

AV Pre Tuner

AV7703



- 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 (Release schedule)

<http://manuals.marantz.com/AV7703/NA/EN/index.php> (October 2016)

<http://manuals.marantz.com/AV7703/EU/EN/index.php> (October 2016)

(You can download PDF owner's manual of "NA" model from SDI server as of September 2016.)

CAUTION IN SERVICING

ELECTRICAL

MECHANICAL

REPAIR INFORMATION

UPDATING



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.

Ⓢ 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

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 $\triangle$ 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.

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 $\triangle$ mark. |
| (2) Parts lists | Indicated by the $\triangle$ 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

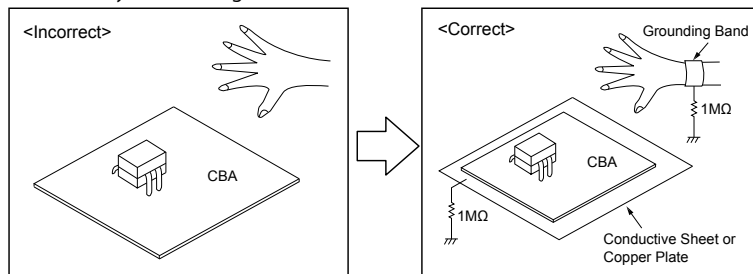
Electrostatic breakdown of the semi-conductors or optical pickup may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

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.

