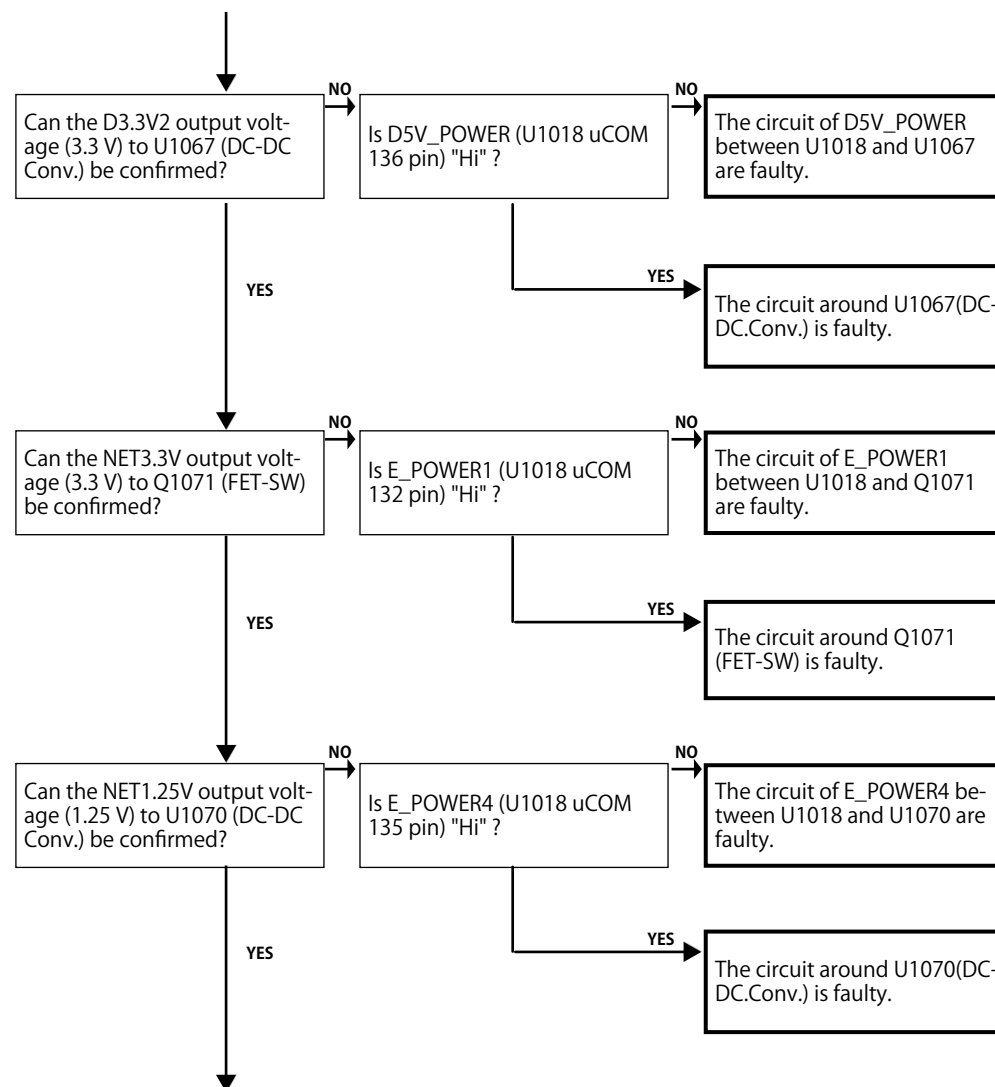
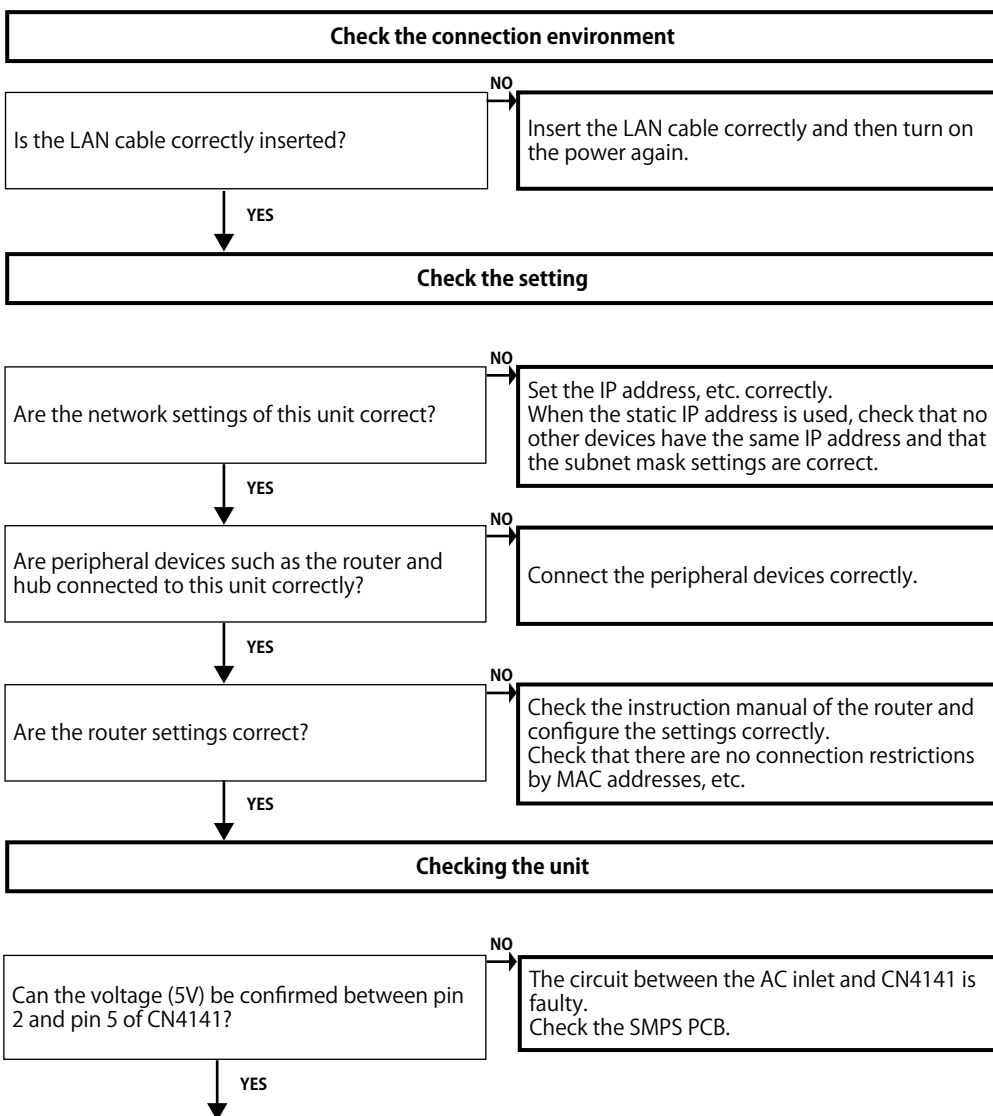


4.3. Analog audio



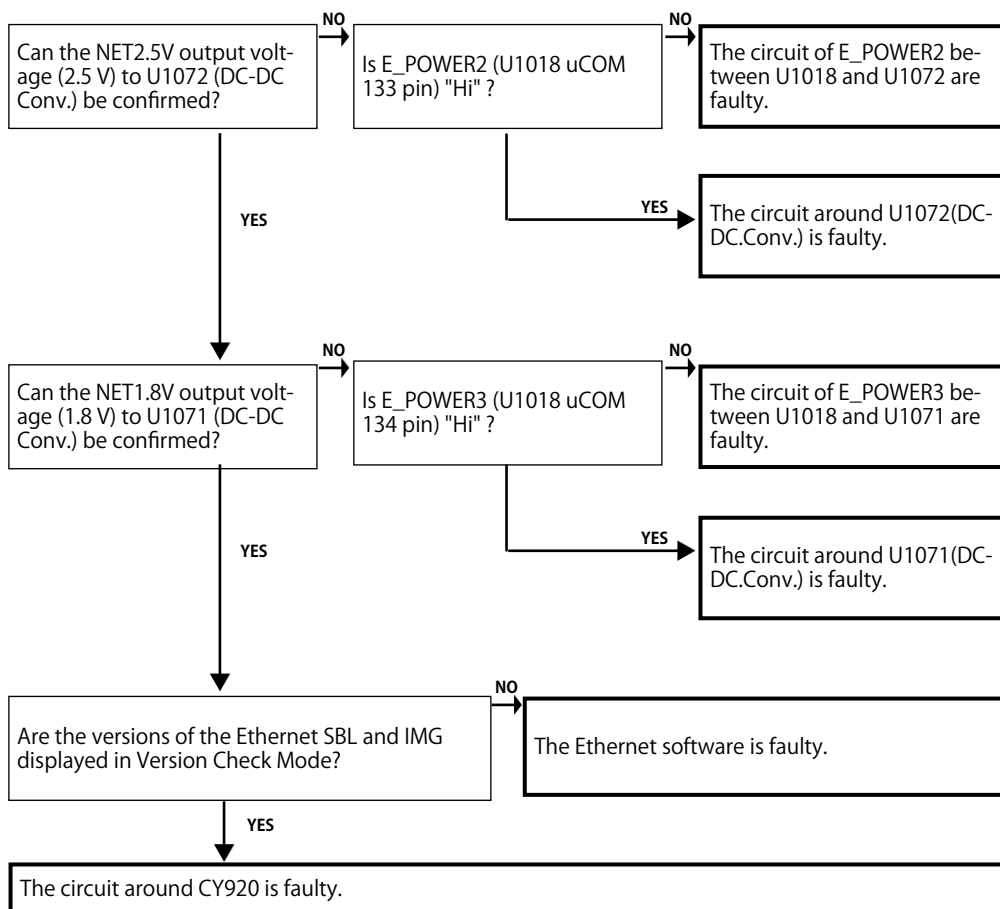
5. Network / Bluetooth / USB

5.1. Cannot connect to the network

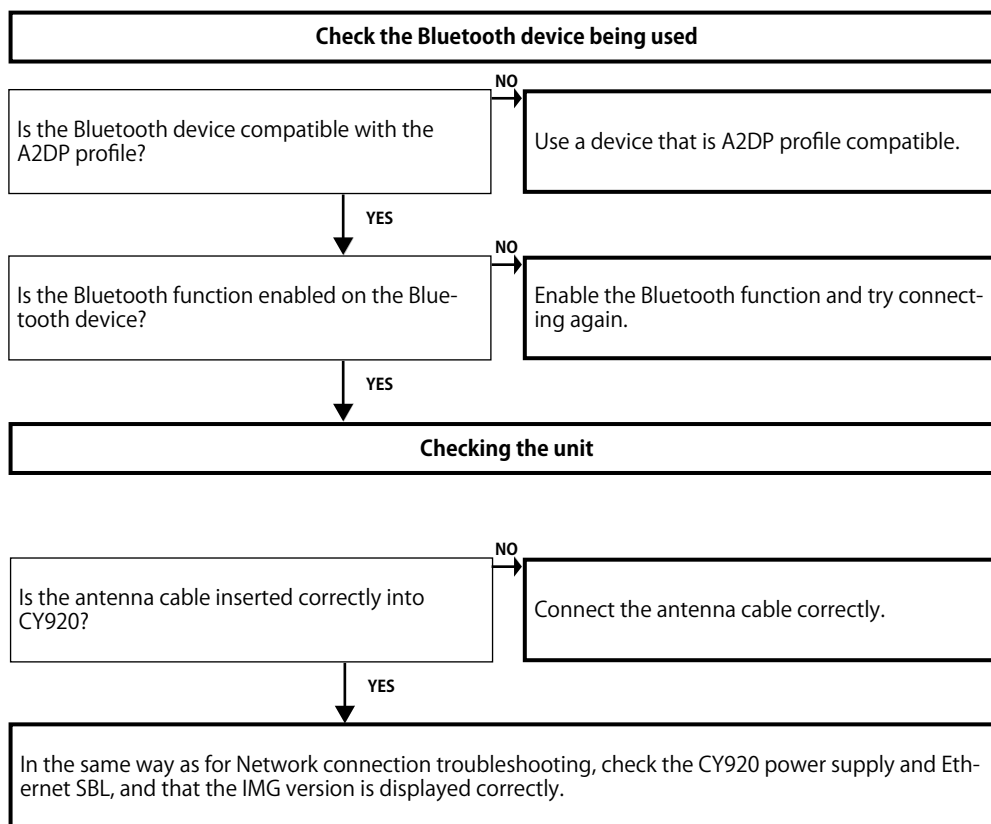


Go to next page.

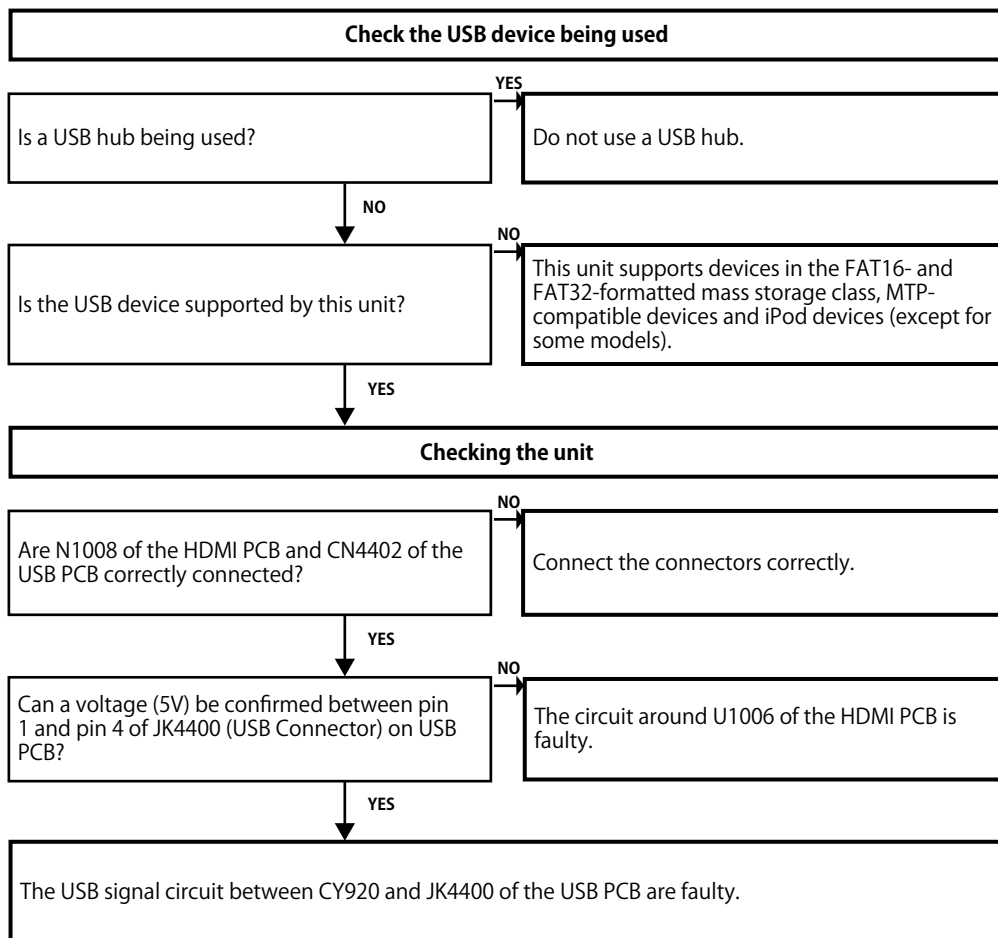




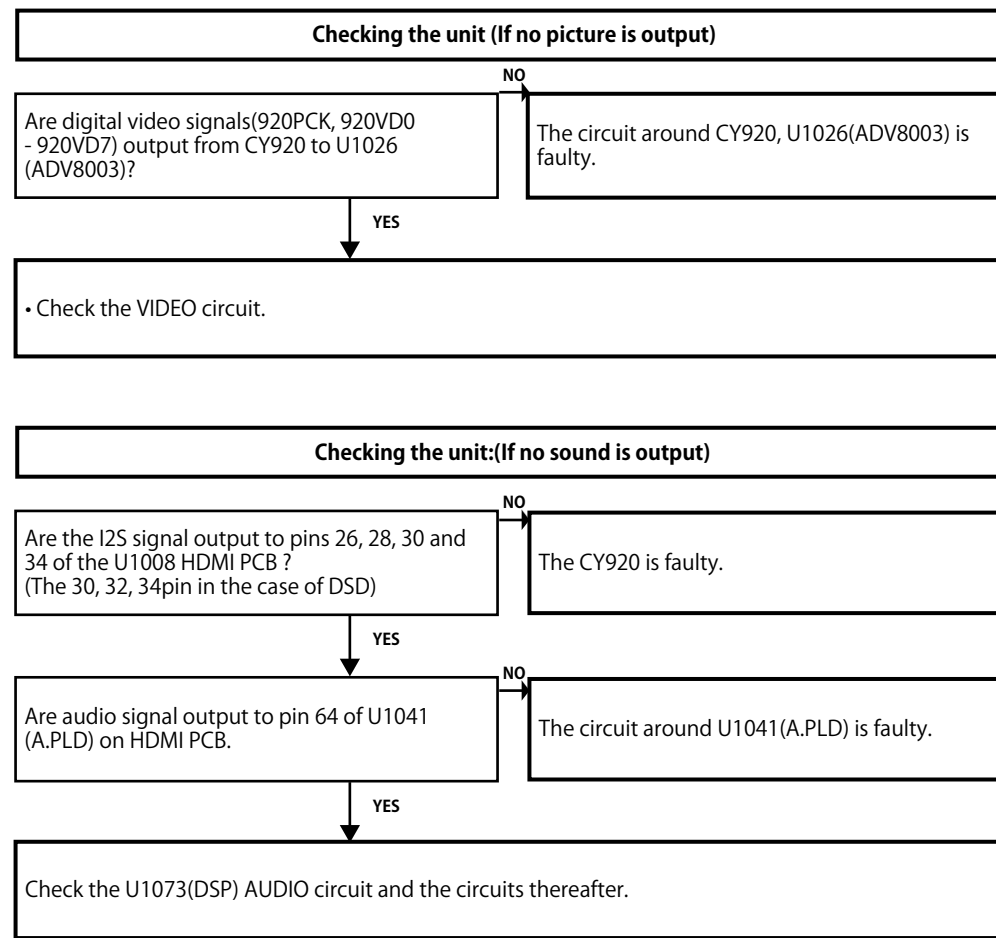
5.2. Cannot establish a Bluetooth connection



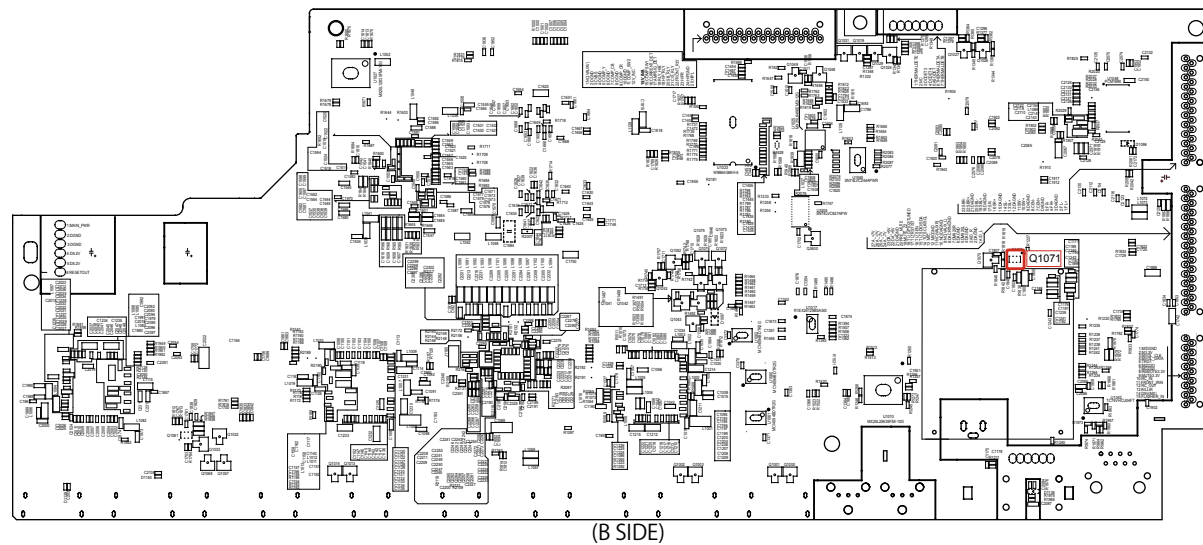
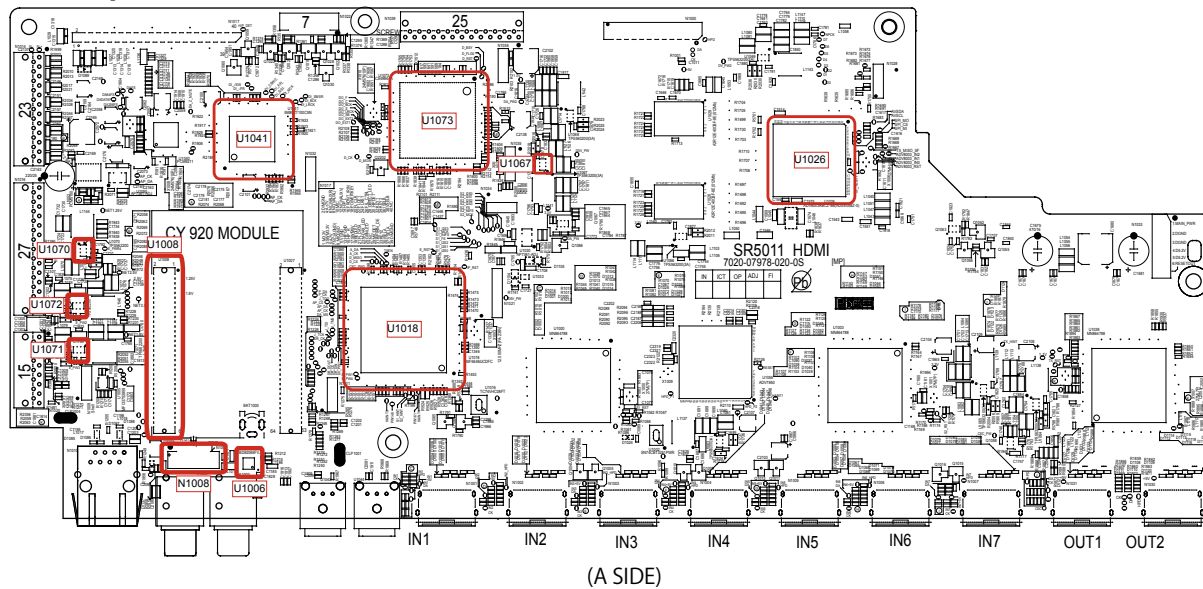
5.3. Cannot recognize the connected USB device



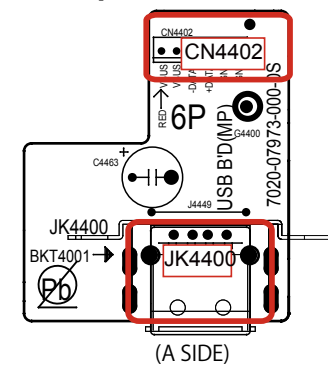
5.4. No picture or sound is output



HDMI test point



USB test point



Caution in
servicing

Electrical

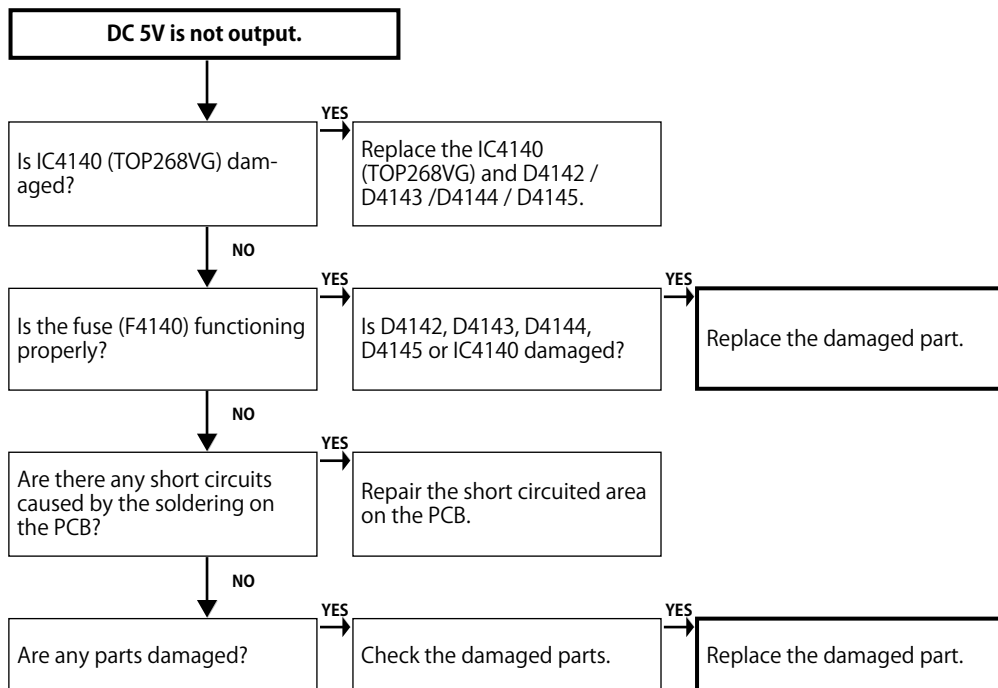
Mechanical

Repair Information

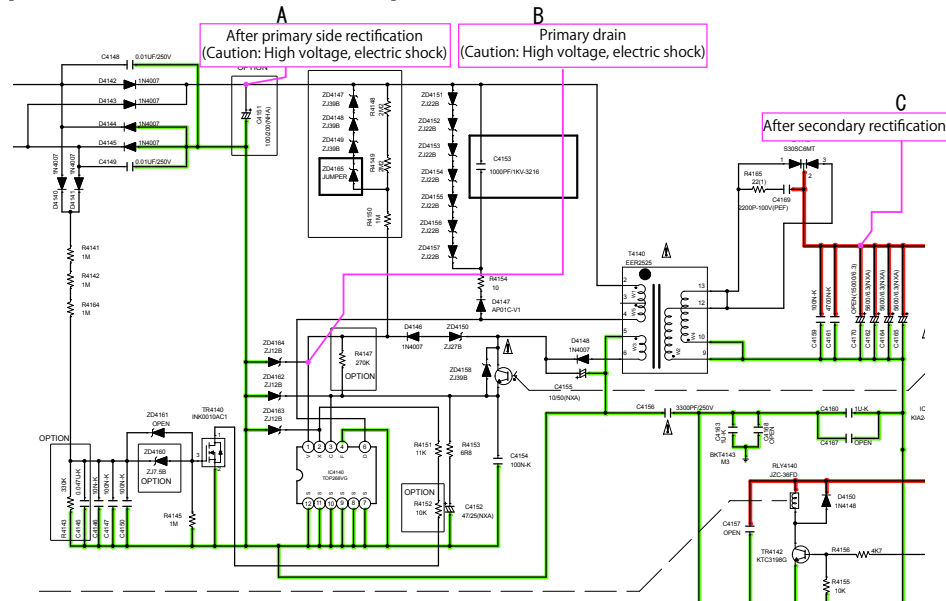
Updating



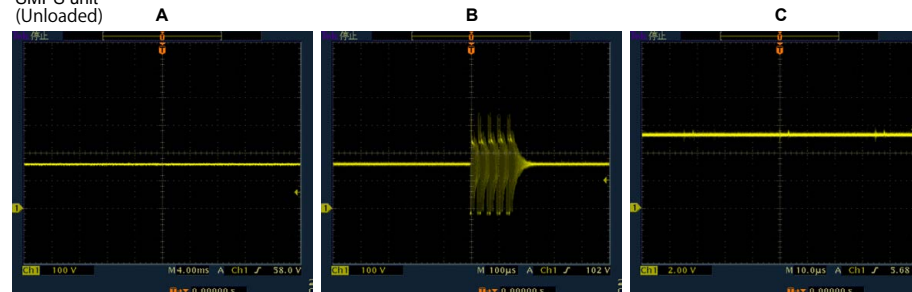
6. SMPS



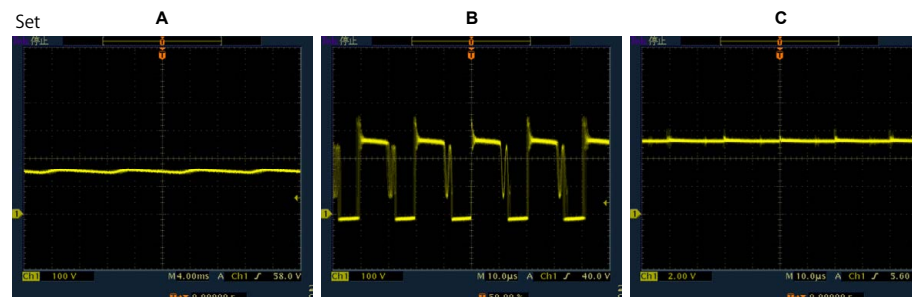
Operation waveform for each part



SMPS unit (Unloaded)



Set



Caution in
servicing

Electrical

Mechanical

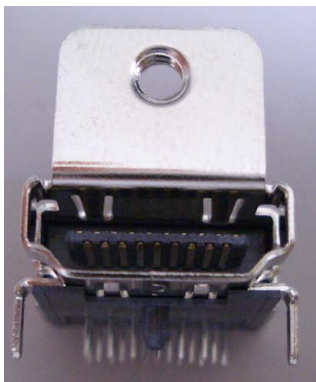
Repair Information

Updating



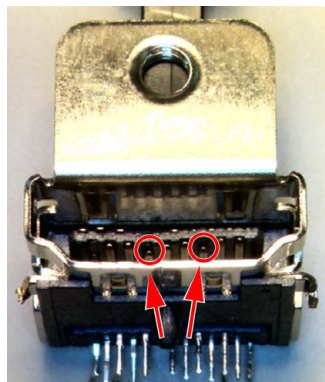
1. Prior checking

Check item (0) : Checking the HDMI connector
Checking the condition of the HDMI pin (rear/front).



OK

Check for deformed pins.



NG

There are deformed pins.

Replace the HDMI connector.

None of the pins are deformed.

3. Check by following the flow chart for starting detection of the points of failure.



2. Preparations for checking HDMI Switcher reception/transmission register

2-1. Necessary devices

- 1) Check the product settings.
- 2-a) Player with an HDMI terminal
- 2-b) TV with an HDMI terminal (* NOTE : Do not use a computer monitor.)
- 3) Windows PC
- 4) Serial communication software "termite.exe"
(Download the software from http://www.compuphase.com/software_termite.htm and install it.)
- 5) HDMI cable
- 6) RS-232C Straight cable
- 7) 8U-2120100S WRITING KIT
- 8) oscilloscope

2-2. Device Connection Method

Connect the TV and the AVR to the player using an HDMI cable and connect the AVR to the PC through an RS-232C cable as shown in Figure 1.

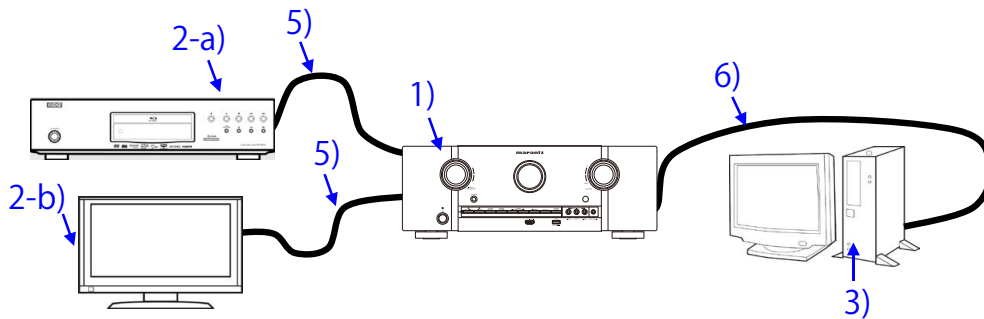


Figure 1 Device Connection Method

2-3. Device configuration method

PC settings : Execute the serial communication program, Termite.exe.

After executing Termite.exe, click [Settings].

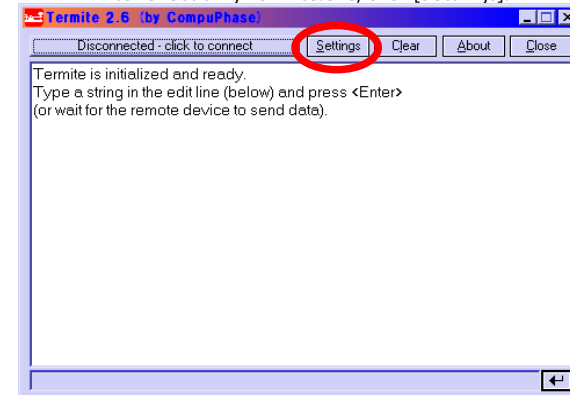


Figure 2 Screen After Executing Termite.exe

The serial port setup screen will be displayed.

Configure the settings as shown in Figure 3 and click the [OK] button.

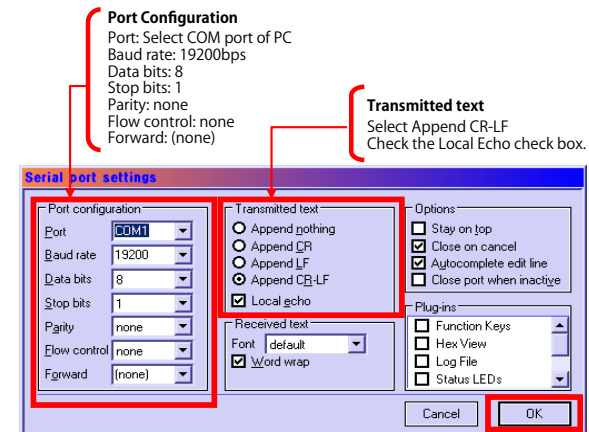


Figure 3 Serial Port Setup Screen

Click the [click to connect] button to start communication.
After a connection is established successfully, the display of the button name will change as shown in Figure 4.

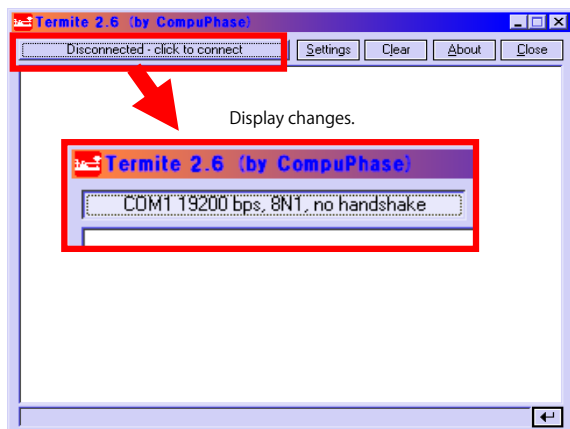


Figure 4 Change of the Display of the Communication Start Button Name

TV settings : Switch to the HDMI input in the AVR connection.

Player settings : Turn the unit power on and configure it to play disks.

2. AVR settings : While the power is on, hold down buttons "DIMMER" and "STATUS" for at least 3 seconds.
(Continue to press and hold the buttons until all segments of the FLD volume illuminate.)

※ When the power is turned on after initialization, "Setup Assistant" will be displayed.
After exiting "Setup Assistant," execute the above.

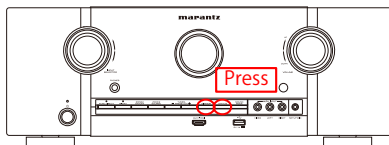


Figure 6-1. AVR settings (SR5011)

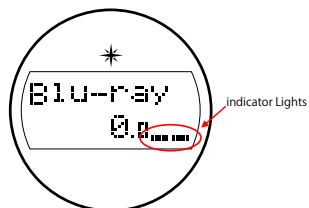


Figure 6 FLD Display When Set

When the settings are correct, the following message will be displayed in the window of Termite.

[00]Start Sub CPU Log Mode

(**** is a version of Sub CPU.)

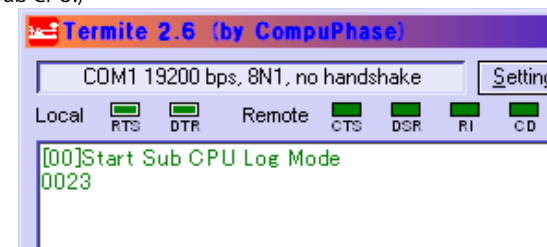


Figure 7 Display of Termite When AVR is Set

The setup is now complete.

Method for sending commands

Enter the command in the transmission command entry section, click the [Send] button and send the command.

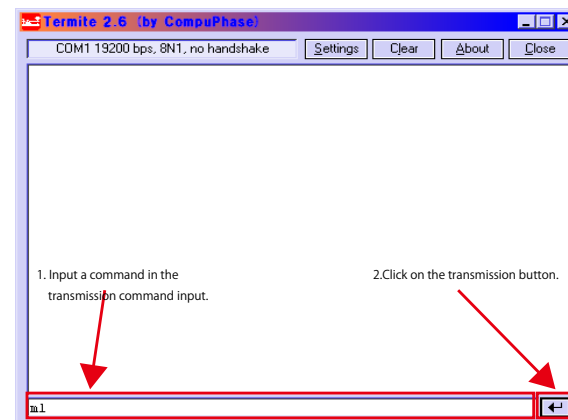
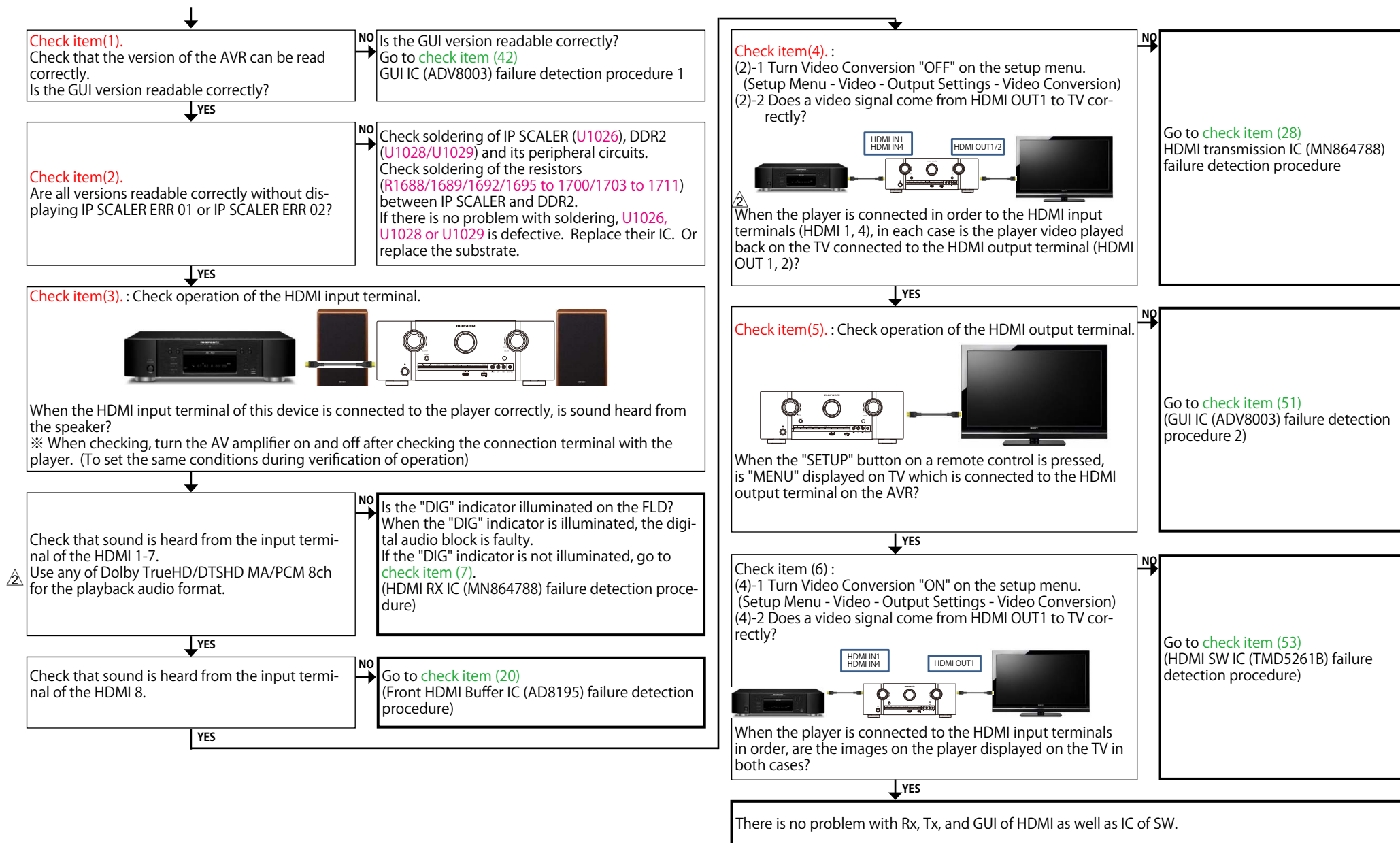


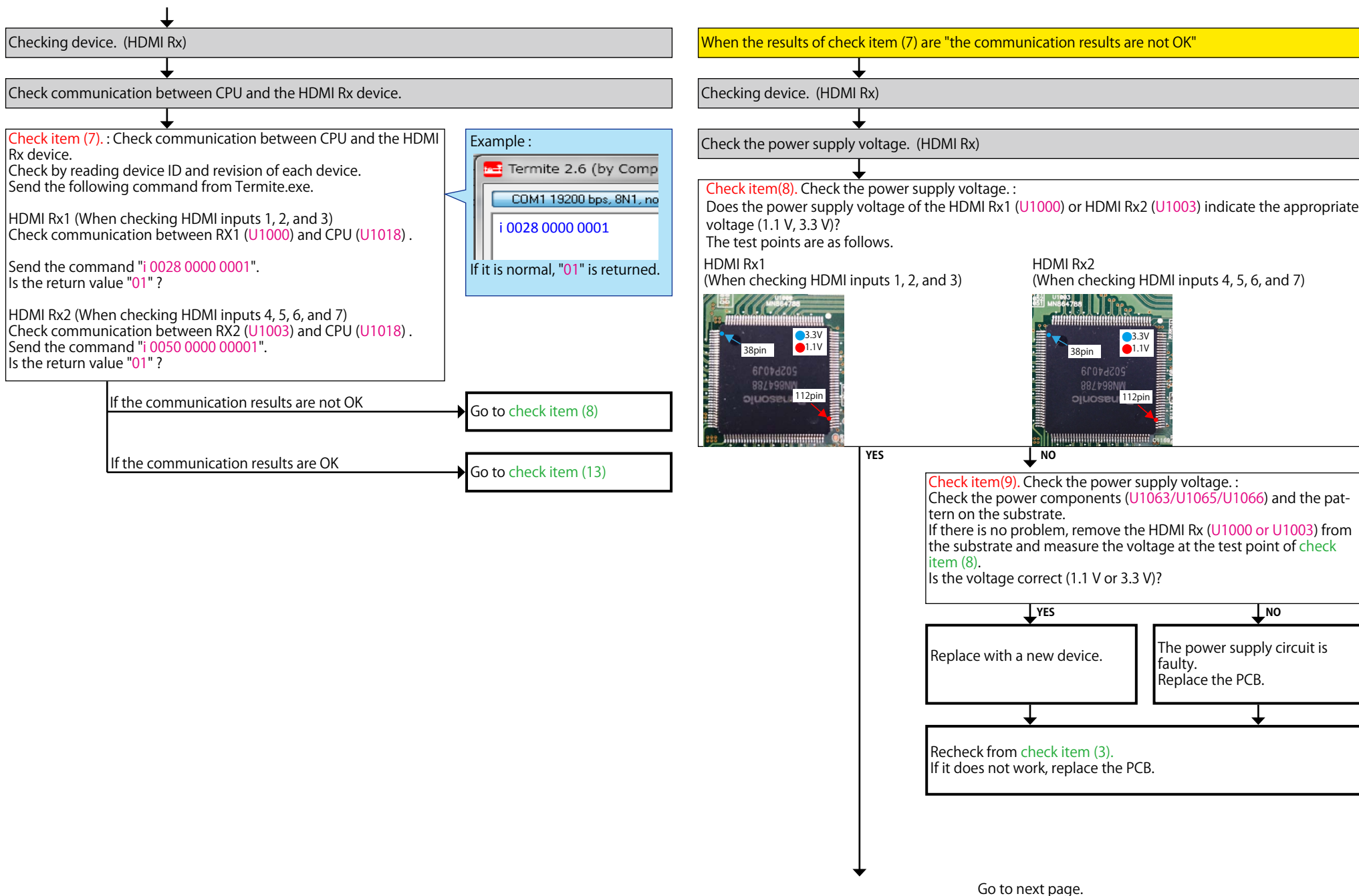
Figure 8 Method for Sending Termite Commands

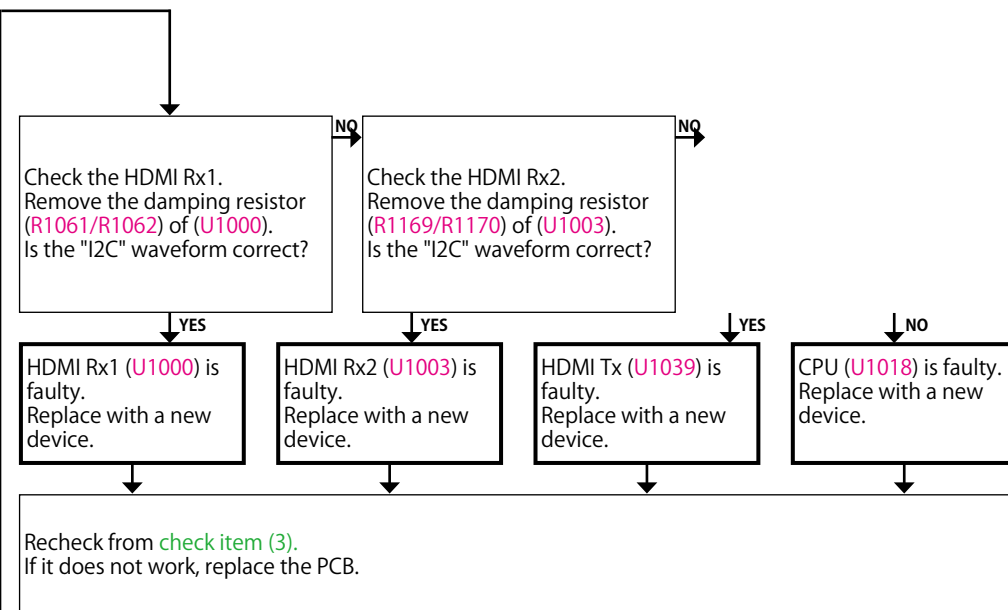
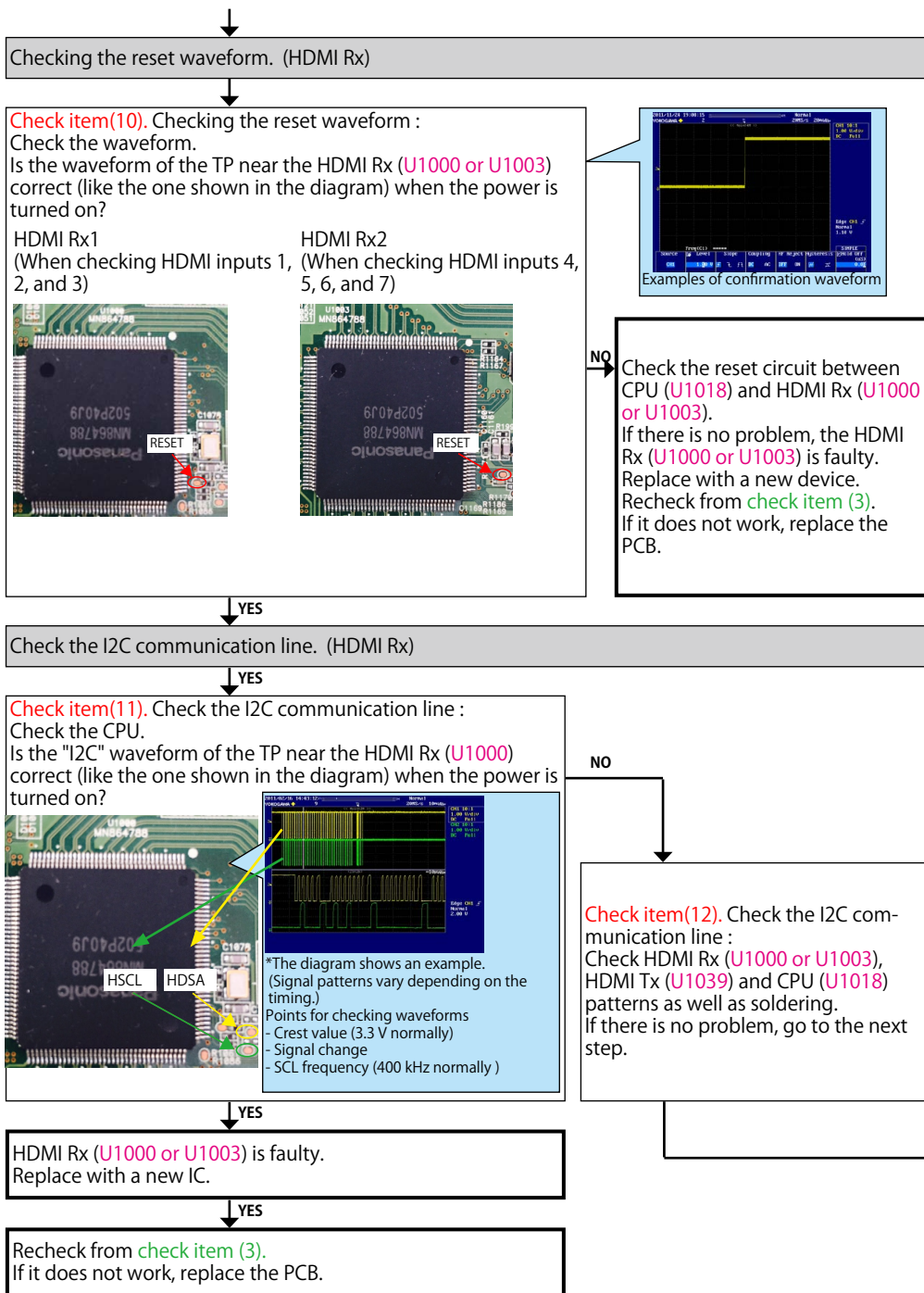
3. Starting detecting the point of failure

3-1 Check the "HDMI/DVI" item in troubleshooting.



3-2 HDMI Rx (MN864788) failure detection procedure





When the results of check item (7) are "the communication results are OK"

Checking operation between the HDMI (Rx) device and the player



※ In order to check, connect the player to the HDMI terminal and configure the player as AVR source.
Check the sound output while turning on the player.

Checking the +5V/DDC status register (HDMI Rx)

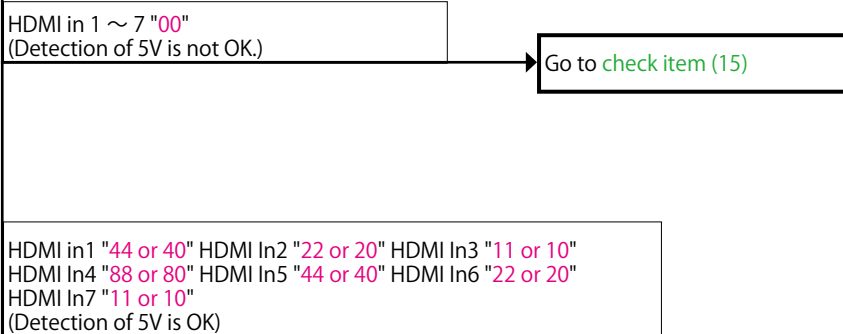
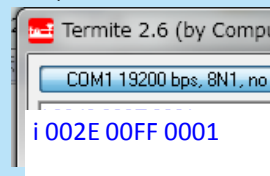
Check item(13). Checking the 5V status register :
Send the following command from Termite.exe.

HDMI Rx1 (When checking HDMI inputs 1, 2, and 3)
Send the command "i 002E 00FF 0001".

HDMI Rx2 (When checking HDMI inputs 4, 5, 6, and 7)
Send the command "i 0056 00FF 0001".

Move to the branch destination according to the value returned.

Example



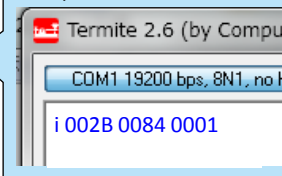
Check item(14). Checking the +5V/DDC status register :
Send the following command from Termite.exe.

HDMI Rx1 (When checking HDMI inputs 1, 2, and 3)
Case of HDMI IN1
Send the command "i 002B 0084 0001".
Case of HDMI IN2
Send the command "i 002B 0054 0001".
Case of HDMI IN3
Send the command "i 002B 0024 0001".

HDMI Rx2 (When checking HDMI inputs 4, 5, 6, and 7)
Case of HDMI IN4
Send the command "i 0053 00B4 0001".
Case of HDMI IN5
Send the command "i 0053 0084 0001".
Case of HDMI IN6
Send the command "i 0053 0054 0001".
Case of HDMI IN7
Send the command "i 0053 0024 0001".

Move to the branch destination according to the value returned.

Example

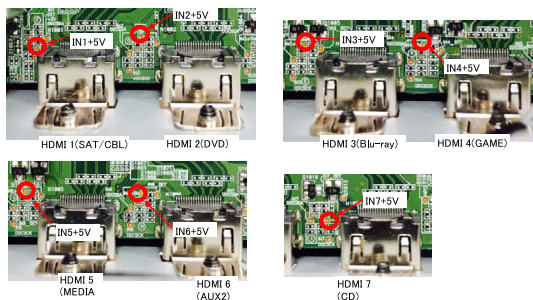


```
graph TD
    A["\"00 or 04\"  
(Detection of DDC is not OK.)"] --> B["Go to check item (16)"]
    C["\"22\"  
(Detection of DDC is OK)"] --> D["Go to check item (17)"]
```

When the results of check item (13) are "00"
(Detection of 5V is not OK)

Check the +5V voltage. (HDMI Rx)

Check item(15). Check the +5V voltage.
Does "+5 V" at the following test point indicate 5 V?



YES

HDMI Rx (U1000 or U1003) is faulty.
Replace with a new device.

NO

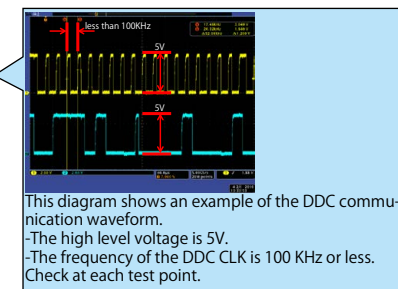
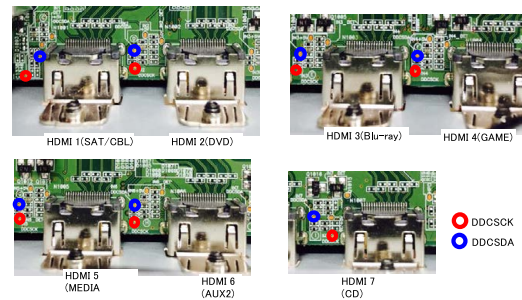
Check for a short circuit in the 5 V line and the 5 V Switch IC (U1002).
If there is no problem, the HDMI Rx (U1000 or U1003) or the 5 V Switch IC (U1002) is faulty.
Replace with a new device.

Recheck from check item (3).
If it does not work, replace the PCB.

When the results of check item (14) are "00 or 04"
(Detection of DDC is not OK.)

Check the DDC line. (HDMI Rx)

Check item(16). Check the DDC line :
Are waveforms of "DDCCLK" and "DDCSDA" observed at the test point near the HDMI input terminal?



YES

HDMI Rx (U1000 or U1003) is faulty.
Replace with a new device.

NO

Check for a short circuit in the DDC line.
If there is no problem, the HDMI Rx1 (U1000) or HDMI Rx2 (U1003) is faulty.
Replace with a new device.

Recheck from check item (3).
If it does not work, replace the PCB.

When the results of check item (14) are "22"
(Detection of DDC is OK.)

Checking the TMDS status register

Check item(17). Checking register of the TMDS CLK detection status register :

Send the following command from Termit.exe.

HDMI Rx1 (When checking HDMI inputs 1, 2, and 3)

Send the command "i 002E 00FF 0001".

Rx2 (When checking HDMI inputs 4, 5, 6, and 7)

Send the command "i 0056 00FF 0001".

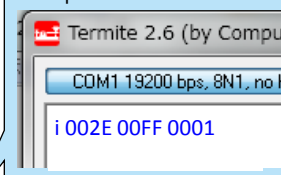
When the following value is returned, go to Yes.

HDMI In1 "44" HDMI In2 "22" HDMI In3 "11" HDMI In4 "88" HDMI In5 "44" HDMI In6 "22" HDMI In7 "11"

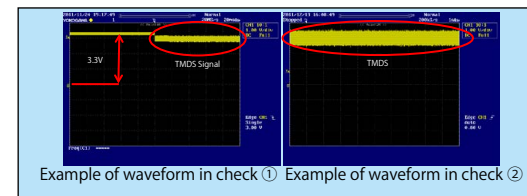
When the following value is returned, go to No.

HDMI In1 "40" HDMI In2 "20" HDMI In3 "10" HDMI In4 "80" HDMI In5 "40" HDMI In6 "20" HDMI In7 "10"

Example



NO



Check item(18). Checking the TMDS input waveform. :
Check the TMDS waveform at the following test point.
Is the waveform like the sample?

HDMI Rx1 (U1000)
(When checking HDMI inputs 1, 2, and 3)



HDMI Rx2 (U1003)
(When checking HDMI inputs 4, 5, 6, and 7)



HDMI In3/7
93/94/96/97/99/100/102/103 pin
HDMI In2/6
80/81/83/84/86/87/89/90 pin
HDMI In1/5
55/56/58/59/61/62/64/65 pin
HDMI In4
42/43/45/46/48/49/51/52 pin

YES

NO

HDMI Rx (U1000 or U1003) is faulty.
Replace with a new device.

Check for a short circuit in the pattern of the
TMDS line of the HDMI Rx (U1000 or U1003) from
the HDMI input terminal.
If there is no problem, the HDMI Rx (U1000 or
U1003) is faulty. Replace with a new device.

Recheck from **check item (3)**.
If it does not work, replace the PCB.

Check item(19). Checking the audio signal output :

Check the audio signal waveform at the following test point.
Is the waveform like the sample?

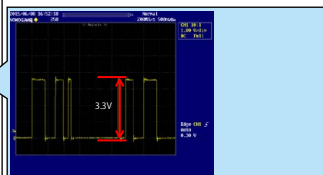
HDMI Rx1 (U1000)
(When checking HDMI inputs
1, 2, and 3)



HDMI Rx2 (U1003)
(When checking HDMI inputs
4, 5, 6, and 7)



129/131/132/133/134/135/136 pin



The diagram shows an example of the wave-
form of pin 129. (I2S0 Data)
Waveform check points
- Crest value (3.3 V normally)
- Signal change
Check the waveform of each pin.

YES

NO

The digital audio block is faulty.
Check the digital audio device.
Check "AUDIO" in troubleshooting.
If it does not work, replace the PCB.

HDMI Rx (U1000 or U1003) is faulty.
Replace with a new device.



3-3 Front HDMI Buffer IC (AD8195) failure detection procedure

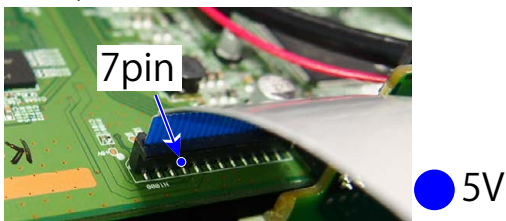
Checking operation between the HDMI (Front HDMI Buffer) and the player



※ In order to check, connect the player to the HDMI terminal and configure the player as AVR source.
Check the sound output while turning on the player.

Check the power supply voltage. (HDMI Rx)

Check item(20). Check the power supply voltage. :
Does the power supply voltage of the Front HDMI FFC base (N1000) indicate the correct voltage (5V)?
The test points are as follows.



YES

NO

Check item(21). Check the power supply voltage. :
Check the FETSW (Q1058) and peripheral pattern.
If there is no problem, remove the Front HDMI FFC from the substrate and measure the voltage at the test point of **check item (20)**.
Is the power supply voltage correct (5 V)?

YES

NO

Front HDMI Buffer (U1022) is faulty.
Replace with a new device.

Replace the FET SW (Q1058) and recheck from **check item (20)**.
If it does not work, replace the PCB.

Recheck from **check item (3)**.
If it does not work, replace the PCB.

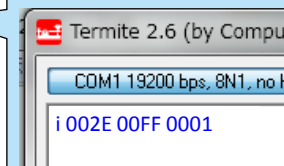
Checking the +5V/DDC status register (Front HDMI Buffer)

Check item(22). Checking the 5V status of the register :
Send the following command from Terminate.exe.

Send the command "i 002E 00FF 0001".

Move to the branch destination according to the value returned.

Example



"00"

(Detection of 5V is not OK.)

Go to **check item (24)**

"88 or 80"

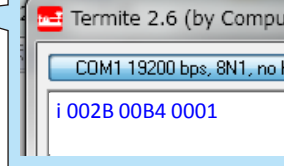
(Detection of 5V is OK)

Check item(23). Checking the status of the register :
Send the following command from Terminate.exe.

Send the command "i 002B 00B4 0001".

Move to the branch destination according to the value returned.

Example



"00 or 04"

(Detection of DDC is not OK.)

Go to **check item (25)**

"22"

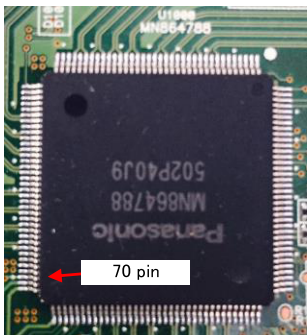
(Detection of DDC is OK)

Go to **check item (26)**

When the results of check item (22) are "00"
(Detection of 5V is not OK.)

Check the +5V voltage. (Front HDMI Buffer)

Check item(24). Check the +5V voltage.
Does "+5 V" at the following test point indicate 5 V?
The test points are as follows.



NO

Check for a short circuit in the 5 V line, the Front HDMI FFC, and the 5 V Switch (U1002).
If there is no problem, the HDMI Rx (U1000) or the 5 V Switch (U1002) is faulty.
Replace with a new device.

YES

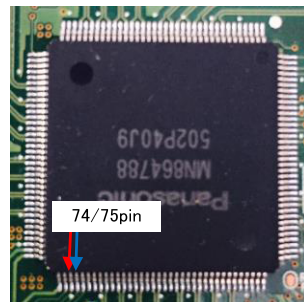
HDMI Rx1 (U1000) is faulty.
Replace with a new device.

Recheck from **check item (3)**.
If it does not work, replace the PCB.

When the results of check item (23) are "00 or 04"
(If the DDC are not OK)

Check the DDC line. (Front HDMI Buffer)

Check item(25). Check the DDC line :
Does "DDCCL / DDCDA" signal of the RX1 (U1000)
indicate 5 V?
The test points are as follows.



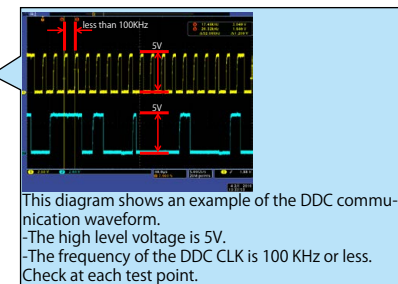
NO

Check for a short circuit in the DDC line and check the Front HDMI FFC.
If there is no problem, the Front HDMI Buffer(U1022) is faulty.
Replace with a new device.

YES

HDMI Rx1 (U1000) is faulty.
Replace with a new device.

Recheck from **check item (3)**.
If it does not work, replace the PCB.



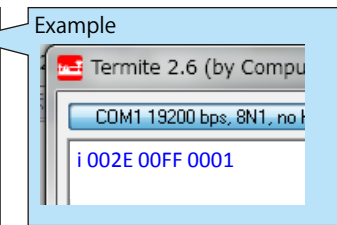
This diagram shows an example of the DDC communication waveform.
-The high level voltage is 5V.
-The frequency of the DDC CLK is 100 KHz or less.
Check at each test point.



When the results of check item (23) are "22"
(Detection of DDC is OK)

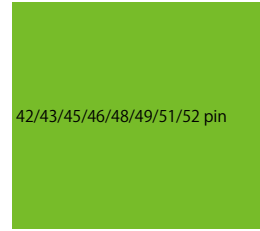
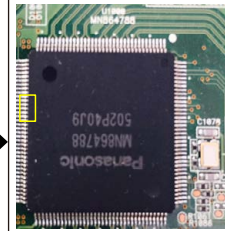
Checking the TMDS status register

Check item(26). Check the TMDS CLK detection status of the register. :
Send the following command from Terminate.exe.
Send the command "i 002E 00FF 0001".
When the following value is returned, go to Yes.
"88"
When the following value is returned, go to No.
"80"



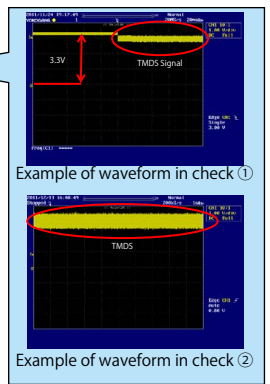
NO

Check item(27). Checking the TMDS input waveform. :
Check the TMDS waveform at the following test point.
Is the waveform like the sample?
HDMI Rx1 (U1000)



YES

NO



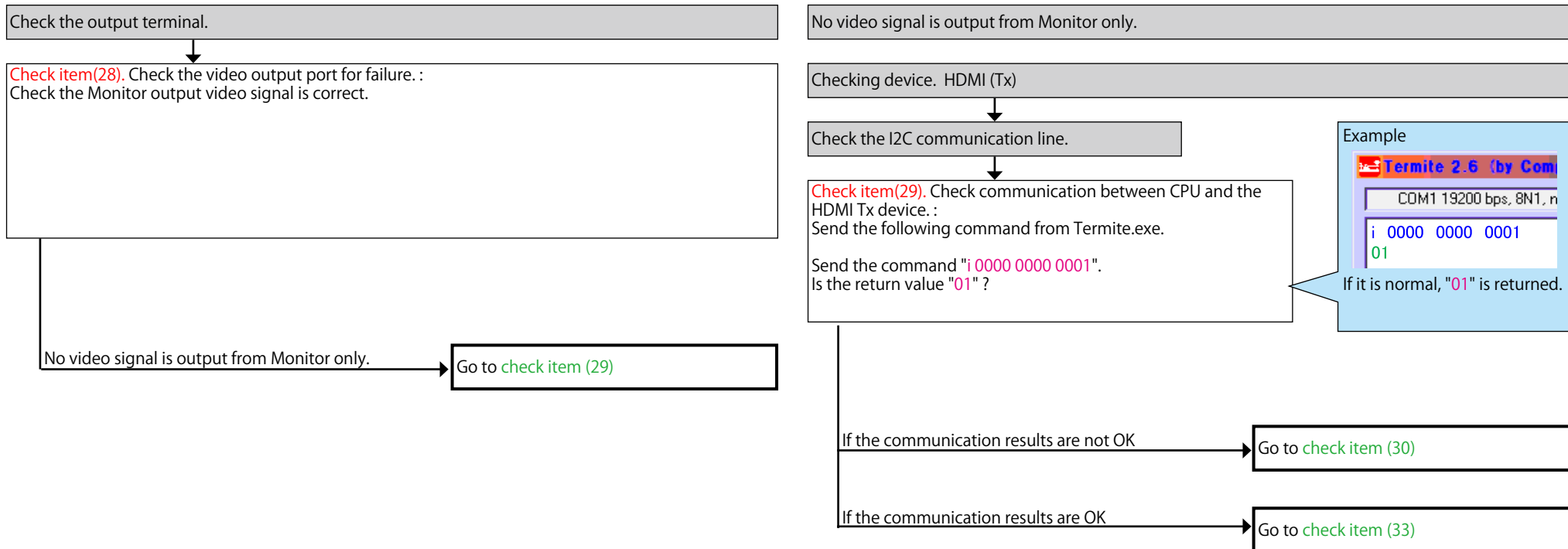
HDMI Rx1 (U1000) is faulty.
Replace with a new device.

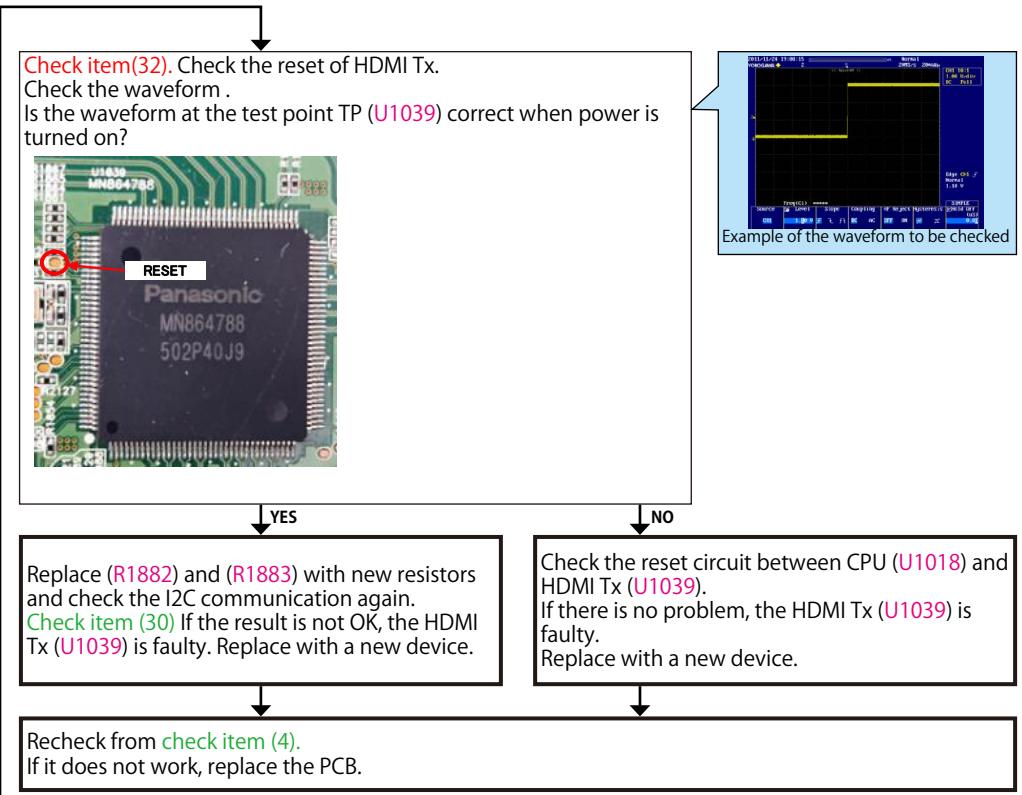
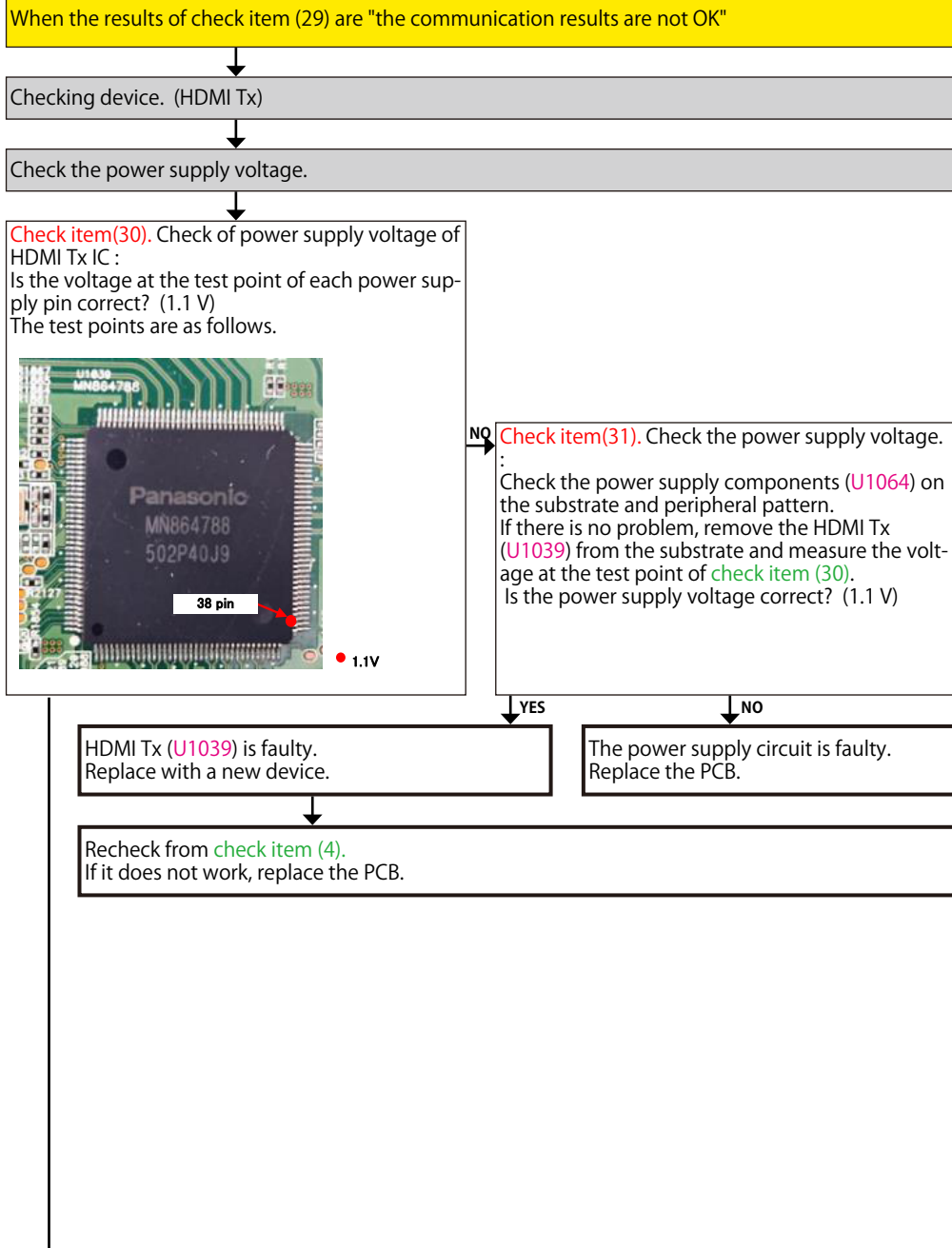
HDMI Rx1 (U1000) is faulty.
Replace with a new device.

Check for a short circuit in the TMDS line and the Front HDMI FFC.
If there is no problem, the Front HDMI Buffer (U1022) is faulty.
Replace with a new device.

Recheck from check item (3).
If it does not work, replace the PCB.

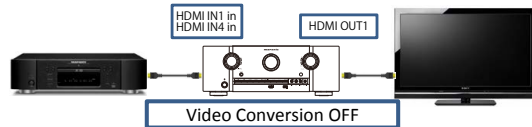
3-4 HDMI transmission IC (MN864788) failure detection procedure





When the results of check item (29) are "the communication results are OK"

Checking operation between the HDMI (Rx) device and the HDMI device (Tx).
Checking operation between the HDMI (Tx) device and TV.



Checking the TMDS status register (HDMI Rx -> HDMI Tx)

Check item(33). Check the TMDS CLK detection status of the register.
Send the following command from Termit.exe.

Send the command "i 0006 00FF 0001".
When checking the signal path from HDMI1 to HDMI OUT1
"72" : Go to Yes.
"74" : Go to No.

When checking the signal path from HDMI4 IN to HDMI OUT1
"71" : Go to Yes.
"74" : Go to No.

Example

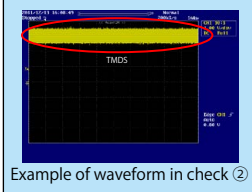
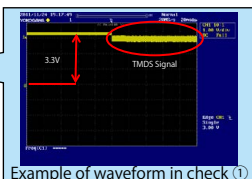
Termite 2.6 (by Computec)
COM1 19200 bps, 8N1, no flow control
i 0006 00FF 0001

YES
The first operation : Checking between Monitor 1 and the TV.
Go to **check item (35)**
Next operation : Checking between Monitor 2 and the TV.
Go to **check item (42)**

Check item (34). Checking the TMDS input :
TMDS waveform at the following points.



Between HDMI Rx1 and HDMI Tx
80/81/83/84/86/87/89/90 pin
Between HDMI Rx2 and HDMI Tx
93/94/96/97/99/100/102/103 pin



HDMI Tx (U1039) is faulty.
Replace with a new device.

YES

Recheck from **check item (4)**.
If it does not work, replace the PCB.

If it is NO between HDMI Rx1 and HDMI Tx.
HDMI Rx1 (U1000) is faulty.
Replace with a new device.

If it is NO between HDMI Rx2 and HDMI Tx.
HDMI Rx2 (U1003) is faulty.
Replace with a new device.

Checking between Monitor1 and the TV.
Connect Monitor1 to the TV and check the following items with the TV turned on.

Checking the HPD/RXSENSE status register. (HDMI TX -> Monitor)

Check item(35). Check the HPD and RXSENSE register value of the HDMI TX device. :

Send the following command from Termit.exe.

Send the command "i 0000 0040 0001".

Move to the branch destination according to the value returned.

Example

Termite 2.6 (by Computec)
COM1 19200 bps, 8N1, no flow control
i 0000 0040 0001

"30"

(Detection of HPD is OK / Detection of RXSENSE is OK)

Go to **check item (36)**

"10"

(Detection of HPD is OK / Detection of RXSENSE is not OK)

Go to **check item (39)**

"20"

(Detection of HPD is not OK / Detection of RXSENSE is OK)

Go to **check item (40)**

"00"

(Detection of HPD is not OK / Detection of RXSENSE is not OK)

Go to **check item (41)**



When the results of check item (35) are "30"
(Detection of HPD is OK / Detection of RXSENSE is OK)

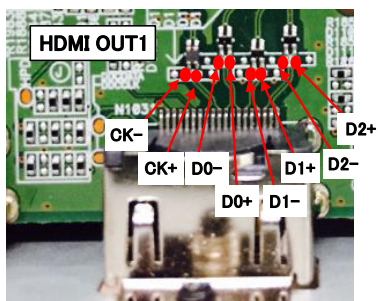
Checking the EDID register. (Monitor 1)

Check item(36). Check the Monitor EDID :

- ① Unplug the AC cord. Plug the AC cord into a power outlet.
 - ② Send the transmission command "m_1" from Termite.exe.
- Are the first eight bytes of the returned value "00FFFFFFF00"?

YES

Check item(37). Checking the TMDS :
Check the TMDS waveform at the following test point.



YES

NO

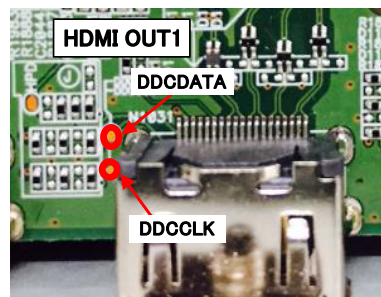
Check for a short circuit in the TMDS line.
If there is no problem, the HDMI Tx (U1039) is faulty.
Replace with a new device.

HDMI Tx (U1039) is faulty.
Replace with a new device.

Recheck from check item (4).
If it does not work, replace the PCB.

NO

Check item(38). Check the communication :
Are waveforms of "DDCSCK" and "DDCSDA" observed at the test point near the HDMI output terminal (N1031)?



YES

NO

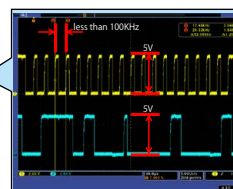
Check for a short circuit in the DDC line.
If there is no problem, the HDMI Tx (U1039) is faulty.
Replace with a new device.

HDMI Tx (U1039) is faulty.
Replace with a new device.

Example

```
Termite 2.6 (by CompuPhase)
COM1 19200 bps, 8N1, no handshake
m_1
00FFFFFFF00D1177945540000
3213010380351E782E6085A6564A9C25
125054A56808180810081C0A9C08140
D1C061C0B300023A801871382D40582C
4500132B2100001E000000FF00394339
```

The first eight bytes are normally "00FFFFFFF00".
*If the AVR and the TV are not connected via HDMI, the correct register value cannot be verified.



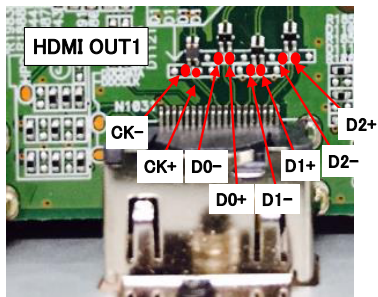
This diagram shows an example of the DDC communication waveform.
-The high level voltage is 5V.
-The frequency of the DDC CLK is 100 KHz or less.
Check at each test point.



When the results of check item (35) are "10"
(Detection of HPD is OK / Detection of RXSENSE is not OK)

Check the RXSENSE. (Monitor1)

Check item(39). Checking the RXSENSE. :
Does the test point of RXSENSE close to the HDMI output terminal
(N1031) indicate the 3.3 V?



YES NO

Check for a short circuit in the TMDS line.
If there is no problem, the HDMI Tx (U1039) is faulty.
Replace with a new device.

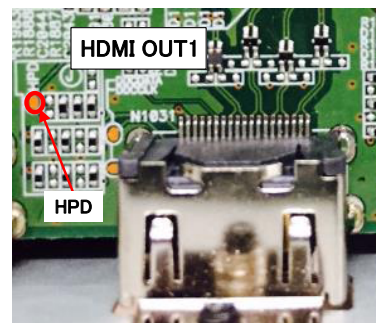
HDMI Tx (U1039) is faulty.
Replace with a new device.

Recheck from **check item (4)**.
If it does not work, replace the PCB.

When the results of check item (35) are "20"
(Detection of HPD is not OK / Detection of RXSENSE is OK)

Check the HPD. (Monitor1)

Check item(40). Checking the HPD. :
Does the voltage of HPD test point close to the HDMI output terminal
(N1031) indicate Hi (3-5 V)?



YES NO

Check for a short circuit in the HPD line.
If there is no problem, the HDMI Tx (U1039) is faulty.
Replace with a new device.

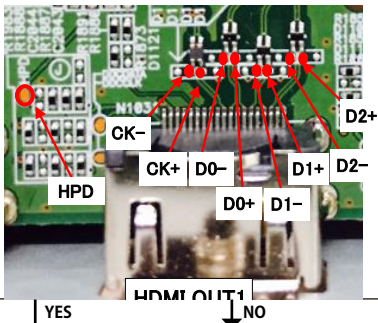
HDMI Tx (U1039) is faulty.
Replace with a new device.

Recheck from **check item (4)**.
If it does not work, replace the PCB.

When the results of check item (35) are "00"
(Detection of HPD is not OK / Detection of RXSENSE is not OK)

Check the RXSENSE/HPD. (Monitor1)

Check item(41). Checking the HPD and RXSENSE. :
Does the test point of RXSENSE close to the HDMI output terminal (N1031) indicate the 3.3 V?
Does the voltage of HPD test point close to the HDMI output terminal (N1031) indicate Hi (3-5 V)?



YES

NO

Check for a short circuit in the TMDS/ HPD line.
If there is no problem, the HDMI Tx (U1039) is faulty.
Replace with a new device.

HDMI Tx (U1039) is faulty.
Replace with a new device.

Recheck from **check item (4)**.
If it does not work, replace the PCB.

Checking between Monitor 2 and the TV.
Connect Monitor 2 to the TV and check the following items with the TV turned on.

Checking the HPD/RXSENSE status register. (Monitor2)

Check item(42). Check the HPD and RXSENSE register value of the HDMI TX device.

Send the following command from Termite.exe.

Send the command "i 0000 0040 0001".

Move to the branch destination according to the value returned.

Example

```
Termite 2.6 (by Compu
COM1 19200 bps, 8N1, no f
i 0000 0040 0001
```

"03"

(Detection of HPD is OK / Detection of RXSENSE is OK)

Go to **check item (43)**

"01"

(Detection of HPD is OK / Detection of RXSENSE is not OK)

Go to **check item (45)**

"02"

(Detection of HPD is not OK / Detection of RXSENSE is OK)

Go to **check item (47)**

"00"

(Detection of HPD is not OK / Detection of RXSENSE is not OK)

Go to **check item (48)**

When the results of check item (42) are "03"
(Detection of HPD is OK / Detection of RXSENSE is OK)

Checking the EDID register. (Monitor2)

Check item(43). Check the Monitor EDID :

- ① Unplug the AC cord. Plug the AC cord into a power outlet.
 - ② Send the transmission command "m_2" from Termite.exe.
- Are the first eight bytes of the returned value "00FFFFFFF00"?

Example

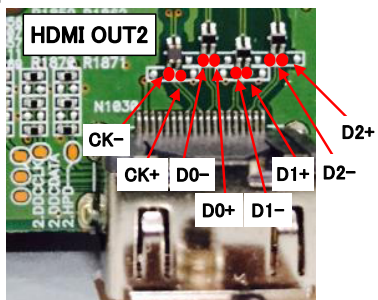
```
COM1 19200 bps, 8N1, no handshake
m_2
00FFFFFFF0009b1177945540000
3213010380151E782E6085A6564A9C25
125054A56B08180810081C0A9C08140
D1C061C0B300023A801871382D40582C
4500132B2100001E000000FF00394339
```

The first eight bytes are normally "00FFFFFFF00".
*If the AVR and the TV are not connected via HDMI, the correct register value cannot be verified.

YES

NO

Check item(44). Checking the TMDS :
Check the TMDS waveform at the following test point.



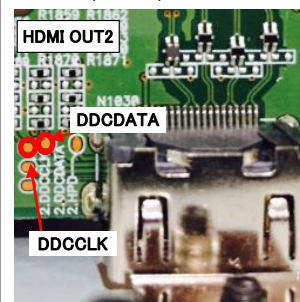
YES

NO

Check for a short circuit in the TMDS line.
If there is no problem, the HDMI Tx (U1039) is faulty.
Replace with a new device.

HDMI Tx (U1039) is faulty.
Replace with a new device.

Check item(45). Check communication with the monitor :
Are waveforms of "DDCSCK" and "DDCSDA" observed at the test point near the HDMI output terminal (N1030)?



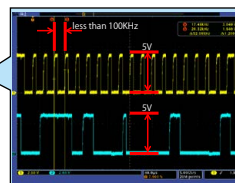
YES

NO

HDMI Tx (U1039) is faulty.
Replace with a new device.

HDMI Tx (U1039) is faulty.
Replace with a new device.

Recheck from check item (4).
If it does not work, replace the PCB.



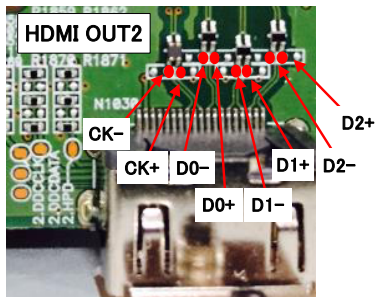
This diagram shows an example of the DDC communication waveform.
-The high level voltage is 5V.
-The frequency of the DDC CLK is 100 KHz or less.
Check at each test point.



When the results of check item (42) are "01"
(Detection of HPD is OK / Detection of RXSENSE is not OK)

Check the RXSENSE. (Monitor2)

Check item(46). Checking the RXSENSE. :
Does the test point of RXSENSE close to the HDMI output terminal
(N1030) indicate the 3.3 V?



YES NO

Check for a short circuit in the TMDS line.
If there is no problem, the HDMI Tx (U1039) is faulty.
Replace with a new device.

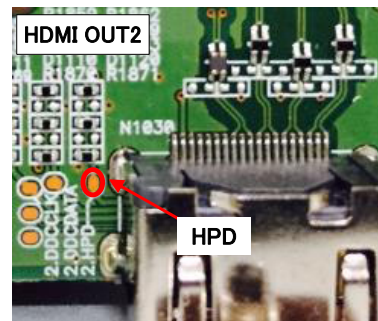
HDMI Tx (U1039) is faulty.
Replace with a new device.

Recheck from **check item (4)**.
If it does not work, replace the PCB.

When the results of check item (42) are "02"
(Detection of HPD is not OK / Detection of RXSENSE is OK)

Check the HPD. (Monitor2)

Check item(47). Checking the HPD. :
Does the voltage of HPD test point close to the HDMI output terminal
(N1030) indicate Hi (3-5 V)?



YES NO

Check for a short circuit in the HPD line.
If there is no problem, the HDMI Tx (U1039) is faulty.
Replace with a new device.

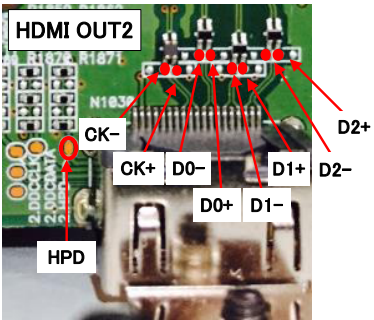
HDMI Tx (U1039) is faulty.
Replace with a new device.

Recheck from **check item (4)**.
If it does not work, replace the PCB.

When the results of check item (42) are "00"
(Detection of HPD is not OK / Detection of RXSENSE is not OK)

Checking the HPD/RXSENSE status register. (Monitor2)

Check item(48). Checking the HPD and RXSENSE. :
Does the test point of RXSENSE close to the HDMI output terminal (N1030) indicate the 3.3 V?
Does the voltage of HPD test point close to the HDMI output terminal (N1030) indicate Hi (3-5 V)?



YES

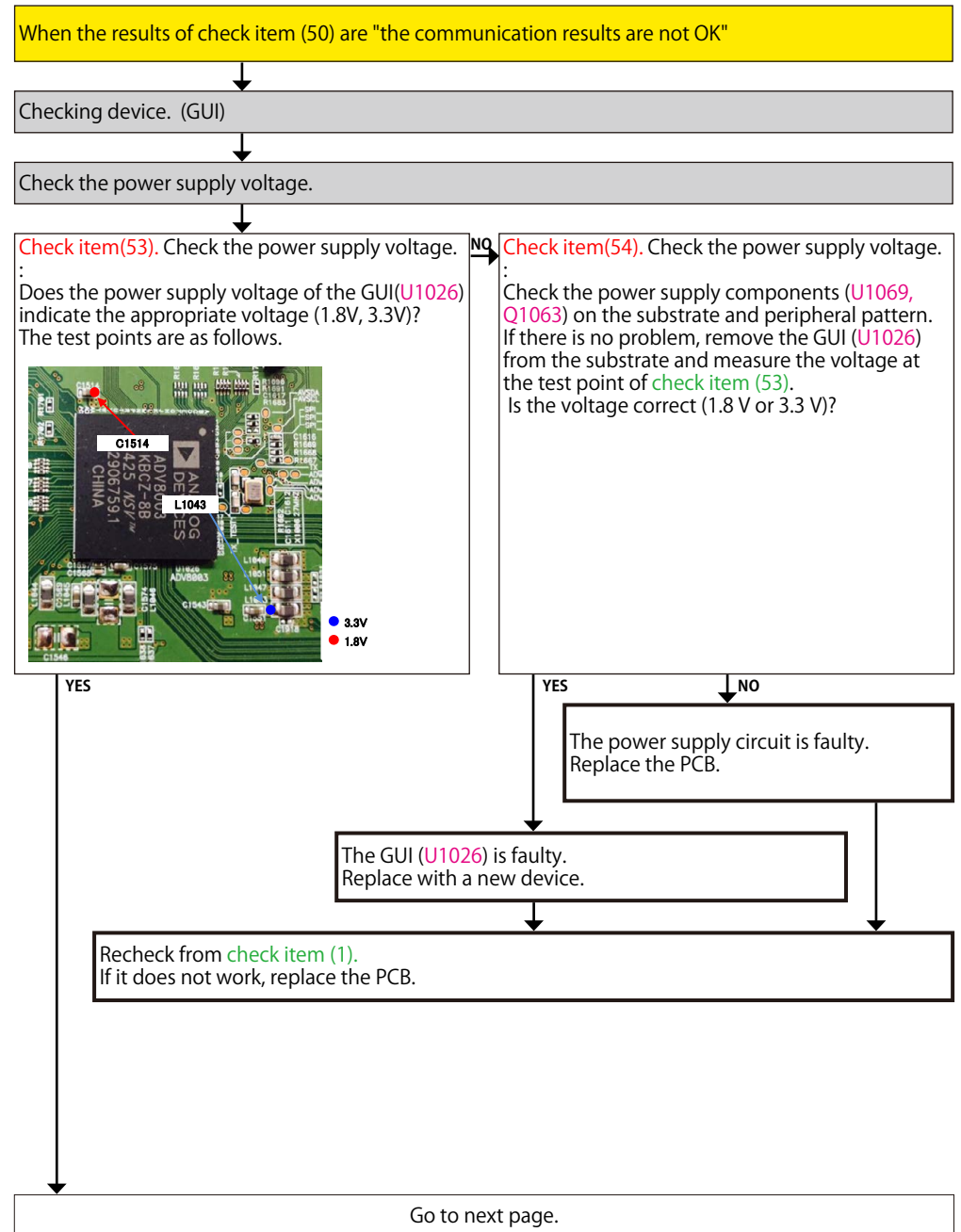
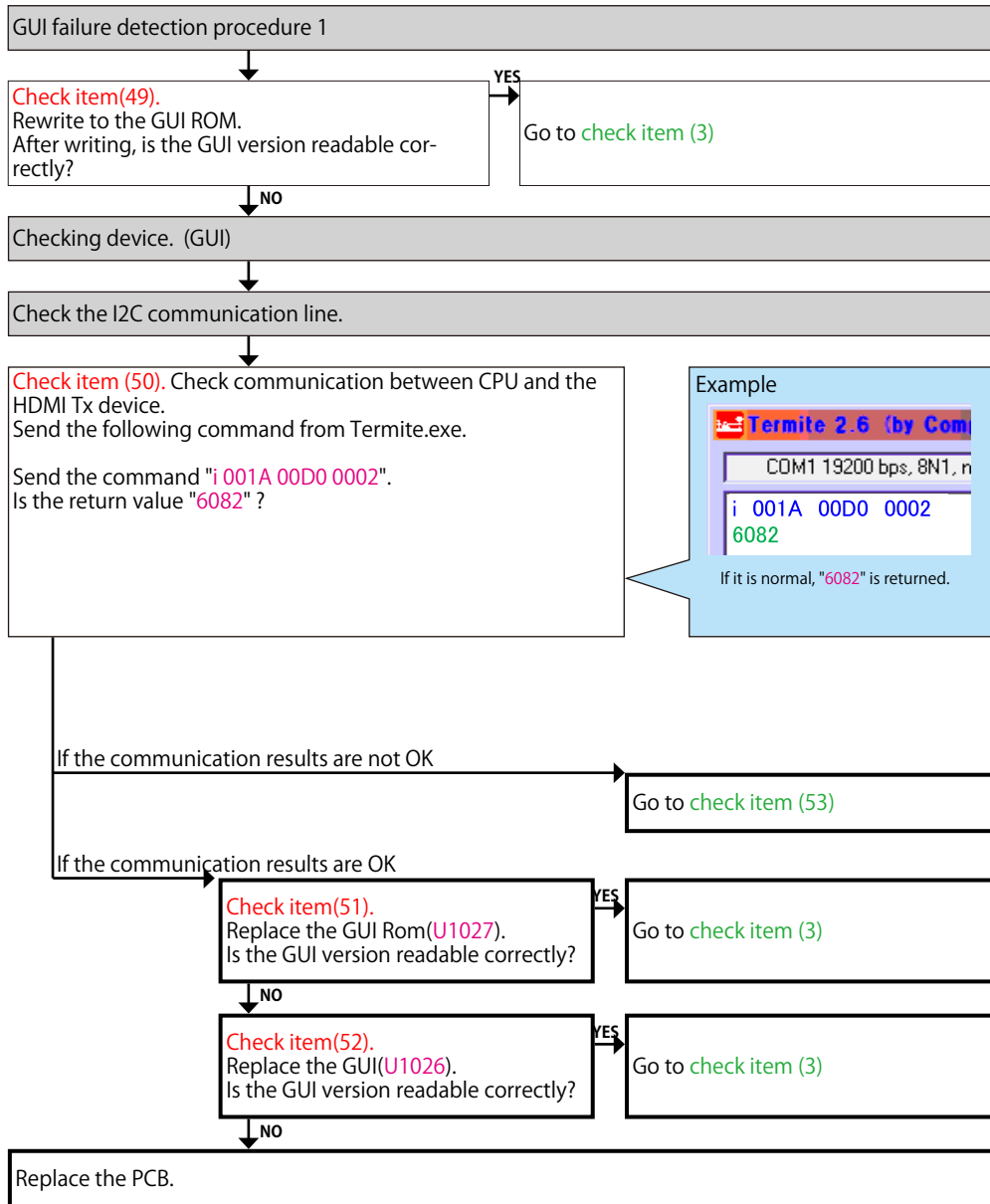
NO

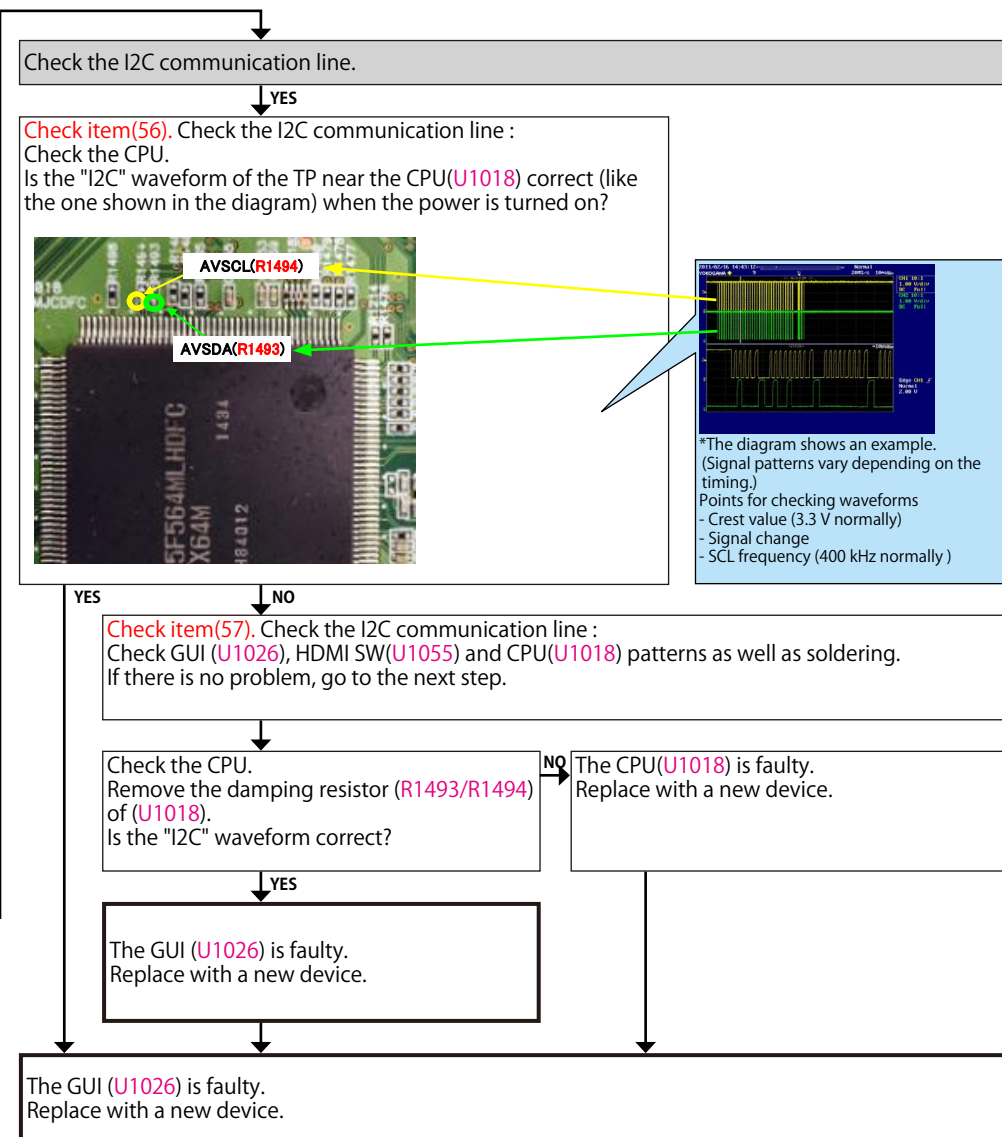
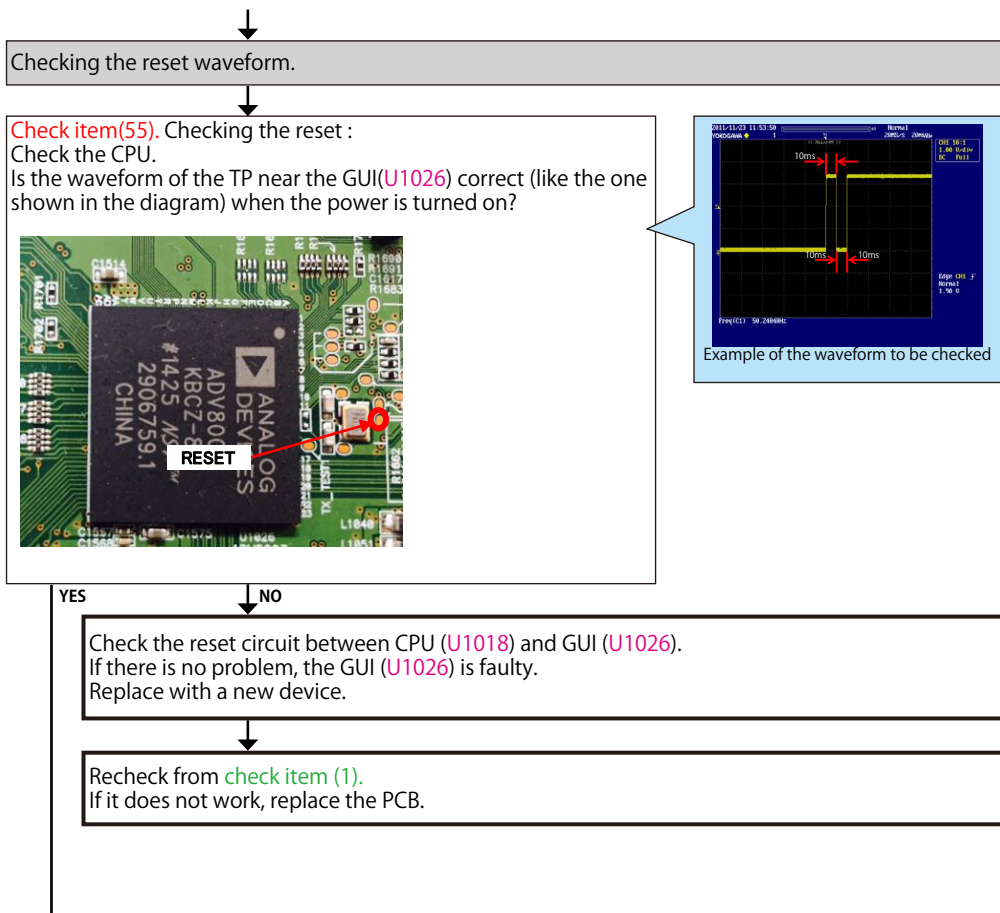
Check for a short circuit in the TMDS/ HPD line.
If there is no problem, the HDMI Tx (U1039) is faulty.
Replace with a new device.

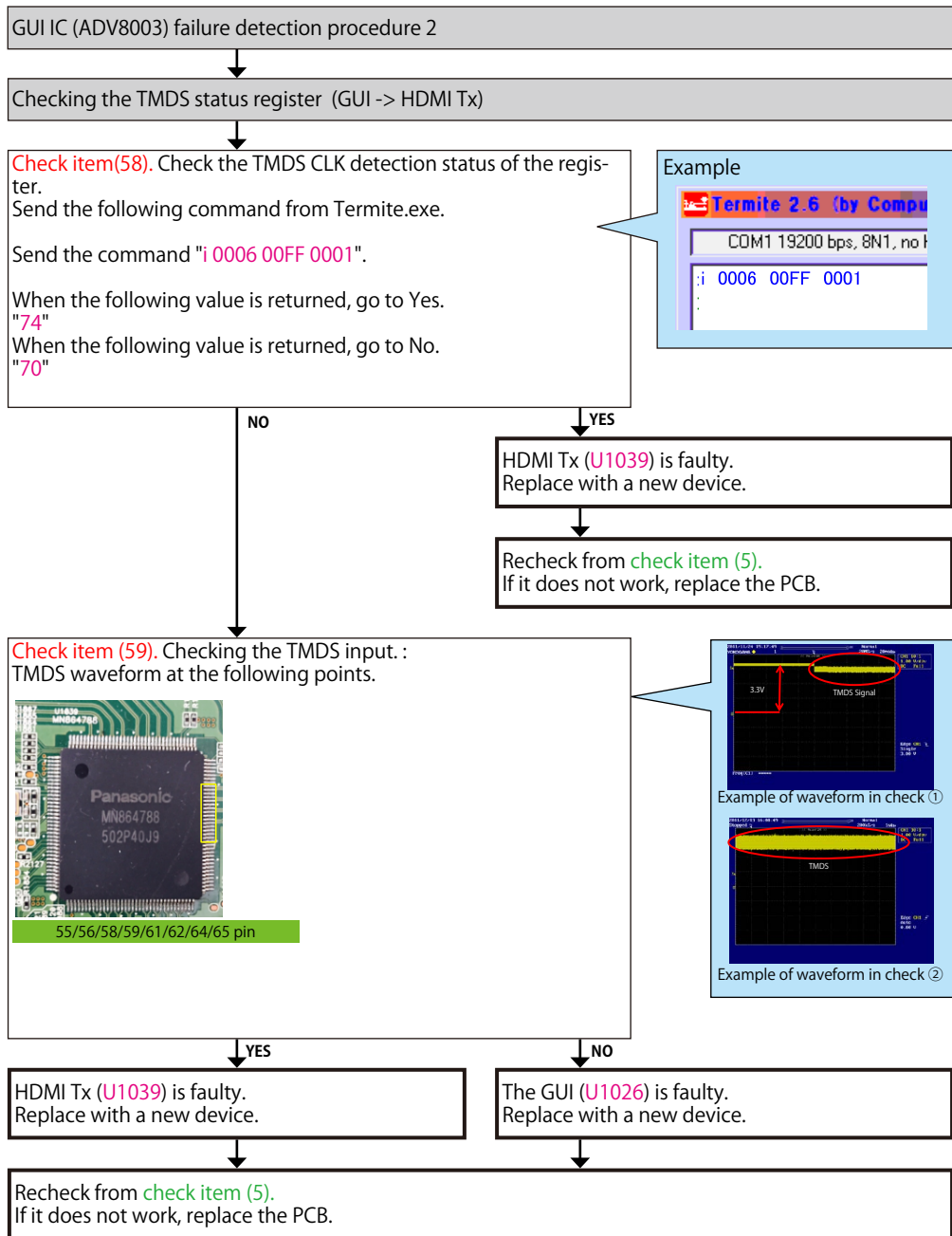
HDMI Tx (U1039) is faulty.
Replace with a new device.

Recheck from **check item (4)**.
If it does not work, replace the PCB.

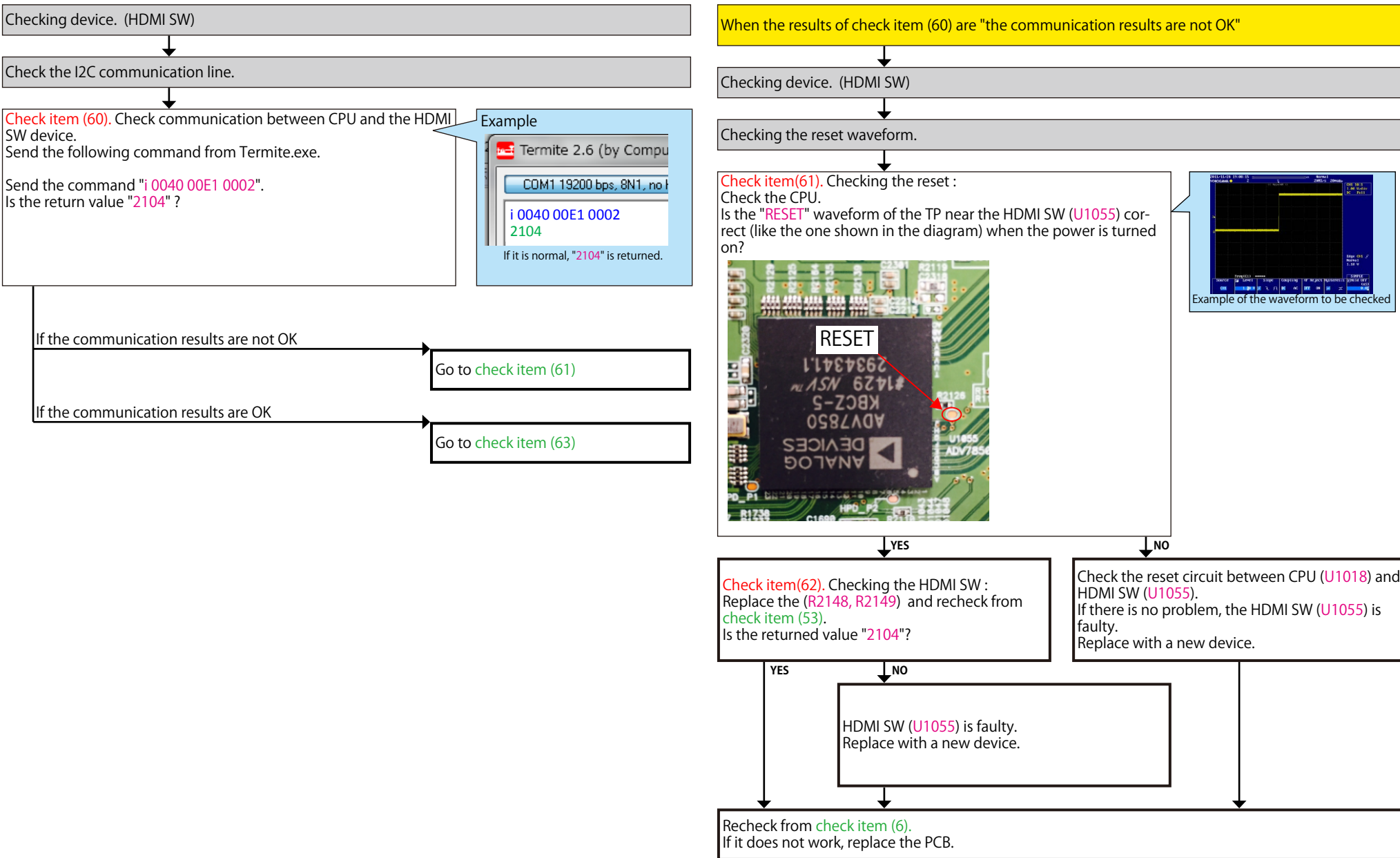
3-5 GUI IC (ADV8003) failure detection procedure

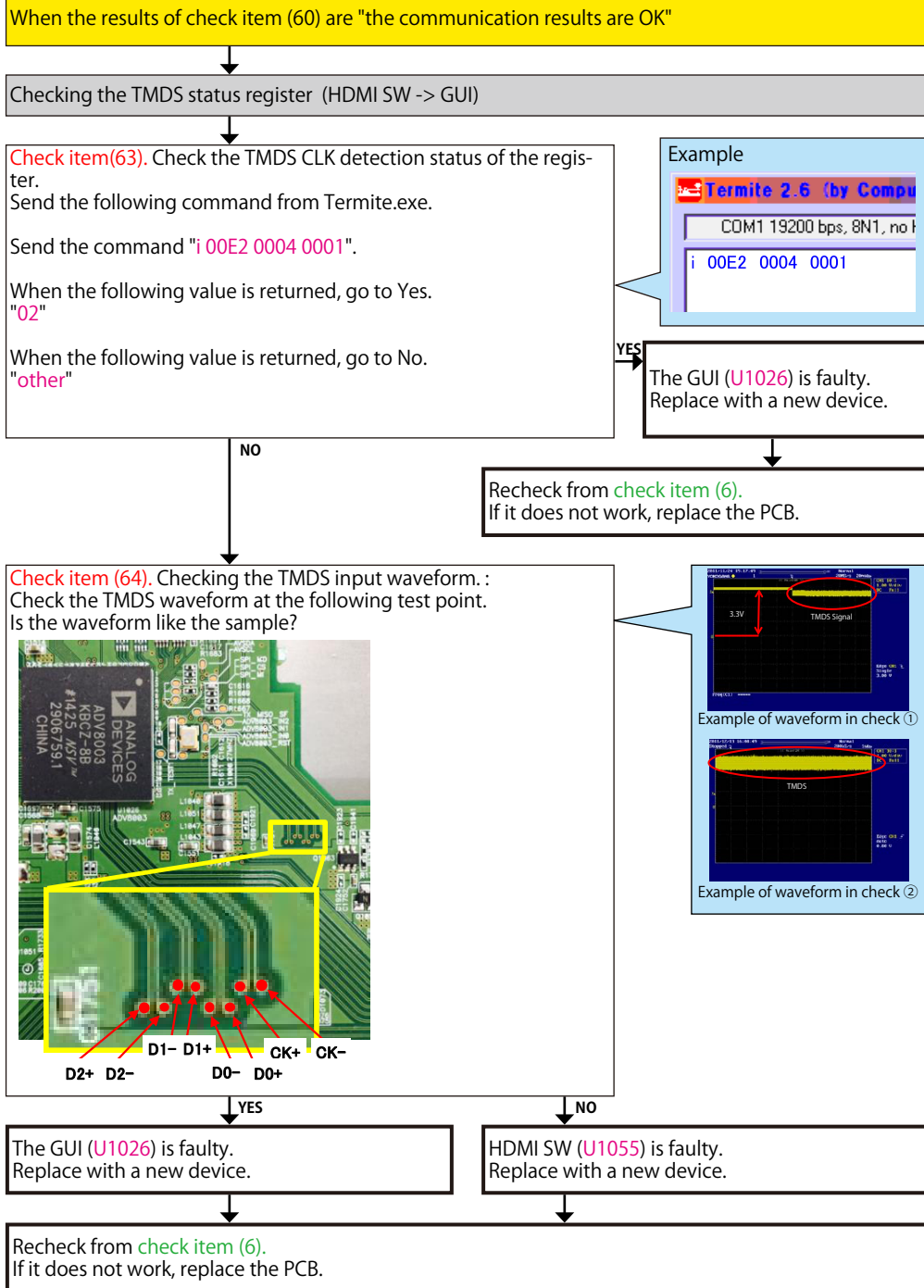




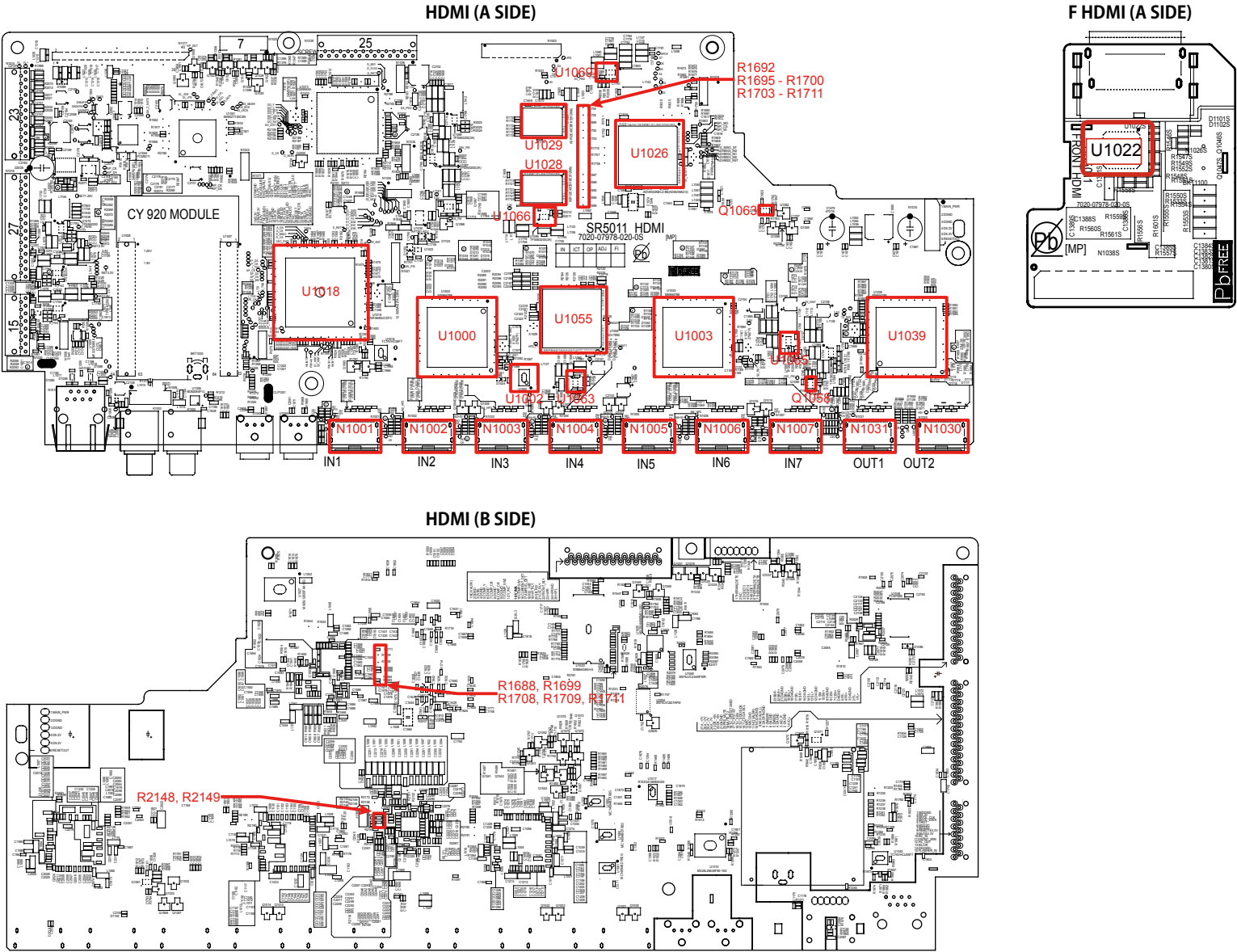


3-6 HDMI SW IC (ADV7850) failure detection procedure





4. Device implementation location



Caution in
servicing

Electrical

Mechanical

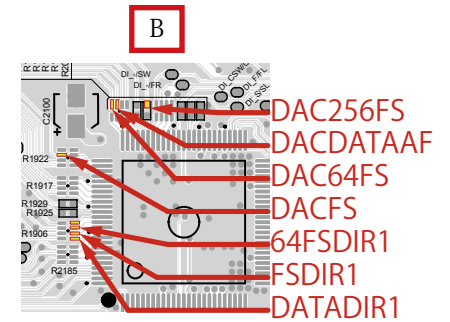
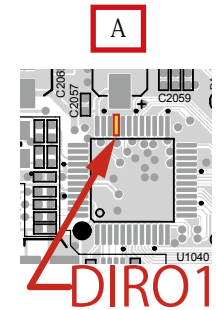
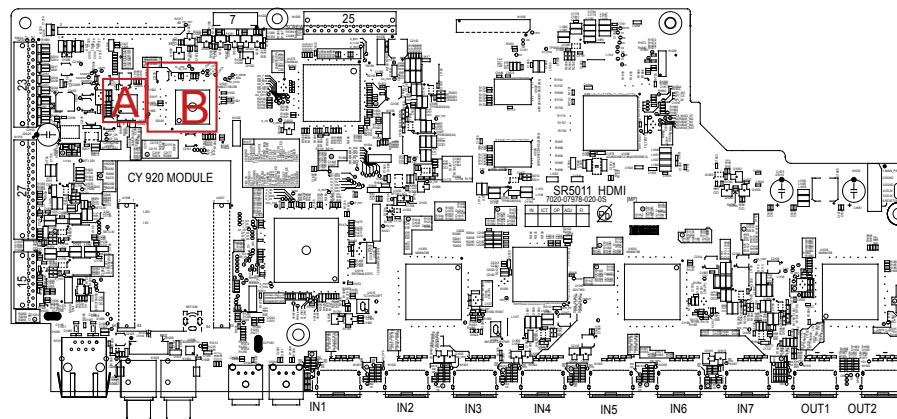
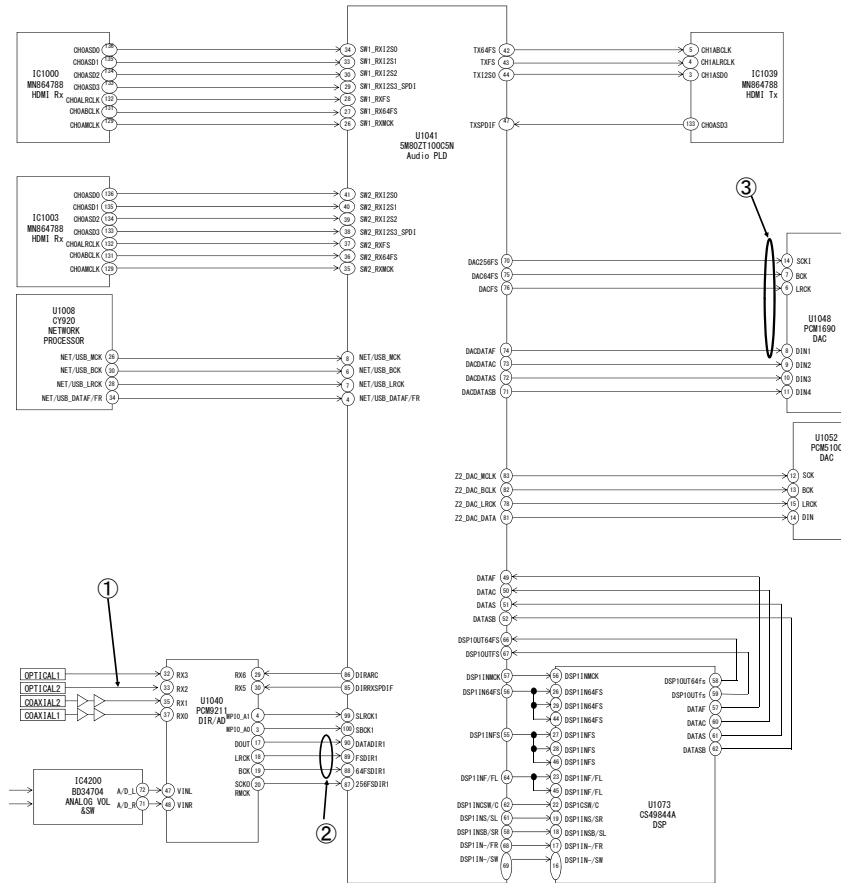
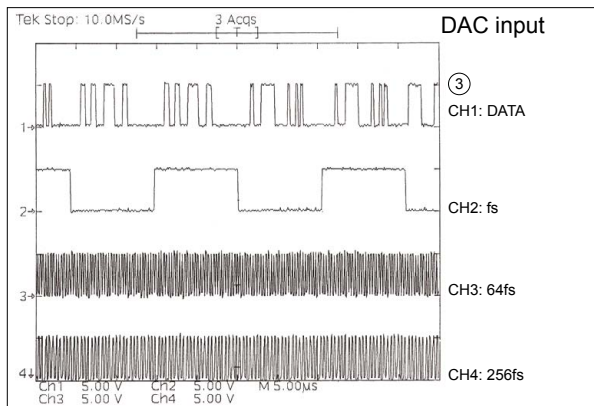
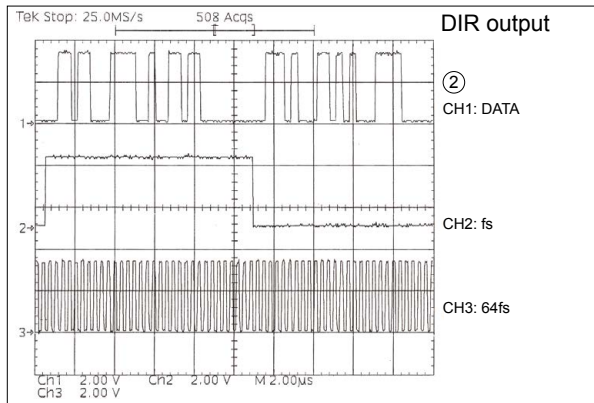
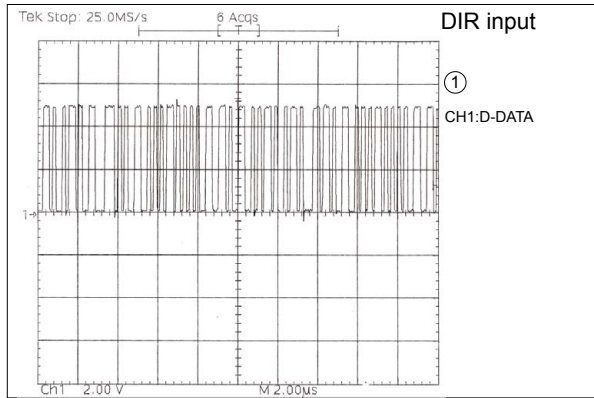
Repair Information

Updating



CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK

WAVE FORM



Caution in
Servicing

Electrical

Mechanical

Repair Information

Updating



SPECIAL MODE

Special mode setting button

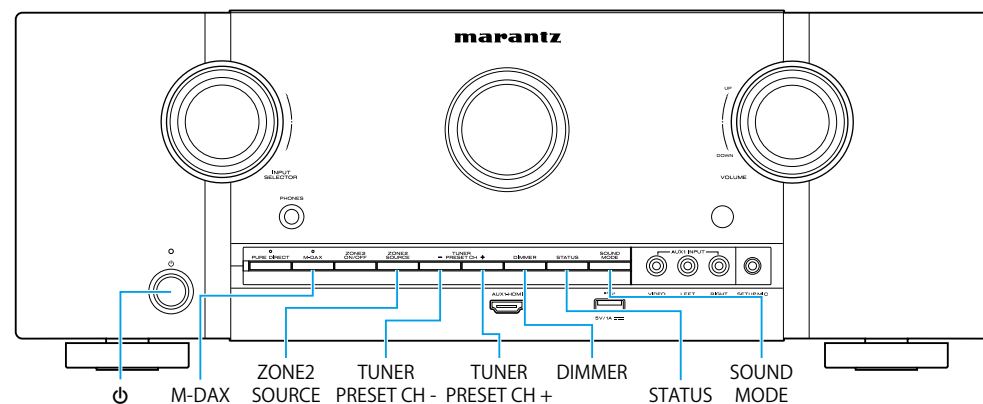
- ※ No. 1 - 4, 7 - 10 : While holding down buttons "A", "B" and "C" simultaneously, press the power button to turn on the power.
- ※ No. 5, 6 : While the power is on, hold down buttons "A" and "B" for at least 3 seconds .
- ※ No. 11 : While holding down buttons "A", "B" and "C" simultaneously, insert the AC plug into the wall outlet to turn on the power.

No.	Mode	Button A	Button B	Button C	Descriptions
1	Version Display (u-COM / DSP Error Display)	DIMMER	STATUS	-	Displays the version of firmware such as the main firmware or DSP. Errors that have occurred are displayed. (See 1. Version Display Mode)
2	PANEL / REMOTE LOCK Selection Mode	M-DAX	DIMMER	-	Start this unit in the PANEL/REMOTE LOCK selection mode so that PANEL LOCK and Remote Lock can be switched between On and Off. (See 2. PANEL / REMOTE LOCK Selection Mode) PANEL LOCK MODE : No. 2 - 1 - No. 2 - 3
2-1	PANEL LOCK Mode (with Volume)	↑	↑	-	Disables reception from all keys and encoders on the front panel except the power button (including the volume).
2-2	PANEL LOCK Mode (without Volume)	↑	↑	-	Disables reception from all keys and encoders on the front panel except the power button and volume encoder.
2-3	PANEL LOCK mode is turned off	↑	↑	-	Releases the PANEL LOCK.
3	Selecting the Mode for Service-related	ZONE2 SOURCE	STATUS	-	This is a display for turning on each service-related mode. Service-related modes: No. 3-1 - No. 3-4 (See 3-1. Selecting the Mode for Service-related)
3-1	Check the Video/Audio path Mode	TUNER PRESET CH +	-	-	This is a special mode for service confirmation used during repair work to simplify the confirmation work for the Audio channel / video channel. (See Service Path Check Mode)
3-2	Protection history display mode	↑	-	-	Displays the protection occurrence history. (See 3-2. Protection History Display Mode)
3-3	232C Standby Clear Mode	↑	-	-	Switches from 232C standby mode to normal standby mode. (See 3-3. 232C Standby Clear Mode)
3-4	Operation Info Mode	↑	-	-	Displays the accumulated operating time of the unit, the number of times the power was switched on, and the number of occurrences of each protection. (See 3-4. Operation Info Mode)
3-5	TUNER STEP Mode (U and N model only)	↑	-	-	Enables reception STEP of the ANALOG TUNER to be changed. (See 3-5. TUNER STEP mode (U / N only))
4	Protection Pass Mode	DIMMER	STATUS	SOUND MODE	Enables the power to be turned on when protection detection is disabled. (See 4. Protection Pass Mode)
5	CY920 Reboot Mode	TUNER PRESET CH +	STATUS-	-	The CY920 is restarted after CY920 hang up. (See 5. CY920 Reboot Mode)
6	CY920 Initialization Mode	TUNER PRESET CH -	DIMMER	-	Enter this mode only after replacing Flash for CY920 and rewriting the firmware. (See 6. CY920 Initialization Mode)
7	User Initialization Mode	M-DAX	ZONE2 SOURCE	-	Initializes backup data. (Settings for the Installer Setup are not initialized) (Reboot the CY920)
8	Factory Initialization Mode	TUNER PRESET CH -	TUNER PRESET CH +	-	Initializes backup data. (Settings for the Installer Setup are initialized) (CY920 is not Reboot) (See Initializing This Unit)
9	Clearing the Operation Info	TUNER PRESET CH +	DIMMER	-	Clear the accumulated operating time of the unit, the number of times the power was switched on, and the number of occurrences of each protection. (See 7. Clearing the Operation Info)

Go to next page.



No.	Mode	Button A	Button B	Button C	Descriptions
10	USB Update mode	TUNER PRESET CH +	STATUS	-	Switches this unit to USB Update mode. (See 2. Updating via USB)
11	Forced USB All Device Write Mode	TUNER PRESET CH +	STATUS	-	Mode used when this unit cannot be recovered. Forcibly switches this unit to USB update mode. (See 2.9. Forced USB All Device Write Mode)



1. Version Display Mode

1.1. Actions

Version information is displayed when the device is started in this mode.

1.2. Starting up

While holding down buttons "DIMMER" and "STATUS" simultaneously, press the power button to turn on the power.

then press the "STATUS" button to display the information in section 1.3 on the display.

※ The version list is also displayed on GUI while the version is displayed on the display.

1.3. Display Order

Error information (See "1.4. Error display") → ① Model destination information → ② Firmware Package → ③ Main μ-com → ④ DSP ROM → ⑤ Audio PLD → ⑥ GUI SFLASH → ⑦ Ethernet 1st Boot Loader, Hardware ID → ⑧ Ethernet 2nd Boot Loader, Rhapsody Flag → ⑨ Ethernet IMAGE → ⑩ Network MAC ADDRESS information → ⑪ Bluetooth MAC Address information

① Model destination information :

L1	SR5011 \
L2	SN-****
L3	*****

\ : Region (U, N, K, F)

② Firmware Package :

L1	PACKAGE
L2	
L3	****

③ Main μ-com :

L1	MAIN *
L2	%%%#####
L3	BL-***. **

% : Main version, # : Sub version

④ DSP ROM :

L1	DSP
L2	
L3	**_**

⑤ Audio PLD :

L1	A.PLD
L2	
L3	**_**

⑥ GUI SFLASH :

L1	GUI
L2	XYZ****
L3	

X : Model code, Y : Model, Z : Region

⑦ Ethernet 1st Boot Loader, Hardware ID :

L1	NET FBL
L2	*****
L3	---

⑧ Ethernet 2nd Boot Loader, Rhapsody Flag :

L1	NET SBL
L2	*****
L3	*****---

⑨ Ethernet IMAGE :

L1	NET IMG
L2	*****
L3	*****

⑩ Network MAC ADDRESS information :

L1	NET MAC
L2	*****
L3	-----

⑪ Bluetooth MAC ADDRESS information :

L1	BT MAC
L2	*****
L3	-----



1.4. Error display

See the table below for descriptions of the displayed errors and countermeasures for these.

If multiple errors occur, only one item is displayed.

The priority order is ②, ③, ④, ⑤, ⑥, ①.

Condition	States	Display	TROUBLE SHOOTING																														
① Firm Check NG	The model name, brand name and region information written in the firmware are compared to the region settings in the PCB. This error is displayed if the information does not match. ⚠ "▲" is displayed as the first character if the firmware is not correct (see the illustrations on the right).	<table><tr><td>L1</td><td>FIRM</td></tr><tr><td>L2</td><td>ERROR</td></tr><tr><td>L3</td><td></td></tr></table> <table><tr><td>L1</td><td>MAIN▲</td></tr><tr><td>L2</td><td>*****</td></tr><tr><td>L3</td><td>BL-*. **</td></tr></table> <table><tr><td>L1</td><td>DSP▲</td></tr><tr><td>L2</td><td></td></tr><tr><td>L3</td><td>*. **</td></tr></table> <table><tr><td>L1</td><td>A.PLD▲</td></tr><tr><td>L2</td><td></td></tr><tr><td>L3</td><td>*. **</td></tr></table> <table><tr><td>L1</td><td>GUI▲</td></tr><tr><td>L2</td><td></td></tr><tr><td>L3</td><td>*. **</td></tr></table>	L1	FIRM	L2	ERROR	L3		L1	MAIN▲	L2	*****	L3	BL-*. **	L1	DSP▲	L2		L3	*. **	L1	A.PLD▲	L2		L3	*. **	L1	GUI▲	L2		L3	*. **	•Check the resistor for setting the region(R1524 / 1525 HDMI PCB). •Write the firmware for the correct region.
L1	FIRM																																
L2	ERROR																																
L3																																	
L1	MAIN▲																																
L2	*****																																
L3	BL-*. **																																
L1	DSP▲																																
L2																																	
L3	*. **																																
L1	A.PLD▲																																
L2																																	
L3	*. **																																
L1	GUI▲																																
L2																																	
L3	*. **																																
② IP SCALER NG	An error occurs in Loop back Test of the DDR memory which is performed during the initial setting of i/p Scaler(ADV8003). During the initial setting of i/p Scaler (ADV8003) , there is not the reply of the Loop back Test result of the DDR memory .	<table><tr><td>L1</td><td>IP</td></tr><tr><td>L2</td><td>SCALER</td></tr><tr><td>L3</td><td>ERR 01</td></tr></table> <table><tr><td>L3</td><td>ERR 02</td></tr></table>	L1	IP	L2	SCALER	L3	ERR 01	L3	ERR 02	•Check the circuits around the IP SCALER (U1026, HDMI PCB) and DDR2 (U1028/1029). If there appear to be no problems, U1026 or U1028/1029 is faulty.																						
L1	IP																																
L2	SCALER																																
L3	ERR 01																																
L3	ERR 02																																
③ GUI Serial Flash NG	If the Main CPU version is not supported by the GUI Serial Flash (ADV8003). "▼" is displayed as the first character of the GUI firmware version.	<table><tr><td>L1</td><td>GUI VER.▼</td></tr><tr><td>L2</td><td>ERROR</td></tr><tr><td>L3</td><td></td></tr></table>	L1	GUI VER.▼	L2	ERROR	L3		•Check the firmware version.																								
L1	GUI VER.▼																																
L2	ERROR																																
L3																																	

Go to next page.



Condition	States	Display	TROUBLE SHOOTING						
④ DIR NG	This error is displayed if there is no response from the DIR.	<table><tr><td>L1</td><td>DIR</td></tr><tr><td>L2</td><td>ERROR</td></tr><tr><td>L3</td><td>01</td></tr></table>	L1	DIR	L2	ERROR	L3	01	•Check the DIR (U1040, HDMI PCB) and surrounding circuits.
L1	DIR								
L2	ERROR								
L3	01								
⑤ DSP NG	The DSP FLAG0 port does not enter "Hi" status while booting a DSP code even after resetting DSP.	<table><tr><td>L1</td><td>DSP</td></tr><tr><td>L2</td><td>ERROR</td></tr><tr><td>L3</td><td>01</td></tr></table>	L1	DSP	L2	ERROR	L3	01	•Check the DSP (U1073, HDMI PCB) and surrounding circuits.
	L1	DSP							
	L2	ERROR							
	L3	01							
	The DSP FLAG0 port does not enter "Hi" status before issuing a DSP command.	<table><tr><td>L3</td><td>02</td></tr></table>	L3	02					
	L3	02							
Setting WRITE to "Lo" does not set ACK to "Hi" during DSP data reading.	<table><tr><td>L3</td><td>03</td></tr></table>	L3	03						
L3	03								
Setting REQ to "Lo" does not set ACK to "Lo" during DSP data reading.	<table><tr><td>L3</td><td>04</td></tr></table>	L3	04						
L3	04								
Setting WRITE to "Hi" does not set ACK to "Hi" during DSP data writing.	<table><tr><td>L3</td><td>05</td></tr></table>	L3	05						
L3	05								
Setting REQ to "Lo" does not set ACK to "Lo" during DSP data writing.	<table><tr><td>L3</td><td>06</td></tr></table>	L3	06						
L3	06								
⑥ EEPROM NG	An error occurred in a checksum of the EEPROM(*** is a block address number).	<table><tr><td>L1</td><td>BACKUP</td></tr><tr><td>L2</td><td>ERROR</td></tr><tr><td>L3</td><td>***</td></tr></table>	L1	BACKUP	L2	ERROR	L3	***	
L1	BACKUP								
L2	ERROR								
L3	***								

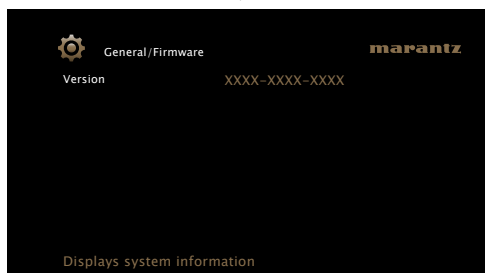


1.5. Version Display in the Setup Menu

Follow the steps below to display the firmware information.

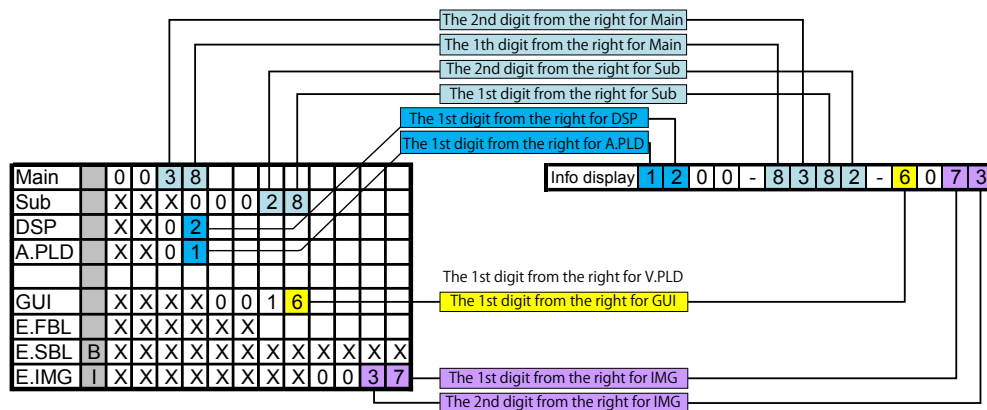
- (1) Press the **"SETUP"** button on the remote control.
- (2) Select **"General - Information - Firmware"**.

The version information is displayed as a 12-digit number as shown in the screenshot below.



GUI Image

This 12-digit number comprises a part of the version number of each device and module. These version numbers correspond to the 12-digit number as shown below.



※ The firmware version numbers and this 12-digit version information are written in the Service Information.

2. PANEL / REMOTE LOCK Selection Mode

2.1. Actions

Switch the PANEL LOCK and REMOTE LOCK modes between on and off.

2.2. Starting up

While holding down buttons "**M-DAX**" and "**DIMMER**" simultaneously, press the power button to turn on the power.

Select the desired mode using the "**TUNER PRESET CH+**" button, then press the "**STATUS**" button to confirm.

2.3. Displaying and Selecting Each Mode

The information shown on the display switches each time the "**TUNER PRESET CH+**" button is pressed.

Press the "**STATUS**" button to set the currently displayed mode and restart the device.

The setting with "*" is selected for each mode.

①

L1	P/V LOCK
L2	*On
L3	

The buttons on the unit and the master volume knob does not function.



②

L1	FP LOCK
L2	On
L3	

The buttons on the unit does not function.



③

L1	FP LOCK
L2	Off
L3	

The PANEL LOCK mode is turned off.



④

L1	RC LOCK
L2	On
L3	

The device cannot be operated by the remote control.



⑤

L1	RC LOCK
L2	*Off
L3	

The REMOTE LOCK mode is turned off.



3-1. Selecting the Mode for Service-related

3-1.1. Actions

Select diagnostic mode (service path check mode), protection history display mode, or 232C standby clear mode.

3-1.2. Starting up

While holding down buttons **"ZONE2 SOURCE"** and **"STATUS"** simultaneously, press the power button to turn on the power.

Select the desired mode using the **"TUNER PRESET CH+"** button, then press the **"STATUS"** button to confirm.

3-1.3. Displaying and Selecting Each Mode

The information shown on the display switches each time the **"TUNER PRESET CH+"** button is pressed.

Press the **"STATUS"** button to set the currently displayed mode and restart the device.

①

L1	1SERVICE
L2	CHECK
L3	

Service Path Check Mode : See ["DIAGNOSTIC MODE"](#)

The Video and Audio paths can be checked.

This function is convenient for confirming problem paths in the product and checking the paths after repairing.

②

L1	2PROTECT
L2	
L3	

The protection history can be checked.

③

L1	3R5232C
L2	RESET
L3	

Switches from 232C standby mode to normal standby mode.

④

L1	40P INFO
L2	
L3	

Operation Info for the unit can be checked.

⑤

L1	5TUNER
L2	FREQ
L3	

Enables reception STEP of the ANALOG TUNER to be changed.

3-1.4. Canceling the selected mode

Press the power button to turn off the power.



3-2. Protection History Display Mode

3-2.1. Actions

This mode enables the unit to record and display the event when the THERMAL, ASO or DC protection is activated.

If protections have been activated multiple times, the latest protection operation is recorded.

3-2.2. Starting up

While holding down buttons "**ZONE2 SOURCE**" and "**STATUS**" simultaneously, press the power button to turn on the power.

Select the "**2. PROTECTION**" using the "**TUNER PRESET CH +/-**" button, then press the "**STATUS**" button then to confirm.

3-2.3. Protection information and displays

- Press the "**STATUS**" button in Protection History Display Mode.
- The protection history can be checked.

(a) If no protections has occurred.

L1	PROTECT
L2	HISTORY
L3	: NO

(b) ASO (if the last protection is ASO)

L3	: ASO
----	-------

Cause A short circuit occurred between the speaker terminals, or speakers with an impedance outside the rating were connected.

Note : Short circuits in speaker terminals or speakers can be identified.

If the power is turned on in the abnormal state, protection is activated after around 6 seconds and the power is turned off.

(c) DC (if the last protection is DC)

L3	: DC
----	------

Cause : DC output of the power amplifier is abnormal.

If the power is turned on in the abnormal state, protection is activated after around 6 seconds and the power is turned off.

(d) THERMAL (if the last protection is THERMAL(A) or THERMAL(B) or THERMAL(E))

L3	: THM A
----	---------

L3	: THM B
----	---------

L3	: THM E
----	---------

Cause : Abnormal heat sink temperature.

If the power is turned on under abnormal conditions, the protection function works immediately and the power is turned off.

(e) Case of CURRENT (when the last protection incident is CURRENT protection)

L3	: CURRENT
----	-----------

Cause : An over current flowed in power amp.

If the power is turned on in the abnormal state, protection is activated after around 90 seconds and the power is turned off.

Caution : These protections may also be activated due to other factors such as disconnection of connectors or operations around the microcomputer.

After viewing the above protection history, press the "**STATUS**" button to return to the normal display.



3-2.4. Clearing the Protection History

There are two ways to clear the protection history.

- (a) Activate Protection History Display Mode. Press the "**STATUS**" button to display the protection history. Press and hold the "**DIMMER**" button for 3 seconds.

L1	PROTECT
L2	HISTORY
L3	=DC

Press and hold the "**DIMMER**" button for 3 seconds.



L3	CLEAR
----	-------

The above message is displayed and the protection history is cleared.



L3	=NO
----	-----

- (b) Initialize this unit. (See "[Initializing This Unit](#)")

※ Use the method in 3-2.4. (a) if you do not want to erase your settings from this unit.

Warning Displays by POWER LED

If the power is turned Off while a protection is being detected, the POWER LED flashes in red to warn you depending on the protection status as follows.

- (a) ASO/DC protection: Flashes at 0.5-second intervals (0.25 seconds lit, 0.25 seconds unlit)
(b) THERMAL (A/B) protection: Flashes at 2-second intervals (1 seconds lit, 1 seconds unlit)

3-3. 232C Standby Clear Mode

3-3.1. Actions

Switches from 232C standby mode to normal standby mode.

3-3.2. Starting up

2. While holding down buttons "**ZONE2 SOURCE**", "**DIMMER**" and "**STATUS**" simultaneously, press the power button to turn on the power.

Select the "**3.RS232C RESET**" using the "**TUNER PRESET CH+**" button, then press the "**STATUS**" button then to confirm.

L1	3.RS232C
L2	RESET
L3	



3-4. Operation Info Mode

3-3.1. Actions

This mode enables the unit to display the accumulated operating time, power On count and each protection count.

3-3.2. Starting up

While holding down buttons "ZONE2 SOURCE" and "STATUS" simultaneously, press the power button to turn on the power.

Select the "4. OP INFO" using the "TUNER PRESET CH+ / -" button, then press the "STATUS" button to confirm.

3-3.3. Operations

Press the "STATUS" button after starting up this device in Operation Info mode. The following information is displayed in the following order.

(a) Accumulated operating time

L1	Operate
L2	Time:
L3	_____H

↑ Time display
↓ "STATUS"

(b) Power On count

L1	Power On
L2	Time:
L3	_____

↑ Count display
↓ "STATUS"

(c) DC / ASO Protection count

L1	Protect
L2	DC : ____
L3	ASO: ____

↓ "STATUS"

(d) Thermal Protection (A/B/E) count

L1	Protect
L2	TH A: ____
L3	TH B: ____

L2	TH E: ____
L3	

↓ "STATUS"

(e) Current Protection count

L1	Protect
L2	CURRENT:
L3	_____

↓ "STATUS"

(Returns to normal display)



3-5. TUNER STEP mode (U / N only)

3-4.1. Actions

This is a special mode for enabling reception STEP of the ANALOG TUNER to be changed.

3-4.2. Starting up

While holding down buttons "**ZONE2 SOURCE**" and "**STATUS**" simultaneously, press the power button to turn on the power.

Select the "**5. TUNER FRQ SET**" using the "**TUNER PRESET CH +/-**" button, then press the "**STATUS**" button then to confirm.

3-4.3. Displays

Start up this unit in TUNER STEP mode, select the desired option using the "**TUNER PRESET CH +/-**" button, then enter using the "**STATUS**" button.

The following information is displayed in the following order.

(a) AM9 kHz / FM50 kHz is selected

L1	TunerFRQ
L2	AM9/
L3	FM50

"TUNER PRESET CH +" ↓ ↑ "TUNER PRESET CH -"

(b) AM10 kHz / FM200 kHz is selected

L1	TunerFRQ
L2	AM10/
L3	FM200

↓ "STATUS"

(c) Press the power button to turn off the power.

(d) Press the power button to turn on the power.

4. Protection Pass Mode

4.1. Actions

- This mode allows the power to be turned on without activating protections.
- This mode functions in the same way as normal power-on, except that protections are not activated.

4.2. Operations

While holding down buttons "**DIMMER**", "**STATUS**" and "**SOUND MODE**" simultaneously, press the power button to turn on the power.

The device returns to the normal display message after the following is displayed.

L1	Protect
L2	Pass
L3	

This is displayed for 5 seconds before returning to the normal display.

5. CY920 Reboot Mode

5.1. Actions

- The CY920 is restarted after CY920 hang up.
- The CY920 can be restarted even in the network standby setting.
("Setup menu" – "Network" – "IP Control" – "Always On")

5.2. Operations

- (1) Turn the "**MAIN ZONE**" button On and set the input source to NETWORK.
- (2) While the power is On, hold down buttons "**TUNER PRESET CH +**" and "**STATUS**" for at least 3 seconds.

Display during CY920 reboot

L1	Network
L2	Restart
L3	

- (4) Returns to the normal display.

NOTE :

- After rebooting CY920, the same operation is not accepted for 1 minute.
- Reception is prohibited during update, save and load.

6. CY920 Initialization Mode

6.1. Actions

The following items are initialized.

- (1) Favorites
- (2) Quick Select
- (3) Presets
- (4) Internet Radio Recently Played
- (5) Flickr contacts
- (6) User ID
- (7) Resume Playback station

6.2. Operations

While the power is on, hold down buttons "**TUNER PRESET CH -**" and "**DIMMER**" for at least 3 seconds.

Initializing Display

L1	Initial
L2	Wait
L3	
L2	Wait.
L2	Wait..
L2	Wait...

Complete Display

L1	Complete
L2	
L3	

This is displayed for 5 seconds before returning to the normal display.

Failed Display

L1	Failed
L2	
L3	



7. Clearing the Operation Info

7.1. Actions

- Displays the accumulated operating time of the unit, the number of times the power was switched on, and the number of occurrences of each protection.

7.2. Operations

Remove all input/output terminals and the AC plug.

Connect the AC plug again and place the product in standby mode.

While holding down buttons "**DIMMER**" and "**INTERNET RADIO**" simultaneously, press the power button to turn on the power.

L1	PRODUCT
L2	MODE
L3	

When "**PRODUCT MODE**" appears on the display, release the button and press the "**power**" button and "**ZONE2 ON/OFF**" to place the product in standby mode.

Service Path Check Mode

1.1. Actions

This function is convenient for confirming problem paths in the product and checking the paths after repairing.
The Video and Audio paths can be checked.
The backup data is not rewritten.

1.2. Starting up

While holding down buttons "ZONE2 SOURCE" and "STATUS" simultaneously, press the power button to turn on the power.
Select the "1. SERVICE CHECK" using the "TUNER PRESET CH+" button, then press the "STATUS" button then to confirm.
The "TUNED", "STEREO" and "RDS" segments are lit in this mode.

1.3. Canceling diagnostic mode

Press the power button to turn off the power.

1.4. Selecting items to check

Press the ① button to switch between video items and audio items.
Press the ② or ③ button to select the previous or next item.

Actions	The unit			Remote control unit		
	①	②	③	①	②	③
	Audio ⇄ Video	PREVIOUS	NEXT	Audio ⇄ Video	PREVIOUS	NEXT
Button	DIMMER	TUNER PRESET CH-	TUNER PRESET CH+	SLEEP	CURSOR ◀	CURSOR ▶

1.5. Audio system confirmation items

See the block diagram fig.XXth.

Paths to be confirmed		Display	Settings	What to confirm
1	Analog	fig.01 A01ANLG ***. *dB	Input Source : CBL/SAT Input Mode : Analog (fixed) Sound mode : DIRECT Amp assign : Surround Back MAIN ZONE : On ZONE2 : Off	• Analog input ⇒ Speaker output (Front L/R) (※ The input source can be switched to any source except CBL/SAT.)
2	DIGITAL (MAIN)	fig.02a fig.02b A2DIG. ***. *dB	Input Source : CBL/SAT Input Mode : DIGITAL (fixed) Sound mode : MULTI CH STEREO Amp assign : Surround Back Speaker Config ALL Speaker = Small / SW = Yes(2ch) MAIN ZONE : On ZONE2 : Off	• Digital input ⇒ Speaker output (Front L/R, Center, Surround L/R, Surround Back L/R) • Digital input ⇒ Pre output (Front L/R, Center, Surround L/R, Surround Back L/R, Subwoofer) (※ The input source can be switched to any source except CBL/SAT.)
3	DIGITAL (ZONE2)	fig.03a fig.03b A03Z2DIG ***. *dB	Input Source : NETWORK Input Mode : Auto Sound mode : STEREO Amp assign : ZONE2 MAIN ZONE : On ZONE2 : On	• Digital(PCM) input ⇒ Speaker output (Surround Back (ZONE2) L/R) • Digital(PCM) input ⇒ Pre OUT output (ZONE2 L/R)

Paths to be confirmed			Display	Settings	What to confirm
4	HDMI	fig.04a fig.04b	A05HDMI ***, *dB	Input Source : CBL/SAT Input Mode : HDMI (fixed) Sound mode : STEREO Amp assign : Surround Back MAIN ZONE : On ZONE2 : Off	• HDMI input ⇒ Speaker output (Front L/R) (※ The input source can be switched to any source except CBL/SAT.)
5	Analog AD (MAIN)	fig.05a fig.05b	A06AD ***, *dB	Input Source : CBL/SAT Input Mode : Analog (fixed) Sound mode : MULTI CH STEREO Vol 60dB Amp assign : Surround Back Speaker Config ALL Speaker = Small/SW = Yes(2ch) MAIN ZONE : On ZONE2 : Off	• Analog input ⇒ Speaker output (Front L/R, Center, Surround L/R, Surround Back L/R) • Analog input ⇒ Speaker output, SW(20Hz) (Front L/R, Center, Surround L/R, Surround Back L/R, Subwoofer) (※ The input source can be switched to any source except CBL/SAT.) (※ Volume 60 is the value when Absolute settings are used. The value is -20 when Relative settings are used)
6	Analog Amp Assign (Amp Assign : ZONE2)	fig.06	A07Z2ASS ***, *dB	Input Source : CBL/SAT Input Mode : Auto Sound mode : STEREO Z2 Source : Source Vol 60dB Amp assign : ZONE2 MAIN ZONE : On ZONE2 : On	• Analog input ⇒ Speaker output (Surround Back (ZONE2) L/R) • Analog input ⇒ Pre OUT output (ZONE2 L/R) (※ The input source can be switched to any source except CBL/SAT.) (※ Volume 60 is the value when Absolute settings are used. The value is -20 when Relative settings are used)

1.6. Confirmation items for the video system

See the block diagram fig.XXth.

Paths to be confirmed			Display	Settings	What to confirm
1	Analog Video pass	fig.07	V01VIDEO ***, *dB	Input Source : CBL/SAT Video Conversion (IP Scaler) : OFF, All sources MAIN ZONE : On ZONE2 : On	• CVBS input ⇒ CVBS output • Component input ⇒ Component output (※ The input source can be switched to any source except CBL/SAT.)
2	Video Convert (Analog or HDMI ⇒ HDMI)	fig.08	V02CONV ***, *dB	Input Source : CBL/SAT Video Conversion (IP Scaler) : ON, All sources IP Scaler : "Analog & HDMI", All sources Resolution : "Auto", All sources MAIN ZONE : On ZONE2 : Off	• CVBS input ⇒ IP Scaler ⇒ HDMI output. • Component input ⇒ IP Scaler ⇒ HDMI output. • HDMI input ⇒ IP Scaler ⇒ HDMI output. • ETHERNET input ⇒ IP Scaler ⇒ HDMI output. (※ The input source can be switched to any source except CBL/SAT.)
3	HDMI pass (MAIN ZONE)	fig.09	V03HDMI ***, *dB	Input Source : CBL/SAT Video Conversion (IP Scaler) : OFF, All sources MAIN ZONE : On ZONE2 : Off	• HDMI input (MAIN function) ⇒ HDMI output (MAIN) (※ The input source can be switched to any source except CBL/SAT.)
4	HDMI CEC (Control Monitor : HDMI Monitor1)	fig.10	V04CEC ***, *dB	Input Source : CBL/SAT HDMI Control : On Control Monitor : Monitor1 (if checking the HDMI Monitor Out1) MAIN ZONE : On ZONE2 : Off	• When the power supply of a TV is put in the standby mode, make sure that the power supply of this unit is also put in the standby mode. (※ The input source can be switched to any source except CBL/SAT.) • The ARC path can also be checked (check this using the TV input source).



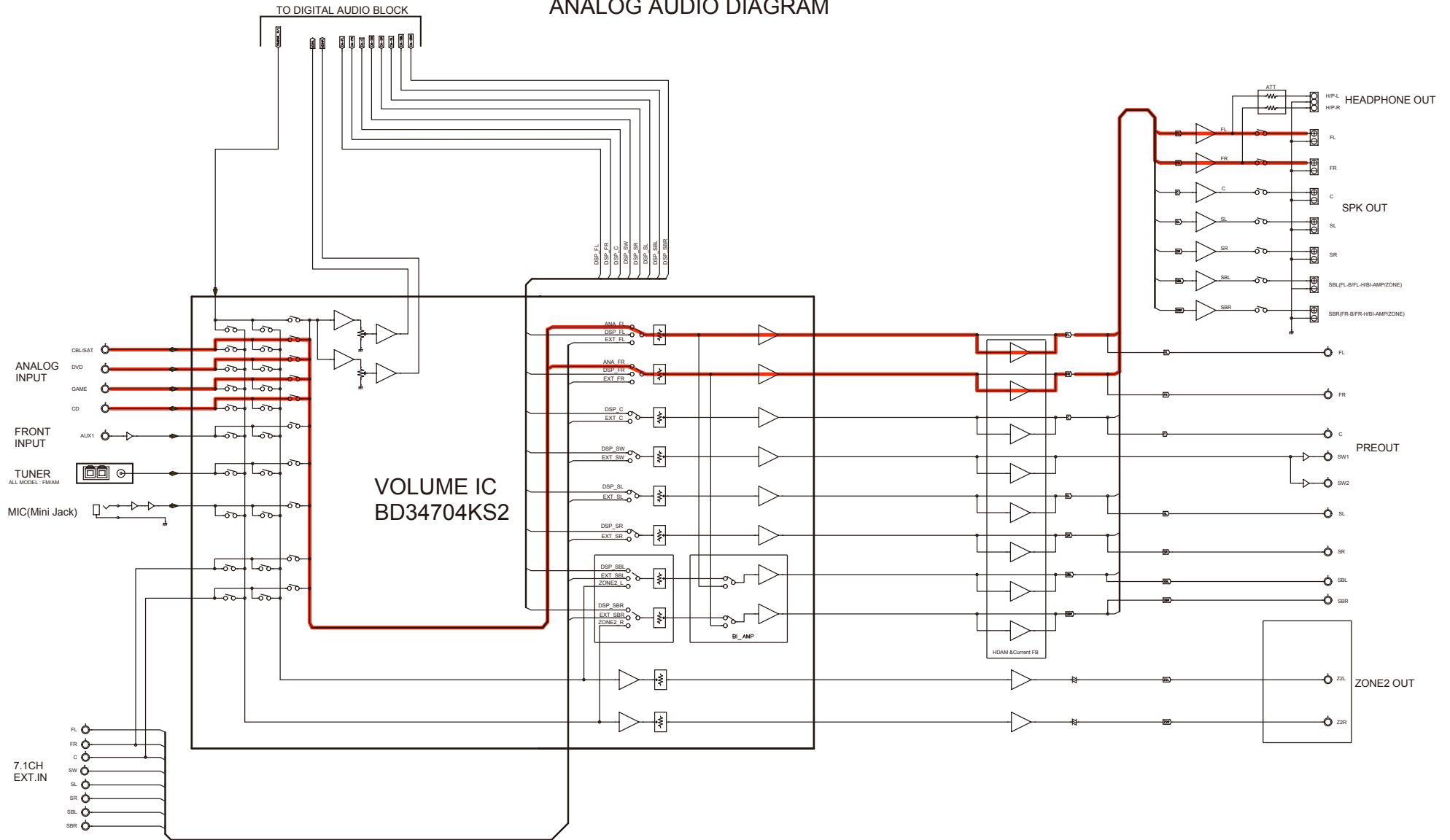
Paths to be confirmed			Display	Settings	What to confirm
5	HDMI Audio (Audio : AVR)	fig.11a fig.11b	U05H-AVR ***.*dB	Input Source : CBL/SAT HDMI Control : Off HDMI Audio : AVR (if checking the audio output from AVR)	• HDMI input (PCM, DolbyDigital, DTS) ⇒ Speaker output. • HDMI input(HD audio) ⇒ Speaker output. (※ The input source can be switched to any source except CBL/SAT.)
6	HDMI Audio (Audio : TV)	fig.12	U06H-TV ***.*dB	HDMI Audio : TV (if checking the audio output from TV)	• HDMI input (PCM , DolbyDigital , DTS) ⇒ HDMI output (audio output from connected TV) (※ The input source can be switched to any source except CBL/SAT.)
7	GUI	fig.13	U07MENU ***.*dB	Input Source : CBL/SAT Video Conversion (IP Scaler) : ON, All sources IP Scaler : "Analog & HDMI", All sources Resolution : "AUTO", All sources Setup Menu : On MAIN ZONE : On ZONE2 : Off	• GUI display ⇒ HDMI output. (※ The input source can be switched to any source except CBL/SAT.)



DIAGNOSTIC PATH DIAGRAM

fig.01

ANALOG AUDIO DIAGRAM



Caution in
servicing

Electrical

Mechanical

Repair Information

Updating

fig.02a

DIGITAL AUDIO DIAGRAM

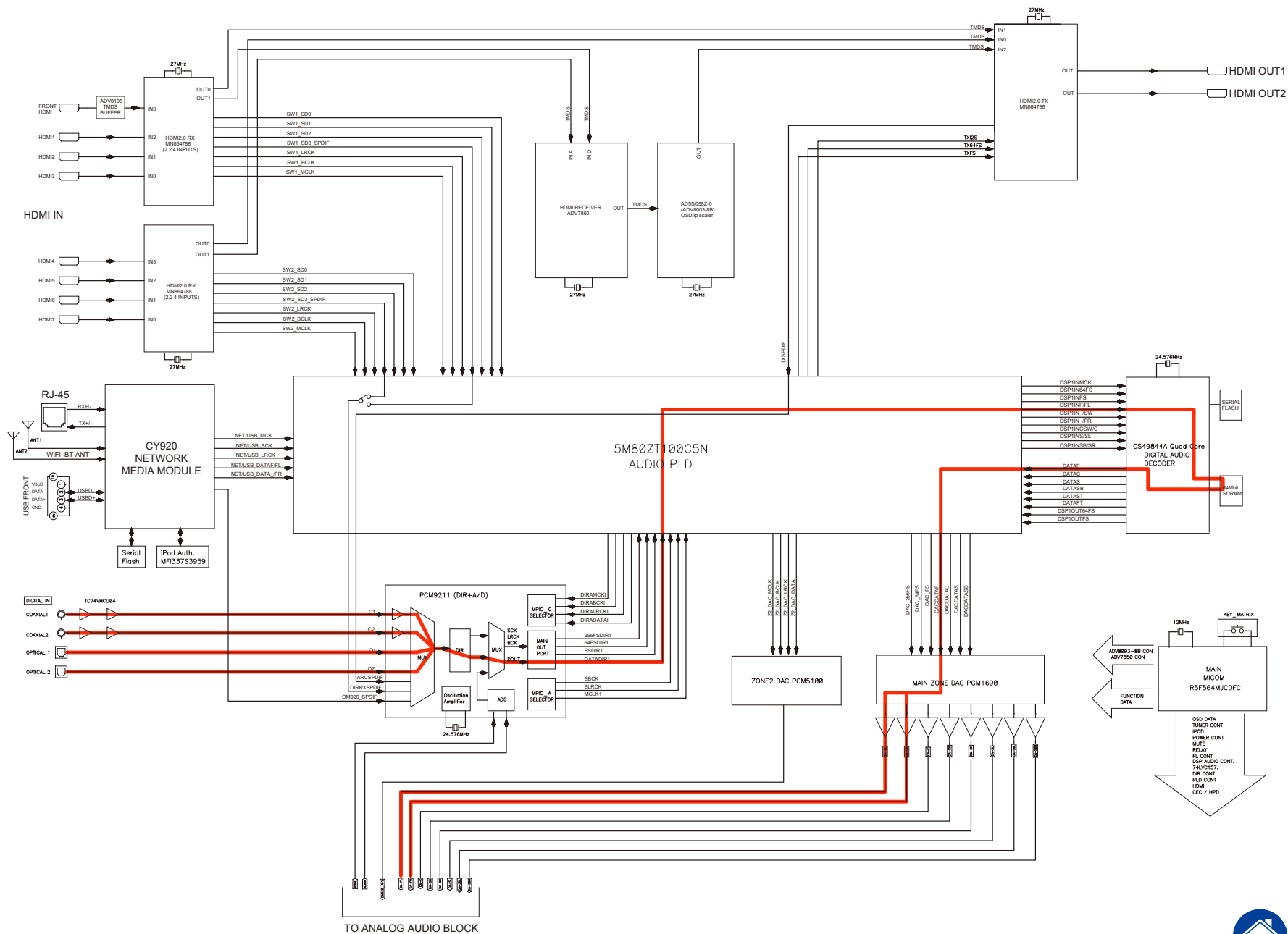


fig.02b

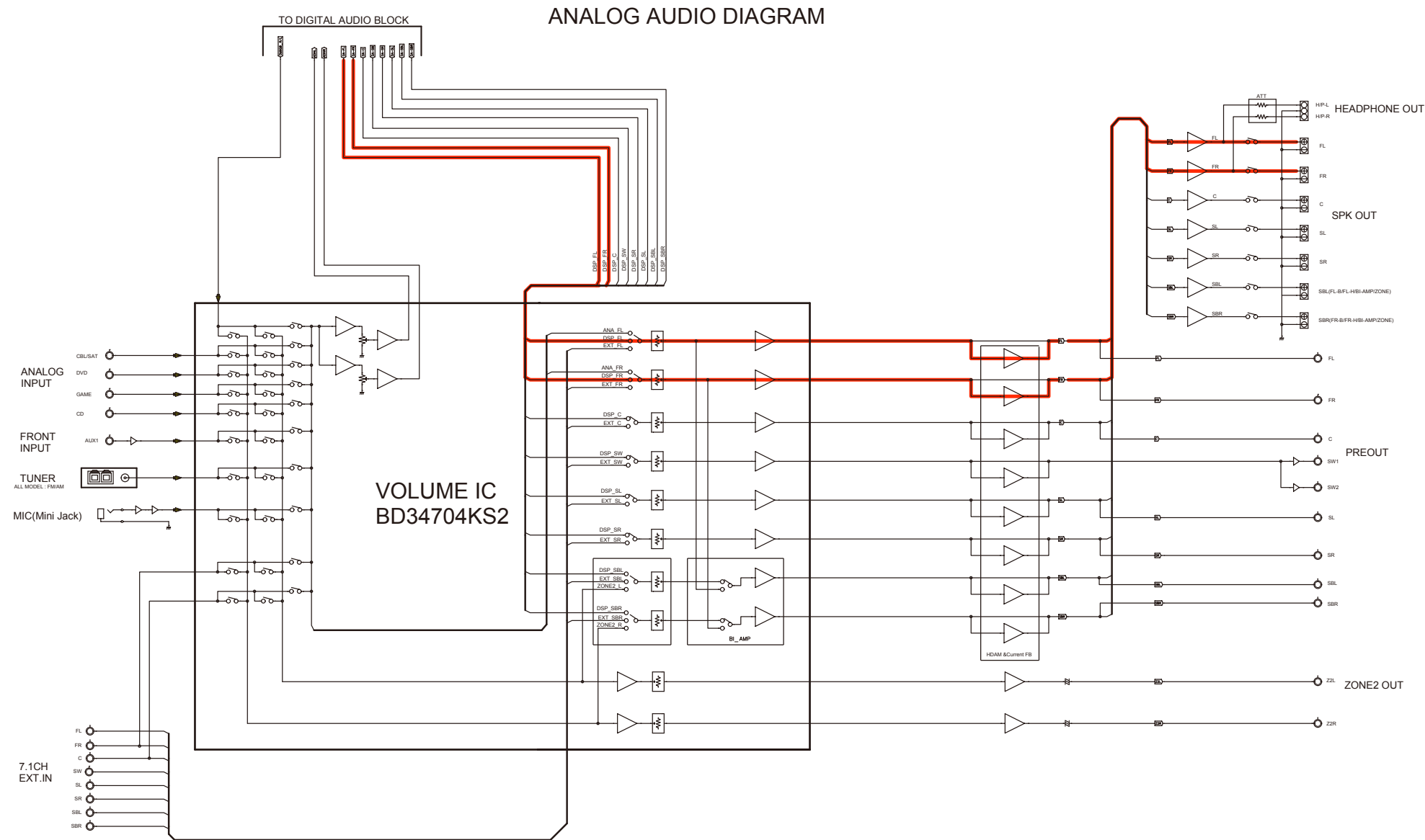
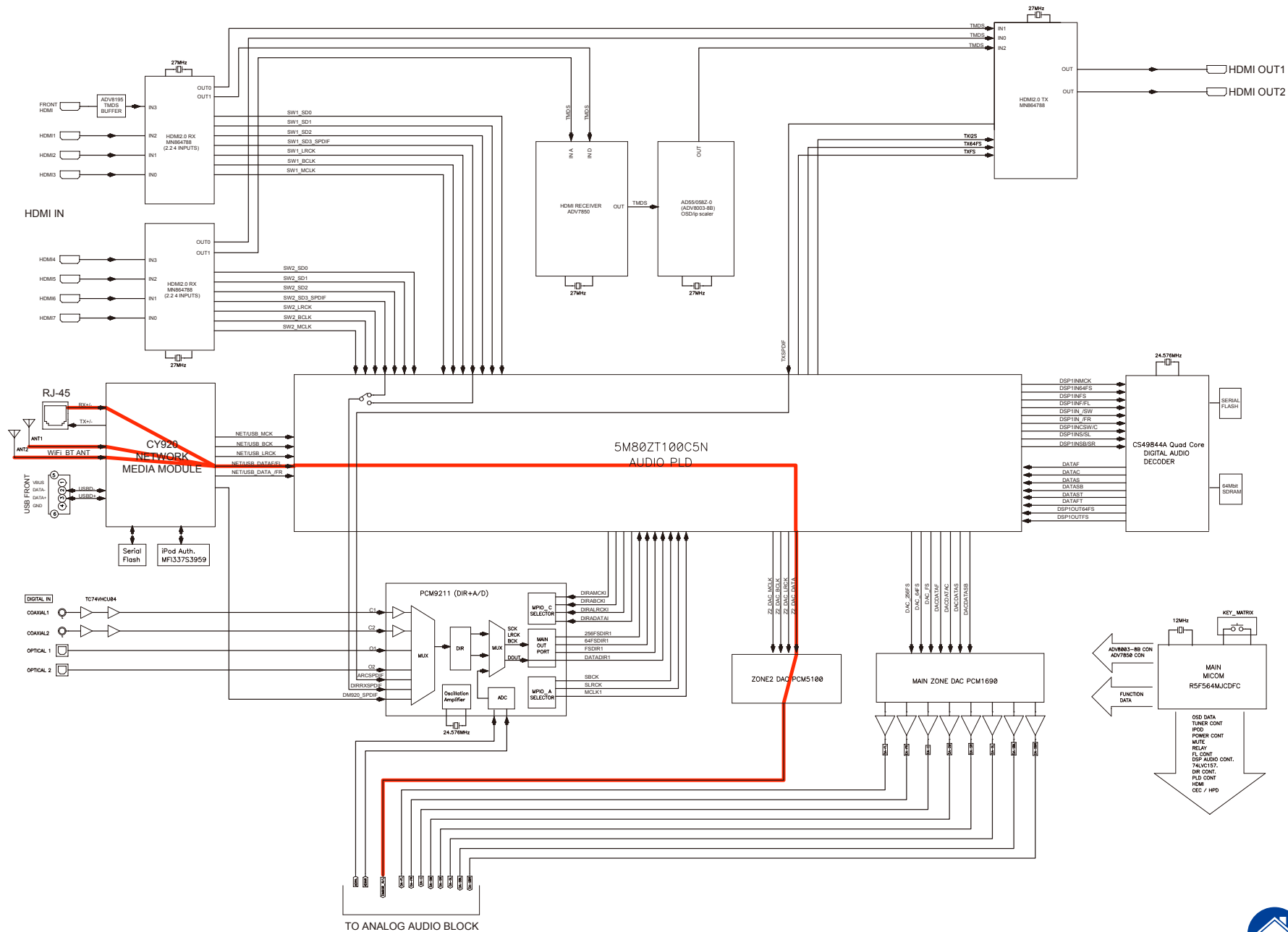


fig.03a

DIGITAL AUDIO DIAGRAM



TO ANALOG AUDIO BLOCK



fig.03b

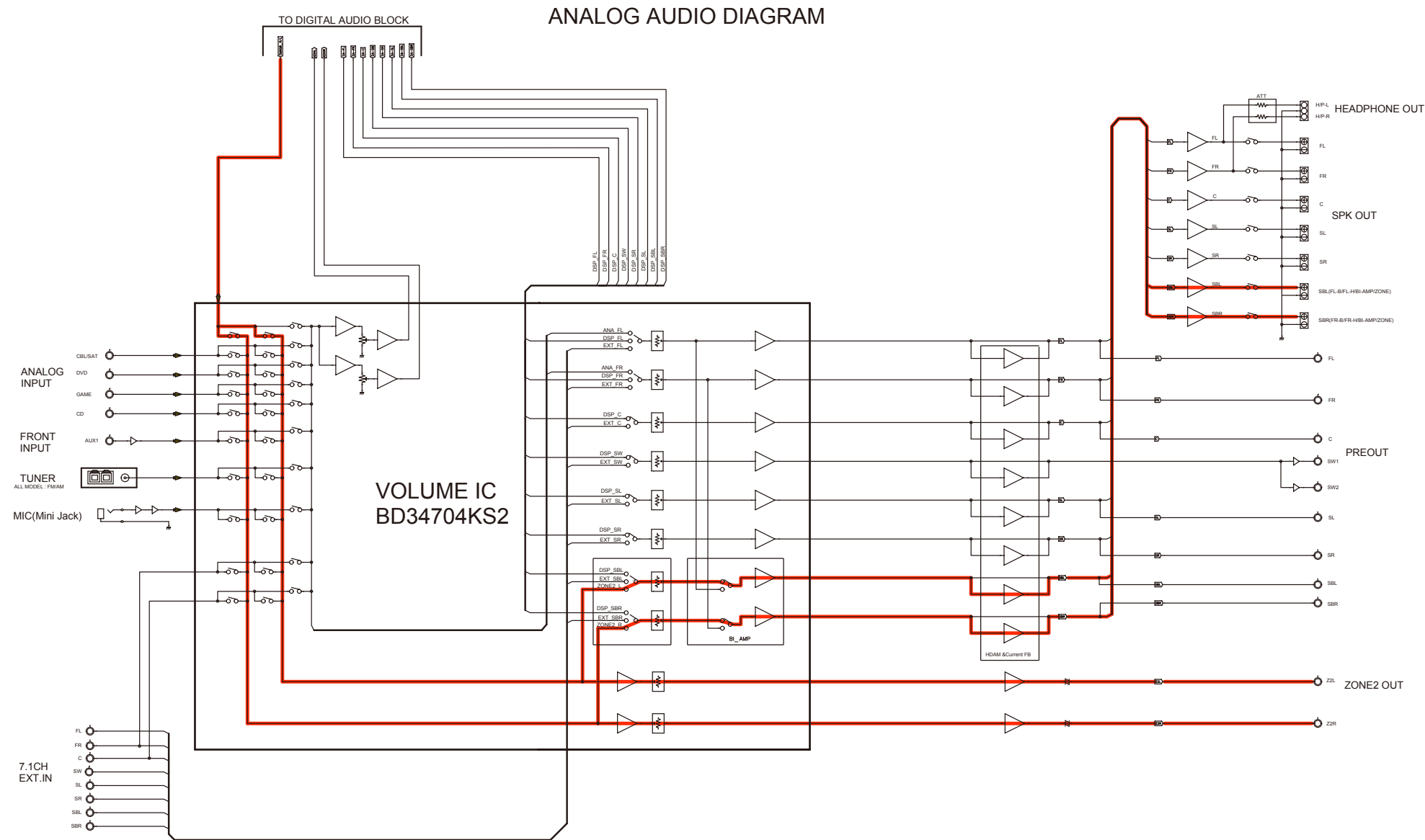
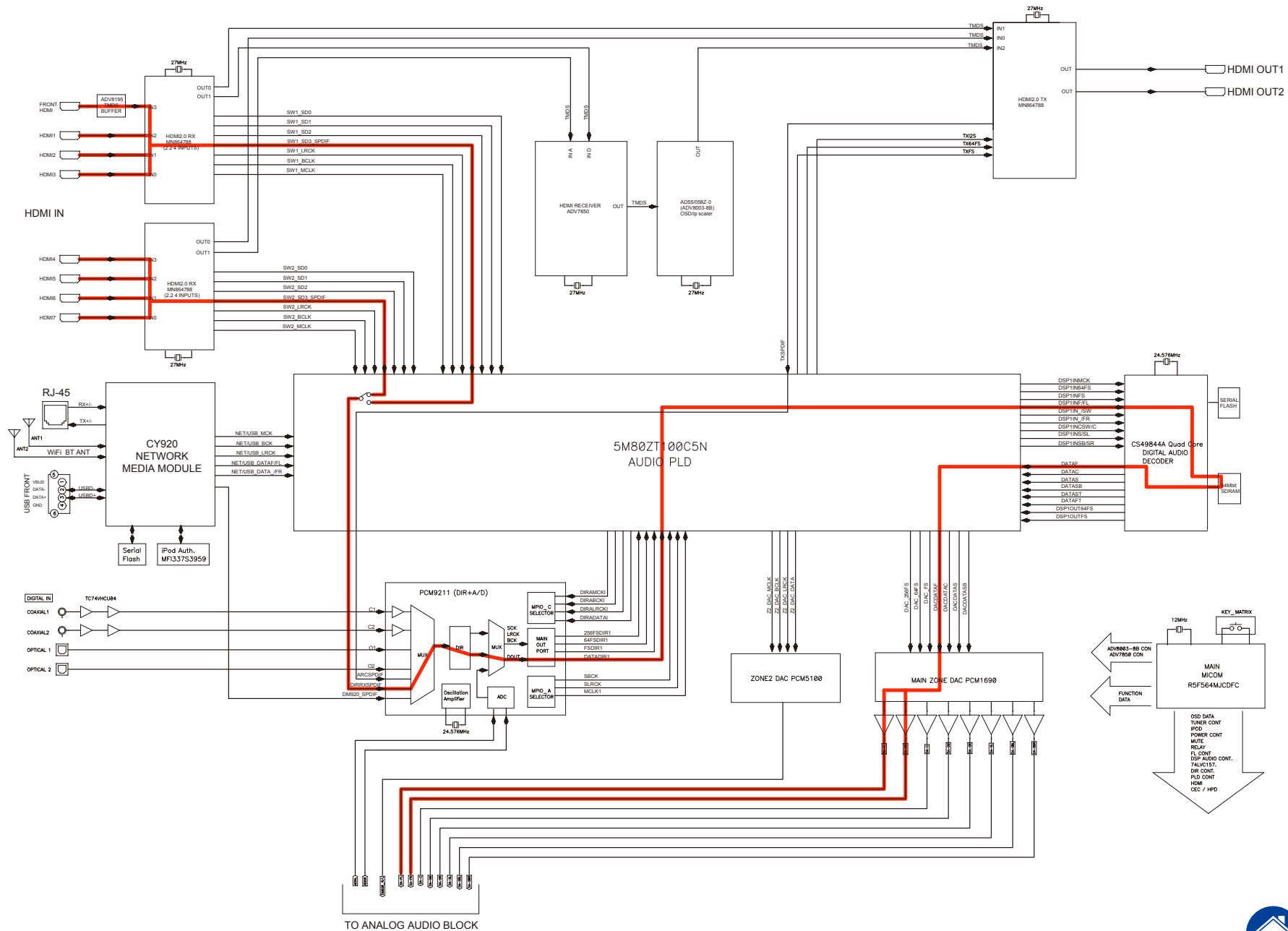


fig.04a

DIGITAL AUDIO DIAGRAM



TO ANALOG AUDIO BLOCK



fig.04b

ANALOG AUDIO DIAGRAM

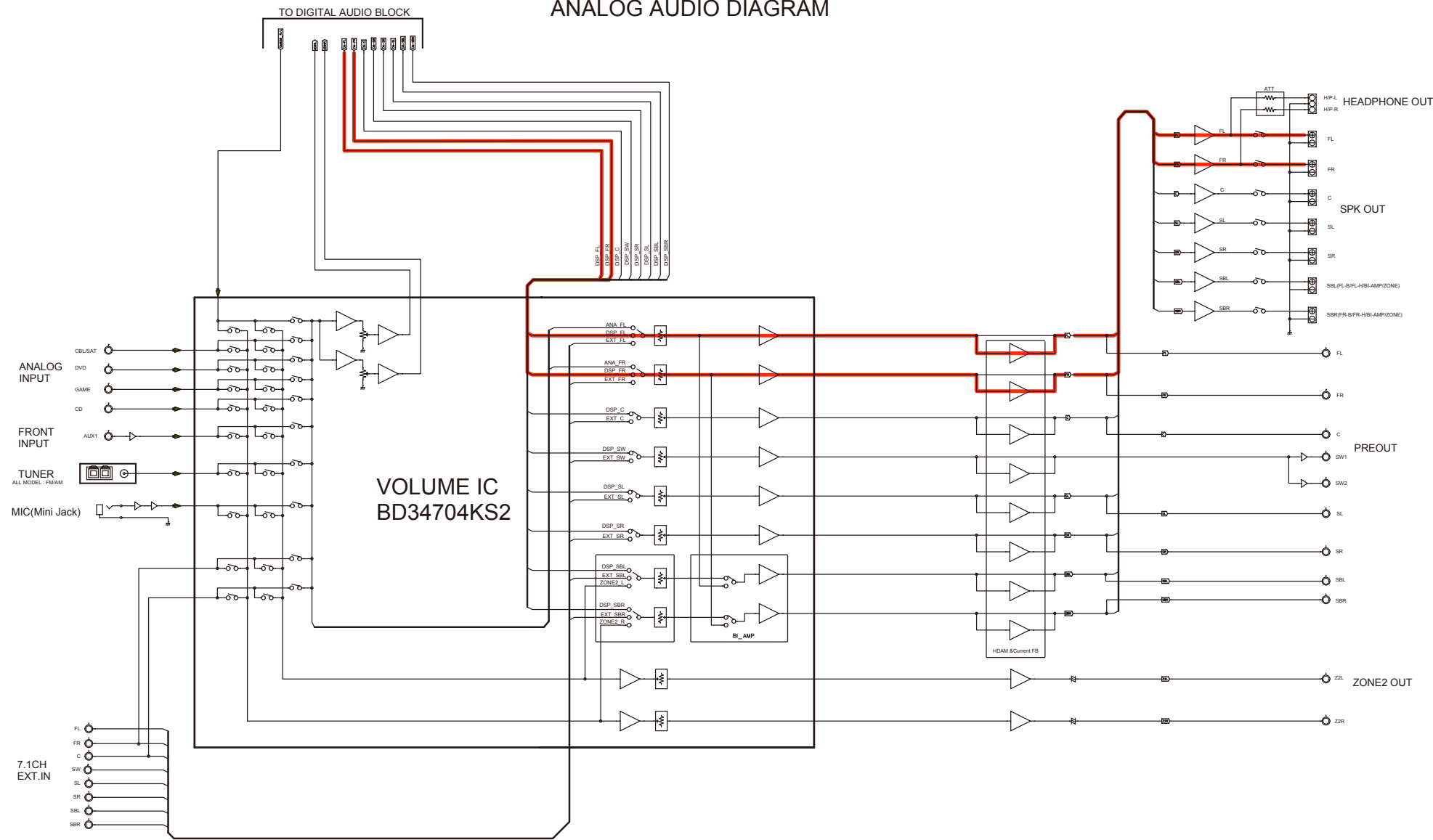


fig.05a

DIGITAL AUDIO DIAGRAM

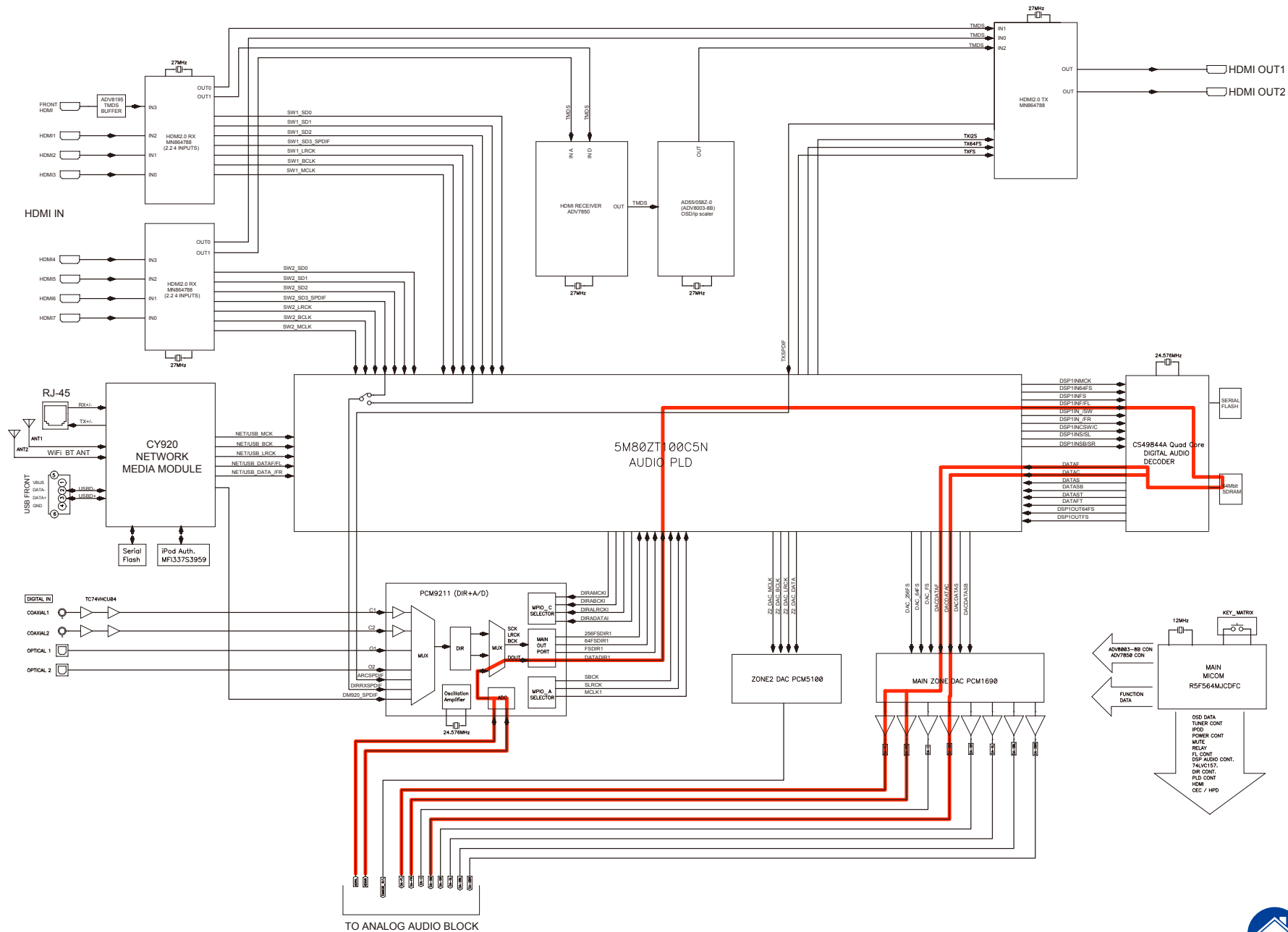


fig.05b

ANALOG AUDIO DIAGRAM

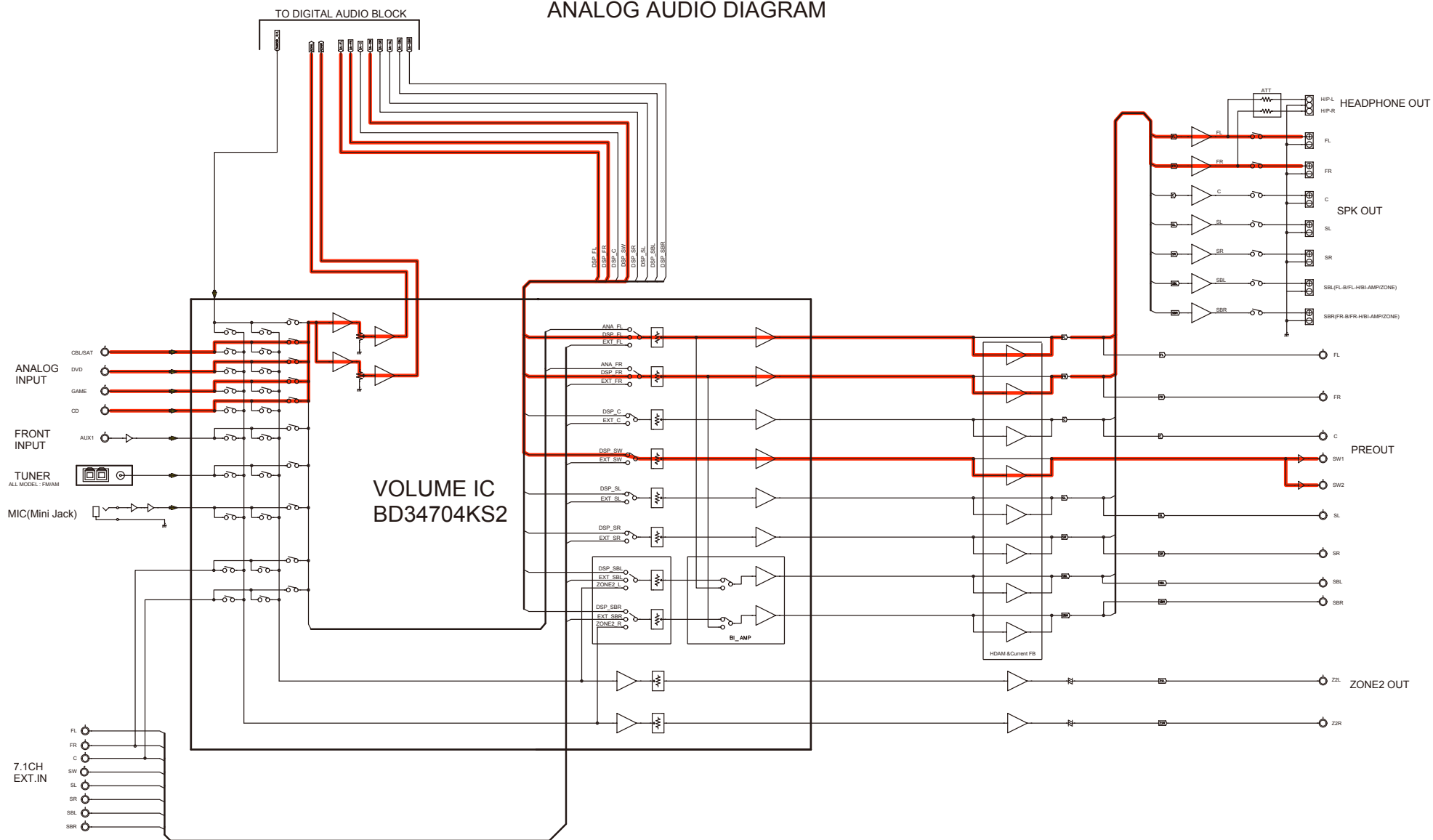


fig.06

ANALOG AUDIO DIAGRAM

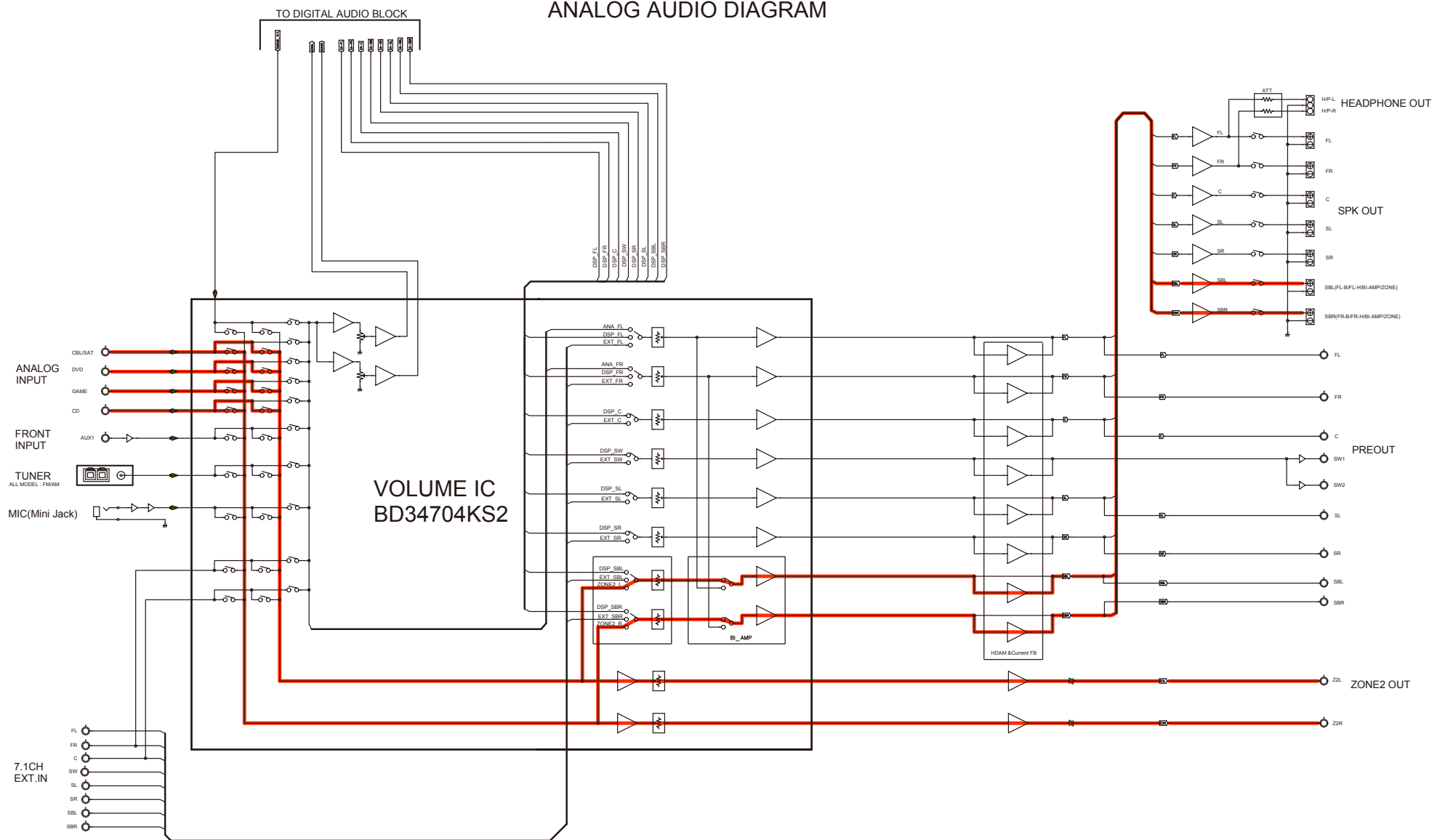


fig.07

VIDEO DIAGRAM

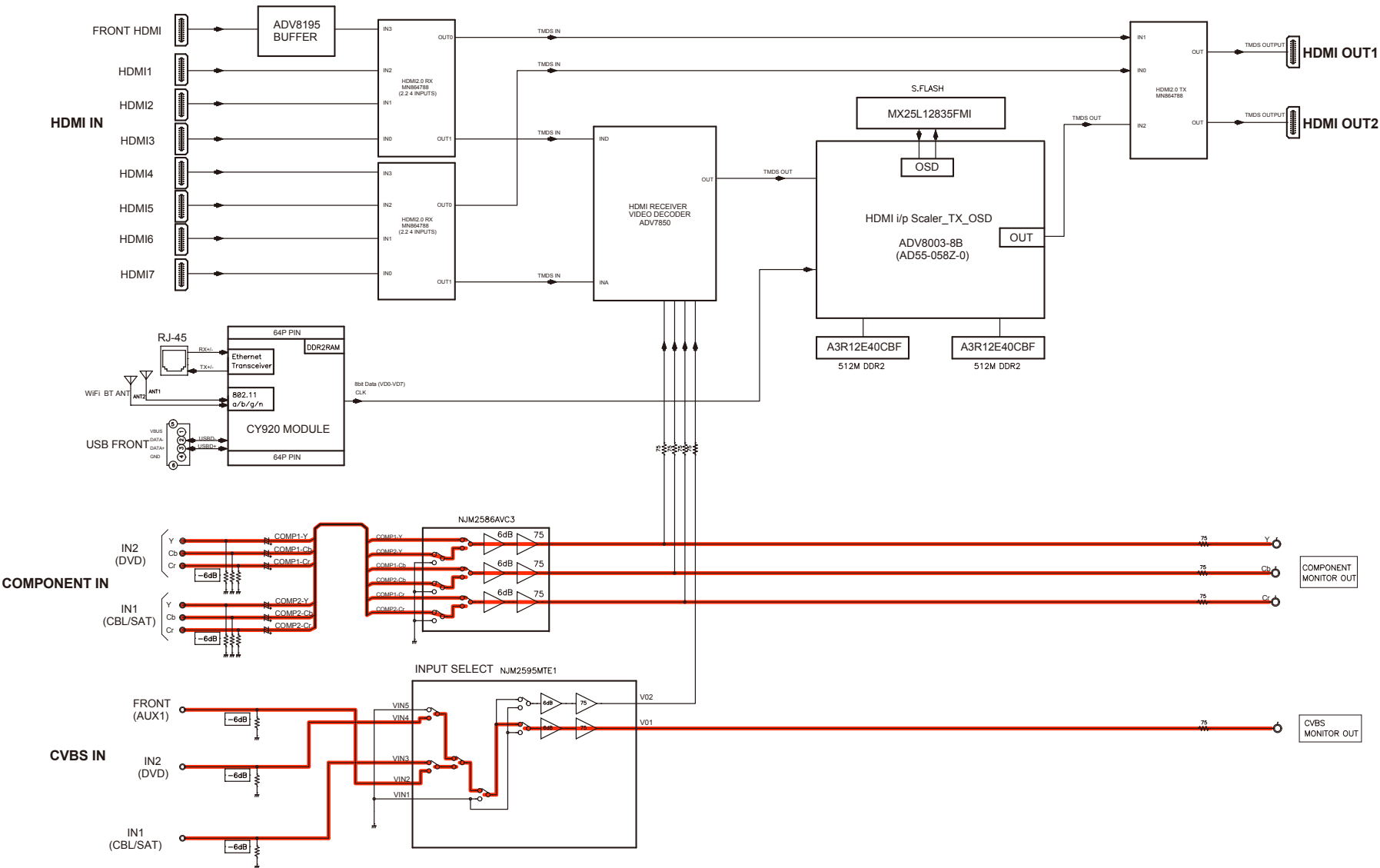


fig.08

VIDEO DIAGRAM

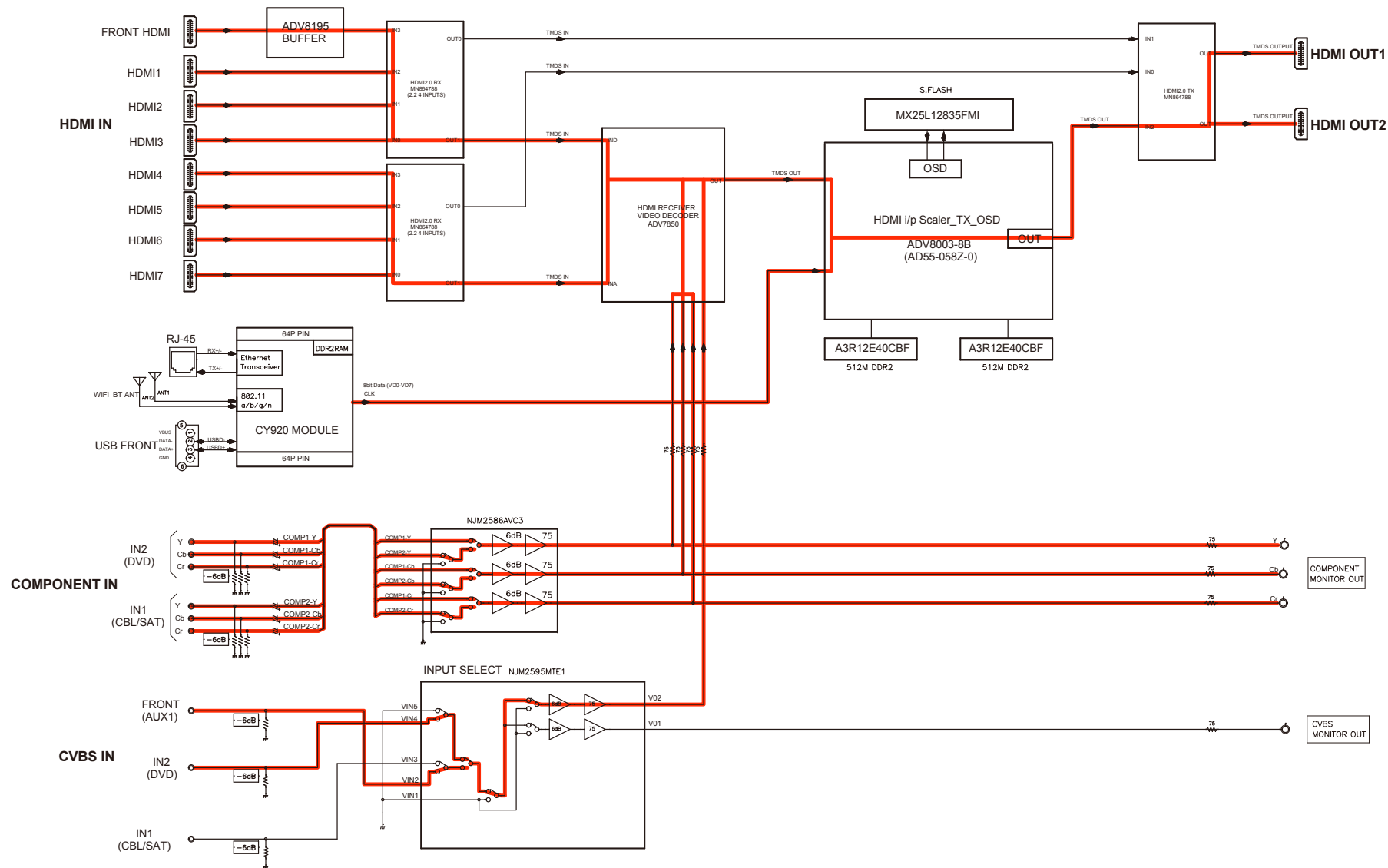


fig.09

VIDEO DIAGRAM

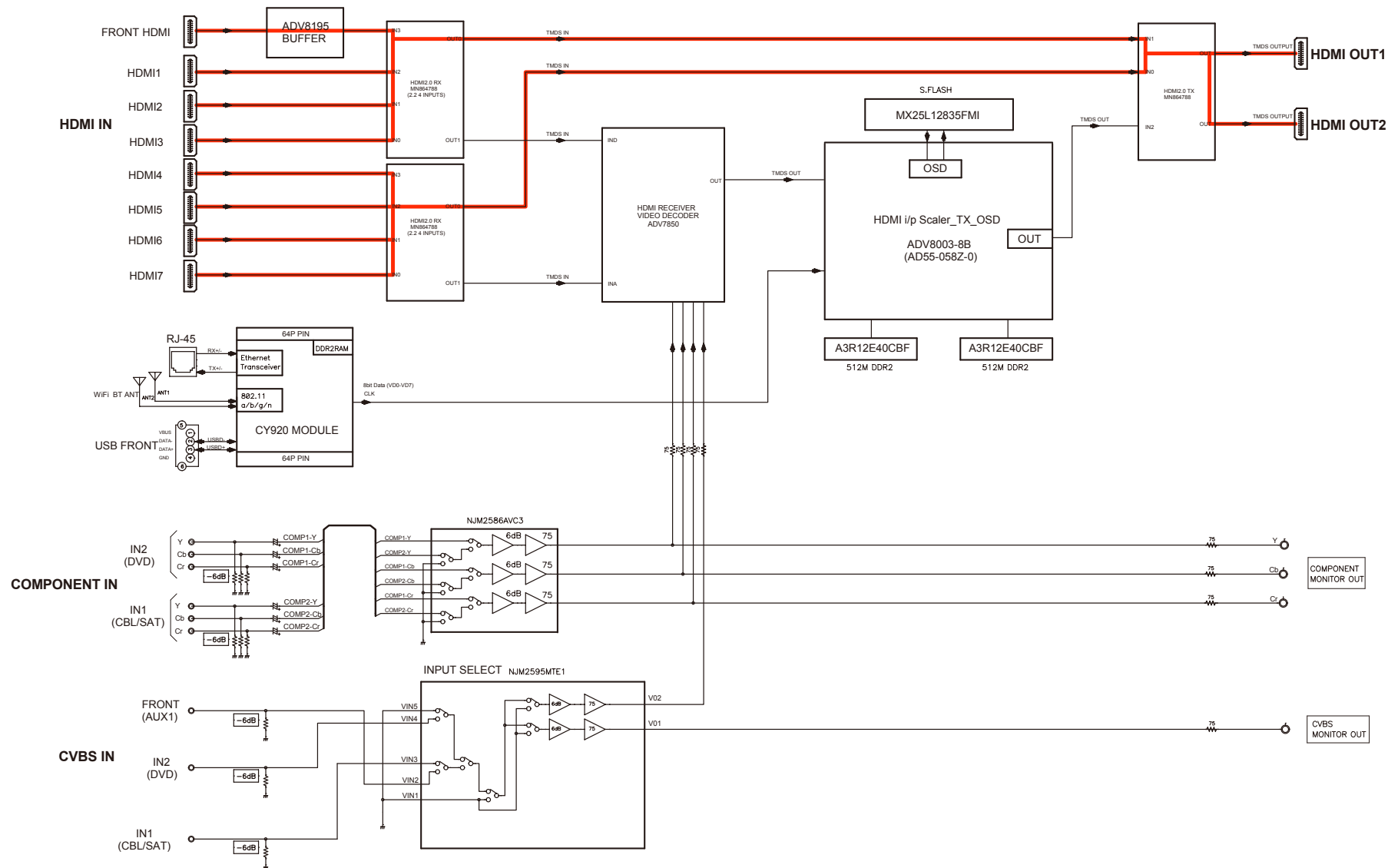


fig.10

VIDEO DIAGRAM

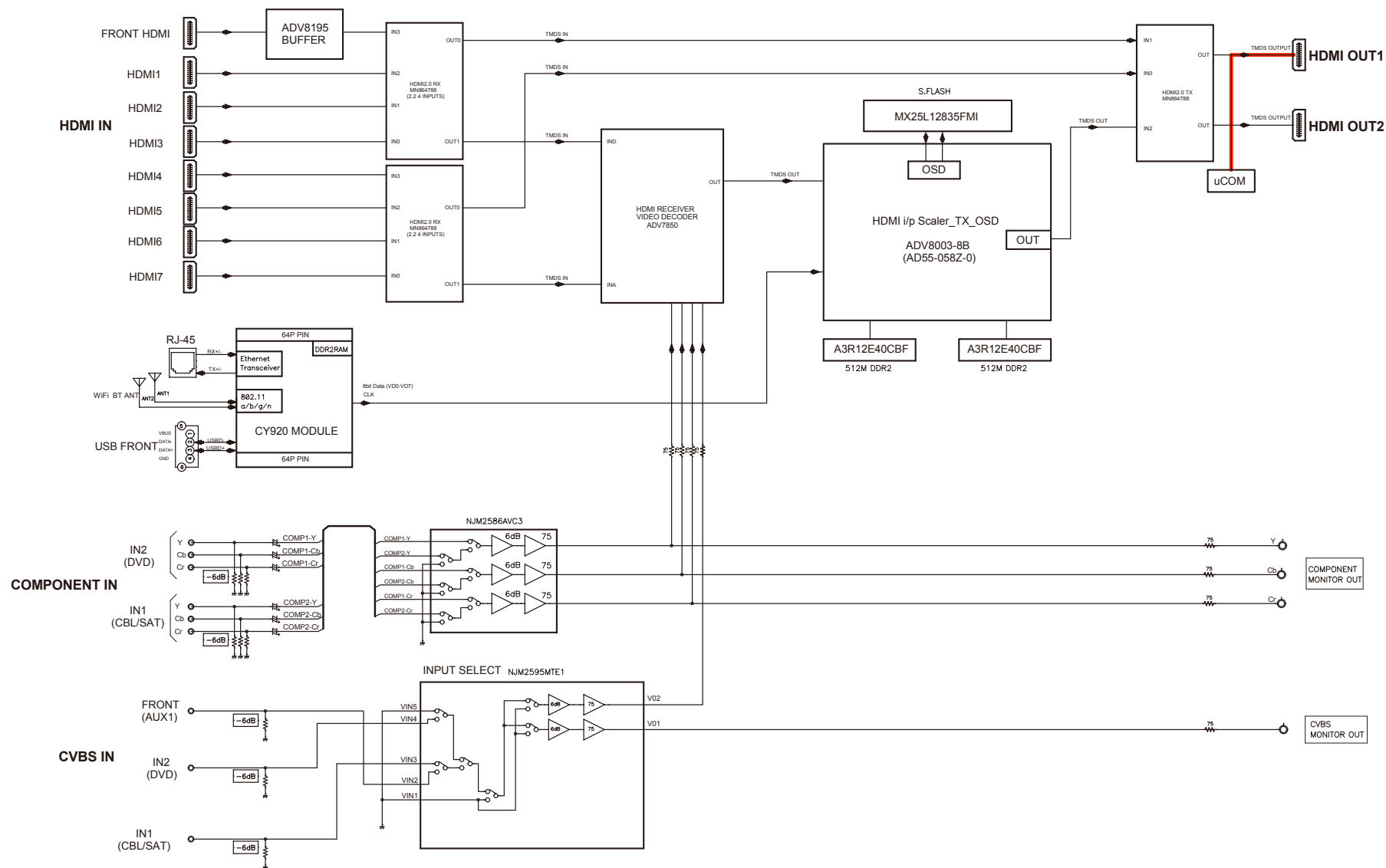


fig.11a

DIGITAL AUDIO DIAGRAM

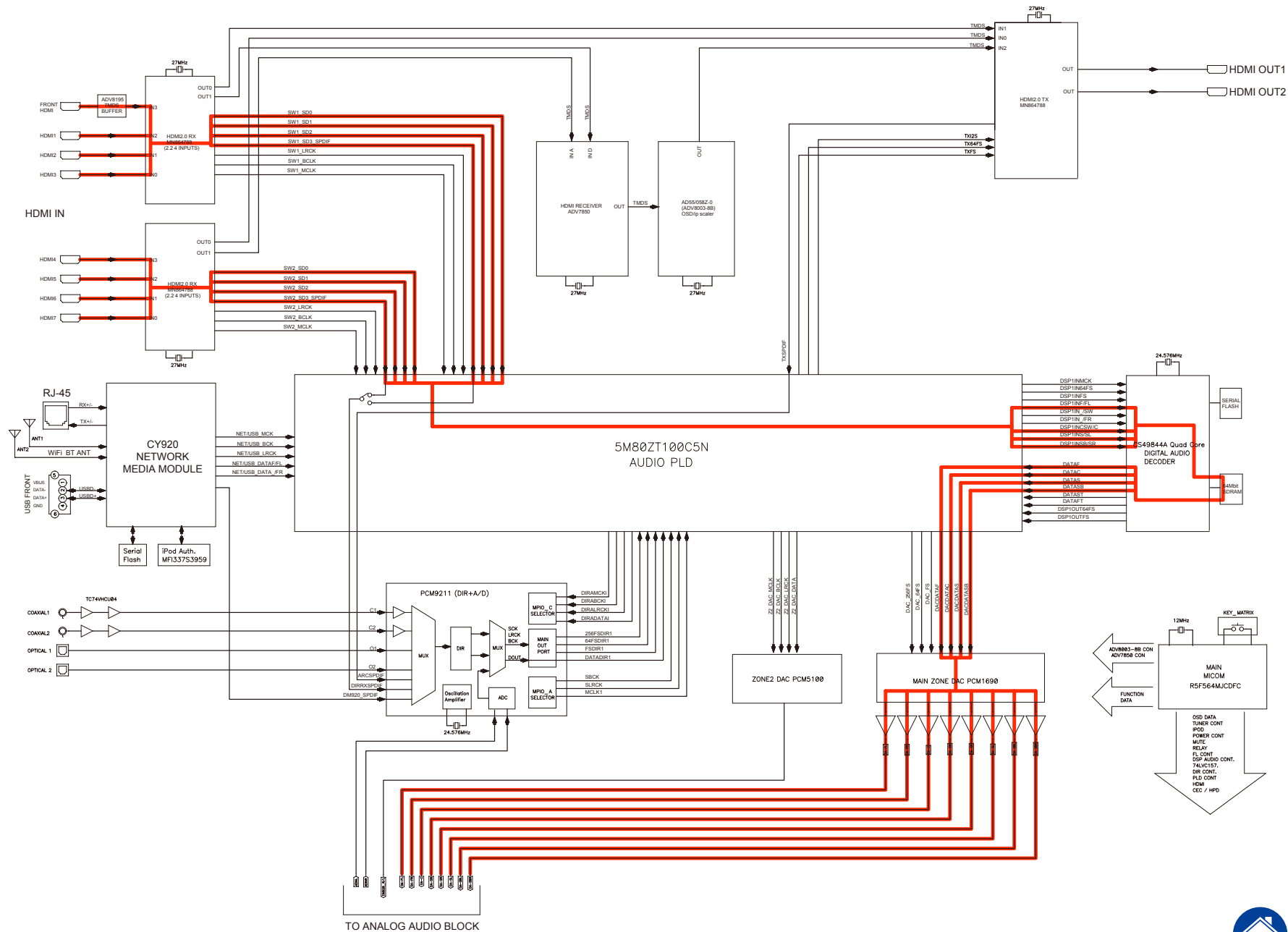


fig.11b

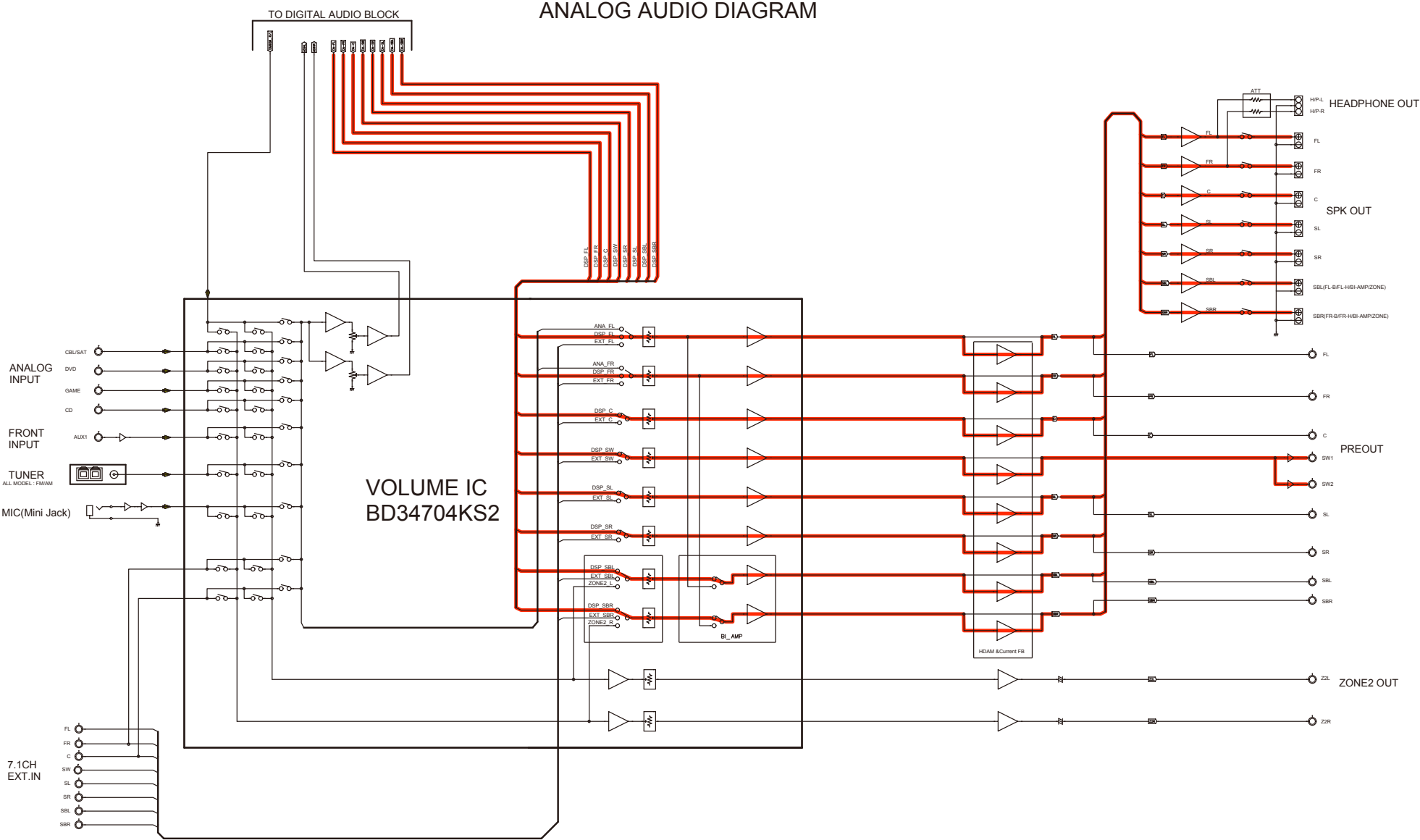


fig.12

DIGITAL AUDIO DIAGRAM

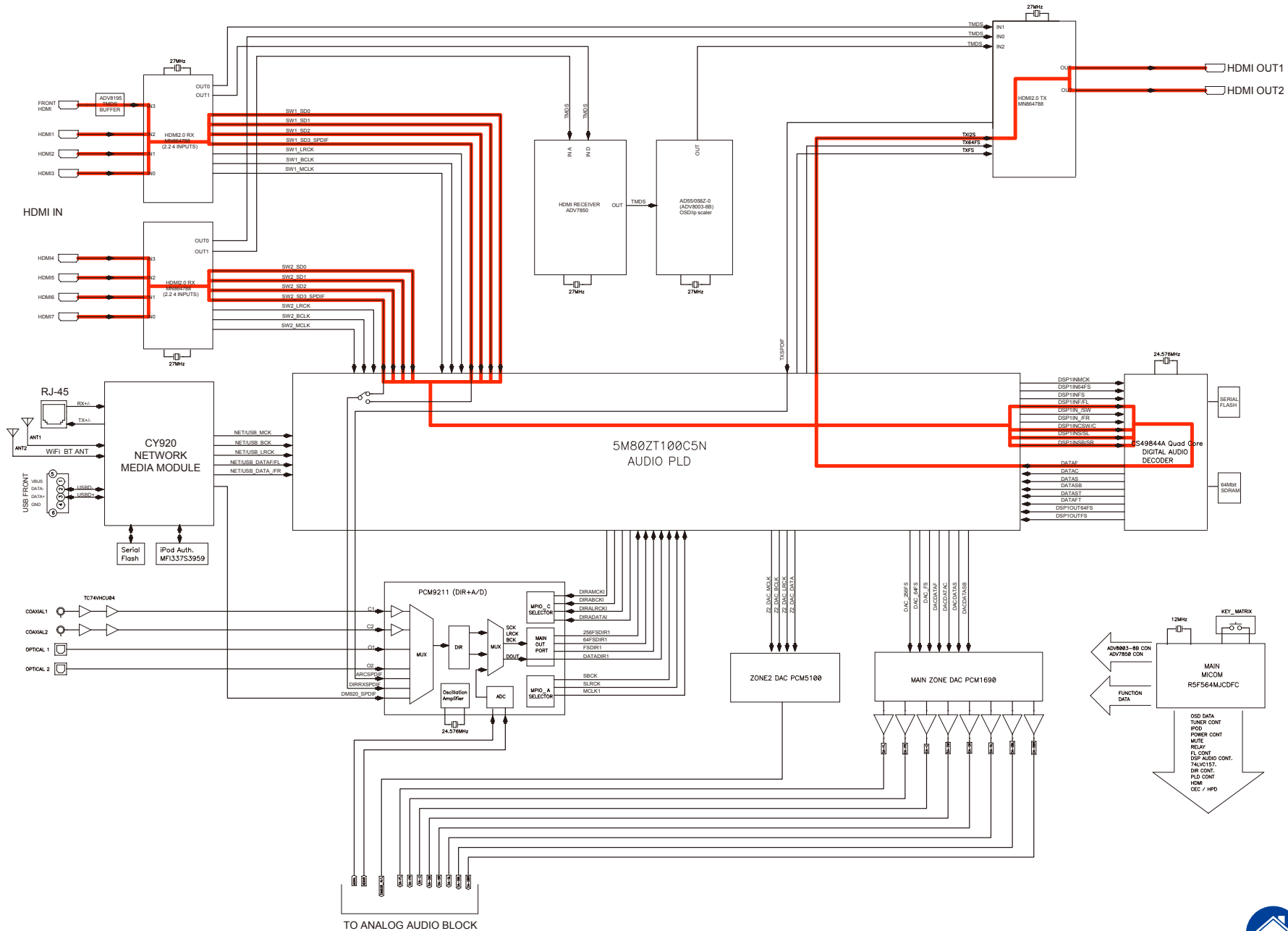
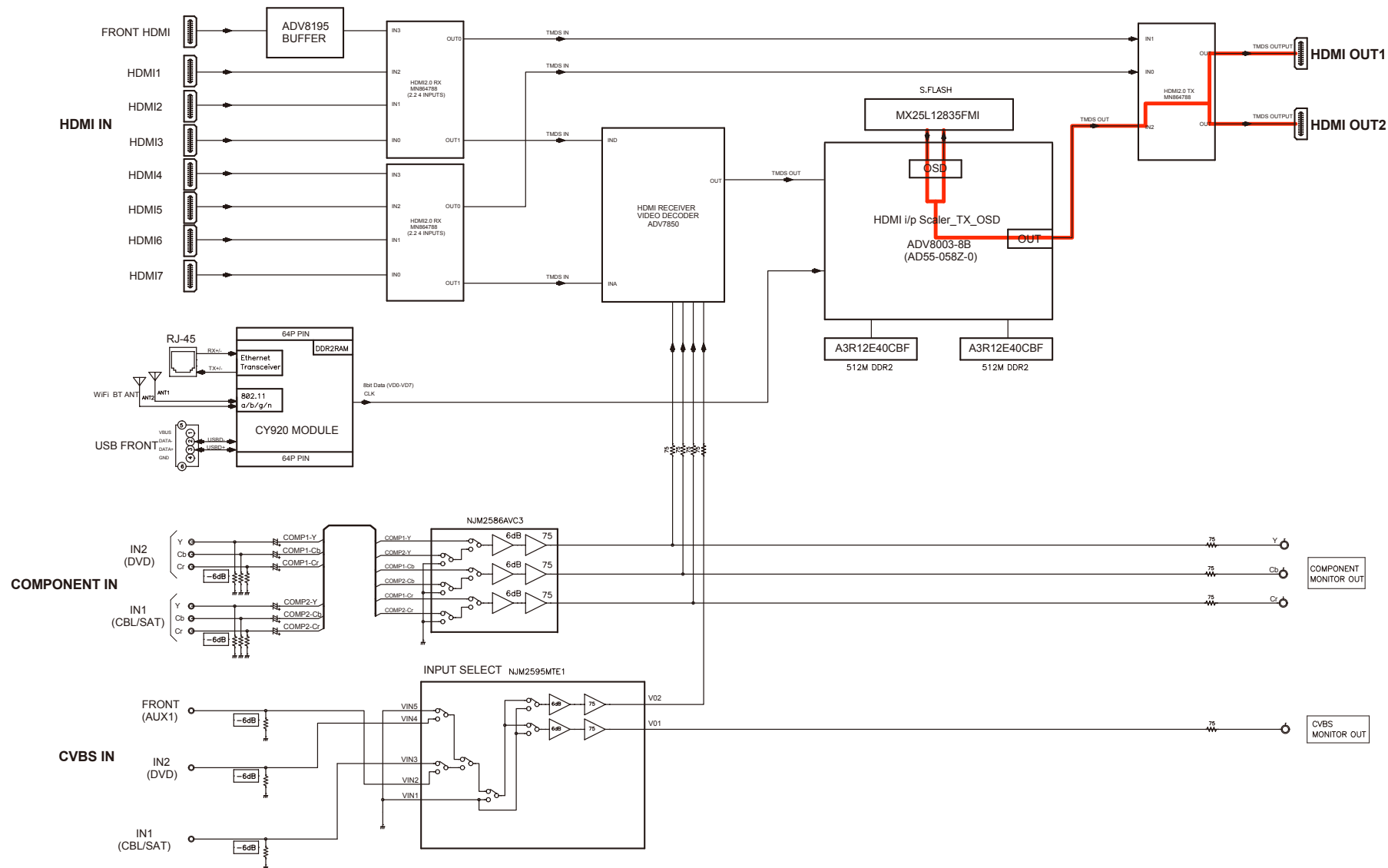


fig.13

VIDEO DIAGRAM



JIG FOR SERVICING

Use the following jigs (extension cable kit) when repairing the PCBs.
Order with your dealer for the jigs your dealer if necessary.

CAUTION : Incorrect connections may cause malfunction.

Connection of Jig for HDMI PCB

---Items to Be Prepared---

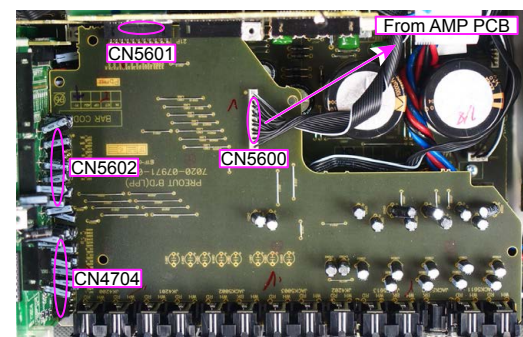
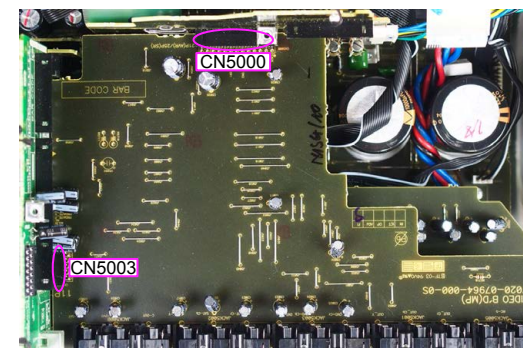
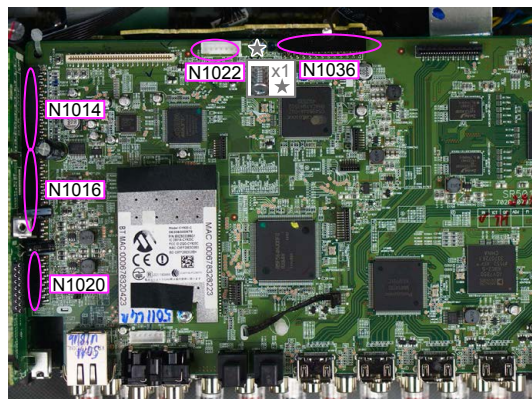
8U-110084S : EXTENSION UNIT KIT	:	1Set
Insulation sheet (Not supplied)	:	3 sheet
Ground lead (Not supplied)	:	3 pc

-Proceeding-

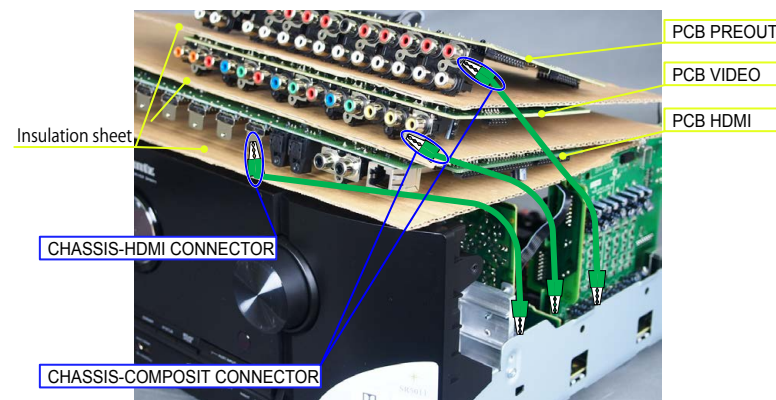
(1) Remove the screws.



(2) Remove the connector PCB.



(3) Remove the HDMI PCB from the chassis and turn it over.
Place an insulation sheet larger than the PCB underneath the HDMI PCB.
※ Connect the earth of the PCB to the chassis using an earth wire, etc.



Caution in
servicing

Electrical

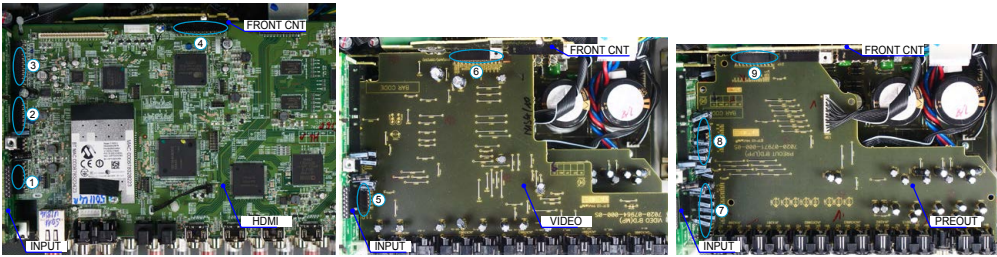
Mechanical

Repair Information

Updating



(4) Connect the expansion cables.



Board-to-Board Connections

No.	Pin	Ref. No.	PCB		Ref. No.	PCB
①	15pin	CP4200	INPUT	↔	N1020	HDMI
②	27pin	CP4205	INPUT	↔	N1016	HDMI
③	23pin	CP4201	INPUT	↔	N1014	HDMI
④	25pin	CP3401	FRONT CNT	↔	N1039	HDMI
⑤	11pin	CP4204	INPUT	↔	CN5033	VIDEO
⑥	25pin	CP5000	FRONT CNT	↔	CN5000	VIDEO
⑦	21pin	CP4207	INPUT	↔	CN4704	PREOUT
⑧	15pin	CP4202	INPUT	↔	CN5602	PREOUT
⑨	21pin	CN3403	FRONT CNT	↔	CN5601	PREOUT

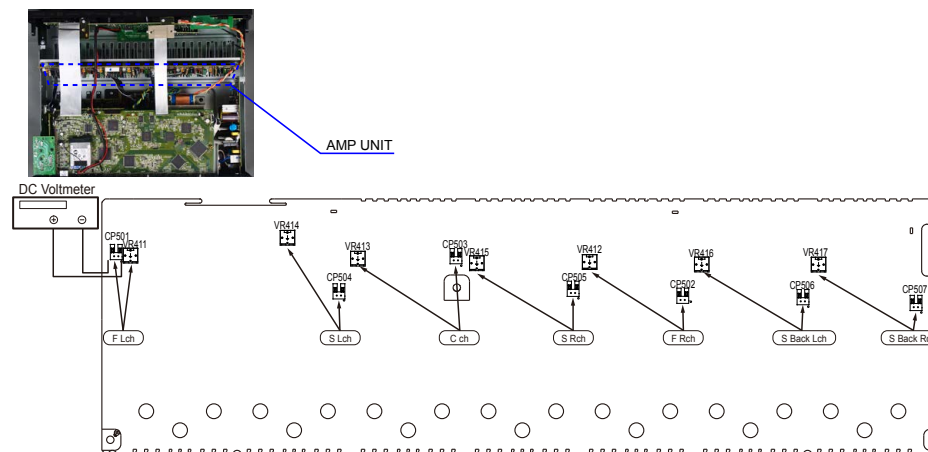
Adjusting Idling Current

1. Preparation

- (1) Prepare a DC voltmeter.
- (2) Place the unit under normal usage conditions, away from highly ventilated areas such as next to an air conditioning machine or electric fan.
The set requires an ambient temperature of 15°C to 30°C and standard humidity.
- (3) Settings of This Unit
 - POWER (Power source switch) STANDBY
 - SPEAKER (Speaker terminal) No load
 (Do not connect equipment such as speakers or dummy resistors.)

2. Adjustment Procedure

- ⚠ (1) Remove the top cover and turn VR411 (ALL Channel) of the AMP PCB counterclockwise(↺) as far as possible.
- ⚠ (2) Connect the DC Voltmeter to the test points.
 FRONT-Lch : CP501 : VR411
 FRONT-Rch : CP502 : VR412
 CENTER ch : CP503 : VR413
 SURROUND-Lch : CP504 : VR414
 SURROUND-Rch : CP505 : VR415
 SURROUND-BACK Lch : CP506 : VR416
 SURROUND-BACK Rch : CP507 : VR417
- (3) Connect the power cord to an outlet. Next, press the power button to turn on the power.
- (4) Set this unit as follows.
 MASTER VOLUME : "---" (↺ min.) : turn counterclockwise to the lowest position.
 SPEAKER (Speaker terminal) : No load
 (Do not connect equipment such as speakers or dummy resistors.)
 MODE : MCH STEREO
 FUNCTION : DVD
- ⚠ (5) Turn VR411 clockwise (↻) and adjust the voltage of the test point to "**6.0mV ± 0.5mV DC**" within 2 minutes.
- ⚠ (6) 10 minutes after the preliminary adjustment, turn VR411 and set the voltage to "**8.0mV ± 0.5mV DC**".
- (7) Adjust the variable resistance of each channel using the same method.



UPDATING

PROCEDURE AFTER REPLACING THE PCB.

PROCEDURE AFTER REPLACING THE U-COM, ETC.

FIRMWARE UPDATE PROCEDURE

1. Items necessary for update
2. Updating via USB
3. Updating via DPMS

PROCEDURE AFTER REPLACING THE PCB.

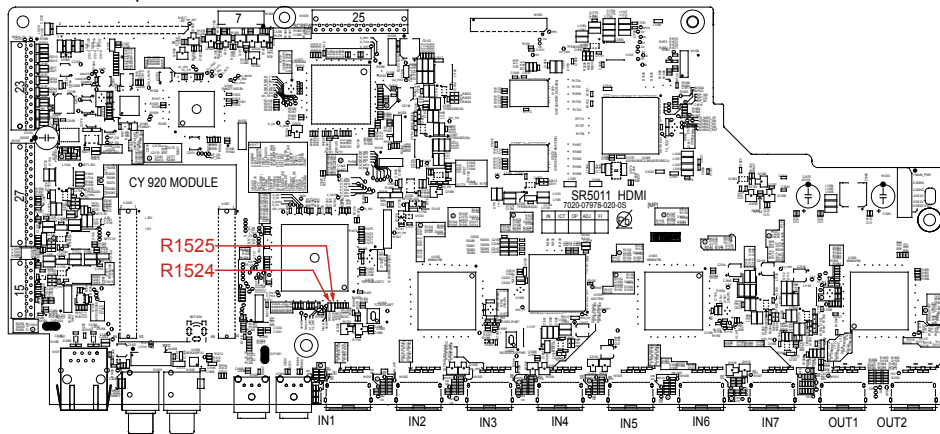
The procedure after replacing the printed circuit boards is as follows.

(1) Change the resistor for setting the region.

Model Area	HDMI PCB	
	R1524	R1525
North America (U)	OPEN	0
Europe (N)	0	OPEN
China (K)	10k	10k

See the PCB below.

(2) Be sure to replace the software with the latest version.



PROCEDURE AFTER REPLACING THE U-COM, ETC.

The procedure after replacing the u-COM (microprocessor), flash ROM, etc. is as follows.

PCB Name	Ref. No.	Description	Procedure after Replacement	Remark
HDMI	U1018	R5F564MJCD5C 32BIT	B	SOFTWARE : Main
HDMI	U1025	MX25L6406EM2I-12G 64M	B	SOFTWARE : DSP ROM
HDMI	U1027	MX25L12835FMI-10G 128M	B	SOFTWARE : GUI ROM
HDMI	U1041	5M80ZT100C5N TQFP100	B	SOFTWARE : AUDIO PLD
MODULE	P21	CY920 MODULE (CY920 Model)	D	SOFTWARE : SBL.bcd / IMG.bcd ※1
DIGITAL	U1010	MX25L25635FMI-10G (CY920 Model)	C	SOFTWARE : IMG.bcd ※1

※1 The firmware for the CY920 MODULE is written to the INTERNAL ROM of the CY920 and the U1010 (EXTERNAL ROM) of the DIGITAL circuit board.

"CY920 Error" appears in the display if the HDMI PCB or the CY920 is replaced, as this results in the version of the INTERNAL ROM differing from that of the EXTERNAL ROM.

In this case, see "[2.10. Update Procedure in the Event of a CY920 Error](#)".

(This does not require special operations such as pushing multiple buttons at the same time. The firmware also cannot be updated via DPMS.)

Procedure after Replacement

- A** : The software has been written. The software is not written at the time of replacement.
- B** : The software has been written. The software may need to be rewritten by version updates. Check the version.
- C** : The software has not been written. The software needs to be written after replacement. See "[FIRMWARE UPDATE PROCEDURE](#)" for information on writing the software.
- D** : ""The software has been written. Be sure to rewrite with the latest software for your service region. See "[FIRMWARE UPDATE PROCEDURE](#)" for information on writing the software.



FIRMWARE UPDATE PROCEDURE

1. Items necessary for update

Items necessary for update are as follows.

Update Type	Needed Part for Update	Requirement	Offered / not Offered		
			Standard Service Equipment Not offered by D&M	Purchase from D&M Article code	Download from SDI
Via USB	USB Stick (USB 2.0 : Min 1GB)	Formatting FAT 32	X	-	2.3. File structure on USB Memory
Via DPMS	Internet Connection by Broadband Circuit	-	X	-	-
	Modem	-	X	-	-
	Router	-	X	-	-
	Ethernet cable (CAT-5 or greater is recommended)	-	X	-	-

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2. Updating via USB

The latest firmware can be downloaded to a USB memory for updates.

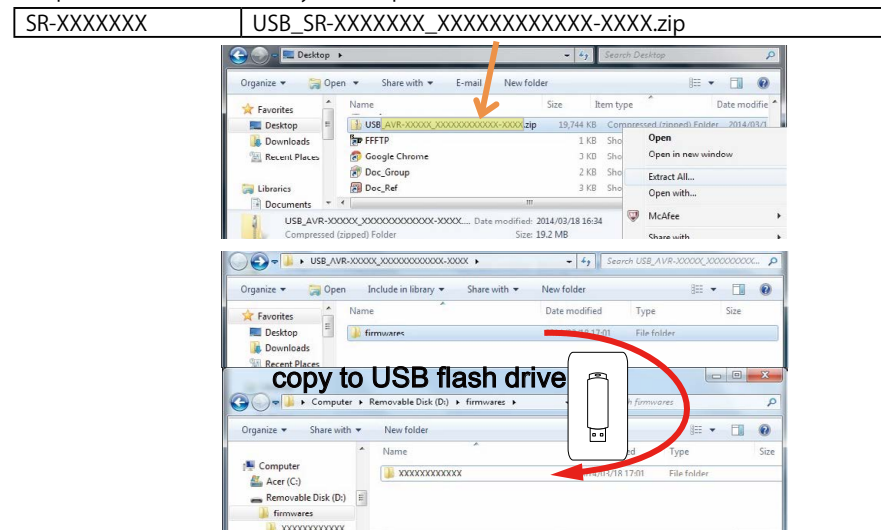
2.1. Connecting to the USB Memory

(1) Preparation

- Use a memory that supports USB2.0.
- USB format : Prepare a USB memory formatted in FAT16 or FAT32.
- Do not run the USB memory through a hub.
- Do not connect a computer to the USB port of this unit using a USB cable.
- Do not use an extension cable when connecting the USB unit.
- If a USB memory device cannot be updated, replace it with a different USB memory device and perform the update again.

2.2. Unzipping the Downloaded File

Unzip the downloaded file on your computer.



The "**firmwares**" folder is created upon unzipping the file.

Copy that folder to USB flash drive.

The "**firmwares**" folder must be in the root directly of the USB flash drive (memory).

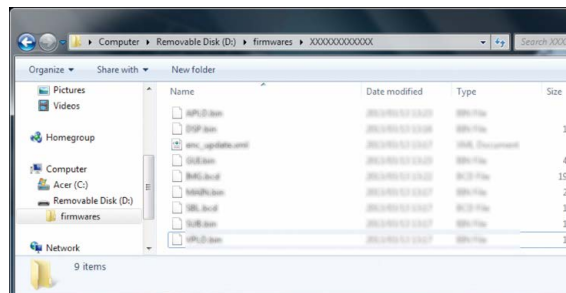
2.3. File structure on USB Memory

Copy the update files to the USB memory with the following structure.

USB memory root

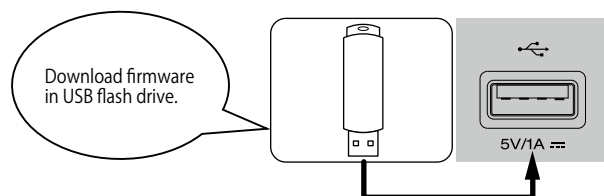
Model Name	Model Area	Product ID
SR5011 U	North America (U)	100100490100
SR5011 N	Europe (N)	100100490200
SR5011 K	China (K)	000100920500

+ firmwares
 + X00100XXXXXX
 + APLD.bin
 + DSP.bin
 + enc_update.xml
 + GUI.bin
 + IMG.bcd
 + MAIN.bin
 + SBL.bcd



2.4. Insert the USB memory into the USB port.

NOTE : Remove the LAN cable from this unit when performing updates.



2.5. Start the update.

While holding down buttons "TUNER PRESET CH +" and "STATUS" simultaneously, press the power button to turn on the power.

2.6. Display during USB update

After around half minutes, display shows the following message.

L1	USB Updt
L2	Start
L3	

2.7. Press the "ENTER" key on the remote control unit or this unit.

Then start Firmware Update.

L1	Update
L2	File
L3	Check

2.8. The firmware update finishes.

When the update is completed, the following message appears on the display, then the unit returns to the normal status.

L1	Updating
L2	Complete
L3	

---Cautions on Firmware Update---

- Never remove the USB memory before the update is finished.
- Do not turn off the power until updating is completed.
- It takes around 1 hour to complete the update.

Once an update is started, normal operations cannot be performed until it is completed. The GUI menu settings and image adjustment settings of this unit may be initialized. Note down the settings before updating, and set them again after updating.

2.9. Forced USB All Device Write Mode

2.9.1. Actions

Mode used when this unit cannot be recovered.
Forcibly switches this unit to USB update mode.

2.9.2. Operations

While holding down buttons the "TUNER PRESET CH +" and "STATUS" buttons simultaneously, insert the AC plug to turn the power on.

L1	USB All
L2	Update
L3	Wait
L3	Wait.
L3	Wait..
L3	Wait...

2.9.3. The firmware update finishes.

Returns to the normal status after update is completed.

2.10. Update Procedure in the Event of a CY920 Error

2.10.1. Actions

Perform the following update procedure if "CY920 Error" appears in the display when the power is turned on after replacing the HDMI PCB or the CY920.

2.10.2. Operations

- (1) Remove the AC power plug and turn off the power.
- (2) Copy the update file to a USB memory device and insert the USB memory device in the USB port.
- (3) Insert the AC plug and turn on the power.
- (4) The update starts automatically after "CY920 Error" appears in the display.

L1	Update
L2	File
L3	Check

- (5) The firmware update finishes.

L1	Updating
L2	Complete
L3	

The unit restarts after the update is finished.

- (6) After the update, check that "CY920 Error" is no longer displayed, and check the version of the new firmware.
See "1. Version Display Mode"

2.11. About the error codes

See the table below for error codes and details of faults when the firmware is updated through USB memory.

The error code is displayed as four digits made up of the Device ID below together with **YY (** : Device ID, YY : Error Code).

Device ID	Device Name
00	n/a(※ 1)
01	Main CPU
11	DSP
12	DSP2(※ 2)
13	DSP3(※ 2)
19	DSP4(※ 2)
15	Audio PLD
22	Video PLD
2A	GUI Serial Flash
02	CY920 2nd BootLoader
03	CY920 Image

※ 1 Used when there are no device related errors

※ 2 For SR6011

Error Code	USB Update Error Display	Details of Error code	Remedies
01	Error**01	Unable to detect USB.	Reinsert or Try a new USB device and try again.
02	Error**02	No Firmware File in USB.	Check the file and try again.
03	Error**03	The Firmware File in the USB does not support your model and area.	Make sure the model name and area of the Firmware File and try again.
04	Error**04	Failed to obtain the Firmware information (Device Information)	Try a new USB device and try again.
05	Error**05	Time Out while obtaining the Firmware information (Device Information)	Start the USB Update again.
06	Error**06	Failed to obtain the Firmware information (Package Version)	Try a new USB device and try again.
07	Error**07	Time Out while obtaining the Firmware information (Package Version)	Start the USB Update again.
08	Error**08	Error notification received while requesting the Firmware Info.	Try a new USB device, Unplug and reconnect the AC plug, and try again.

Error Code	USB Update Error Display	Details of Error code	Remedies
09	Error**09	Time Out while obtaining Firmware information.	Unplug and reconnect the AC plug, and try again.
0A	Error**0A	Unable to detect USB for Firmware Download.	Reinsert or try a new USB device, Unplug and reconnect the AC plug, and try again.
0B	Error**0B	No Firmware File for Firmware Download.	Check the file, Unplug and reconnect the AC plug, and try again.
0C	Error**0C	Received value with the invalid Package Version.	Unplug and reconnect the AC plug, and try again.
10	Error**10	No Update Packet received from CY920 (Time Out).	Unplug and reconnect the AC plug, and try again.
11	Error**11	Abnormal data in Update Packet received from CY920 (CRC Error).	Unplug and reconnect the AC plug, and try again.
12	Error**12	Abnormal data in Update Packet received from CY920 (Packet No Error).	Unplug and reconnect the AC plug, and try again.
13	Error**13	Failed in Block Erase before rewriting Main.	Unplug and reconnect the AC plug, and try again.
14	Error**14	Failed in Block Write while rewriting Main	Unplug and reconnect the AC plug, and try again.
15	Error**15	Error in Verify after rewriting Main (Check Sum Error).	Unplug and reconnect the AC plug, and try again.
16	Error**16	Setup failure of the XModem transfer method.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
20	Error**20	Unable to detect USB after SBL Mode.	Reinsert or try a new USB device, Unplug and reconnect the AC plug, and try again.
21	Error**21	No Firmware File in USB after SBL Mode.	Check the file, Unplug and reconnect the AC plug, and try again.
22	Error**22	After SBL Mode, the Firmware File in the USB does not support your model and area.	Make sure the model name and area of the Firmware File, Unplug and reconnect the AC plug, and try again.



Error Code	USB Update Error Display	Details of Error code	Remedies
23	Error**23	Failed to obtain the entire Firmware information after SBL Mode.	Try a new USB device, Unplug and reconnect the AC plug, and try again.
24	Error**24	Time Out while obtaining the entire Firmware information after SBL Mode.	Unplug and reconnect the AC plug, and try again.
25	Error**25	Failed to transit to SBL Mode	Unplug and reconnect the AC plug, and try again.
26	Error**26	Time Out in Download (writing to SDRAM) for Firmware Download.	Unplug and reconnect the AC plug, and try again.
27	Error**27	Failed to write to EEPROM after SBL Mode.	Unplug and reconnect the AC plug, and try again.
36	Error**36	Unable to detect USB.	Reinsert or try a new USB device, Unplug and reconnect the AC plug, and try again.
37	Error**37	No Firmware File in USB.	Check the file, Unplug and reconnect the AC plug, and try again.
38	Error**38	The Firmware File in the USB does not support your model and area.	Make sure the model name and area of the Firmware File, Unplug and reconnect the AC plug, and try again.
39	Error**39	Time Out in USB Check.	Unplug and reconnect the AC plug, and try again.
3A	Error**3A	Unable to detect USB for Firmware Download.	Reinsert or try a new USB device, Unplug and reconnect the AC plug, and try again.
3B	Error**3B	No Firmware File for Firmware Download.	Check the file, Unplug and reconnect the AC plug, and try again.
3C	Error**3C	Error notification received while requesting the Firmware Info.	Try a new USB device, Unplug and reconnect the AC plug, and try again.
3D	Error**3D	Time Out while obtaining Firmware information.	Try a new USB device, Unplug and reconnect the AC plug, and try again.
3F	Error**3F	Failed to transit to SBL Mode.	Unplug and reconnect the AC plug, and try again.

Error Code	USB Update Error Display	Details of Error code	Remedies
50	Error**50	Unable to detect USB.	Reinsert or try a new USB device, Unplug and reconnect the AC plug, and try again.
51	Error**51	No Firmware File in USB.	Check the file, Unplug and reconnect the AC plug, and try again.
52	Error**52	The Firmware File in the USB does not support your model and area.	Make sure the model name and area of the Firmware File, Unplug and reconnect the AC plug, and try again.
54	Error**54	Error notification received while requesting the Firmware Info.	Try a new USB device, Unplug and reconnect the AC plug, and try again.
55	Error**55	Time Out while obtaining Firmware information.	Unplug and reconnect the AC plug, and try again.
56	Error**56	Unable to detect USB for Firmware Download.	Reinsert or try a new USB device, Unplug and reconnect the AC plug, and try again.
57	Error**57	No Firmware File for Firmware Download.	Check the file, Unplug and reconnect the AC plug, and try again.
5A	Error**5A	Invalid Device ID in response or no response from Sub for the "C" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
5B	Error**5B	NACK received in response or no response from Sub for the "L" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
5C	Error**5C	No Update Packet received from CY920 (Time Out).	Unplug and reconnect the AC plug, and try again.
5D	Error**5D	Abnormal data in Update Packet received from CY920 (CRC Error).	Unplug and reconnect the AC plug, and try again.
5E	Error**5E	Abnormal data in Update Packet received from CY920 (Packet No Error).	Unplug and reconnect the AC plug, and try again.
5F	Error**5F	Setup failure of the XModem transfer method.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.



Error Code	USB Update Error Display	Details of Error code	Remedies
60	Error**60	NACK received in response or no response from Sub for the "P" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
61	Error**61	Mismatched Check Sum in response or no response from Sub for the "I" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
62	Error**62	Failed to start up Sub in Power On sequence during Update.	Unplug and reconnect the AC plug, and try again.
63	Error**63	Failed to transit to Application Mode.	Unplug and reconnect the AC plug, and try again.
64	Error**64	Failed to transit to Boot Loader Mode.	Unplug and reconnect the AC plug, and try again.
80	Error**80	Write Enable Latch Bit not set in Read after issuing the "WREN" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
81	Error**81	Block Erase failed in Read after issuing the "BE" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
82	Error**82	No Update Packet received from CY920 (Time Out).	Unplug and reconnect the AC plug, and try again.
83	Error**83	Abnormal data in Update Packet received from CY920 (CRC Error).	Unplug and reconnect the AC plug, and try again.
84	Error**84	Abnormal data in Update Packet received from CY920 (Packet No Error).	Unplug and reconnect the AC plug, and try again.
85	Error**85	Setup failure of the XModem transfer method	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
86	Error**86	Mismatched Check Sum in Check Sum comparison after rewriting.	Unplug and reconnect the AC plug, and try again.

Error Code	USB Update Error Display	Details of Error code	Remedies
A2	Error**A2	Unable to detect USB.	Reinsert or try a new USB device, Unplug and reconnect the AC plug, and try again.
A3	Error**A3	No Firmware File in USB.	Check the file, Unplug and reconnect the AC plug, and try again.
A4	Error**A4	The Firmware File in the USB does not support your model and area.	Make sure the model name and area of the Firmware File, Unplug and reconnect the AC plug, and try again.
A6	Error**A6	Error notification received while requesting the Firmware Info.	Try a new USB device, Unplug and reconnect the AC plug, and try again.
A7	Error**A7	Time Out while obtaining Firmware information.	Unplug and reconnect the AC plug, and try again.
AE	Error**AE	Unable to detect USB for Firmware Download.	Reinsert or try a new USB device, Unplug and reconnect the AC plug, and try again.
AF	Error**AF	No Firmware File for Firmware Download.	Check the file, Unplug and reconnect the AC plug, and try again.
B1	Error**B1	Time Out in Download (writing to SDRAM) for Firmware Download.	Unplug and reconnect the AC plug, and try again.
B2	Error**B2	Error notification received after rewriting the CY920 Firm.	Unplug and reconnect the AC plug, and try again.
B3	Error**B3	Error in Firmware Update (Time Out).	Unplug and reconnect the AC plug, and try again.
B4	Error**B4	Failed to transit to Boot Loader Mode.	Unplug and reconnect the AC plug, and try again.
B5	Error**B5	Failed to transit to Application Mode.	Unplug and reconnect the AC plug, and try again.

---Checking the firmware version after updating---

After updating the firmware, check the version.

See "1. Version Display Mode"



3. Updating via DPMS

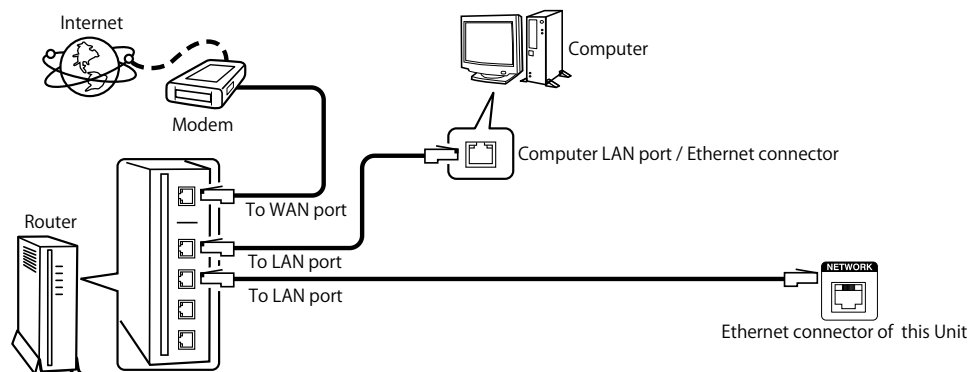
Download the latest firmware from our website and update the firmware.

3.1. Network Connection

(1) System Requirements

- Internet Connection by Broadband Circuit
- Modem
- Router
- Ethernet cable (CAT-5 or greater is recommended)

(2) Setting



3.2. Check and update the firmware

Check if there is a firmware update available. It is also possible to check approximately how long the update will take.

- (1) Press the **"SETUP"** button on the remote control to display the GUI menu.
- (2) Press the cursor button to select **"General"** → **"Firmware"** → **"Update"** → **"Check for Update"**.
- (3) Press the **"ENTER"** button.
 - The latest version of the firmware uploaded to the web is displayed.
 - If the latest firmware version is on the web, proceed to (4).
 - If the latest firmware is already installed, press the **"SETUP"** button to exit the menu.
- (4) Select **"Start"** using the cursor buttons, and then press **"ENTER"**.
 - The power display lights in red and the GUI screen display disappears during the update. The remaining time of the update is shown on the display of the unit.
 - Returns to the normal status after update is completed.

---Cautions on Firmware Update---

- For the update procedure, a proper broadband Internet connection environment and settings are required.
- Do not turn off the power until updating is completed.
- It takes around 1 hour to complete the update.

Once an update is started, normal operations cannot be performed until it is completed.

The GUI menu settings and image adjustment settings of this unit may be initialized.

Note down the settings before updating, and set them again after updating.



3.3. About the error codes

See the following table for details on the error code display, details of the error code, remedies when updating the firmware via DPMS. (DPMS : D&M Product Management Server)
The error code is displayed as four digits made up of the Device ID below together with **YY (** : Device ID, YY : Error Code).

Device ID	Device Name
00	n/a(※ 1)
01	Main CPU
11	DSP
12	DSP2(※ 2)
13	DSP3(※ 2)
19	DSP4(※ 2)
15	Audio PLD
22	Video PLD
2A	GUI Serial Flash
02	CY920 2nd BootLoader
03	CY920 Image

※ 1 Used when there are no device related errors

※ 2 For SR6011

Error Code	DPMS Update Error Display	Details of Error code	Remedies
01	Error**01	Connection to DPMS failed.	Check the network connection, then try again.
03	Error**03	Connection to DPMS failed.	Check the network connection, then try again.
04	Error**04	Failed to obtain the Firmware information (Device Information)	Check the network connection, then try again.
05	Error**05	Time Out while obtaining the Firmware information (Device Information)	Check the network connection, then try again.
06	Error**06	Failed to obtain the Firmware information (Package Version)	Check the network connection, then try again.
07	Error**07	Time Out while obtaining the Firmware information (Package Version)	Check the network connection, then try again.
08	Error**08	Error notification received while requesting the Firmware Info.	Check the network connection, Unplug and reconnect the AC plug, and try again.
09	Error**09	Time Out while obtaining Firmware information.	Unplug and reconnect the AC plug, and try again.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
0A	Error**0A	Error(NG) notification received while requesting Firmware Download.	Check the network connection, Unplug and reconnect the AC plug, and try again.
0C	Error**0C	Error(Connect failure) notification received while requesting Firmware Download.	Check the network connection, Unplug and reconnect the AC plug, and try again.
0D	Error**0D	Received value with the invalid Package Version.	Unplug and reconnect the AC plug, and try again.
0E	Error**0E	Connection to DPMS failed. (Cannot get NTP)	Check the network connection, then try again.
10	Error**10	No Update Packet received from CY920 (Time Out).	Unplug and reconnect the AC plug, and try again.
11	Error**11	Abnormal data in Update Packet received from CY920 (CRC Error).	Unplug and reconnect the AC plug, and try again.
12	Error**12	Abnormal data in Update Packet received from CY920 (Packet No Error).	Unplug and reconnect the AC plug, and try again.
13	Error**13	Failed in Block Erase before rewriting Main.	Unplug and reconnect the AC plug, and try again.
14	Error**14	Failed in Block Write while rewriting Main	Unplug and reconnect the AC plug, and try again.
15	Error**15	Error in Verify after rewriting Main (Check Sum Error).	Unplug and reconnect the AC plug, and try again.
16	Error**16	Setup failure of the XModem transfer method.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
20	Error**20	After SBL Mode IP Address acquisition failure (AutoIP).	Check the network connection, Unplug and reconnect the AC plug, and try again.
21	Error**21	After SBL Mode IP Address acquisition failure (Time Out).	Check the network connection, Unplug and reconnect the AC plug, and try again.
22	Error**22	DPMS login incorrect notification after SBL.	Check the network connection, Unplug and reconnect the AC plug, and try again.

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Error Code	DPMS Update Error Display	Details of Error code	Remedies
24	Error**24	DPMS connection failure notification after SBL.	Check the network connection, Unplug and reconnect the AC plug, and try again.
25	Error**25	Failed to transit to SBL Mode.	Unplug and reconnect the AC plug, and try again.
26	Error**26	Error in Firmware Download (Time Out).	Unplug and reconnect the AC plug, and try again.
27	Error**27	Failed to write to EEPROM after SBL Mode.	Unplug and reconnect the AC plug, and try again.
36	Error**36	DPMS login incorrect notification.	Check the network connection, Unplug and reconnect the AC plug, and try again.
38	Error**38	DPMS connection failure notification.	Check the network connection, Unplug and reconnect the AC plug, and try again.
39	Error**39	DPMS connection Time Out Error.	Unplug and reconnect the AC plug, and try again.
3A	Error**3A	Error(NG) notification received while requesting Firmware Download.	Check the network connection, Unplug and reconnect the AC plug, and try again.
3C	Error**3C	Error(Connect failure) notification received while requesting Firmware Download.	Check the network connection, Unplug and reconnect the AC plug, and try again.
3D	Error**3D	After SBL Mode IP Address acquisition failure (AutoIP).	Check the network connection, Unplug and reconnect the AC plug, and try again.
3E	Error**3E	After SBL Mode IP Address acquisition failure (Time Out).	Unplug and reconnect the AC plug, and try again.
3F	Error**3F	Failed to transit to SBL Mode.	Unplug and reconnect the AC plug, and try again.
50	Error**50	DPMS login incorrect notification.	Check the network connection, Unplug and reconnect the AC plug, and try again.
52	Error**52	DPMS connection failure notification.	Check the network connection, Unplug and reconnect the AC plug, and try again.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
54	Error**54	Error notification received while requesting the Firmware Info.	Check the network connection, Unplug and reconnect the AC plug, and try again.
55	Error**55	Time Out while obtaining Firmware information.	Unplug and reconnect the AC plug, and try again.
56	Error**56	Error(NG) notification received while requesting Firmware Download.	Check the network connection, Unplug and reconnect the AC plug, and try again.
58	Error**58	Error(Connect failure) notification received while requesting Firmware Download.	Check the network connection, Unplug and reconnect the AC plug, and try again.
5A	Error**5A	Invalid Device ID in response or no response from Sub for the "C" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
5B	Error**5B	NACK received in response or no response from Sub for the "L" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
5C	Error**5C	No Update Packet received from CY920 (Time Out).	Unplug and reconnect the AC plug, and try again.
5D	Error**5D	Abnormal data in Update Packet received from CY920 (CRC Error).	Unplug and reconnect the AC plug, and try again.
5E	Error**5E	Abnormal data in Update Packet received from CY920 (Packet No Error).	Unplug and reconnect the AC plug, and try again.
5F	Error**5F	Setup failure of the XModem transfer method.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
60	Error**60	NACK received in response or no response from Sub for the "P" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
61	Error**61	Mismatched Check Sum in response or no response from Sub for the "I" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.

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Error Code	DPMS Update Error Display	Details of Error code	Remedies
62	Error**62	Failed to start up Sub in Power On sequence during Update.	Unplug and reconnect the AC plug, and try again.
80	Error**80	Write Enable Latch Bit not set in Read after issuing the "WREN" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
81	Error**81	Block Erase failed in Read after issuing the "BE" command.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
82	Error**82	No Update Packet received from CY920 (Time Out).	Unplug and reconnect the AC plug, and try again.
83	Error**83	Abnormal data in Update Packet received from CY920 (CRC Error).	Unplug and reconnect the AC plug, and try again.
84	Error**84	Abnormal data in Update Packet received from CY920 (PacketNoError).	Unplug and reconnect the AC plug, and try again.
85	Error**85	Setup failure of the XModem transfer method.	Unplug and reconnect the AC plug, and try again. If the same error occurs even when it is retried, the device may be malfunctioning.
86	Error**86	Mismatched Check Sum in Check Sum comparison after rewriting.	Unplug and reconnect the AC plug, and try again.
A0	Error**A0	IP Address acquisition failure (AutoIP).	Check the network connection, Unplug and reconnect the AC plug, and try again.
A1	Error**A1	IP Address acquisition failure (Time Out).	Unplug and reconnect the AC plug, and try again.
A2	Error**A2	DPMS login incorrect notification.	Check the network connection, Unplug and reconnect the AC plug, and try again.
A4	Error**A4	DPMS connection failure notification.	Check the network connection, Unplug and reconnect the AC plug, and try again.
A6	Error**A6	Error notification received while requesting the Firmware Info.	Check the network connection, Unplug and reconnect the AC plug, and try again.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
A7	Error**A7	Time Out while obtaining Firmware information.	Unplug and reconnect the AC plug, and try again.
AE	Error**AE	Error(NG) notification received while requesting Firmware Download.	Check the network connection, Unplug and reconnect the AC plug, and try again.
B0	Error**B0	Error(Connect failure) notification received while requesting Firmware Download.	Check the network connection, Unplug and reconnect the AC plug, and try again.
B1	Error**B1	Error in Firmware Download (Time Out).	Check the network connection, Unplug and reconnect the AC plug, and try again.
B2	Error**B2	Error notification received after rewriting the CY920 Firm.	Unplug and reconnect the AC plug, and try again.
B3	Error**B3	Error in Firmware Update (Time Out).	Unplug and reconnect the AC plug, and try again.
B4	Error**B4	Failed to transit to Boot Loader Mode.	Unplug and reconnect the AC plug, and try again.
B5	Error**B5	Failed to transit to Application Mode.	Unplug and reconnect the AC plug, and try again.

---Checking the Firmware Version After the Update---

After updating the firmware, check the version.

See "1. Version Display Mode"



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MAIN PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D1094	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D1095	963263101000S	LED,IR BIR-BM1341W 3PI INFRARED LED	K505134101050S	1		
D4000	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4001	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4002	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4003	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4004	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4007	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D4008	963203500300D	D.RECTIFIER BRIDGE DIODE BRIDGE D10SB60 600V/10A STRAIGHT TYPE	K047100600220S	1		
D4009	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4010	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4013	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4014	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4016	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D4017	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4019	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D4020	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4022	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4023	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4025	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4026	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4028	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4030	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4031	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D4032	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D4034	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4037	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D4039	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4040	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4041	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4042	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4043	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4044	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
IC4000	00D263110000S	IC.LINEAR-REGULATOR KIA7805API.20W-TO220IS MOLD	J126780500110S	1		
IC4001	00D2631099006	IC.LINEAR-REGULATOR KIA7905PI.20W-TO220IS MOLD	J126790500070S	1		
IC4002	00D2631104001	IC.LINEAR-REGULATOR BA08T 8V TO220FP LOW-DROP POSITIVE VOLTAGE REG	J126080000020S	1		
IC4003	00D263110000S	IC.LINEAR-REGULATOR KIA7805API.20W-TO220IS MOLD	J126780500110S	1		
IC4004	00D2631251006	IC.LINEAR-REGULATOR KIA7908PI.20W-TO220IS	J126790800060S	1		
IC4005	963232100450S	IC.LINEAR OP NJM4580CG SOP8	J121458000050S	1		
IC4006	963231102310S	IC.LINEAR-REGULATOR AZ1117CH-3.3TRG1 SOT-223 3.3V 1A LOW DROPOUT	J126111733630S	1		
Q1037	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
Q4005	963214500310S	SEMI.CHIP TR/NPN 2SC RT1N237C 0.2W/SC-59 ISAHAYA	J522102371210S	1		
Q4006	963214500310S	SEMI.CHIP TR/NPN 2SC RT1N237C 0.2W/SC-59 ISAHAYA	J522102371210S	1		
Q4007	963214500310S	SEMI.CHIP TR/NPN 2SC RT1N237C 0.2W/SC-59 ISAHAYA	J522102371210S	1		
Q4008	963214500310S	SEMI.CHIP TR/NPN 2SC RT1N237C 0.2W/SC-59 ISAHAYA	J522102371210S	1		
Q4009	963214500310S	SEMI.CHIP TR/NPN 2SC RT1N237C 0.2W/SC-59 ISAHAYA	J522102371210S	1		
Q4010	963214500310S	SEMI.CHIP TR/NPN 2SC RT1N237C 0.2W/SC-59 ISAHAYA	J522102371210S	1		
U1019	963262012150M	MODULE REMOCON R94EV1A 36KHZ STRAIGHT LEAD P=2.54MM	E940941003610S	1		
ZD4002	963202500330D	D.ZENER ZJ6.8B-0.5W/5MA-52MM SEMTECH	K06006R844522S	1		
ZD4157	963202500290D	D.ZENER ZJ3.6B-0.5W/5MA-52MM SEMTECH	K06003R644522S	1		
ZD4158	963202500290D	D.ZENER ZJ3.6B-0.5W/5MA-52MM SEMTECH	K06003R644522S	1		
RESISTOR GROUP						
R1452	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R1455	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL	C20001026M160S	1		
R1456	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL	C20001026M160S	1		
R1467	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4000	963125010110S	R.METAL FILM 100PPM 470-J,2W-R.REEL	C060047166060S	1		
R4001	963125010110S	R.METAL FILM 100PPM 470-J,2W-R.REEL	C060047166060S	1		
R4002	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX	C00001006P520S	1		
R4003	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL	C060010066050S	1		
R4004	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX	C00001006P520S	1		
R4005	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL	C060010066050S	1		
R4006	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX	C00001006P520S	1		
R4007	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL	C060010066050S	1		
R4008	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX	C00001006P520S	1		
R4009	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL	C060010066050S	1		
R4010	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX	C00001006P520S	1		
R4011	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL	C060010066050S	1		
R4012	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX	C00001006P520S	1		
R4013	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL	C060010066050S	1		
R4014	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX	C00001006P520S	1		
R4015	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL	C060010066050S	1		
R4016	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX	C00001016P520S	1		
R4017	nsp	R.CARBON FILM 20-J,1/5W-52RE-AX	C00002006P520S	1		
R4018	nsp	R.CARBON FILM 20-J,1/5W-52RE-AX	C00002006P520S	1		
R4019	nsp	R.CARBON FILM 20-J,1/5W-52RE-AX	C00002006P520S	1		
R4020	nsp	R.CARBON FILM 20-J,1/5W-52RE-AX	C00002006P520S	1		
R4025	963125500070D	R.METAL FILM 100PPM 1.1K-J,1W-R.REEL	C060011265050S	1		
R4026	963125500070D	R.METAL FILM 100PPM 1.1K-J,1W-R.REEL	C060011265050S	1		
R4027	963125500070D	R.METAL FILM 100PPM 1.1K-J,1W-R.REEL	C060011265050S	1		
R4029	nsp	R.METAL FILM 100PPM 10K-J,1/4W-R.REEL	C060103063050S	1		
R4032	nsp	CN WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R4035	nsp	R.CHIP THICK 0-J,1/10W-2012REEL	C200000060201S	1		
R4036	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4037	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4038	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4039	nsp	R.CHIP THICK 82K-J,1/16W-1608REEL	C20008236M160S	1		
R4040	nsp	R.CHIP THICK 82K-J,1/16W-1608REEL	C20008236M160S	1		
R4041	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4042	nsp	R.CHIP THICK 33-J,1/16W-1608REEL	C20003306M160S	1		
R4043	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4044	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4045	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4046	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL	C20001026M160S	1		
R4047	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4048	nsp	R.CHIP THICK 33-J,1/16W-1608REEL	C20003306M160S	1		
R4049	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4052	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4056	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4057	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4058	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4059	nsp	R.CHIP THICK 22K-J,1/16W-1608REEL	C20002236M160S	1		
R4060	nsp	R.CHIP THICK 330K-J,1/16W-1608REEL	C20003346M160S	1		
R4061	nsp	R.CHIP THICK 22K-J,1/16W-1608REEL	C20002236M160S	1		
R4062	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R4063	nsp	R.CHIP THICK 3.3K-J,1/16W-1608REEL		C20003326M160S	1	
R4064	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4065	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL		C20003336M160S	1	
R4066	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4067	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4069	963129501010S	R.CEMENT MPR 0.01-J/5W W14*H18 9MM PITCH		C144R01069000S	1	
R4070	nsp	R.CARBON FILM 20-J,1/5W-52RE-AX		C00002006P520S	1	
R4081	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL		C20004736M160S	1	
CAPACITORS GROUP						
C1342	nsp	C.CERAMIC CHIP HIK X7RJ4.7UF-K/6.3V-1608REEL		D011475571160S	1	
C1344	nsp	C.CERAMIC CHIP HIK X7RJ4.7UF-K/6.3V-1608REEL		D011475571160S	1	
C4000	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4001	nsp	C.CERAMIC CHIP HIK X7RJ2200PF-K/50V-1608REEL		D011222777160S	1	
C4003	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4004	nsp	C.CERAMIC CHIP HIK X7RJ2200PF-K/50V-1608REEL		D011222777160S	1	
C4006	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4007	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4008	nsp	C.CERAMIC CHIP HIK X7RJ2200PF-K/50V-1608REEL		D011222777160S	1	
C4010	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4011	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4012	nsp	C.CERAMIC CHIP HIK X7RJ2200PF-K/50V-1608REEL		D011222777160S	1	
C4014	nsp	C.CERAMIC CHIP HIK X7RJ2200PF-K/50V-1608REEL		D011222777160S	1	
C4016	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4017	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4018	nsp	C.CERAMIC CHIP HIK X7RJ2200PF-K/50V-1608REEL		D011222777160S	1	
C4020	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4021	nsp	C.CERAMIC CHIP HIK X7RJ2200PF-K/50V-1608REEL		D011222777160S	1	
C4023	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4024	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4025	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4027	nsp	C.CERAMIC CHIP HIK X7RJ1000PF-K/50V-1608REEL	U, K	D01102777160S	1	
C4027	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL	N	D01104577160S	1	
C4028	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4030	963133502350S	C.FILM POLYESTER MI-0.047UF-J/100V-5RE HMM473J2AP050T DAEHUNG		D02047316C250S	1	
C4032	nsp	C.CERAMIC CHIP HIK X7RJ1000PF-K/50V-1608REEL	U, K	D01102777160S	1	
C4032	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL	N	D01104577160S	1	
C4035	nsp	C.CERAMIC CHIP HIK X7RJ1000PF-K/50V-1608REEL	U, K	D01102777160S	1	
C4035	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL	N	D01104577160S	1	
C4038	nsp	C.CERAMIC CHIP HIK X7RJ1000PF-K/50V-1608REEL	U, K	D01102777160S	1	
C4038	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL	N	D01104577160S	1	
C4041	nsp	C.CERAMIC CHIP HIK X7RJ1000PF-K/50V-1608REEL	U, K	D01102777160S	1	
C4041	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL	N	D01104577160S	1	
C4044	nsp	C.CERAMIC CHIP HIK X7RJ1000PF-K/50V-1608REEL	U, K	D01102777160S	1	
C4044	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL	N	D01104577160S	1	
C4047	nsp	C.CERAMIC CHIP HIK X7RJ1000PF-K/50V-1608REEL	U, K	D01102777160S	1	
C4047	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL	N	D01104577160S	1	
C4049	nsp	C.ELECT GE 85C 100UF-M/50V,8*11.5-5RE.SMS SY		D040101087060S	1	
C4050	nsp	C.FILM POLYESTER RED-0.1UF-K/250V-5RE PCMT365		D02010407H080S	1	
C4051	nsp	C.FILM POLYESTER RED-0.1UF-K/250V-5RE PCMT365		D02010407H080S	1	
C4052	963134501800D	C.ELECT GE 85C 10000UF-M/71V,35*50 BULK LAO-71V103MS57P5W1#B		D040103089220S	1	
C4053	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4054	963134501800D	C.ELECT GE 85C 10000UF-M/71V,35*50 BULK LAO-71V103MS57P5W1#B		D040103089220S	1	
C4057	963133502380S	C.FILM POLYESTER MI-0.1UF-J/100V-5RE HMM104J2AP050T DAEHUNG		D02010416C250S	1	
C4058	963134010700S	C.ELECT GE 85C 2200UF-M/25V,16*25 L.BLK SMS 5.0MC SY		D040222084030S	1	
C4059	963134005700S	C.ELECT GE 85C 2200UF-M/16V,12*16 S.BLK SY		D040222083010S	1	
C4060	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4061	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4062	00D9609009940	C.ELECT GE 85C 1000UF-M/16V,10*16 L.BLK SY		D040102083030S	1	
C4063	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4064	963134502380S	C.ELECT GE 85C 470UF-M/50V,12.5*20 L.BLK SMS 5.0MC SY		D040471087010S	1	
C4065	963134502760S	C.ELECT GE 85C 6800UF-M/25V,16*31.5 BULK 5.0MC MHA SY		D040682084080S	1	
C4066	963134502390S	C.ELECT GE 85C 470UF-M/50V,10*20 BULK SHL SY		D040471087040S	1	
C4067	90M-OA000500R	C.ELECT GE 85C 4700UF-M/25V(MHA),16*25 P=7.5 L.BLK		D040472084240S	1	
C4068	963134502390S	C.ELECT GE 85C 470UF-M/50V,10*20 BULK SHL SY		D040471087040S	1	
C4069	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL		D01104577160S	1	
C4071	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4074	nsp	C.CERAMIC CHIP T.C COG100PF-J/50V-1608REEL		D010100167161S	1	
C4075	nsp	C.ELECT GE 85C 100UF-M/16V,5*11-5RE.SHL SY		D040101083090S	1	
C4080	nsp	C.CERAMIC CHIP T.C COG100PF-J/50V-1608REEL		D010101167160S	1	
C4083	nsp	C.CERAMIC CHIP T.C COG100PF-J/50V-1608REEL		D010101167160S	1	
C4085	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL		D01104577160S	1	
C4086	nsp	C.CERAMIC CHIP HIK X7RJ0.1UF-K/50V-1608REEL		D01104577160S	1	
C4087	nsp	C.ELECT GE 85C 1UF-M/100V,5*11-5RE.SMS SY		D040010086060S	1	
C4088	nsp	C.ELECT GE 85C 1UF-M/100V,5*11-5RE.SMS SY		D040010086060S	1	
C4089	nsp	C.ELECT GE 85C 1UF-M/100V,5*11-5RE.SMS SY		D040010086060S	1	
OTHER PARTS GROUP						
BD4000	nsp	COIL BEAD CB03YTYN121-1608REEL		D340160891210S	1	
BK74143	nsp	BRACKET AVRX2200WBKE3(DENON) SECC t1.0+Sn plating /PCB MT		4010214876000SV	1	
CLP4000	nsp	CLAMP HMX9800(ON)(HAITAI) (W=2.6,L=50)/WIRE(SOLDER)		4330000120000S	1	
CN4211	nsp	CN.WIRE ASSY 260MM/3P YMH025-03R=YBNH250-03 UL2651#22 SJ		L0282261030130S	1	*
CN4212	nsp	CN.WIRE 120MM/10P 20010HS-10=YBNH200-10 UL2651#26 SJ		L026121102620S	1	*
CN4213	nsp	CN.WIRE ASSY 220MM/5P YMH025-05R=YBNH250-05 UL2651#22 SJ		L028221050080S	1	*
CP4001	nsp	CN.WAFER 7.92MM LWB1143-07P 7.92MM HEADER.VER.7CKT		L108011430710S	1	
CP4002	nsp	CN.WAFER C125Z1-15 15P BtoB HEADER(MALE) P=1.25MM		L109012511540S	1	
CP4003	nsp	CN.WAFER C125Z1-19 19P BtoB HEADER(MALE) P=1.25MM		L109012511940S	1	
CP4006	nsp	CN.WAFER C125Z1-11 11P BtoB HEADER(MALE) P=1.25MM		L109012511140S	1	
CP4007	nsp	CN.WAFER C125Z1-09 9P BtoB HEADER(MALE) P=1.25MM		L109012510940S	1	
CP4700	nsp	CN.WAFER C125Z1-15 15P BtoB HEADER(MALE) P=1.25MM		L109012511540S	1	
CP4702	nsp	CN.WAFER C125Z1-11 11P BtoB HEADER(MALE) P=1.25MM		L109012511140S	1	
CP4703	nsp	CN.WAFER C125Z1-07 7P BtoB HEADER(MALE) P=1.25MM		L109012510740S	1	
! F4000	963652010520S	FUSE GLASS TUBE 20MM T6.3A/250V-IVBSUCPCcUR S506		N751506301160S	1	
F4000A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1	
F4000B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1	
! F4001	963652010520S	FUSE GLASS TUBE 20MM T6.3A/250V-IVBSUCPCcUR S506		N751506301160S	1	
F4001A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1	
F4001B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1	
JACK4000	963643102960S	TER.BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)		G611207F02RBYS	1	
JACK4001	963643102960S	TER.BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)		G611207F02RBYS	1	
JACK4002	963643102960S	TER.BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)		G611207F02RBYS	1	
JACK4003	963643102960S	TER.BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)		G611207F02RBYS	1	
JACK4004	963643102960S	TER.BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)		G611207F02RBYS	1	
JACK4005	963643102960S	TER.BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)		G611207F02RBYS	1	
JACK4006	963643102960S	TER.BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)		G611207F02RBYS	1	
JP4003	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
L4000	nsp	COIL.FILTER-INDUCTOR SP-2507 1.0 PI*2UEW TURNS=7T SPRING COIL		D330900001330S	1	
L4001	nsp	COIL.FILTER-INDUCTOR SP-2507 1.0 PI*2UEW TURNS=7T SPRING COIL		D330900001330S	1	
L4002	nsp	COIL.FILTER-INDUCTOR SP-2507 1.0 PI*2UEW TURNS=7T SPRING COIL		D330900001330S	1	
L4003	nsp	COIL.FILTER-INDUCTOR SP-2507 1.0 PI*2UEW TURNS=7T SPRING COIL		D330900001330S	1	
L4004	nsp	COIL.FILTER-INDUCTOR SP-2507 1.0 PI*2UEW TURNS=7T SPRING COIL		D330900001330S	1	
L4005	nsp	COIL.FILTER-INDUCTOR SP-2507 1.0 PI*2UEW TURNS=7T SPRING COIL		D330900001330S	1	
L4006	nsp	COIL.FILTER-INDUCTOR SP-2507 1.0 PI*2UEW TURNS=7T SPRING COIL		D330900001330S	1	
PACK4000	963183100650S	TUNER.FM/AM KST-MW004MV1-R755B 4GANG+MW+50US	U	E903004102750S	1	
PACK4000	963183100660S	TUNER.FM/AM KST-MW104MV1-R75B 4GANG+MW+50US+RDS	N	E903104103750S	1	2

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
PACK4000	963183100670S	TUNER,FM/AM KST-MW004MV1-R75B	K	E903004103750S	1		2
RLY4000	963682100560S	RELAY HFD27/012-S 24V 2A 2회로 2접점(SMALL SIGNAL)		G680240202080S	1		
RLY4001	963682100280D	RELAY JZC-42F/012-2HST 24.4*12.8*24.8mm		G680060103010S	1		
RLY4002	963682100280D	RELAY JZC-42F/012-2HST 24.4*12.8*24.8mm		G680060103010S	1		
RLY4003	963682100280D	RELAY JZC-42F/012-2HST 24.4*12.8*24.8mm		G680060103010S	1		
RLY4004	963682100280D	RELAY JZC-42F/012-2HST 24.4*12.8*24.8mm		G680060103010S	1		
RLY4005	963682100510S	RELAY HF115F/012-2ZS4B		G680060083010S	1		

INPUT PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D4210	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D4211	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D4212	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D4213	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4214	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
IC4200	963235100750S	IC.ELECT VR BD34704KS2 SQFP-T80C 7.1CH SOUND PROCESSOR	J084347040010S	1		
IC5201	963232100450S	IC.LINEAR OP NJM4580CG SOP8	J121458000050S	1		
Q4204	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
Q4205	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q4206	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
Q4207	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
Q4208	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q4209	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
Q4210	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
Q4211	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
U1047	963232100390S	IC.LINEAR OP NJM8080G SOP8 DUAL OP AMP	J121808000010S	1		
U1049	963232100390S	IC.LINEAR OP NJM8080G SOP8 DUAL OP AMP	J121808000010S	1		
U1051	963232100390S	IC.LINEAR OP NJM8080G SOP8 DUAL OP AMP	J121808000010S	1		
U1053	963232100390S	IC.LINEAR OP NJM8080G SOP8 DUAL OP AMP	J121808000010S	1		
ZD4200	963202500290D	D.ZENER ZJ3.6B-0.5W/5MA-52MM SEMTECH	K06003R64522S	1		
RESISTOR GROUP						
R1999	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2000	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2001	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R2002	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2003	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2005	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2006	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2009	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2010	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2011	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2012	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R2013	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2014	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2015	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2017	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2018	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2019	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R2021	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2022	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2024	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2025	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2030	nsp	R.CHIP THICK 150K-J, 1/16W-1608REEL	C20001546M160S	1		
R2031	nsp	R.CHIP THICK 30K-F, 1/10W-1608REEL	C200030340161S	1		
R2034	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2035	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2036	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R2038	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2039	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2040	nsp	R.CHIP THICK 30K-F, 1/10W-1608REEL	C200030340161S	1		
R2041	nsp	R.CHIP THICK 150K-J, 1/16W-1608REEL	C20001546M160S	1		
R2044	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2045	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2046	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R2047	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2048	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2051	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2052	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2056	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2058	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2059	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2060	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R2062	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2063	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2064	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2069	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2070	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2071	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R2072	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2073	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2076	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2077	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2081	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R2082	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2083	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2084	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R2085	nsp	R.CHIP THICK 15K-F, 1/16W-1608REEL	C20001534M161S	1		
R2086	nsp	R.CHIP THICK 820-J, 1/16W-1608REEL	C20008216M160S	1		
R2087	nsp	R.CHIP THICK 11K-F, 1/16W-1608REEL	C20001134M160S	1		
R4216	nsp	R.CHIP THICK 91K-J, 1/16W-1608REEL	C20009136M160S	1		
R4217	nsp	R.CHIP THICK 91K-J, 1/16W-1608REEL	C20009136M160S	1		
R4218	nsp	R.CHIP THICK 91K-J, 1/16W-1608REEL	C20009136M160S	1		
R4219	nsp	R.CHIP THICK 91K-J, 1/16W-1608REEL	C20009136M160S	1		
R4220	nsp	R.CHIP THICK 91K-J, 1/16W-1608REEL	C20009136M160S	1		
R4221	nsp	R.CHIP THICK 91K-J, 1/16W-1608REEL	C20009136M160S	1		
R4240	nsp	R.CHIP THICK 470K-J, 1/16W-1608REEL	C20004746M160S	1		
R4241	nsp	R.CHIP THICK 1K-J, 1/16W-1608REEL	C20001026M160S	1		
R4244	nsp	R.CHIP THICK 470K-J, 1/16W-1608REEL	C20004746M160S	1		
R4245	nsp	R.CHIP THICK 470K-J, 1/16W-1608REEL	C20004746M160S	1		
R4248	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R4255	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R4256	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R4257	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R4258	nsp	R.CHIP THICK 100-J, 1/16W-1608REEL	C20001016M160S	1		
R4259	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4260	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4261	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4262	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4263	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4264	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4265	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4266	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4267	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4268	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		
R4269	nsp	R.CHIP THICK 100K-J, 1/16W-1608REEL	C20001046M160S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R4270	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4271	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4272	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4273	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4274	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4275	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4276	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4291	nsp	R.CHIP THICK 820-J,1/16W-1608REEL	C20008216M160S	1		
R4295	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
R4296	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4297	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL	C20001026M160S	1		
R4298	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL	C20001026M160S	1		
R4299	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL	C20001026M160S	1		
R4300	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4301	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R4302	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4303	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4304	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4551	nsp	R.CHIP THICK 91K-J,1/16W-1608REEL	C20009136M160S	1		
R4552	nsp	R.CHIP THICK 91K-J,1/16W-1608REEL	C20009136M160S	1		
R5300	nsp	R.CHIP THICK 47-J,1/16W-1608REEL	C20004706M160S	1		
R5304	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL	C20004736M160S	1		
R5310	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL	C20004736M160S	1		
R5311	nsp	R.CHIP THICK 47-J,1/16W-1608REEL	C20004706M160S	1		
R5313	nsp	R.CHIP THICK 33-J,1/16W-1608REEL	C20003306M160S	1		
R5314	nsp	R.CHIP THICK 33-J,1/16W-1608REEL	C20003306M160S	1		
R5340	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R5341	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R5342	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5343	nsp	R.CHIP THICK 12K-J,1/16W-1608REEL	C20001236M160S	1		
R5344	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5345	nsp	R.CHIP THICK 12K-J,1/16W-1608REEL	C20001236M160S	1		
R5346	nsp	R.CHIP THICK 12K-J,1/16W-1608REEL	C20001236M160S	1		
R5347	nsp	R.CHIP THICK 12K-J,1/16W-1608REEL	C20001236M160S	1		
CAPACITORS GROUP						
C2137	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2138	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2139	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2140	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2141	nsp	C.ELECT GE 85C 100UF-M/16V,5*11-5RE,SHL SY	D040101083090S	1		
C2142	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2144	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2145	nsp	C.ELECT GE 85C 100UF-M/16V,5*11-5RE,SHL SY	D040101083090S	1		
C2146	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2148	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2151	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2152	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2153	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2155	nsp	C.CERAMIC CHIP T.C CH1240PF-J/50V-1608REEL GRM1882C1H241JA01D	D010241167165S	1		
C2157	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2158	nsp	C.CERAMIC CHIP T.C CH1240PF-J/50V-1608REEL GRM1882C1H241JA01D	D010241167165S	1		
C2162	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2166	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2167	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2170	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2171	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2173	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2180	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2182	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2183	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2184	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C2185	nsp	C.CERAMIC CHIP T.C CH1500PF-J/50V-1608REEL GRM1882C1H152JA01D	D010152167165S	1		
C2186	nsp	C.CERAMIC CHIP T.C CH1330PF-J/50V-1608REEL GRM1882C1H331JA01D	D010331167165S	1		
C4220	nsp	C.ELECT GE 85C 0.1UF-M/50V,5*11-5RE,SMS SY (Pb Free)	D040R10087080S	1		
C4225	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C4226	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C4227	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C4228	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C4237	nsp	C.ELECT GE 85C 47UF-M/50V,6.3*11 KR3-050V470ME110-T/A5.0S KOSHIN	D040470087550S	1		
C4238	nsp	C.ELECT GE 85C 47UF-M/50V,6.3*11 KR3-050V470ME110-T/A5.0S KOSHIN	D040470087550S	1		
C4239	nsp	C.ELECT GE 85C 47UF-M/50V,6.3*11 KR3-050V470ME110-T/A5.0S KOSHIN	D040470087550S	1		
C4240	nsp	C.ELECT GE 85C 47UF-M/25V,5*11 KR3-025V470MC110-T/A5.0S KOSHIN	D040470084550S	1		
C4241	nsp	C.ELECT GE 85C 47UF-M/25V,5*11 KR3-025V470MC110-T/A5.0S KOSHIN	D040470084550S	1		
C4242	nsp	C.ELECT GE 85C 47UF-M/25V,5*11 KR3-025V470MC110-T/A5.0S KOSHIN	D040470084550S	1		
C4243	nsp	C.ELECT GE 85C 47UF-M/25V,5*11 KR3-025V470MC110-T/A5.0S KOSHIN	D040470084550S	1		
C4244	nsp	C.ELECT GE 85C 47UF-M/25V,5*11 KR3-025V470MC110-T/A5.0S KOSHIN	D040470084550S	1		
C4245	nsp	C.ELECT GE 85C 220UF-M/16V,8*11-5RE,SMS-SY	D040221083090S	1		
C4246	nsp	C.ELECT GE 85C 220UF-M/16V,8*11-5RE,SMS-SY	D040221083090S	1		
C4247	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C4248	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C4249	nsp	C.ELECT GE 85C 0.1UF-M/50V,5*11-5RE,SMS SY (Pb Free)	D040R10087080S	1		
C4250	nsp	C.ELECT GE 85C 0.1UF-M/50V,5*11-5RE,SMS SY (Pb Free)	D040R10087080S	1		
C4251	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C4252	nsp	C.ELECT GE 85C 0.1UF-M/50V,5*11-5RE,SMS SY (Pb Free)	D040R10087080S	1		
C5251	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C5255	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C5257	00D9630223902	C.CERAMIC CHIP T.C COG39PF-J/50V-1608REEL	D010390167160S	1		
C5258	nsp	C.ELECT GE 85C 22UF-M/50V,5*11-5RE,SMS SY	D040220087060S	1		
C5262	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C5266	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY	D040100087070S	1		
C5267	nsp	C.ELECT GE 85C 22UF-M/50V,5*11-5RE,SMS SY	D040220087060S	1		
C5275	00D9630223902	C.CERAMIC CHIP T.C COG39PF-J/50V-1608REEL	D010390167160S	1		
OTHER PARTS GROUP						
BKT5000	nsp	BRACKET AVR2200WBKE3(DENON)BURNING HOLE SPCC 10.8+SN A4/S	401021019610DS	1		
BKT5001	nsp	BRACKET AVR2200WBKE3(DENON)BURNING HOLE SPCC 10.8+SN A4/S	401021019610DS	1		
CLAMP701	nsp	CLAMP HMX9800(ON)(HAITAI) (W=2.6L=50)WIRE(SOLDER)	4330000120000S	1		
CLAMP702	nsp	CLAMP HMX9800(ON)(HAITAI) (W=2.6L=50)WIRE(SOLDER)	4330000120000S	1		
CN4006	nsp	CN.WAFER C125Z2-11C 11P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012521150S	1		
CN4205	nsp	CN.WAFER C125Z2-15C 15P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012521550S	1		
CN4701	nsp	CN.WAFER C125Z2-15C 15P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012521550S	1		
CN4703	nsp	CN.WAFER C125Z2-09C 9P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012520950S	1		
CP4200	nsp	CN.WAFER C125Z1-15 15P BtoB HEADER(MALE) P=1.25MM	L109012511540S	1		
CP4201	nsp	CN.WAFER C125Z1-23 23P BtoB HEADER(MALE) P=1.25MM	L109012512340S	1		
CP4202	nsp	CN.WAFER C125Z1-15 15P BtoB HEADER(MALE) P=1.25MM	L109012511540S	1		
CP4204	nsp	CN.WAFER C125Z1-11 11P BtoB HEADER(MALE) P=1.25MM	L109012511140S	1		
CP4205	nsp	CN.WAFER C125Z1-27 27P BtoB HEADER(MALE) P=1.25MM	L109012512740S	1		
CP4207	nsp	CN.WAFER C125Z1-21 21P BtoB HEADER(MALE) P=1.25MM	L109012512140S	1		
JW4001	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
JW4002	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		

SMPS PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D4140	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4141	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4142	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4143	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4144	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4145	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4146	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
! D4147	203050019501S	D.FAST RECOVERY AP01C-V1 52RE-AX FAST RECOVERY RECTIFIER DIODES		K050000015000S	1	
D4148	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4149	963204500210D	D.SCHOTTKY S30SC6MT 60V 30A TO-3P(MTO-3PT) SHINDENGEN		K120300600010S	1	
D4150	963201500530S	D.SWITCHING 1N4148		K000414800050S	1	
IC4140	943231102160S	IC.LINEAR POWER TOP268VG eDIP-12 OFF-LINE POWER SUPPLY IC		J122268001010S	1	
! IC4142	00D2623047008	PHOTO.COUPLER PC123X2YFZ (DIP4P SHARP)		K614123000010S	1	
IC4143	212050010508S	IC.LINEAR-REGULATOR KIA2431AP,0.7W TO-92		J126243118010S	1	
TR4140	943229500110S	SEMI,FET CHIP INK0010AC1 N-CH MOSFET SC-59 ISAHAYA		J543001012010S	1	
TR4142	963213500170D	SEMI,TR/GE NPN 2SC KTC3198G 0.6W/T092-REEL		J5023198G0000S	1	
U4000	943239100730S	IC.LINEAR-RESET PST8448UR SYSTEM RESET SC-82AB MITSUMI		J125844800010S	1	
ZD4147	963202500370D	D.ZENER ZJ39B-0.5W/5MA-52MM SEMTECH	U	K06039R044522S	1	
ZD4148	963202500370D	D.ZENER ZJ39B-0.5W/5MA-52MM SEMTECH	U	K06039R044522S	1	
ZD4149	963202500370D	D.ZENER ZJ39B-0.5W/5MA-52MM SEMTECH	U	K06039R044522S	1	
ZD4150	963202500970S	D.ZENER ZJ27B-0.5W/5MA-52MM SEMTECH		K06027R044522S	1	
ZD4151	963202500350D	D.ZENER ZJ22B-0.5W/5MA-52MM SEMTECH		K06022R044522S	1	
ZD4152	963202500350D	D.ZENER ZJ22B-0.5W/5MA-52MM SEMTECH		K06022R044522S	1	
ZD4153	963202500350D	D.ZENER ZJ22B-0.5W/5MA-52MM SEMTECH		K06022R044522S	1	
ZD4154	963202500350D	D.ZENER ZJ22B-0.5W/5MA-52MM SEMTECH		K06022R044522S	1	
ZD4155	963202500350D	D.ZENER ZJ22B-0.5W/5MA-52MM SEMTECH		K06022R044522S	1	
ZD4156	963202500350D	D.ZENER ZJ22B-0.5W/5MA-52MM SEMTECH		K06022R044522S	1	
ZD4157	963202500350D	D.ZENER ZJ22B-0.5W/5MA-52MM SEMTECH		K06022R044522S	1	
ZD4158	963202500370D	D.ZENER ZJ39B-0.5W/5MA-52MM SEMTECH		K06039R044522S	1	
ZD4159	963202500320D	D.ZENER ZJ5.6B-0.5W/5MA-52MM SEMTECH		K06005R644522S	1	
ZD4160	963202501020S	D.ZENER ZJ7.5B-0.5W/5MA-52MM SEMTECH	U	K06007R544522S	1	
ZD4160	963202500340D	D.ZENER ZJ15B-0.5W/5MA-52MM SEMTECH	N, K	K06015R044522S	1	
ZD4162	963202500960S	D.ZENER ZJ12B-0.5W/5MA-52MM SEMTECH		K06012R044522S	1	
ZD4163	963202500960S	D.ZENER ZJ12B-0.5W/5MA-52MM SEMTECH		K06012R044522S	1	
ZD4164	963202500960S	D.ZENER ZJ12B-0.5W/5MA-52MM SEMTECH		K06012R044522S	1	
ZD4165	963202500340D	D.ZENER ZJ15B-0.5W/5MA-52MM SEMTECH	U	K06015R044522S	1	
RESISTOR GROUP						
R4141	nsp	R.CARBON FILM 1M-J,1/5W-52RE-AX		C00001056P520S	1	
R4142	nsp	R.CARBON FILM 1M-J,1/5W-52RE-AX		C00001056P520S	1	
R4143	nsp	R.CARBON FILM 330K-J,1/5W-52RE-AX		C00003346P520S	1	
R4145	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL		C20001056M160S	1	
R4147	nsp	R.CHIP THICK 270K-J,1/16W-1608REEL	U	C20002746M160S	1	
R4147	nsp	R.CHIP THICK 56K-J,1/16W-1608REEL	N, K	C20005636M160S	1	
R4148	nsp	R.CARBON FILM 2.2M-J,1/5W-52RE-AX	U	C00002256P520S	1	
R4149	nsp	R.CARBON FILM 2.2M-J,1/5W-52RE-AX	U	C00002256P520S	1	
R4150	nsp	R.CARBON FILM 1M-J,1/5W-52RE-AX	U	C00001056P520S	1	
R4151	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	1	
R4152	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	U	C20001036M160S	1	
R4152	nsp	R.CHIP THICK 20K-J,1/16W-1608REEL	N, K	C20002036M160S	1	
R4153	nsp	R.CARBON FILM 6.8-J,1/5W-52RE-AX		C0006R806P520S	1	
R4154	nsp	R.CHIP THICK 10-J,1/16W-1608REEL		C20001006M160S	1	
R4155	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4156	nsp	R.CHIP THICK 4.7K-J,1/16W-1608REEL		C20004726M160S	1	
R4157	nsp	R.CARBON FILM 56-J,1/5W-52RE-AX		C00005606P520S	1	
R4158	nsp	R.CARBON FILM 3.3K-J,1/5W-52RE-AX		C00003326P520S	1	
R4159	nsp	R.CARBON FILM 5.6K-J,1/5W-52RE-AX		C00005626P520S	1	
R4160	nsp	R.CHIP THICK 22K-F,1/16W-1608REEL		C20002234M161S	1	
R4161	nsp	R.CHIP THICK 6.8K-D,1/16W-1608REEL		C20006821M160S	1	
R4163	nsp	R.CHIP THICK 47-F,1/16W-1608REEL		C20004704M161S	1	
R4164	nsp	R.CARBON FILM 1M-J,1/5W-52RE-AX		C00001056P520S	1	
R4165	963125012630S	R.METAL FILM 100PPM 22-J,1W-5REEL		C060022065050S	1	
CAPACITORS GROUP						
C4000	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
C4001	nsp	C.CERAMIC CHIP HIK X7R0.015UF-K/50V-1608REEL		D011153777160S	1	
! C4140	13905002920AS	C.CERAMIC AC(SAFETY) DE1B3KX471KB4BN01F AC250V BULK MURATA		D00847127H020S	1	
! C4141	13905002920AS	C.CERAMIC AC(SAFETY) DE1B3KX471KB4BN01F AC250V BULK MURATA		D00847127H020S	1	
! C4142	13905002420AS	C.CERAMIC AC(SAFETY) DE2F3KY103MB3BM02F AC250V BULK MURATA	U	D008103589020S	1	
! C4142	963132011940S	C.CERAMIC AC(SAFETY) DE2F3KY103MB3BM02 AC250V BULK MURATA	N, K	D008103589010S	1	
! C4143	963133502620S	C.FILM P.PROPYLENE 0.22UF-K/275V BULK X2 MPX224K3ID3 P=15MM CARLI	U	D01222407H010S	1	
! C4143	963133502610S	C.FILM P.PROPYLENE 0.1UF-K/275V BULK X2 MPX104K3ID2 P=15MM CARLI	N, K	D02110407H010S	1	
C4145	nsp	C.CERAMIC CHIP T.C X7R 0.047UF-K/50V-1608REEL		D010473777160S	1	
C4147	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
! C4148	13905002420AS	C.CERAMIC AC(SAFETY) DE2F3KY103MB3BM02F AC250V BULK MURATA	U	D008103589020S	1	
! C4148	963132011940S	C.CERAMIC AC(SAFETY) DE2F3KY103MB3BM02 AC250V BULK MURATA	N, K	D008103589010S	1	
! C4149	13905002420AS	C.CERAMIC AC(SAFETY) DE2F3KY103MB3BM02F AC250V BULK MURATA	U	D008103589020S	1	
! C4149	963132011940S	C.CERAMIC AC(SAFETY) DE2F3KY103MB3BM02 AC250V BULK MURATA	N, K	D008103589010S	1	
C4150	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
C4151	943134501590S	C.ELECT GE 105C 100UF-M/200V,16*20 BULK 5.0MC NHA SY	U	D04110108G000S	1	
C4151	963134010200S	C.ELECT 100UF-M/400V,18*31	N, K	D04110108K000S	1	
C4152	963134010210S	C.ELECT GE 105C 47UF-M/25V,5*11-5RE NXA SY		D041470084050S	1	
C4153	963132100680S	C.CERAMIC CHIP T.C U2J)1000PF-J/1KV-3216REEL GRM31C7U3A102JW32L		D01010286Q303S	1	
C4154	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
C4155	963134010190S	C.ELECT GE 105C 10UF-M/50V,5*11-5RE NXA SY		D041100087050S	1	
! C4156	13905002520AS	C.CERAMIC AC(SAFETY) DE1E3KX332MB4BN01F		D00833208H010S	1	
C4159	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
C4160	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1	
C4161	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D011475571160S	1	
C4162	963134010220S	C.ELECT GE 105C 5600UF-M/6.3V,12.5*35 NXA SY		D041562081001S	1	
C4163	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1	
C4164	963134010220S	C.ELECT GE 105C 5600UF-M/6.3V,12.5*35 NXA SY		D041562081001S	1	
C4165	963134010220S	C.ELECT GE 105C 5600UF-M/6.3V,12.5*35 NXA SY		D041562081001S	1	
C4166	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
C4169	963133502510S	C.FILM POLYESTER ST-0.0022UF-J/100V-5RE HPE222J2AP050T DAEHUNG		D02022206C250S	1	
OTHER PARTS GROUP						
BKT4140	nsp	BRACKET AVRX2200WBKE3(DENON)BURNING HOLE SPCC 10.8*SN A4/S		401021019610DS	1	
BKT4141	nsp	BRACKET AVRX2200WBKE3(DENON)BURNING HOLE SPCC 10.8*SN A4/S		401021019610DS	1	
BKT4143	nsp	BRACKET AVRX2200WBKE3(DENON) SPCC 10.8*SN plating A4/SCREW		401021019600DS	1	
CN4141	nsp	CN.WIRE 150MM/6P YMH025-06R=YBNH250-06 UL2651#22 SJ		L026151060180S	1	*
! CP4140	nsp	CN.WAFER 7.92MM PLUG YW396-03AV 2P		L108396030010S	1	
! CP4142	nsp	CN.WAFER 7.92MM LWB1143-02P 7.92MM HEADER,VER.2CKT		L108011430210S	1	
! F4140	963652010510S	FUSE GLASS TUBE 20MM T2A/250V-IVBSUCPCcUR S506	U	N751502001160S	1	
! F4140	963652010500S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506	N, K	N751501601160S	1	
! F4141	963652010520S	FUSE GLASS TUBE 20MM T6.3A/250V-IVBSUCPCcUR S506	U	N751506301160S	1	
! F4141	963652010910S	FUSE GLASS TUBE 20MM T3.15A/250V	N, K	N751503151160S	1	
! FC4140A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1	

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	FC4140B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
	FC4141A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
	FC4141B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
!	L4140	963111101060S	COIL,LINE FILTER SQ2014 27mH VERTICAL TYPE LINE FILTER	U	D320201405510V	1		
!	L4140	963111101070S	COIL,LINE FILTER SQ2014 50mH	N, K	D320201405000V	1		
!	RLY4140	963682100290D	RELAY JZC-36FD/005-HLT 23.8*9.5*24.5mm		G680060103030S	1		
!	T4140	963102100540S	TRANS,SWITCHING EER2525 SW TRANSFORMER		E060252505510V	1		

AMP PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D401	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D402	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D405	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D406	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D407	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D408	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D411	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D412	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D413	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D414	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D417	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D418	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D419	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D420	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D423	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D424	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D425	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D426	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D429	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D430	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D431	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D432	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D435	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D436	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D437	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D438	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D441	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D442	963201500530S	D.SWITCHING 1N4148	K000414800050S	1		
D458	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
Q401	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q402	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q403	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL	J520254010010S	1		
Q405	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL	J520254010010S	1		
Q406	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL	J522255510010S	1		
Q407	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J	J520040600210S	1		
Q408	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J	J520040600210S	1		
Q411	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q412	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q413	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q414	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q415	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL	J520254010010S	1		
Q418	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL	J522255510010S	1		
Q419	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J	J520040600210S	1		
Q420	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J	J520040600210S	1		
Q423	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q424	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q425	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q426	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q427	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL	J520254010010S	1		
Q429	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J	J520040600210S	1		
Q430	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL	J522255510010S	1		
Q431	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J	J520040600210S	1		
Q432	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J	J520040600210S	1		
Q435	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q436	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q437	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q438	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q439	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL	J520254010010S	1		
Q442	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL	J522255510010S	1		
Q447	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q448	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q449	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q450	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q451	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL	J520254010010S	1		
Q454	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL	J522255510010S	1		
Q459	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q460	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q461	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q462	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q463	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL	J520254010010S	1		
Q466	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL	J522255510010S	1		
Q471	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q472	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q473	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q474	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL	J5001024Y0050S	1		
Q475	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL	J520254010010S	1		
Q478	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL	J522255510010S	1		
Q483	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
Q484	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL	J5023206Y0050S	1		
ZD401	963202500300D	D.ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH	K06005R134522S	1		
ZD404	963202500300D	D.ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH	K06005R134522S	1		
ZD407	963202500300D	D.ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH	K06005R134522S	1		
ZD410	963202500300D	D.ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH	K06005R134522S	1		
ZD413	963202500300D	D.ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH	K06005R134522S	1		
ZD416	963202500300D	D.ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH	K06005R134522S	1		
ZD419	963202500300D	D.ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH	K06005R134522S	1		
RESISTOR GROUP						
R401	nsp	R.CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R402	nsp	R.CARBON FILM 100K-J,1/5W-52RE-AX	C00001046P520S	1		
R403	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R405	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R406	963252100150S	POSISTOR DHPTF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R407	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R409	nsp	R.CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		
R410	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R411	nsp	R.CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R412	nsp	R.CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R413	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R414	nsp	R.CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	1		
R415	963125012630S	R.METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R416	nsp	R.CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R417	nsp	R.CHIP THICK 160K-J,1/16W-1608REEL	C20001646M160S	1		
R418	963125500130S	R.METAL FILM 100PPM 12K-J,2W-R.REEL	C060012366050S	1		
R419	nsp	R.CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R420	nsp	R.CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R421	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R422	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R423	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R424	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R425	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R426	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R427	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R428	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R429	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R430	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R431	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R432	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R433	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R434	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R435	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R436	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R437	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R438	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R439	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R440	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R441	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R442	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R443	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R444	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R446	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX	C00001046P520S	1		
R447	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R448	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R450	963252100150S	POSISTOR DHPTF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R452	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		
R453	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R454	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R455	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R456	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	1		
R457	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	1		
R458	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R459	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R460	nsp	R,CHIP THICK 160K-J,1/16W-1608REEL	C20001646M160S	1		
R461	963125500130S	R,METAL FILM 100PPM 12K-J,2W-R.REEL	C060012366050S	1		
R462	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R463	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R464	252310006544S	POSISTOR PTC PRF18BF471QB5RB SMD1608 75T	F320184710060S	1		
R465	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R466	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R467	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R468	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R469	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R471	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R472	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R473	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R474	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R475	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R476	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R477	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R478	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R479	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R480	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R481	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R482	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R483	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R484	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R485	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R486	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R487	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R488	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R490	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX	C00001046P520S	1		
R491	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R492	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R494	963252100150S	POSISTOR DHPTF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R496	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		
R497	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R498	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R499	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R500	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R501	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R502	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R503	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R504	nsp	R,CHIP THICK 160K-J,1/16W-1608REEL	C20001646M160S	1		
R505	963125500130S	R,METAL FILM 100PPM 12K-J,2W-R.REEL	C060012366050S	1		
R506	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R507	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R509	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R510	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R511	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R512	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R513	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R514	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R515	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R516	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R517	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R518	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R519	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R520	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R521	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R522	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R523	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R524	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R525	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R526	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R527	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R528	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R529	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R530	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R531	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R532	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX	C00001046P520S	1		
R533	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R535	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R536	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R537	963252100150S	POSISTOR DHPTF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R539	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		
R540	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R541	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R542	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R543	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R544	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	1		
R545	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R546	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R547	nsp	R,CHIP THICK 160K-J,1/16W-1608REEL	C20001646M160S	1		
R548	963125500130S	R,METAL FILM 100PPM 12K-J,2W-R.REEL	C060012366050S	1		
R549	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R550	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R552	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R553	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R554	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R555	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R556	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R557	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R558	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R559	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R560	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R561	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R562	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R563	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R564	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R565	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R566	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R567	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R568	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R569	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R570	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R571	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R572	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R573	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R574	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R575	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX	C00001046P520S	1		
R576	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R578	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R580	963252100150S	POSISTOR DHPTF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R582	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		
R583	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R584	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R585	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R586	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R587	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R588	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R589	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R590	nsp	R,CHIP THICK 160K-J,1/16W-1608REEL	C20001646M160S	1		
R591	963125500130S	R,METAL FILM 100PPM 12K-J,2W-R.REEL	C060012366050S	1		
R592	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R593	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R595	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R596	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R597	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R598	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R599	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R600	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R601	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R602	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R603	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R604	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R605	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R606	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R607	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R608	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R609	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R610	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R611	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R612	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R613	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R614	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R615	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R616	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R617	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R618	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX	C00001046P520S	1		
R619	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R621	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R623	963252100150S	POSISTOR DHPTF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R625	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		
R626	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R627	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R628	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R629	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	1		
R630	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	1		
R631	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R632	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R633	nsp	R,CHIP THICK 160K-J,1/16W-1608REEL	C20001646M160S	1		
R634	963125500130S	R,METAL FILM 100PPM 12K-J,2W-R.REEL	C060012366050S	1		
R635	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R636	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R638	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R639	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R640	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R641	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R642	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R643	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R644	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R645	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R646	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R647	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R648	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R649	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R650	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R651	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R652	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R653	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R654	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R655	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R656	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R657	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R658	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R659	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R660	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R661	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX	C00001046P520S	1		
R662	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R664	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R666	963252100150S	POSISTOR DHPTF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R668	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R669	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R670	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R671	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R672	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	1		
R673	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	1		
R674	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R675	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R676	nsp	R,CHIP THICK 160K-J,1/16W-1608REEL	C20001646M160S	1		
R677	963125500130S	R,METAL FILM 100PPM 12K-J,2W-R.REEL	C060012366050S	1		
R678	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R679	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R681	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R682	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R683	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R684	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R685	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R686	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R687	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R688	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R689	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R690	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	1		
R691	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R692	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R693	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R694	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R695	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R696	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R697	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R698	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R699	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R700	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R701	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	1		
R702	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R703	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R704	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R705	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R706	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R707	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R708	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R709	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R710	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R711	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R712	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R713	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R714	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R715	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R716	nsp	CN,WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R717	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R718	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R719	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R720	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R721	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R722	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R723	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R724	nsp	R,CHIP THICK 56K-J,1/16W-1608REEL	C20005636M160S	1		
R725	nsp	R,CHIP THICK 56K-J,1/16W-1608REEL	C20005636M160S	1		
R726	nsp	R,CHIP THICK 56K-J,1/16W-1608REEL	C20005636M160S	1		
R727	nsp	R,CHIP THICK 56K-J,1/16W-1608REEL	C20005636M160S	1		
R728	nsp	R,CHIP THICK 56K-J,1/16W-1608REEL	C20005636M160S	1		
R729	nsp	R,CHIP THICK 56K-J,1/16W-1608REEL	C20005636M160S	1		
R730	nsp	R,CHIP THICK 56K-J,1/16W-1608REEL	C20005636M160S	1		
R731	nsp	R,CHIP THICK 2.2K-J,1/16W-1608REEL	C20002226M160S	1		
R732	nsp	R,CHIP THICK 2.2K-J,1/16W-1608REEL	C20002226M160S	1		
CAPACITORS GROUP						
C401	nsp	C,CERAMIC CHIP HIK X7Rj0.1UF-K/50V-1608REEL	D011104577160S	1		
C403	nsp	C,CERAMIC CHIP T.C X7Rj0.01UF-K/50V-1608REEL	D010103777160S	1		
C405	nsp	C,CERAMIC CHIP T.C COGJ220PF-/J/50V-1608REEL	D010221167160S	1		
C406	963133501540S	C,FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C407	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C408	00D2544573994	C,ELECT GE 85C 22UF-M/50V,5*11 RA3-50V220ME3#8P-T2 ELNA	D040220087330S	1		
C409	nsp	C,CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C410	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C411	nsp	C,CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C412	963133502480S	C,FILM POLYESTER ST-0.00047UF-J/100V-5RE HPE471J2AP050T DAEHUNG	D02047106C250S	1		
C413	nsp	C,CERAMIC CHIP HIK X7Rj2200PF-K/50V-2012REEL	D01122277200S	1		
C415	nsp	C,ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	1		
C416	nsp	C,ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	1		
C418	nsp	C,CERAMIC CHIP HIK X7Rj0.1UF-K/50V-1608REEL	D011104577160S	1		
C421	nsp	C,CERAMIC CHIP T.C COGJ220PF-/J/50V-1608REEL	D010221167160S	1		
C422	963133501540S	C,FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C423	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C424	00D2544573994	C,ELECT GE 85C 22UF-M/50V,5*11 RA3-50V220ME3#8P-T2 ELNA	D040220087330S	1		
C425	nsp	C,CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C426	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C427	nsp	C,CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C428	963133502480S	C,FILM POLYESTER ST-0.00047UF-J/100V-5RE HPE471J2AP050T DAEHUNG	D02047106C250S	1		
C429	nsp	C,CERAMIC CHIP HIK X7Rj2200PF-K/50V-2012REEL	D01122277200S	1		
C431	nsp	C,ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	1		
C432	nsp	C,ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	1		
C434	nsp	C,CERAMIC CHIP HIK X7Rj0.1UF-K/50V-1608REEL	D011104577160S	1		
C437	nsp	C,CERAMIC CHIP T.C COGJ220PF-/J/50V-1608REEL	D010221167160S	1		
C438	963133501540S	C,FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C439	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C440	00D2544573994	C,ELECT GE 85C 22UF-M/50V,5*11 RA3-50V220ME3#8P-T2 ELNA	D040220087330S	1		
C441	nsp	C,CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C442	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C443	nsp	C,CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C444	963133502480S	C,FILM POLYESTER ST-0.00047UF-J/100V-5RE HPE471J2AP050T DAEHUNG	D02047106C250S	1		
C445	nsp	C,CERAMIC CHIP HIK X7Rj2200PF-K/50V-2012REEL	D01122277200S	1		
C447	nsp	C,ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	1		
C448	nsp	C,ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	1		
C450	nsp	C,CERAMIC CHIP HIK X7Rj0.1UF-K/50V-1608REEL	D011104577160S	1		
C453	nsp	C,CERAMIC CHIP T.C COGJ220PF-/J/50V-1608REEL	D010221167160S	1		
C454	963133501540S	C,FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C455	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C456	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE,SMS SY	D040220087060S	1		
C457	nsp	C,CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C458	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C459	nsp	C,CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C460	963133502480S	C,FILM POLYESTER ST-0.00047UF-J/100V-5RE HPE471J2AP050T DAEHUNG	D02047106C250S	1		
C461	nsp	C,CERAMIC CHIP HIK X7Rj2200PF-K/50V-2012REEL	D01122277200S	1		
C463	nsp	C,ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	1		
C464	nsp	C,ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C466	nsp	C.CERAMIC CHIP HIK X7R0J0.1UF-K/50V-1608REEL		D011104577160S	1	
C469	nsp	C.CERAMIC CHIP T.C COG/J220PF-J/50V-1608REEL		D010221167160S	1	
C470	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE		D02022106C050S	1	
C471	nsp	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN		D040101087550S	1	
C472	nsp	C.ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY		D040220087060S	1	
C473	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE		D00447127D050S	1	
C474	nsp	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN		D040101087550S	1	
C475	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE		D00447127D050S	1	
C476	963133502480S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE HPE471J2AP050T DAEHUNG		D02047106C250S	1	
C477	nsp	C.CERAMIC CHIP HIK X7R0J2200PF-K/50V-2012REEL		D011222777200S	1	
C479	nsp	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE.SMS SY		D04010008C050S	1	
C480	nsp	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE.SMS SY		D04010008C050S	1	
C482	nsp	C.CERAMIC CHIP HIK X7R0J0.1UF-K/50V-1608REEL		D011104577160S	1	
C485	nsp	C.CERAMIC CHIP T.C COG/J220PF-J/50V-1608REEL		D010221167160S	1	
C486	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE		D02022106C050S	1	
C487	nsp	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN		D040101087550S	1	
C488	nsp	C.ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY		D040220087060S	1	
C489	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE		D00447127D050S	1	
C490	nsp	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN		D040101087550S	1	
C491	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE		D00447127D050S	1	
C492	963133502480S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE HPE471J2AP050T DAEHUNG		D02047106C250S	1	
C493	nsp	C.CERAMIC CHIP HIK X7R0J2200PF-K/50V-2012REEL		D011222777200S	1	
C495	nsp	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE.SMS SY		D04010008C050S	1	
C496	nsp	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE.SMS SY		D04010008C050S	1	
C498	nsp	C.CERAMIC CHIP HIK X7R0J0.1UF-K/50V-1608REEL		D011104577160S	1	
C501	nsp	C.CERAMIC CHIP T.C COG/J220PF-J/50V-1608REEL		D010221167160S	1	
C502	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE		D02022106C050S	1	
C503	nsp	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN		D040101087550S	1	
C504	nsp	C.ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY		D040220087060S	1	
C505	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE		D00447127D050S	1	
C506	nsp	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN		D040101087550S	1	
C507	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE		D00447127D050S	1	
C508	963133502480S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE HPE471J2AP050T DAEHUNG		D02047106C250S	1	
C509	nsp	C.CERAMIC CHIP HIK X7R0J2200PF-K/50V-2012REEL		D011222777200S	1	
C511	nsp	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE.SMS SY		D04010008C050S	1	
C512	nsp	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE.SMS SY		D04010008C050S	1	
C513	nsp	C.ELECT GE 85C 330UF-M/6.3V,6.3*11-5RE SMS SY		D040331081050S	1	
C514	nsp	C.ELECT GE 85C 330UF-M/6.3V,6.3*11-5RE SMS SY		D040331081050S	1	
C515	00D2544538913	C.ELECT GE 85C 22UF-M/16V,5*11-5RE.SMS SY		D040220083070S	1	
OTHER PARTS GROUP						
CLAMP400	nsp	CLAMP HMX9800(ONY(HAITAI)) (W=2.6L=50)WIRE(SOLDER)		4330000120000S	1	
CLAMP401	nsp	CLAMP HMX9800(ONY(HAITAI)) (W=2.6L=50)WIRE(SOLDER)		4330000120000S	1	
CN404	nsp	CN.WIRE 170MM/7P 20010HS-07=YBNH200-07 UL2651#26 SJ		L026171070070S	1	*
CP401	nsp	CN.WAFER 2.0MM SC52137-131A DIP13P STRAIGHT		L101521371310S	1	
CP402	nsp	CN.WAFER 2.5MM YMW025-05R DIP ST		L102025050020S	1	
CP403	nsp	CN.WAFER 2.0MM SC52137-101A DIP10P STRAIGHT		L101521371010S	1	
CP405	nsp	CN.WAFER 2.5MM YMW025-03R DIP ST		L102025030020S	1	
CP501	nsp	CN.WAFER 2.0MM SC52136-021A DIP2P RIGHT ANGLE		L101521360220S	1	
CP502	nsp	CN.WAFER 2.0MM SC52136-021A DIP2P RIGHT ANGLE		L101521360220S	1	
CP503	nsp	CN.WAFER 2.0MM SC52136-021A DIP2P RIGHT ANGLE		L101521360220S	1	
CP504	nsp	CN.WAFER 2.0MM SC52136-021A DIP2P RIGHT ANGLE		L101521360220S	1	
CP505	nsp	CN.WAFER 2.0MM SC52136-021A DIP2P RIGHT ANGLE		L101521360220S	1	
CP506	nsp	CN.WAFER 2.0MM SC52136-021A DIP2P RIGHT ANGLE		L101521360220S	1	
CP507	nsp	CN.WAFER 2.0MM SC52136-021A DIP2P RIGHT ANGLE		L101521360220S	1	
G403	nsp	CN.WIRE 470MM/1P CKM9919T=CKM9919T BK1007#20		L000471010020S	1	
VR411	963161012400S	VR.SEMI CARBON MOLD EVN-DCAA03B13/REEL 1KB		C541102315000S	1	
VR412	963161012400S	VR.SEMI CARBON MOLD EVN-DCAA03B13/REEL 1KB		C541102315000S	1	
VR413	963161012400S	VR.SEMI CARBON MOLD EVN-DCAA03B13/REEL 1KB		C541102315000S	1	
VR414	963161012400S	VR.SEMI CARBON MOLD EVN-DCAA03B13/REEL 1KB		C541102315000S	1	
VR415	963161012400S	VR.SEMI CARBON MOLD EVN-DCAA03B13/REEL 1KB		C541102315000S	1	
VR416	963161012400S	VR.SEMI CARBON MOLD EVN-DCAA03B13/REEL 1KB		C541102315000S	1	
VR417	963161012400S	VR.SEMI CARBON MOLD EVN-DCAA03B13/REEL 1KB		C541102315000S	1	

HDMI PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D1089	963204500220D	D.SCHOTTKY CHIP LRB521S-30T1G SOD523 SCHOTTKY BARRIER DIODE	K125521305230S	1		
D1090	963204500220D	D.SCHOTTKY CHIP LRB521S-30T1G SOD523 SCHOTTKY BARRIER DIODE	K125521305230S	1		
D1096	963204500220D	D.SCHOTTKY CHIP LRB521S-30T1G SOD523 SCHOTTKY BARRIER DIODE	K125521305230S	1		
D1097	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D1104	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D1105	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
Q1000	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1001	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1002	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1003	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1004	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1005	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1009	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1010	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1011	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1012	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1013	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1014	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1015	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1016	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1018	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1019	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1022	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1023	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1024	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1025	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1026	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1027	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1028	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1029	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1030	963212500030S	SEMI.CHIP TR/PNP 2SA ISA1530AC1 0.2W/SC-59 ISAHAYA	J520015301210S	1		
Q1031	963212500030S	SEMI.CHIP TR/PNP 2SA ISA1530AC1 0.2W/SC-59 ISAHAYA	J520015301210S	1		
Q1032	963212500030S	SEMI.CHIP TR/PNP 2SA ISA1530AC1 0.2W/SC-59 ISAHAYA	J520015301210S	1		
Q1041	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1042	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1043	963219002180S	SEMI.CHIP TR/NPN 2SD 2SD2114KT146W SMT3 SOT23-REEL	J5232114K0010S	1		
Q1046S	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1047S	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1052	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1055	963212500280S	SEMI.CHIP TR/PNP 2SA 2SA2166 0.2W/SC-59 ISAHAYA	J520216601210S	1		
Q1056	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1057	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1058	00D2757001907	SEMI.FET CHIP FDC608P2 P-CH 2.5V MOSFET SOT6	J543608000010S	1		
Q1059	963212500280S	SEMI.CHIP TR/PNP 2SA 2SA2166 0.2W/SC-59 ISAHAYA	J520216601210S	1		
Q1060	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1062	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1063	00D2757001907	SEMI.FET CHIP FDC608P2 P-CH 2.5V MOSFET SOT6	J543608000010S	1		
Q1064	963212500280S	SEMI.CHIP TR/PNP 2SA 2SA2166 0.2W/SC-59 ISAHAYA	J520216601210S	1		
Q1065	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1066	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1067	00D2757001907	SEMI.FET CHIP FDC608P2 P-CH 2.5V MOSFET SOT6	J543608000010S	1		
Q1070	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1071	00D2757001907	SEMI.FET CHIP FDC608P2 P-CH 2.5V MOSFET SOT6	J543608000010S	1		
Q1072	963212500280S	SEMI.CHIP TR/PNP 2SA 2SA2166 0.2W/SC-59 ISAHAYA	J520216601210S	1		
Q1073	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1075	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1076	963212500280S	SEMI.CHIP TR/PNP 2SA 2SA2166 0.2W/SC-59 ISAHAYA	J520216601210S	1		
Q2202	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q3630	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
U1000	23681050460AS	IC.LOGIC MN864788 HDMI HQFP144P	J040864788010S	1		
U1002	963239101350S	IC.LOGIC SN74CBT3251PWR TSSOP16 FET MUX/DEMUX	J040743251030S	1		
U1003	23681050460AS	IC.LOGIC MN864788 HDMI HQFP144P	J040864788010S	1		
U1005	23671011050AS	IC.LOGIC-DECODER MFI337S3959 COPROCESSOR(IPOD) DENON SAGUB	J044337395910S	1		
U1006	963239101360S	IC.LOGIC-INTERFACE BD82065FVJ CURRENT LIMIT 2.4A TSSOP-B8J	J046820650010S	1		
U1007	nsp	PIN JUMPER PIN HEADER 1.27MM 64P BOX HEADER C127-BH60-64G	L424012762640S	1		
U1008	nsp	PIN JUMPER PIN HEADER 1.27MM 64P BOX HEADER C127-BH60-64G	L424012762640S	1		
U1010	24681009260AS	IC.MEMORY FLASH MX25L25635FMI-10G 256M SERIAL FLASH SOP16 See PROCEDURE AFTER REPLACING THE U-COM, ETC.	J005252561010S	1		
U1016	00D2623444902	IC.LOGIC TC74VHC08FT CMOS 2-INPUT AND GATE TSSOP14 P-0.65	J040740800280S	1		
U1018	963243103370S	IC.CPU MICRO PROCESS R5F564MJCDFC See PROCEDURE AFTER REPLACING THE U-COM, ETC.	8952SR5011020	1	*	
U1022S	236810064604S	IC.LOGIC AD8195 HDMI/DVI BUFFER EQU LFCSP40	J040819505510S	1		
U1023	963246101150S	IC.MEMORY-RAM W9864G6KH-5 1M*4BANKS*16BIT(64MB) TSOP54 200MHz	J001986465020S	1		
U1025	963248103780S	IC.MEMORY FLASH MX25L6406EM21-12G 64M SERIAL FLASH SOP8 See PROCEDURE AFTER REPLACING THE U-COM, ETC.	8952230000030	1		
U1026	23681016160AS	IC.LOGIC-ENCODER ADV8003KBCZ-8B (AD55/058Z-0)	J045800305010S	1		
U1027	963248103830S	IC.MEMORY FLASH MX25L12835FMI-10G 128M SERIAL FLASH SOP16 See PROCEDURE AFTER REPLACING THE U-COM, ETC.	J005251281060S	1	*	
U1028	963246101010S	IC.MEMORY-RAM A3R12E40CBF-8E 512Mb DDR2 SDRAM FBGA84	J001030124080S	1		
U1029	963246101010S	IC.MEMORY-RAM A3R12E40CBF-8E 512Mb DDR2 SDRAM FBGA84	J001030124080S	1		
U1030	963231102320S	IC.LINEAR-REGULATOR AP7361-ADJ SOT89-5 DIODES	J126736100010S	1		
U1039	23681050460AS	IC.LOGIC MN864788 HDMI HQFP144P	J040864788010S	1		
U1040	23681014050AS	IC.LOGIC-INTERFACE PC9211 TRANSCEIVER LQFP48	J046921100010S	1		
U1041	963239101870S	IC.PAL/PLD 5M80ZT100C5N TOFP100 See PROCEDURE AFTER REPLACING THE U-COM, ETC.	8952230000050	1		
U1042	00D2623077900	IC.LOGIC TC74VHC04FT HEX INVERTER TSSOP14	J040740405580S	1		
U1043	963239101100S	MODULE BCR-802-M25 25MBPS OPTICAL RECEIVER INTERFACE	E100802000250S	1		
U1044	963239101100S	MODULE BCR-802-M25 25MBPS OPTICAL RECEIVER INTERFACE	E100802000250S	1		
U1045	963239002150S	IC.LOGIC SN74LVC244APWR TSSOP 20P/OCTAL BUFFER/DRIVER	J040742440230S	1		
U1048	236810082503S	IC.LOGIC-D/A CONVER PCM1690 HTSSOP48	J042169000010S	1		
U1050	963231102320S	IC.LINEAR-REGULATOR AP7361-ADJ SOT89-5 DIODES	J126736100010S	1		
U1052	23681012050AS	IC.LOGIC-D/A CONVER PCM5100 TSSOP20 AUDIO STEREO DAC	J042510005510S	1		
U1055	23681012760AS	IC.LOGIC ADV7850 HDMI 1.4A RECEIVER BGA425	J040785005510S	1		
U1060	234810014504S	IC.LOGIC MC14094BDTR2G SHIFT REGISTER TSSOP16P	J040140940020S	1		
U1061	234810014504S	IC.LOGIC MC14094BDTR2G SHIFT REGISTER TSSOP16P	J040140940020S	1		
U1062	234810014504S	IC.LOGIC MC14094BDTR2G SHIFT REGISTER TSSOP16P	J040140940020S	1		
U1063	943239101860S	IC.LINEAR-REGULATOR TPS563200 SOT6 STEP DOWN VOL REG	J126563200010S	1		
U1064	943239101860S	IC.LINEAR-REGULATOR TPS563200 SOT6 STEP DOWN VOL REG	J126563200010S	1		
U1065	943239101860S	IC.LINEAR-REGULATOR TPS563200 SOT6 STEP DOWN VOL REG	J126563200010S	1		
U1066	943239101860S	IC.LINEAR-REGULATOR TPS563200 SOT6 STEP DOWN VOL REG	J126563200010S	1		
U1067	943239101860S	IC.LINEAR-REGULATOR TPS563200 SOT6 STEP DOWN VOL REG	J126563200010S	1		
U1068	943239101860S	IC.LINEAR-REGULATOR TPS563200 SOT6 STEP DOWN VOL REG	J126563200010S	1		
U1069	943239101860S	IC.LINEAR-REGULATOR TPS563200 SOT6 STEP DOWN VOL REG	J126563200010S	1		
U1070	963231102360S	IC.LINEAR-REGULATOR TPS562200 SOT6 STEP DOWN VOL REG	J126562200010S	1		
U1071	963231102360S	IC.LINEAR-REGULATOR TPS562200 SOT6 STEP DOWN VOL REG	J126562200010S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
U1072	963231102360S	IC,LINEAR-REGULATOR TPS562200 SOT6 STEP DOWN VOL REG	J126562200010S	1		
U1073	963245100680S	IC,ANALOG CS49844A AUDIO DSP	J080498440010S	1		
U3204	963233102120S	IC,LOGIC SN74LVC827APWR TSSOP24 10BIT BUFFER/DRIVER	J040748270010S	1		
RESISTOR GROUP						
R1000	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1001	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1006	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1010	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1011	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1012	nsp	R,CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1013	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1014	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1015	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1016	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1017	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1018	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1019	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1021	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1038	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1039	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1040	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1041	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1042	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1043	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1044	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1045	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1052	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1053	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1055	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1057	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1058	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1060	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1061	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1062	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1063	nsp	R,CHIP THICK 1M-J,1/16W-1005REEL	C20001056M101S	1		
R1064	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1068	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1069	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1070	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1071	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1072	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1074	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1075	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1076	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1080	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1081	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1082	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1086	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1089	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1092	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1093	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1096	nsp	R,CHIP THICK 2.2K-J,1/16W-1005REEL	C20002226M101S	1		
R1097	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1099	nsp	R,CHIP THICK 8.2K-J,1/16W-1005REEL	C20008226M101S	1		
R1101	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1102	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1103	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1104	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1105	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1106	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1107	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1108	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1117	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1120	nsp	R,CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1121	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1122	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1123	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1124	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1125	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1126	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1127	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1129	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1146	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1147	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1148	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1149	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1150	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1151	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1152	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1153	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1160	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1161	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1163	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1164	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1165	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1166	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1167	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1168	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1169	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1170	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1171	nsp	R,CHIP THICK 1M-J,1/16W-1005REEL	C20001056M101S	1		
R1173	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1174	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1175	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1176	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1177	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1178	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1179	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1180	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1181	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1183	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1184	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1186	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1187	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1188	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1189	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1192	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1193	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1196	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1199	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1206	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1209	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1210	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R1972	nsp	R.CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R1973	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1975	nsp	R.CHIP THICK 150-J,1/16W-1005REEL	C20001516M101S	1		
R1976	nsp	R.CHIP THICK 470-J,1/16W-1005REEL	C20004716M101S	1		
R1977	nsp	R.CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R1978	nsp	R.CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R1979	nsp	R.CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R1983	nsp	R.CHIP THICK 5.1-J,1/16W-1005REEL	C2005R106M100S	1		
R1984	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	1		
R1985	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	1		
R1986	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	1		
R1988	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	1		
R1989	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	1		
R1990	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	1		
R1992	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R1993	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1994	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1997	nsp	C.CERAMIC CHIP HIK X7R0J0.1UF-K/25V-1608REEL	D011104774161S	1		
R1998	nsp	C.CERAMIC CHIP HIK X7R0J0.1UF-K/25V-1608REEL	D011104774161S	1		
R1999	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2002	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2004	nsp	R.CHIP THICK 3.6K-F,1/16W-1608REEL	C20003624M161S	1		
R2006	nsp	R.CHIP THICK 1K-F,1/16W-1608REEL	C20001024M160S	1		
R2007	nsp	R.CHIP THICK 10K-F,1/16W-1608REEL	C20001034M160S	1		
R2010	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2011	nsp	R.CHIP THICK 27K-F,1/16W-1608REEL	C20002734M160S	1		
R2012	nsp	R.CHIP THICK 6.2K-D,1/16W-1608REEL	C20006221M161S	1		
R2013	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2015	nsp	R.CHIP THICK 10K-D,1/16W-1608REEL	C20001031M161S	1		
R2016	nsp	R.CHIP THICK 27K-D,1/16W-1608REEL	C200027310161S	1		
R2017	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2018	nsp	R.CHIP THICK 6.2K-D,1/16W-1608REEL	C20006221M161S	1		
R2020	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R2021	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2023	nsp	R.CHIP THICK 10K-F,1/16W-1608REEL	C20001034M160S	1		
R2024	nsp	R.CHIP THICK 2.2K-F,1/16W-1608REEL	C20002224M160S	1		
R2025	nsp	R.CHIP THICK 1K-F,1/16W-1608REEL	C20001024M160S	1		
R2027	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R2028	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R2029	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R2030	nsp	R.CHIP THICK 10K-F,1/16W-1608REEL	C20001034M160S	1		
R2032	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R2033	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R2034	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2035	nsp	R.CHIP THICK 3.9K-F,1/16W-1608REEL	C20003924M161S	1		
R2036	nsp	R.CHIP THICK 10K-F,1/16W-1608REEL	C20001034M160S	1		
R2037	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R2038	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2041	nsp	R.CHIP THICK 5.6K-D,1/16W-1608REEL	C20005621M161S	1		
R2043	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R2044	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2046	nsp	R.CHIP THICK 10K-D,1/16W-1608REEL	C20001031M161S	1		
R2047	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2048	nsp	R.CHIP THICK 820-D,1/16W-1608REEL	C20008211M160S	1		
R2049	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R2051	nsp	R.CHIP THICK 2.7K-D,1/16W-1608REEL	C20002721M161S	1		
R2052	nsp	R.CHIP THICK 10K-D,1/16W-1608REEL	C20001031M161S	1		
R2055	nsp	R.CHIP THICK 11K-D,1/16W-1608REEL	C200011310161S	1		
R2056	nsp	R.CHIP THICK 10K-D,1/16W-1608REEL	C20001031M161S	1		
R2057	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R2058	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2059	nsp	R.CHIP THICK 4.7K-D,1/16W-1608REEL	C20004721M161S	1		
R2061	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R2062	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2063	nsp	R.CHIP THICK 18K-D,1/16W-1608REEL	C20001831M161S	1		
R2065	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2066	nsp	R.CHIP THICK 470-J,1/16W-1005REEL	C20004716M101S	1		
R2067	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R2068	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R2069	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2070	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R2071	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R2072	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2073	nsp	R.CHIP THICK 7.5K-F,1/16W-1608REEL	C20007524M160S	1		
R2074	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R2075	nsp	R.CHIP THICK 2.4K-F,1/16W-1608REEL	C20002424M160S	1		
R2076	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2077	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R2078	nsp	R.CHIP THICK 470-J,1/16W-1005REEL	C20004716M101S	1		
R2079	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R2082	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2083	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R2084	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R2085	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2087	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R2089	nsp	R.CHIP THICK 24-J,1/16W-1608REEL	C20002406M160S	1		
R2090	nsp	R.CHIP THICK 24-J,1/16W-1608REEL	C20002406M160S	1		
R2091	nsp	R.CHIP THICK 24-J,1/16W-1608REEL	C20002406M160S	1		
R2092	nsp	R.CHIP THICK 24-J,1/16W-1608REEL	C20002406M160S	1		
R2093	nsp	R.CHIP THICK 51-J,1/16W-1608REEL	C20005106M160S	1		
R2094	nsp	R.CHIP THICK 51-J,1/16W-1608REEL	C20005106M160S	1		
R2095	nsp	R.CHIP THICK 51-J,1/16W-1608REEL	C20005106M160S	1		
R2096	nsp	R.CHIP THICK 51-J,1/16W-1608REEL	C20005106M160S	1		
R2097	nsp	R.CHIP THICK 2.2K-J,1/16W-1005REEL	C20002226M101S	1		
R2098	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R2099	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R2100	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R2101	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2102	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2103	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2104	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R2105	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2108	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2109	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R2110	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
R2111	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2112	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2113	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2114	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R2115	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R2117	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
R2118	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R2120	nsp	R.CHIP THICK 470-D,1/16W-1608REEL	C20004711M160S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C2042	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C2043	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C2044	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C2045	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2046	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2047	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2048	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2049	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2050	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2051	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2052	nsp	C.CERAMIC CHIP HIK COG)6PF-D/50V-1005REEL	D011060117100S	1		
C2055	nsp	C.CERAMIC CHIP HIK COG)7PF-D/50V-1005REEL	D011070117101S	1		
C2056	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2057	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2058	nsp	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C2059	nsp	C.ELECT CHIP(GE) 47UF-MVG/6.3V,4*3*5.1*5.3 REEL (Z8155) SY	D050470081460S	1		
C2060	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2061	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2062	nsp	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C2063	nsp	C.CERAMIC CHIP HIK COG 8PF-D/50V-1005REEL FENGHUA	D011080117101S	1		
C2064	nsp	C.CERAMIC CHIP HIK COG)10PF-D/50V-1005REEL	D011100117101S	1		
C2065	nsp	C.CERAMIC CHIP T.C COG)0.068UF-J/50V-3216REEL GRM31C5C1H683JA01L	D010683167300S	1		
C2066	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2067	nsp	C.CERAMIC CHIP T.C COG)4700PF-J/50V-2012REEL GRM2165C1H472JA01D	D010472167200S	1		
C2068	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2069	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2070	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/25V-1608REEL	D011104774161S	1		
C2071	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/25V-1608REEL	D011104774161S	1		
C2072	nsp	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C2073	nsp	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C2074	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2076	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2077	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2078	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2079	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2080	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2081	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2082	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2083	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2084	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C2085	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C2086	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2088	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C2090	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2091	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2092	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2093	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2094	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2095	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2096	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2097	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2100	nsp	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C2101	nsp	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C2102	963134000450S	C.ELECT CHIP(GE) 100UF-MVG/16V,6.6*7.2*5.7 REEL (Z8157) SY	D050101083660S	1		
C2103	nsp	C.ELECT CHIP(GE) 47UF-MVG/6.3V,4*3*5.1*5.3 REEL (Z8155) SY	D050470081460S	1		
C2104	nsp	C.ELECT CHIP(GE) 47UF-MVG/6.3V,4*3*5.1*5.3 REEL (Z8155) SY	D050470081460S	1		
C2105	nsp	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C2106	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2107	nsp	C.ELECT CHIP(GE) 47UF-MVG/6.3V,4*3*5.1*5.3 REEL (Z8155) SY	D050470081460S	1		
C2108	nsp	C.ELECT CHIP(GE) 47UF-MVG/6.3V,4*3*5.1*5.3 REEL (Z8155) SY	D050470081460S	1		
C2109	nsp	C.ELECT CHIP(GE) 47UF-MVG/6.3V,4*3*5.1*5.3 REEL (Z8155) SY	D050470081460S	1		
C2110	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2111	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2112	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2113	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2114	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2115	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2116	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2117	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2118	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2119	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2120	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2121	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2122	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2123	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2124	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2125	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2126	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2127	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2128	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2129	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2130	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2131	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2132	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2133	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2134	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2135	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2136	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2138	nsp	C.ELECT CHIP(GE) 47UF-MVG/6.3V,4*3*5.1*5.3 REEL (Z8155) SY	D050470081460S	1		
C2143	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
C2147	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2149	nsp	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C2150	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C2154	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C2156	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2159	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C2160	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C2161	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/10V-1608REEL	D01147572161S	1		
C2163	13405013040AS	C.ELECT GE 85C 220UF-M/25V,8*11.5 KR3-025V221MF115-T/A5.0S KOSHIN	D040221084550S	1		
C2164	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2165	963134000450S	C.ELECT CHIP(GE) 100UF-MVG/16V,6.6*7.2*5.7 REEL (Z8157) SY	D050101083660S	1		
C2168	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2169	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2174	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2175	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2176	nsp	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C2177	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1005REEL	D011222177101S	1		
C2178	nsp	C.CERAMIC CHIP HIK X5R)2.2UF-M/6.3V-1005REEL GRM155R60J225ME15D	D011225581100S	1		
C2179	nsp	C.CERAMIC CHIP HIK X5R)2.2UF-M/6.3V-1005REEL GRM155R60J225ME15D	D011225581100S	1		
C2181	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1005REEL	D011222177101S	1		
C2187	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2188	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2189	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C2308	nsp	C,CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL		D011103174101S	1	
C2309	nsp	C,CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D011475571160S	1	
C2311	nsp	C,CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D011475571160S	1	
C2312	nsp	C,CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D011475571160S	1	
C2320	nsp	C,CERAMIC CHIP HIK X7R)0.1UF-K/25V-1608REEL		D011104774161S	1	
C2322	nsp	C,CERAMIC CHIP T.C COG12PF-J/50V-1608REEL		D010120167160S	1	
C2323	nsp	C,CERAMIC CHIP T.C COG12PF-J/50V-1608REEL		D010120167160S	1	
C2325	nsp	C,CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1	
C2327	nsp	C,CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1	
C2340	nsp	C,CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL		D011102177101S	1	
C2341	nsp	C,CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1	
OTHER PARTS GROUP						
BKT1000	nsp	BRACKET AVR X2100WBKE3(DENON) SPTE t0.5 A4/SCREW L6.65		4010216286000S	1	
BKT1100	nsp	BRACKET SR5009U1BSPT0 t0.5 A4/HDMI		4010216076000S	1	*
CLP1001	nsp	CLAMP HMX9800(ON)(HAITAI) (W=2.6,L=50)/WIRE(SOLDER)		4330000120000S	1	
J1165	nsp	R,CHIP THICK 0-J,1/8W-3216REEL		C200000061300S	1	
K1002	963646012340S	TER,RCA 2PIN RCA-206A-07 NI SHIELD(BK,BK)		G601206A0700YS	1	
L1000	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1001	963115100670S	COIL,BEAD FBMJ3216HL160NT 16ohm SMD3216		D340321661600S	1	
L1002	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1003	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1004	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1005	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1006	963115100670S	COIL,BEAD FBMJ3216HL160NT 16ohm SMD3216		D340321661600S	1	
L1007	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1008	963115100670S	COIL,BEAD FBMJ3216HL160NT 16ohm SMD3216		D340321661600S	1	
L1009	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1010	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1011	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1012	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1013	963115100670S	COIL,BEAD FBMJ3216HL160NT 16ohm SMD3216		D340321661600S	1	
L1014	nsp	COIL,CHIP DLW21SN181SQ2L COMMON MODE CHOKE COILS SMD2012		D311201211810S	1	
L1015	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1016	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1017	nsp	COIL,CHIP DLW21SN900HQ2L COMMON MODE CHOKE COILS SMD2012		D311201219000S	1	
L1018	nsp	COIL,CHIP DLW21SN900HQ2L COMMON MODE CHOKE COILS SMD2012		D311201219000S	1	
L1019	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1027	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1028	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1029	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1030	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1034S	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1035S	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1036S	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1037	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1038	nsp	COIL,BEAD CB05YTYH101-2012REEL		D340201291010S	1	
L1039	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1040	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1041	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1042	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1043	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1044	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1045	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1046	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1047	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1048	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1049	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1051	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1052	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1053	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1054	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1055	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1056	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1057	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1058	nsp	COIL,BEAD CB03YTYN121-1608REEL		D340160891210S	1	
L1059	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1060	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1061	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1062	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1063	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1064	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1065	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1066	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1067	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1068	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1069	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1070	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1071	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1072	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1073	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1074	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1075	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1076	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1077	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1078	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1079	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1080	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1081	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1082	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1083	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1084	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1085	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1086	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1087	963115100670S	COIL,BEAD FBMJ3216HL160NT 16ohm SMD3216		D340321661600S	1	
L1088	963115100670S	COIL,BEAD FBMJ3216HL160NT 16ohm SMD3216		D340321661600S	1	
L1089	nsp	COIL,BEAD CB03YTYN121-1608REEL		D340160891210S	1	
L1090	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1091	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1092	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1093	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1094	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1095	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1096	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1097	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1098	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1099	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1100	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1101	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1102	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1	
L1103	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1104	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1105	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	
L1106	nsp	R,CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1	

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
L1107	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1108	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1109	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1110	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1111	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1112	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1113	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1114	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1115	nsp	COIL.BEAD CB05YTYH221-2012REEL		D340201292210S	1		
L1119	nsp	COIL.CHIP EXC24CH900U 90OHM COMMON MODE SMD-REEL		D311121089000S	1		
L1123	nsp	COIL.CHIP EXC24CH900U 90OHM COMMON MODE SMD-REEL		D311121089000S	1		
L1124	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1125	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1126	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1127	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1128	nsp	COIL.BEAD CB05YTYH221-2012REEL		D340201292210S	1		
L1129	nsp	COIL.BEAD CB05YTYH221-2012REEL		D340201292210S	1		
L1130	nsp	COIL.BEAD CB05YTYH221-2012REEL		D340201292210S	1		
L1136	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
L1137	963111101280S	COIL.INDUCTOR DG6045C DD1255AS-2R2N=P3 2.2UH POWER INDUCTOR		D310604592R20S	1		
L1138	963111101280S	COIL.INDUCTOR DG6045C DD1255AS-2R2N=P3 2.2UH POWER INDUCTOR		D310604592R20S	1		
L1139	963111101280S	COIL.INDUCTOR DG6045C DD1255AS-2R2N=P3 2.2UH POWER INDUCTOR		D310604592R20S	1		
L1140	963111101270S	COIL.INDUCTOR DG6045C DD1255AS-3R3N=P3 3.3UH POWER INDUCTOR		D310604593320S	1		
L1141	963111101270S	COIL.INDUCTOR DG6045C DD1255AS-3R3N=P3 3.3UH POWER INDUCTOR		D310604593320S	1		
L1142	963111101280S	COIL.INDUCTOR DG6045C DD1255AS-2R2N=P3 2.2UH POWER INDUCTOR		D310604592R20S	1		
L1143	963111101270S	COIL.INDUCTOR DG6045C DD1255AS-3R3N=P3 3.3UH POWER INDUCTOR		D310604593320S	1		
L1144	963111101270S	COIL.INDUCTOR DG6045C DD1255AS-3R3N=P3 3.3UH POWER INDUCTOR		D310604593320S	1		
L1145	963111101270S	COIL.INDUCTOR DG6045C DD1255AS-3R3N=P3 3.3UH POWER INDUCTOR		D310604593320S	1		
L1146	963111101270S	COIL.INDUCTOR DG6045C DD1255AS-3R3N=P3 3.3UH POWER INDUCTOR		D310604593320S	1		
L1147	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060201S	1		
N1000	nsp	CN.FPC 1.0MM 6232-23P SMT ST		L130623202330S	1		
N1001	64401030161AS	CN.WAFER A0D7ABAR1990 SMT HDMICON R/A W/FLANGE		L109100190710S	1		
N1002	64401030161AS	CN.WAFER A0D7ABAR1990 SMT HDMICON R/A W/FLANGE		L109100190710S	1		
N1003	64401030161AS	CN.WAFER A0D7ABAR1990 SMT HDMICON R/A W/FLANGE		L109100190710S	1		
N1004	64401030161AS	CN.WAFER A0D7ABAR1990 SMT HDMICON R/A W/FLANGE		L109100190710S	1		
N1005	64401030161AS	CN.WAFER A0D7ABAR1990 SMT HDMICON R/A W/FLANGE		L109100190710S	1		
N1006	64401030161AS	CN.WAFER A0D7ABAR1990 SMT HDMICON R/A W/FLANGE		L109100190710S	1		
N1007	64401030161AS	CN.WAFER A0D7ABAR1990 SMT HDMICON R/A W/FLANGE		L109100190710S	1		
N1008	nsp	CN.WAFER 2.0MM SC52137-061A DIP6P STRAIGHT		L101521370610S	1		
N1009	nsp	CN.FPC 1.0MM 1.0-16-7PB-2 7P ST SMT (JSY)		L130100160730S	1		
N1010	963643102800S	JACK.MODULAR RJ45-JACK(KRJ-015XXNL) KYD		G4060RJ450230S	1		
N1014	nsp	CN.WAFER C125Z2-23C 23P BtoB SOCKET(FEMALE) P=1.25MM SILK:3		L109012522350S	1		
N1016	nsp	CN.WAFER C125Z2-27C 27P BtoB SOCKET(FEMALE) P=1.25MM SILK:3		L109012522750S	1		
N1017	nsp	CN.FPC 1.0MM 1.0-15-40PB 40P VER SMT		L130100154030S	1		
N1020	nsp	CN.WAFER C125Z2-15C 15P BtoB SOCKET(FEMALE) P=1.25MM SILK:3		L109012521550S	1		
N1022	nsp	CN.WAFER 2.0MM SC52137-071A DIP7P STRAIGHT		L101521370710S	1		
N1026S	64401030160AS	CN.WAFER A0D7ABAR19N0 SMT HDMICON R/A W/O FLNG		L109100190720S	1		
N1030	64401030161AS	CN.WAFER A0D7ABAR1990 SMT HDMICON R/A W/FLANGE		L109100190710S	1		
N1031	64401030161AS	CN.WAFER A0D7ABAR1990 SMT HDMICON R/A W/FLANGE		L109100190710S	1		
N1033	nsp	CN.WAFER 2.5MM YMW025-06R DIP ST		L102025060020S	1		
N1038S	nsp	CN.FPC 1.0MM 6232-23P SMT ST		L130623202330S	1		
N1039	nsp	CN.WAFER C125Z2-25C 25P BtoB SOCKET(FEMALE) P=1.25MM SILK:3		L109012522550S	1		
X1000	963141101530S	CRYSTAL CHIP 27.000MHZ CL=7PF QRS3027000G07H1/SMD3225 UTECH		E80527R000530S	1		
X1001	963141101530S	CRYSTAL CHIP 27.000MHZ CL=7PF QRS3027000G07H1/SMD3225 UTECH		E80527R000530S	1		
X1003	963141101550S	CRYSTAL CHIP 12.000MHZ CL=8PF QRS3012000G08N1/SMD3225 UTECH		E80512R000530S	1		
X1006	963141101540S	CRYSTAL CHIP 27.000MHZ CL=12PF QRS3027000G12H1/SMD3225 UTECH		E80527R000520S	1		
X1007	963141101530S	CRYSTAL CHIP 27.000MHZ CL=7PF QRS3027000G07H1/SMD3225 UTECH		E80527R000530S	1		
X1008	963141101560S	CRYSTAL CHIP 24.576MHZ CL=10PF QRS3024576G10J1/SMD3225 UTECH		E80524R576530S	1		
X1009	963141101540S	CRYSTAL CHIP 27.000MHZ CL=12PF QRS3027000G12H1/SMD3225 UTECH		E80527R000520S	1		
X1010	963141101560S	CRYSTAL CHIP 24.576MHZ CL=10PF QRS3024576G10J1/SMD3225 UTECH		E80524R576530S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R4281	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL	C20001056M160S	1		
R4282	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4283	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL	C20001056M160S	1		
R4284	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4285	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL	C20003336M160S	1		
R4286	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL	C20003336M160S	1		
R4287	nsp	R.CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R4288	nsp	R.CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R4289	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4290	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4291	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4292	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4293	nsp	R.CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R4294	nsp	R.CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R4295	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4296	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4297	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4298	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4299	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4300	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4301	nsp	R.CHIP THICK 330-J,1/16W-1608REEL	C20003316M160S	1		
R4302	nsp	R.CHIP THICK 330-J,1/16W-1608REEL	C20003316M160S	1		
R4303	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4304	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4305	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4306	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4307	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4308	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4309	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4310	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4311	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4312	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4313	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
R4314	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
R4315	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4316	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4317	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4318	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4319	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4320	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4321	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4322	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4323	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4324	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4325	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4326	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4327	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R4328	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
R4329	nsp	R.CHIP THICK 22-J,1/16W-1608REEL	C20002206M160S	1		
CAPACITORS GROUP						
C4071	nsp	C.ELECT GE 85C 10UF-M/50V,5*11 KR3-050V100MC110-T/A5.0S KOSHIN	D040100087650S	1		
C4072	nsp	C.ELECT GE 85C 10UF-M/50V,5*11 KR3-050V100MC110-T/A5.0S KOSHIN	D040100087650S	1		
C4073	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4074	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4075	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4076	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4077	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4078	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4079	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4080	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4081	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4082	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4083	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4084	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4085	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4086	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4087	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4088	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4089	nsp	C.ELECT GE 85C 10UF-M/50V,5*11 KR3-050V100MC110-T/A5.0S KOSHIN	D040100087650S	1		
C4090	nsp	C.ELECT GE 85C 10UF-M/50V,5*11 KR3-050V100MC110-T/A5.0S KOSHIN	D040100087650S	1		
C4103	nsp	C.ELECT GE 85C 10UF-M/50V,5*11 KR3-050V100MC110-T/A5.0S KOSHIN	D040100087650S	1		
C4104	nsp	C.ELECT GE 85C 10UF-M/50V,5*11 KR3-050V100MC110-T/A5.0S KOSHIN	D040100087650S	1		
C4105	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4106	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4107	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4108	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4109	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4110	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4111	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4112	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4113	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4114	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4115	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4116	nsp	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY	D040221084600S	1		
C4117	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4118	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4119	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4120	nsp	C.CERAMIC CHIP T.C CHJ220PF-J/50V-1608REEL GRM1882C1H221JA01D	D010221167163S	1		
C4121	nsp	C.ELECT GE 85C 10UF-M/50V,5*11 KR3-050V100MC110-T/A5.0S KOSHIN	D040100087650S	1		
C4122	nsp	C.ELECT GE 85C 10UF-M/50V,5*11 KR3-050V100MC110-T/A5.0S KOSHIN	D040100087650S	1		
OTHER PARTS GROUP						
BKT2000	nsp	BRACKET AVRX2200WBKE3(DENON)BURNING HOLE SPCC 10.8+SN A4/S	401021019610DS	1		
CN4605	nsp	CN.WAFER C125Z2-17C 17P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012521750S	1	*	
CN4703	nsp	CN.WAFER C125Z2-07C 7P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012520750S	1		
CN4704	nsp	CN.WAFER C125Z2-15C 15P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012521550S	1		

VIDEO PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D5617	963201500170D	D,SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
IC5001	963235100700S	IC,MONITOR SW NJM2595M-TE1 DMP16 5-INPUT 3-OUTPUT VIDEO SWITCH	J171259500010S	1		
IC5002	963235100630S	IC,MONITOR SW NJM2586AVC3 VIDEO SWITCH SSOP20-C3	J171258600020S	1		
Q4219	943216500020S	SEMI,CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q5625	943215500020S	SEMI,CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
Q5626	943215500020S	SEMI,CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
Q5628	943214500020S	SEMI,CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q5629	943216500020S	SEMI,CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q5630	943215500020S	SEMI,CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
RESISTOR GROUP						
R5002	nsp	R,CHIP THICK 82-J,1/16W-1608REEL	C20008206M160S	1		
R5003	nsp	R,CHIP THICK 1.8K-J,1/16W-1608REEL	C20001826M160S	1		
R5007	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5008	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5009	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5011	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5013	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5014	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5015	nsp	R,CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R5016	nsp	R,CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R5017	nsp	R,CHIP THICK 160-J,1/16W-1608REEL	C20001616M160S	1		
R5018	nsp	R,CHIP THICK 160-J,1/16W-1608REEL	C20001616M160S	1		
R5019	nsp	R,CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R5020	nsp	R,CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R5021	nsp	R,CHIP THICK 160-J,1/16W-1608REEL	C20001616M160S	1		
R5022	nsp	R,CHIP THICK 160-J,1/16W-1608REEL	C20001616M160S	1		
R5023	nsp	R,CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R5024	nsp	R,CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R5025	nsp	R,CHIP THICK 160-J,1/16W-1608REEL	C20001616M160S	1		
R5026	nsp	R,CHIP THICK 160-J,1/16W-1608REEL	C20001616M160S	1		
R5033	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5034	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5035	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5036	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5037	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5038	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5039	nsp	R,CHIP THICK 75-J,1/16W-1608REEL	C20007506M160S	1		
R5718	nsp	R,CARBON FILM 100-J,1/5W-52RE-AX	C00001016P520S	1		
R5719	nsp	R,CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R5720	nsp	R,CHIP THICK 33K-J,1/16W-1608REEL	C20003336M160S	1		
R5736	nsp	R,CHIP THICK 47K-J,1/16W-1608REEL	C20004736M160S	1		
R5737	nsp	R,CHIP THICK 18K-J,1/16W-1608REEL	C20001836M160S	1		
R5740	nsp	R,CHIP THICK 47-J,1/16W-1608REEL	C20004706M160S	1		
CAPACITORS GROUP						
C5008	nsp	C,CERAMIC CHIP T.C COG68PF-J/50V-1608REEL	D010680167160S	1		
C5009	nsp	C,CERAMIC CHIP T.C COG68PF-J/50V-1608REEL	D010680167160S	1		
C5010	nsp	C,CERAMIC CHIP T.C COG68PF-J/50V-1608REEL	D010680167160S	1		
C5011	nsp	C,ELECT GE 85C 100UF-M/10V,5*11-5RE.SMS SY	D040101082070S	1		
C5012	nsp	C,CERAMIC CHIP T.C COG68PF-J/50V-1608REEL	D010680167160S	1		
C5013	nsp	C,CERAMIC CHIP HIK X7R0J,1UF-K/50V-1608REEL	D011104577160S	1		
C5014	nsp	C,CERAMIC CHIP HIK X7R0J,1UF-K/50V-1608REEL	D011104577160S	1		
C5015	nsp	C,CERAMIC CHIP T.C COG68PF-J/50V-1608REEL	D010680167160S	1		
C5016	nsp	C,CERAMIC CHIP T.C COG68PF-J/50V-1608REEL	D010680167160S	1		
C5017	nsp	C,ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)	D040010087150S	1		
C5018	nsp	C,ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)	D040010087150S	1		
C5019	nsp	C,CERAMIC CHIP HIK X7R0J,1UF-K/50V-1608REEL	D011104577160S	1		
C5020	nsp	C,CERAMIC CHIP HIK X7R0J,1UF-K/50V-1608REEL	D011104577160S	1		
C5021	nsp	C,ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)	D040010087150S	1		
C5022	nsp	C,ELECT GE 85C 100UF-M/10V,5*11-5RE.SMS SY	D040101082070S	1		
C5023	nsp	C,ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)	D040010087150S	1		
C5024	nsp	C,ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)	D040010087150S	1		
C5025	nsp	C,ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)	D040010087150S	1		
C5026	nsp	C,ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY	D04010087070S	1		
C5027	nsp	C,ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY	D04010087070S	1		
C5028	nsp	C,ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY	D04010087070S	1		
C5029	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5-5RE.SMS SY	D040101087060S	1		
C5030	nsp	C,CERAMIC CHIP HIK X7R0J,1UF-K/50V-1608REEL	D011104577160S	1		
C5031	nsp	C,ELECT GE 85C 100UF-M/50V,8*11.5-5RE.SMS SY	D040101087060S	1		
C5032	nsp	C,CERAMIC CHIP HIK X7R0J,1UF-K/50V-1608REEL	D011104577160S	1		
C5048	963133502380S	C,FILM POLYESTER MI-0.1UF-J/100V-5RE HMM104J2AP050T DAEHUNG	D02010416C250S	1		
C5051	963133502380S	C,FILM POLYESTER MI-0.1UF-J/100V-5RE HMM104J2AP050T DAEHUNG	D02010416C250S	1		
C5663	nsp	C,CERAMIC CHIP HIK X7R4J,7UF-K/6.3V-1608REEL	D011475571160S	1		
C5678	nsp	C,CERAMIC CHIP HIK X7R0J,1UF-K/50V-1608REEL	D011104577160S	1		
C5679	nsp	C,CERAMIC CHIP HIK X7R0J,1UF-K/50V-1608REEL	D011104577160S	1		
OTHER PARTS GROUP						
BKT5001	nsp	BRACKET AVR2200WBKE3(DENON)BURNING HOLE SPCC 10.8+SN A4/S	401021019610DS	1		
BKT5002	nsp	BRACKET AVR2200WBKE3(DENON)BURNING HOLE SPCC 10.8+SN A4/S	401021019610DS	1		
BKT5004	nsp	BRACKET AVR2200WBKE3(DENON)BURNING HOLE SPCC 10.8+SN A4/S	401021019610DS	1		
CLAMP300	nsp	CLAMP HMX9800(ONYHAITAI) (W=2.6 L=50)WIRE(SOLDER)	4330000120000S	1		
CN4002	nsp	CN,WAFFER C125Z2-15C 15P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012521550S	1		
CN4003	nsp	CN,WAFFER C125Z2-19C 19P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012521950S	1		
CN5000	nsp	CN,WAFFER C125Z2-25C 25P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012522550S	1		
CN5003	nsp	CN,WAFFER C125Z2-11C 11P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012521150S	1		
CP3401	nsp	CN,WAFFER C125Z1-25 25P BtoB HEADER(MALE) P=1.25MM	L109012512540S	1		
CP3403	nsp	CN,WAFFER C125Z1-21 21P BtoB HEADER(MALE) P=1.25MM	L109012512140S	1		
CP4605	nsp	CN,WAFFER C125Z1-17 17P BtoB HEADER(MALE) P=1.25MM	L109012511740S	1		
CP5000	nsp	CN,WAFFER C125Z1-25 25P BtoB HEADER(MALE) P=1.25MM	L109012512540S	1		
CP5003	nsp	CN,WAFFER 2.5MM YMAW025-08R DIP RA	L102025080010S	1		
! F5005	963652500120S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506	N751501251160S	1		
F5005A	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
F5005B	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
! F5006	963652010500S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506	N751501601160S	1		
F5006A	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
F5006B	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
! F5007	963652010500S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506	N751501601160S	1		
F5007A	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
F5007B	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
! F5008	963652010500S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506	N751501601160S	1		
F5008A	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
F5008B	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
! F5009	963652010500S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506	N751501601160S	1		
F5009A	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
F5009B	nsp	HOLDER,FUSE CLIP PI5.2-REEL	G645000050010S	1		
JACK5000	963643101620D	TER,RCA 3PIN RCA-303B1-01(YL,YL,YL)	G606303B1010YS	1		
JACK5001	963643101630D	TER,RCA 3PIN RCA-303B1-08(GN,BL,RD)	G606303B1080YS	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	JACK5002	963643101630D	TER,RCA 3PIN RCA-303B1-08(GN,BL,RD)		G606303B1080YS	1		
	JACK5003	963643101630D	TER,RCA 3PIN RCA-303B1-08(GN,BL,RD)		G606303B1080YS	1		
	JACK5005	963646012090S	TER,RCA 2PIN RCA-206B-02(OR,OR)		G601206B0200YS	1		

FRONT PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D4400	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4401	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4403	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4404	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4405	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A	K000400700220S	1		
D4406	963209003510S	D.ESD CHIP CDS3C05HDM1 CERADIODE ESD FOR HDMI 1608REEL	K067030500010S	1		
D4407	963209003510S	D.ESD CHIP CDS3C05HDM1 CERADIODE ESD FOR HDMI 1608REEL	K067030500010S	1		
D4408	963209500020S	D.ESD CHIP CDS3C15GTA 1608REEL CERADIODE ESD B72500D0150A060	K067031500010S	1		
D4409	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4410	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4411	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4412	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4413	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4414	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4415	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4416	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D4703	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
IC4400	963231101200S	IC.LINEAR-REGULATOR NJM2887DL3-TE2 TO-252-5 LOW-DROP VOL REGULATOR	J126288700010S	1		
IC4401	963232100450S	IC.LINEAR OP NJM4580CG SOP8	J121458000050S	1		
IC4402	963232100450S	IC.LINEAR OP NJM4580CG SOP8	J121458000050S	1		
IC4700	00D2631286903	IC.LINEAR-REGULATOR PQ12DDNA1ZPH 12V 1A SC-63	J126120010010S	1		
IC4701	236810090504S	IC.LOGIC-INTERFACE ILX3232D 3V3 RS232 INTERFACE TRANSCEIVER SOP16	J046323200020S	1		
LED4406	963263101060S	LED.ROUND BL-BUF4V2-HS-NP-AV-FP3.5-TBF19.5C RED LED	K500032001250S	1		
LED4407	963263101060S	LED.ROUND BL-BUF4V2-HS-NP-AV-FP3.5-TBF19.5C RED LED	K500032001250S	1		
LED4408	963263100510S	LED.ROUND WEJ3290W-R2H0-BA 3PI RED/YELLOW GREEN BI-COLOR	K500032451010S	1		
Q4403	00D9630226705	SEMI,TR/GE NPN 2SC KTC1027Y,1W/T092L-REEL	J5021027Y0020S	1		
Q4405	943216500020S	SEMI,CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q4406	943216500020S	SEMI,CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q4407	943216500020S	SEMI,CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q4408	943216500020S	SEMI,CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q4409	943216500020S	SEMI,CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q4410	943215500030S	SEMI,CHIP TR/PNP 2SA RT1P441C 0.2W/SC-59 ISAHAYA	J520104411210S	1		
Q4411	943216500020S	SEMI,CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q4412	00D9630226705	SEMI,TR/GE NPN 2SC KTC1027Y,1W/T092L-REEL	J5021027Y0020S	1		
Q4413	943216500040S	SEMI,CHIP TR/NPN 2SC RT1N241C 0.2W/SC-59 ISAHAYA	J522102411210S	1		
Q4414	943214500020S	SEMI,CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
ZD4400	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
ZD4401	963202500420S	D.ZENER ZJ18B-0.5W/5MA-52MM SEMTECH	K06018R044522S	1		
ZD4402	963202500430S	D.ZENER ZJ24B-0.5W/5MA-52MM SEMTECH	K06024R044522S	1		
ZD4403	963202500310D	D.ZENER ZJ5.1B-0.5W/5MA-52MM SEMTECH	K06005R144522S	1		
ZD4404	963202500310D	D.ZENER ZJ5.1B-0.5W/5MA-52MM SEMTECH	K06005R144522S	1		
ZD4407	963202500310D	D.ZENER ZJ5.1B-0.5W/5MA-52MM SEMTECH	K06005R144522S	1		
ZD4700	963202500400S	D.ZENER ZJ16B-0.5W/5MA-52MM SEMTECH	K06016R044522S	1		
RESISTOR GROUP						
R4403	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R4405	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4406	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4409	nsp	R.CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R4411	nsp	R.CHIP THICK 75K-J,1/16W-1608REEL	C20007536M160S	1		
R4415	nsp	R.CHIP THICK 150K-J,1/16W-1608REEL	C20001546M160S	1		
R4416	nsp	R.CHIP THICK 4.7K-J,1/16W-1608REEL	C20004726M160S	1		
R4418	nsp	R.CHIP THICK 4.7K-J,1/16W-1608REEL	C20004726M160S	1		
R4423	nsp	R.CHIP THICK 10-J,1/16W-1608REEL	C20001006M160S	1		
R4425	nsp	R.CHIP THICK 10-J,1/16W-1608REEL	C20001006M160S	1		
R4426	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4429	nsp	R.CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R4430	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4431	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4432	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4433	nsp	R.CHIP THICK 120K-J,1/16W-1608REEL	C20001246M160S	1		
R4434	nsp	R.CHIP THICK 1.2K-J,1/16W-1608REEL	C20001226M160S	1		
R4435	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4437	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4438	nsp	R.CHIP THICK 1.2K-J,1/16W-1608REEL	C20001226M160S	1		
R4439	nsp	R.CHIP THICK 150-J,1/16W-1608REEL	C20001516M160S	1		
R4441	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4442	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX	C00001016P520S	1		
R4443	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX	C00001016P520S	1		
R4444	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
R4445	nsp	R.CHIP THICK 300-J,1/16W-1608REEL	C20003016M160S	1		
R4446	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL	C20004736M160S	1		
R4447	nsp	R.CHIP THICK 390-J,1/16W-1608REEL	C20003916M160S	1		
R4448	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL	C20001026M160S	1		
R4450	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4451	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4452	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4453	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4454	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4455	nsp	R.CHIP THICK 18K-J,1/16W-1608REEL	C20001836M160S	1		
R4456	nsp	R.CARBON FILM 4.7K-J,1/5W-52RE-AX	C00004726P520S	1		
R4457	nsp	R.CARBON FILM 4.7K-J,1/5W-52RE-AX	C00004726P520S	1		
R4458	nsp	R.CHIP THICK 820-J,1/16W-1608REEL	C20008216M160S	1		
R4459	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4460	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4461	nsp	R.CHIP THICK 4.7K-J,1/16W-1608REEL	C20004726M160S	1		
R4462	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4465	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX	C00001016P520S	1		
R4466	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX	C00001016P520S	1		
R4467	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4468	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4469	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX	C00001016P520S	1		
R4470	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4471	nsp	R.CHIP THICK 2.2K-J,1/16W-1608REEL	C20002226M160S	1		
R4472	nsp	R.CHIP THICK 2.2K-J,1/16W-1608REEL	C20002226M160S	1		
R4473	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4474	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4475	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4476	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
R4477	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4478	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R4479	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4481	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4483	nsp	R.CARBON FILM 4.7K-J,1/5W-52RE-AX	C00004726P520S	1		
R4484	nsp	R.CARBON FILM 4.7K-J,1/5W-52RE-AX	C00004726P520S	1		
R4485	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R4486	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
R4489	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
R4490	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
R4491	nsp	R.CHIP THICK 220K-J,1/16W-1608REEL		C20002246M160S	1	
R4492	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4493	nsp	R.CHIP THICK 22K-J,1/16W-1608REEL		C20002236M160S	1	
R4500	963125500240S	R.METAL FILM 100PPM 27K-J,1W-R.REEL		C060027365050S	1	
R4502	963125500250S	R.METAL FILM 100PPM 5.1-J,1W-R.REEL		C0605R1065050S	1	
R4708	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4709	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4710	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
R4711	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4714	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4721	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
CAPACITORS GROUP						
C4411	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4412	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4413	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		D405084006040S	1	
C4414	963133502390S	C.ELECT GE 85C 220UF-M/63V,10*16-5RE 5.0MC SHL SY		D040221088050S	1	
C4416	nsp	C.ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)		D040010087150S	1	
C4418	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4419	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4421	nsp	C.ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)		D040010087150S	1	
C4422	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4424	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4426	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4427	nsp	C.CERAMIC CHIP T.C COG100PF-J/50V-1608REEL		D010101167160S	1	
C4428	nsp	C.CERAMIC CHIP T.C COG100PF-J/50V-1608REEL		D010101167160S	1	
C4429	nsp	C.CERAMIC CHIP T.C COG100PF-J/50V-1608REEL		D010101167160S	1	
C4431	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4432	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4433	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4434	nsp	C.CERAMIC CHIP HIK X7R0.01UF-K/50V-1608REEL		D011103777160S	1	
C4435	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4436	nsp	C.CERAMIC CHIP HIK Y5V0.047UF-Z/50V-1608REEL		D011473597160S	1	
C4437	nsp	C.ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)		D040010087150S	1	
C4438	nsp	C.ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)		D040010087150S	1	
C4440	nsp	C.CERAMIC CHIP HIK X7R0.01UF-K/50V-1608REEL		D011103777160S	1	
C4441	nsp	C.CERAMIC CHIP HIK X7R0.01UF-K/50V-1608REEL		D011103777160S	1	
C4442	nsp	C.CERAMIC CHIP T.C COG470PF-J/50V-1608REEL		D010471167160S	1	
C4443	nsp	C.CERAMIC CHIP T.C COG470PF-J/50V-1608REEL		D010471167160S	1	
C4444	nsp	C.CERAMIC CHIP T.C COG82PF-J/50V-1608REEL		D010820167160S	1	
C4445	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4446	nsp	C.ELECT GE 85C 100UF-M/10V,5*11-5RE.SMS SY		D040101082070S	1	
C4447	nsp	C.CERAMIC CHIP HIK X7R0.047UF-K/25V-1608REEL		D011473774161S	1	
C4448	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4449	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4450	nsp	C.CERAMIC CHIP HIK X7R0.047UF-K/25V-1608REEL		D011473774161S	1	
C4451	nsp	C.CERAMIC CHIP HIK Y5V0.047UF-Z/50V-1608REEL		D011473597160S	1	
C4452	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4453	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4454	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4455	nsp	C.CERAMIC CHIP T.C COG330PF-J/50V-1608REEL		D010331167160S	1	
C4456	nsp	C.CERAMIC CHIP T.C COG330PF-J/50V-1608REEL		D010331167160S	1	
C4457	nsp	C.CERAMIC CHIP HIK X7R0.1000PF-K/50V-1608REEL		D011102777160S	1	
C4458	nsp	C.CERAMIC CHIP HIK X7R0.1000PF-K/50V-1608REEL		D011102777160S	1	
C4460	nsp	C.CERAMIC CHIP HIK X7R0.01UF-K/50V-1608REEL		D011103777160S	1	
C4461	nsp	C.CERAMIC CHIP HIK X7R0.01UF-K/50V-1608REEL		D011103777160S	1	
C4462	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4463	nsp	C.ELECT GE 85C 220UF-M/6.3V,8*5-5RE SRE SY		D040221081070S	1	
C4464	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4465	nsp	C.CERAMIC CHIP T.C COG470PF-J/50V-1608REEL		D010471167160S	1	
C4466	nsp	C.CERAMIC CHIP T.C COG470PF-J/50V-1608REEL		D010471167160S	1	
C4467	nsp	C.CERAMIC CHIP T.C COG100PF-J/50V-1608REEL		D010101167160S	1	
C4469	nsp	C.ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)		D040010087150S	1	
C4472	963133502520S	C.FILM POLYESTER ST-0.01UF-J/100V-5RE HPE103J2AP050T DAEHUNG	U	D02010306C250S	1	
C4473	963133502520S	C.FILM POLYESTER ST-0.01UF-J/100V-5RE HPE103J2AP050T DAEHUNG	U	D02010306C250S	1	
C4474	nsp	C.ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)		D040010087150S	1	
C4475	nsp	C.ELECT GE 85C 1UF-M/50V,5*11-5RE.SMS SY (Pb Free)		D040010087150S	1	
C4476	963133502530S	C.FILM POLYESTER ST-0.1UF-J/100V-5RE HPE104J2AP050T DAEHUNG	U	D02010406C250S	1	
C4477	963133502540S	C.FILM POLYESTER ST-0.047UF-J/100V-5RE HPE473J2AP050T DAEHUNG	U	D02047306C250S	1	
C4478	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4479	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4480	nsp	C.CERAMIC CHIP HIK Y5V0.047UF-Z/50V-1608REEL		D011473597160S	1	
C4482	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL	N, K	D011104577160S	1	
C4483	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL	N, K	D011104577160S	1	
C4484	nsp	C.CERAMIC CHIP HIK X7R0.01UF-K/50V-1608REEL	N, K	D011103777160S	1	
C4485	nsp	C.CERAMIC CHIP HIK X7R0.01UF-K/50V-1608REEL	N, K	D011103777160S	1	
C4704	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4705	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4706	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4707	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4708	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4710	nsp	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	1	
C4711	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4712	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4716	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4717	nsp	C.CERAMIC CHIP HIK X7R0.1UF-K/50V-1608REEL		D011104577160S	1	
C4718	nsp	C.CERAMIC CHIP T.C COG33PF-J/50V-1608REEL		D010330167160S	1	
C4719	nsp	C.CERAMIC CHIP T.C COG33PF-J/50V-1608REEL		D010330167160S	1	
OTHER PARTS GROUP						
BD4400	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
BD4401	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
BD4402	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
BD4403	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
BD4404	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
BD4405	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
BD4406	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	U	C20000006M160S	1	
BD4406	nsp	COIL BEAD CB03YTYN121-1608REEL	N, K	D340160891210S	1	
BD4407	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	U	C20000006M160S	1	
BD4407	nsp	COIL BEAD CB03YTYN121-1608REEL	N, K	D340160891210S	1	
BD4408	nsp	COIL BEAD CB05YTYH221-2012REEL		D340201292210S	1	
BD4409	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
BD4410	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
BKT3000	nsp	BRACKET AVRX2200WBKE3(DENON) SECC t1.0+Sn plating /PCB MT		4010214876000SV	1	
BKT14001	nsp	BRACKET SR5006U1BSPTH t0.5(CMD1A792) A4/USB		4010215216000S	1	
BKT4401	nsp	BRACKET AVRX2200WBKE3(DENON) SPCC t0.8+SN plating A4/SCREW		401021019600DS	1	
BKT4402	nsp	BRACKET AVRX2200WBKE3(DENON) SPCC t0.8+SN plating A4/SCREW		401021019600DS	1	
BKT4403	nsp	BRACKET AVRX2200WBKE3(DENON)BURNING HOLE SPCC t0.8+SN A4/S		401021019610DS	1	
CLAMP403	nsp	CLAMP HMX9800(ON)(HAITAI) (W=2.6,L=50)/WIRE(SOLDER)		4330000120000S	1	
CLAMP406	nsp	CLAMP HMX9800(ON)(HAITAI) (W=2.6,L=50)/WIRE(SOLDER)		4330000120000S	1	
CN4400	nsp	CN.FPC 1.0MM 1.0-11S-40PW 40P AN DIP TOP CONTACT		L130100114050S	1	
CN4401	nsp	CN.WAFER 2.0MM TUC-P05X-B1 BD-TO-BD 5P HOUSING ST (35237-05)		L101100030510S	1	

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
CN4402	nsp	CN,WIRE ASSY 440MM/6P 20010HS-06=YBNH200-06 2725#24,28 SH SJ		L028441060010S	1	*	
CN4702	nsp	CN,WAFFER C125Z2-11C 11P BtoB SOCKET(FEMALE) P=1.25MM SILK:3		L109012521150S	1		
CP4400	nsp	CN,WAFFER 2.5MM YMAW025-07R DIP RA		L102025070010S	1		
CP4401	nsp	CN,WAFFER 2.0MM TUC-P05P-B1 BD-TO-BD 5P WAFFER ST (35336-05)		L101100040510S	1		
F4400	963652500020S	FUSE CHIP 6125FF500-R 500mA FAST-ACTING SUBMINIATURE FUSE		G657612505030S	1		
FLT4400	172010008005S	DISPLAY,FLT GP1261AI 55.6*25 6.6T GREEN/SR5006		K530126100010S	1		
G4401	nsp	RING,TER WIRE 150MM/1P ST710094-3=B1813TOP-2 1617#22 SJ		B410151010290S	1	*	
JACK4400	963643101150S	JACK,D3.5 JALCO(YKB21-5442V)		G401KB215442VS	1		
JACK4401	963643101160S	TER,RCA 3PIN RCA-328H-1-03(BK,BK,BK)		G606328H0300YS	1		
JACK4700	00D9630244703	JACK,D3.5 EARPHONE JACK PJ-308-02		G40130802000YS	1		
JACK4702	00D2051305008	CN,WAFFER INTERFACE 9P FEMALE D-SUB DS03-09 ADD SCREW(4.8*11.8)BLACK		L103090090030S	1		
JK4400	963643103400S	CN,PLUG CONTACT USB A TYPE R/A A02F-YEY-041-YY(CN002T024T)		G480040030210S	1	*	
JK4401	963643101120S	JACK,D6.5 PHONE (YUQIU) D6.5 9P SILVER PJ-612A-9		G402PJ612A09YS	1		
K1001	00D9630244703	JACK,D3.5 EARPHONE JACK PJ-308-02		G40130802000YS	1		
RMC4400	963262012130S	MODULE,REMOCON R34ES9A 36KHZ IR REMOCON MODULE P=2.54MM		E940349003611S	1		
SW4400	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
SW4401	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
SW4402	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
SW4403	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
SW4404	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
SW4405	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
SW4406	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
SW4407	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
SW4408	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
SW4409	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	1		
VEC4400	963667012360S	SW,ENCODER EC16B24T01D4ZZZ 24PLUSE 360' L=25MM		G121162400060S	1		
VEC4401	963667100170D	SW,ENCODER EC16B12SAAD4ZZZ		G121161200070S	1		

PREOUT PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
Q4200	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q4201	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q5616	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q5617	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q5618	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q5619	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q5620	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q5621	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q5622	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q5623	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
Q5624	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA	J522020011210S	1		
RESISTOR GROUP						
R4200	nsp	R.CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R4201	nsp	R.CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R4202	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4203	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4212	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4213	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R4222	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4223	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4224	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R4225	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4238	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4239	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4242	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4243	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R4712	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4713	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4715	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4716	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4717	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4718	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4719	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R4720	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5600	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5601	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5602	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5603	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5604	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5605	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5606	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5607	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5608	nsp	R.CHIP THICK 820K-J,1/16W-1608REEL	C20008246M160S	1		
R5609	nsp	R.CHIP THICK 91K-J,1/16W-1608REEL	C20009136M160S	1		
R5610	nsp	R.CHIP THICK 91K-J,1/16W-1608REEL	C20009136M160S	1		
R5611	nsp	R.CHIP THICK 820K-J,1/16W-1608REEL	C20008246M160S	1		
R5612	nsp	R.CHIP THICK 91K-J,1/16W-1608REEL	C20009136M160S	1		
R5613	nsp	R.CHIP THICK 91K-J,1/16W-1608REEL	C20009136M160S	1		
R5614	nsp	R.CHIP THICK 91K-J,1/16W-1608REEL	C20009136M160S	1		
R5615	nsp	R.CHIP THICK 91K-J,1/16W-1608REEL	C20009136M160S	1		
R5616	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R5619	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R5620	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R5623	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R5624	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R5626	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R5629	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R5638	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R5639	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R5640	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R5641	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R5642	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R5643	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R5644	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R5645	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R5646	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL	C20004746M160S	1		
R5647	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5650	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5651	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5654	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5655	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5657	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5660	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5661	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5664	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5665	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5666	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5667	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5668	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5669	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5670	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5671	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5672	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5673	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5674	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5675	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5676	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5677	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5678	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5679	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5680	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5681	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R5682	nsp	R.CHIP THICK 470-J,1/16W-1608REEL	C20004716M160S	1		
R5683	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5684	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5685	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5686	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5687	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5688	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5689	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5690	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5691	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5692	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5693	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5694	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R5695	nsp	R,CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5696	nsp	R,CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5697	nsp	R,CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5698	nsp	R,CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5699	nsp	R,CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5700	nsp	R,CHIP THICK 100K-J,1/16W-1608REEL	C20001046M160S	1		
R5701	nsp	R,CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R5702	nsp	R,CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R5703	nsp	R,CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R5704	nsp	R,CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R5705	nsp	R,CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R5706	nsp	R,CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R5707	nsp	R,CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R5708	nsp	R,CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
R5709	nsp	R,CHIP THICK 220-J,1/16W-1608REEL	C20002216M160S	1		
CAPACITORS GROUP						
C4200	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C4201	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C4202	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C4203	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C4208	nsp	C,CERAMIC CHIP T.C X7R0.01UF-K/50V-1608REEL	D010103777160S	1		
C4221	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C4222	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C4720	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C4721	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C4722	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C4723	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C4724	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C4725	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C4726	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C4727	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5600	nsp	C,CERAMIC CHIP HIK X7R1000PF-K/50V-1608REEL	D011102777160S	1		
C5601	nsp	C,CERAMIC CHIP HIK X7R1000PF-K/50V-1608REEL	D011102777160S	1		
C5602	nsp	C,CERAMIC CHIP HIK X7R1000PF-K/50V-1608REEL	D011102777160S	1		
C5603	nsp	C,CERAMIC CHIP HIK X7R1000PF-K/50V-1608REEL	D011102777160S	1		
C5604	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5605	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5606	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5607	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5608	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5609	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5610	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5611	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5620	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5621	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5622	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5623	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5624	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5625	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5626	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5627	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5628	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5629	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5630	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5631	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5632	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5633	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5634	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5635	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5636	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5637	nsp	C,ELECT GE 85C 22UF-M/50V,5*11-5RE.SMS SY	D040220087060S	1		
C5638	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5639	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5640	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5641	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5642	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5643	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5644	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5645	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5646	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL	D010331167160S	1		
C5647	nsp	C,CERAMIC CHIP T.C X7R0.01UF-K/50V-1608REEL	D010103777160S	1		
C5648	nsp	C,CERAMIC CHIP T.C X7R0.01UF-K/50V-1608REEL	D010103777160S	1		
C5649	nsp	C,CERAMIC CHIP T.C X7R0.01UF-K/50V-1608REEL	D010103777160S	1		
C5650	nsp	C,CERAMIC CHIP T.C X7R0.01UF-K/50V-1608REEL	D010103777160S	1		
C5651	nsp	C,CERAMIC CHIP T.C X7R0.01UF-K/50V-1608REEL	D010103777160S	1		
OTHER PARTS GROUP						
CN4704	nsp	CN,WAfer C125Z2-21C 21P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012522150S	1		
CN5600	nsp	CN,WIRE ASSY 200MM/13P 20010HS-13=YNBH200-13 UL2651#26 SJ	L028201130010S	1	*	
CN5601	nsp	CN,WAfer C125Z2-21C 21P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012522150S	1		
CN5602	nsp	CN,WAfer C125Z2-15C 15P BtoB SOCKET(FEMALE) P=1.25MM SILK:3	L109012521550S	1		
CP5604	nsp	CN,WAfer C125Z1-15 15P BtoB HEADER(MALE) P=1.25MM	L109012511540S	1		
CP5605	nsp	CN,WAfer C125Z1-15 15P BtoB HEADER(MALE) P=1.25MM	L109012511540S	1		
JACK5002	00D9630387505	TER,RCA 4PIN RCA-405B-55(WH,WH,RD,BK)-YUQIU	G602405B5500YS	1		
JACK5003	00D9630132103	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU	G602405B0400YS	1		
JACK5611	00D9630132103	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU	G602405B0400YS	1		
JACK5612	00D9630146005	TER,RCA 1PIN RCA-107A(BK)	G600107A0000YS	1		
JACK5613	00D9630387505	TER,RCA 4PIN RCA-405B-55(WH,WH,RD,BK)-YUQIU	G602405B5500YS	1		
JK4200	00D9630132103	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU	G602405B0400YS	1		
JK4201	00D9630132103	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU	G602405B0400YS	1		
JK4202	90M-YT004640R	TER,RCA 2PIN RCA-207AE-02 NI(WH,RD)	G601207AE020YS	1		

EXPLODED

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
PCB GROUP						
P12	nsp	MAIN PCB	7028079621060	1		
P12-P17	-	RS_CNT PCB	7028079622060	1		
P12-P10	-	GUIDE_L PCB	7028079624060	1		
P19	nsp	VIDEO PCB	7028079641060	1		
P19-P14	-	F_CNT PCB	7028079642060	1		
P13	nsp	INPUT PCB	7028079651060	1		
P18	nsp	SMPS PCB	7028079661060	1		
P8	nsp	7CH AMP PCB	7028079671060	1		
P20	nsp	PREOUT PCB	7028079711010	1		
P20-P6	-	HDAM_CNT PCB	7028079712010	1		
P7	963639102640S	HDAM PCB	7025HK1513017	1	*	
P4	nsp	FRONT PCB	7028079731010	1		
P4-P3	-	USB PCB	7028079732010	1		
P4-P1	-	HP PCB	7028079733010	1		
P4-P9	-	TOP_GUIDE PCB	7028079734010	1		
P4-P11	-	FH_GUIDE PCB	7028079735010	1		
P4-P15	-	RS232 PCB	7028079736010	1		
P16	9U6391027000S	HDMI PCB See PROCEDURE AFTER REPLACING THE PCB.	7025HK1513016	1	*	
P16-P2	-	FRONT HDMI PCB	7028079782010	1		
P21	963189101630S	CY920 See PROCEDURE AFTER REPLACING THE U-COM, ETC.	8952160700010	1	*	
OTHER PARTS GROUP						
P1-1 G4401	-	RING,TER WIRE 150MM/1P ST710094-3=B1813TOP-2 1617#22 SJ		1		
P2-1 BKT1100	-	BRACKET SR5009U1BSPT 10.5 A4/HDMI		1		
P2-2	963606502500S	CABLE,FLAT CARD SHIELD 1.0MM 1.0*23*240*A(4/4/8/8)*(0.035*0.65) (AC+AL) SHIELD	N713232412480S	1		
P3-1 BKT4001	-	BRACKET SR5006U1BSPTH 10.5(CMD1A792) A4/USB		1		
P4-1	963606502820S	CABLE,FLAT CARD SHIELD 1.0MM 1.0*40*170*A(4/4/8/8)*(0.035*0.65) AL SHIELD	N713401712480S	1		
P8-1 CN4212	-	CN,WIRE 120MM/10P 20010HS-10=YBNH200-10 UL2651#26 SJ		1		
P8-2 CN4213	-	CN,WIRE ASSY 220MM/5P YMH025-05R=YBNH250-05 UL2651#22 SJ		1		
P8-3 CN4211	-	CN,WIRE ASSY 260MM/3P YMH025-03R=YBNH250-03 UL2651#22 SJ		1		
P8-4 CN5600	-	CN,WIRE ASSY 200MM/13P 20010HS-13=YBNH200-13 UL2651#26 SJ		1		
P12-1 JACK4001	-	TER,BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)	-	1		
P12-1 JACK4002	-	TER,BOARD SCREW 2P/JB207-F02R3BY-B(RD,BK)(Transparence)	-	1		
P12-1 JACK4003	-	TER,BOARD SCREW 2P/JB207-F02R3BY-B(RD,BK)(Transparence)	-	1		
P12-1 JACK4004	-	TER,BOARD SCREW 2P/JB207-F02R3BY-B(RD,BK)(Transparence)	-	1		
P12-1 JACK4005	-	TER,BOARD SCREW 2P/JB207-F02R3BY-B(RD,BK)(Transparence)	-	1		
P12-1 JACK4006	-	TER,BOARD SCREW 2P/JB207-F02R3BY-B(RD,BK)(Transparence)	-	1		
P12-1 JACK4000	-	TER,BOARD SCREW 2P/JB207-F02R3BY-B(RD,BK)(Transparence)	-	1		
P12-2 C4052	-	C,ELECT GE 85C/10000UF-M/71V,35*50 BULK LAO-71V103MS57P5W1#B	-	1		
P12-2 C4054	-	C,ELECT GE 85C/10000UF-M/71V,35*50 BULK LAO-71V103MS57P5W1#B	-	1		
P12-3 C4067	-	C,ELECT GE 85C/4700UF-M/25V(MHA),16*25 P=7.5 L.BLK	-	1		
P12-4 C4065	-	C,ELECT GE 85C/6800UF-M/25V,16*31.5 MHA SY	-	1		
P16-1 K1002	-	TER,RCA 2PIN RCA-206A-07 NI SHIELD(BK,BK)	G601206A0700YS	1		
P16-2 CN4141	-	CN,WIRE 150MM/6P YMH025-06R=YBNH250-06 UL2651#22 SJ		1		
P16-3 CN404	-	CN,WIRE 170MM/7P 20010HS-07=YBNH200-07 UL2651#26 SJ		1		
P16-4 CN4402	-	CN,WIRE ASSY 440MM/6P 20010HS-06=YBNH200-06 2725#24.28 SH SJ		1		
P18-1 C4162	-	C,ELECT GE 105C 5600UF-M/6.3V,12.5*35 NXA SY		1		
P18-1 C4164	-	C,ELECT GE 105C 5600UF-M/6.3V,12.5*35 NXA SY		1		
P18-1 C4165	-	C,ELECT GE 105C 5600UF-M/6.3V,12.5*35 NXA SY		1		
P18-2 C4151	-	C,ELECT GE 105C 100UF-M/200V,16*20 BULK 5.0MC NHA SY		1		
! P18-3 T4140	-	TRANS,SWITCHING EER2525 SW TRANSFORMER		1		
P18-4	nsp	SHIELD SR5010U1B SPT 10.3/SMPS	3070210836000S	1		
P19-1 JACK5000	-	TER,RCA 3PIN RCA-303B1-01(YL,YL,YL)		1		
P19-2 JACK5003	-	TER,RCA 3PIN RCA-303B1-08(GN,BL,RD)		1		
P19-2 JACK5002	-	TER,RCA 3PIN RCA-303B1-08(GN,BL,RD)		1		
P19-2 JACK5001	-	TER,RCA 3PIN RCA-303B1-08(GN,BL,RD)		1		
P19-3 JACK5005	-	TER,RCA 2PIN RCA-206B-02(OR,OR)		1		
P20-1 JACK5003	-	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU		1		
P20-1 JACK5611	-	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU		1		
P20-1 JK4200	-	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU		1		
P20-1 JK4201	-	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU		1		
P20-2 JACK5613	-	TER,RCA 4PIN RCA-405B-55(WH,WH,RD,BK)-YUQIU		1		
P20-2 JACK5002	-	TER,RCA 3PIN RCA-303B1-08(GN,BL,RD)		1		
P20-3 JK4202	-	TER,RCA 2PIN RCA-207AE-02 NI(WH,RD)		1		
P20-4 JACK5612	-	TER,RCA 1PIN RCA-107A(BK)		1		
OTHER PARTS GROUP						
1	963412100790M	KNOB FUNCTION	SG	5088212691100V	2	
1	963412100780M	KNOB NR1403U1B(MARANTZ) BLACK A3/VOLUME KNOB	BK	5080212691000CN	2	
2	963421006200M	BADGE NR1501FB(MARANTZ) SILVER/GRAY 11c AL		5630210678000S	1	
3	943424100270M	DECORATION RING SR5006U1B(MARANTZ) ABS BK(CGR1A526B37) A3/RING	BK	5127210981000CN	2	
3	943424100280M	DECORATION RING	SG	5127210981100CN	2	
4	00M10BW355010	LENS POWER SR5005U1B(MARANTZ)(CGL1A231) PMMA HI-855M A4/POWER		3710211083000CN	1	
5	411510021005M	BUTTON POWER NR1606(MARANTZ) ABS BK HF380-9001 POWER TACT	BK	5090213961000CN	1	
5	963411012000M	BUTTON POWER	SG	5097213961100CN	1	
6	943423100290M	LENS BUTTON SR5006U1B(MARANTZ) PMMA(CGL1A294) A4/BUTTON		3710211183000CN	2	
7	416510046009M	WINDOW DISPLAY SR5006U1B(MARANTZ) PMMA(CGU1A455) A3/DISPLAY		5070213183000CN	1	
8	416510047101M	SHEET WINDOW SR-5006 PC CLEAR t1.0(CGX1A449Y) A3/WINDOW		1217211562000CN	1	
9	943424100250M	HOLDER WINDOW SR5006U1B(MARANTZ) ABS BK(CGR1A525) A3/WINDOW		4320211091000S	1	
10	nsp	DECORATION WINDOW SR5006N1SG(MARANTZ) ABS BK(CMH1A320) A3/WINDOW		5120210991000CN	1	
11	nsp	PLATE RCA SR5006U1B(MARANTZ) CUS t0.2(CMC1A426) A4/RCA		44702122216000S	1	
12	nsp	PLATE USB SR5006U1B(MARANTZ) CUS t0.2(CMC1A425) A4/USB		4470212206000S	1	
13	943411101410M	BUTTON 9KEY SR-5006(U1B) ABS BK(CBT1A1158B37) A3/9KEY	BK	5097214711000CN	1	
13	943411101420M	BUTTON 9KEY	SG	5097214711100CN	1	
14	nsp	HOLDER REMOCON SR5006U1B(MARANTZ) ABS BK(CMH1A321) A4/REMOCON		4320211081000CN	1	
15	481510019100M	LENS REMOCON SR5006U1B(MARANTZ) PMMA(CGU1A460) A4/REMOCON	BK	3710211173000CN	1	
15	481510019131M	LENS REMOCON	SG	3710211173100CN	1	
16	963402106200S	PANEL FRONT SR5011U1B(MARANTZ) ABS BK A2 / FRONT	U	3067216471020S	1	*
16	963402106210S	PANEL FRONT	BK, N, K	3067216471030S	1	*
16	963402106220S	PANEL FRONT	SG, N	3067216471110S	1	*
17	943419100320M	COVER RCA ASSY SR5007U1B(MARANTZ) ABS+PA6 A3/RCA	BK	4318215411010CN	1	
17	943419100330M	COVER RCA ASSY	SG	4318215411110CN	1	
19	nsp	CLAMP ACM393(AKA) DARB-2(W=4.5,L=50)WIRE(MTG)		4330000310000S	1	
20	nsp	CUSHION SCREW AVR1911BKE3(DENON) RUBBER(HARDNESS50~70)BK/SCREW		4050213025000S	3	
21	nsp	CUSHION CABINET SIDE AVRE400BKE3(DENON) EVA60X60X4.5 BK/CABINET SIDE		4050214795000V	2	
22	963434100010S	SHOULDER FOOT NR1607U1B(TORAY)K10250D L=3		4050216179000S	4	
23	00M243W057210	FOOT NR1605U1B(MARANTZ) ABS/FOOT (ANAM COM)		4007210841000CN	4	
24	nsp	CHASSIS MAIN SR5010U1B(MARANTZ) SECC 1.0T A2/MAIN		3200215236100S	1	
25	nsp	SUPPORTER PCB VSX423K/SYX8(PIONEER) ABS BK/PCB		4070001601020S	2	
26	nsp	CUSHION FFC AVR2313CIBKE3(DENON) EVA10t 20X15 BK/FRONT FFC		4050214335000S	1	
28	nsp	CHASSIS BACK SR5011U1B(MARANTZ) SECC 0.6T A2/BACK	U	3207215366400S	1	*
28	nsp	CHASSIS BACK	N	3207215366410S	1	*
28	nsp	CHASSIS BACK	K	3207215366420S	1	*
29	nsp	SHEET RATING AVR1913BKE3(DENON) Teflon t0.06 A4/RATING CHASSIS		1210211909000S	1	
30	nsp	SHEET HIMELO SR5006U1B(MARANTZ) HIMELO 10*70*t0.35 A4/HIMELO		1210211629000V	3	

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
!	31	963101102450M	TRANS MAIN SR5011 U1B(MARANTZ) 120V/60HZ 96*65/MAIN SEOUL	U	8200960650240V	1		
!	31	963101102460M	TRANS MAIN	N	8200960650250V	1		
!	31	963101102470M	TRANS MAIN	K	8200960650260V	1		
	32	nsp	BRACKET PCB R925 SECC 1.0T/H SINK		4010056906010S	5		
	33	nsp	HEATSINK MAIN AVR2200WBKE3418*37 H(80) A2/MAIN		2120212398000S	1		
	34	nsp	SHEET GRAY TOP NR1607U1B(MARANTZ) PPE t0.4 BLACK/TOP SHEET		1210211362000V	1		
	35	nsp	WASHER TOOTH CM6001 F1B(MARANTZ) 2.75*6.5*0.451 TOOTHED WASHER		1530210126000S	3		
	42	nsp	BRACKET SMPS AVR1911BKE3(DENON) SECC t1.0 A4 /SMPS		4010214886000S	1		
	43	963403101100D	CABINET TOP AVR2200WBKE3(DENON) SECC t0.7/TOP	BK	3007212166000S	1		
	43	963403101110D	CABINET TOP	SG	3007212166010S	1		
	44	nsp	SPEAKER REAR SHEET SR-5008 (U1B) PC(Clear T0.2) A4/SPEAKER REAR SHEET		1217212389000S	1		
	45	nsp	TAPE ACETATE(10*70) (DENON) NITTO NO 156(15*70)A4/ACETATE CLOTH		1220210129300V	2	*	
	46	963419100910S	BUSH WIFI ANT AVR2100WBKE3(DENON) ABS(HB)(CMH1A357) A4/WIFI ANT		2410210161000CN	2		
	47	963419100920S	HOLDER WIFI ANT AVR2100WBKE3(DENON) ABS(HB)(CMH1A358) A3/WIFI ANT		4320211391000CN	2		
	48	963419100930S	SUPPORTER WIFI ANT AVR2100WBKE3(DENON) ABS(HB)(CMH1A360) A3/WIFI ANT		4070212301000CN	2		
	49-1	963116100810S	ANTENNA,ROD WIFI ANT 450mm RFDPA870945IMLB305 450MM WIFI ANT		E600000230040S	1		
	49-2	963116100820S	ANTENNA,ROD WIFI ANT 300mm RFDPA870930IMLB306 300MM WIFI ANT		E600000230030S	1		
!	50	963641500550S	SOCKET,POWER AC AC INLET R-301(B21)		G430040807010S	1		
	51	nsp	PLATE HDMI GND SR5009U1BSPTE t0.2 A4/HDMI GND		4470212936000S	1		
	52	nsp	INSULATION HDMI PCB AVR2300WBKE3(DENON) PC 0.175+AL A2/HDMI PCB		1240210212000S	1		
	53	nsp	SUPPORTER PCB(H:18mm) AVR2300WBKE3(DENON) KANG YANG LCC-18 H18/PCB		4070212511000S	3		
	T1 Q410	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
	T1 Q422	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
	T1 Q434	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
	T1 Q446	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
	T1 Q458	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
	T1 Q470	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
	T1 Q482	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
	T2 Q404	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
	T2 Q416	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
	T2 Q428	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
	T2 Q440	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
	T2 Q452	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
	T2 Q464	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
	T2 Q476	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
	T3 Q409	963219003340S	TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
	T3 Q421	963219003340S	TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
	T3 Q433	963219003340S	TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
	T3 Q445	963219003340S	TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
	T3 Q457	963219003340S	TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
	T3 Q469	963219003340S	TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
	T3 Q481	963219003340S	TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
@	nsp		CN,WIRE 60MM/2P YH396-03V=DFA18-2.8 WH1617#22 SJ		L026600020010S	1	*	
@	nsp		SCREW HCD3700(HAITAI) +2S 3*8 ZnY WASHER PI12		1500001456010SV	1		
SCREW GROUP								
A	nsp		SCREW,TAP TITE NR1606U1B(MARANTZ) +2S 3*10 B-TITE CZN /BH		B020030101B10SV	30		
B	nsp		SCREW,TAP TITE () +2S 3*6(ROUND) BK/BH		B020230063B10SV	1		
C	nsp		SCREW,TAP TITE KRA4030(K)(KENWOOD) +2S 3*8 B-TYPE ZNW/BH		B020030081B10SV	35		
D	nsp		PREPARE ASSY SR5011U1B(MARANTZ)		1038HK1513010	1	*	
E	nsp		SCREW,TAP TITE XHM82K/SYXEV8(PIONEER) +2S 3*8(ROUND) BK/BH		B020230083B10SV	8		
F	nsp		NUT			2	*	
G	nsp		SCREW,TAP TITE ASSY AVR1910BKE3(DENON) +3S 4*10 P+S-WASHER(ROUND)BK/BH		B028940101B11SV	4		
H	nsp		SCREW,TAPPING ASSY AVR1404(KE3)(DENON) +2S 3*14 P(Φ6)S-WASHER ZNY/HH		B018230141H11SV	21		
R	nsp		SCREW,TAP TITE HCD60M(HAITAI) +2S 3*17 B-TYPE ZNW/BH		B020030171B10SV	2		
J	nsp		SCREW AVR3300(E3)(DENON) +2S 4*8 B-TYPE(DOT) BK/BH	BK	1500040083B10SV	6		
J	nsp			SG	1500040084B10SV		*	
K	nsp		SCREW,TAP TITE AVR3300(E3)(DENON) +2S 3*10 B-TYPE(DOT) BK/BH		B020030103B11SV	35		
L	nsp		SCREW,TAP TITE NR1606U1B(MARANTZ) +3S 3*6 C-TITE(DOT) BK/BH		B020930063B11SV	13		
M	nsp		SCREW,TAP TITE KRA4030(K)(KENWOOD) +2S 3*8 B-TYPE BK/BH		B020030083B10SV	2	*	
N	nsp		SCREW,TAP TITE XHM82K/SYXEV8(PIONEER) +3S 3*6 ZNW/BH		B020930061B10SV	1	*	
T	nsp		SCREW HRV4000(K)(HAITAI) +2S 3*8 PI9.5 B-TYPE ZNW		1500001206010SV	2		
P	nsp		SCREW,TAP TITE N-70A/JXEV(PIONEER) +2S 3*6 B-TYPE ZNW/BH		B020030061B10SV	4		

PACKING

※Parts indicated by "nsp" on this table cannot be supplied. Part indicated by "@" mark is not illustrated in the exploded view

※The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions

NOTE: The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver Gold model

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
2	nsp	PE SHEET Warning 28 Language NITRON 750*1460 VINA/SET		6327040059000V	1		
3	30701016800AD	REMOCON NR1605(MARANTZ)/RC024SR HB8101P		8300024001050S	1		
4-1	963533103140S	CUSHION.SNOW SR5010U1B EPS WH 55/Front TOP		6230214044000S	1		
4-2	963533103150S	CUSHION.SNOW SR5010U1B EPS WH 55/Front BOTTOM		6230214054000S	1		
4-3	963533103160S	CUSHION.SNOW SR5010U1B EPS WH 55/REAR TOP		6230214064000S	1		
4-4	963533103170S	CUSHION.SNOW SR5010U1B EPS WH 55/REAR BOTTOM		6230214074000S	1		
5	nsp	BATTERY.DRY R03 AAA SIZE 1.5V		G670001R50243S	2		
6	32401000800AD	MIC CONDENSER AUTO SETUP MIC ACM1HB		M040000310080S	1		
7	963531105910S	BOX.GIFT SR5011U1B(MARANTZ) DW 515*427*238	U	6007213000010S	1	*	
7	963531105890S	BOX.GIFT	N	6007213000020S	1	*	
7	963531105900S	BOX.GIFT	K	6007213000030S	1	*	
8	nsp	LABEL SR5011 (U1B) CONTROL/Box 2EA+SERIAL 1EA attach	U	5507000020700V	1	*	
8	nsp	LABEL	NBK	5507000020710V	1	*	
8	nsp	LABEL	NSG	5507000020720V	1	*	
8	nsp	LABEL	K	5507000020730V	1	*	
10	nsp	TAPE TAPE PACKING W:50(NEW TAPE:4.5kgf)		1220210772000S	1.5		
11	nsp	COLOR LABEL	SG	5507000019520S	2		
17	nsp	LABEL AVR/NR/SR DTS ready sticker - BOX ATTACH		5507000019900S	2		
18	nsp	CARD WARRANTY (K)	K	5727000000451S	1	*	
12	42911002000AS	STAND ASSY AVR X2100WBKE3(DENON) (CPG1A1021ZA)PAPER A3/MIC		4148210170000S	1		
13	nsp	LABEL AVR NR SR / MIC		5507000019510S	1		
! 14	963611501070S	CORD ASSY 13A/125V SP14/IS14A SJT 16AWG*2 1.8M WH-STRAP	U	L068125130220S	1		
! 14	90M-ZC000600R	CORD ASSY 16A/250V M3204/VAC17S H05VV-F2C*1MM 1.8M WH-STRAP	N	L068250160170S	1		
! 14	963611501100S	CORD ASSY 10A/250V SP505A/IS14A RVV300/500 1.83M WH-STRAP	K	L068250100220S	1		
15	nsp	BUSHING	N	2410040353010S	1		
16	nsp	LABEL SR5011/U1B QR CODE DONT RETURN STICKER	U	5507000020880CN	1	*	
A4 SIZE POLY BAG ASSY							
	nsp	NOTE ON RADIO NR1607/SR5011(ALL) Notes on RADIO Sheet (A3)		5227000004090V	1		
	nsp	Cautions on Using Batteries sheet	N	5227000004160V	1	*	
	nsp	SAFETY INST. NR1506 (U1B) Safety Instruction (A3)	U	5227000003661S	1		
	nsp	SAFETY INST.	N	5227000003651S	1		
	nsp	SAFETY INST.	K	5227000003620S	1	*	
	nsp	WARRANTY CARD Marantz (U1B) WARRANTY No.54311010512AM	U	5727000000170S	1		
	nsp	WARRANTY CARD Marantz (U) Canada Warranty No.5431 10453 10AM		5727041650181V	1	*	
	963544104550S	SPK WIRE LABEL AVRS910 X2200/SR5010/NR1606(ALL) SPEAKER WIRE	U	5507000018970S	1		
	963116100550S	ANTENNA.WIRE ANT FM NTSC CABLE 1500MM BK1007#22 WH-STRAP LABEL		E605010140050S	1		
	963116100560S	ANTENNA.LOOP ANT AM LOOP STAND 9.5UH BK1691#24 WH-STRAP LABEL		E601019000050S	1		
	nsp	ANT ISOLATOR (E1C ONLY)	K	L170200060010S	1		
	nsp	CARD PASS(Only K1B)	K	5777000000290S	1		
A5 SIZE POLY BAG ASSY							
	nsp	SPOTIFY INSERTION SHEET AVR/NR/SR SPOTIFY insertion Sheet(A4)	U, N	5227000003950V	1		
	nsp	DTS:X USER UPDATE INSERTION SR5010/NR1606(U1B) dts:X insertion sheet	U	5227000003880S	7		
	nsp	DTS:X USER UPDATE INSERTION	N	5227000003920S	1		
	nsp	DTS:X USER UPDATE INSERTION	K	5227000003990S	1		
	nsp	UPDATE INSERTION SHEET NR1607/SR5011(U) Firmware Update insertion	U	5227000004150V	1	*	
	54111137300AM	GETTING STARTED SR5011 (U1B) Quick Manual / No.	U	5707000010830V	1	*	
	54111137700AM	GETTING STARTED	N	5707000010840V	1	*	
	54111138100AM	GETTING STARTED	K	5707000010850V	1	*	
	nsp	LABEL AVR/NR/SR SPOTIFY STICKER - BK		5507000020100V	1		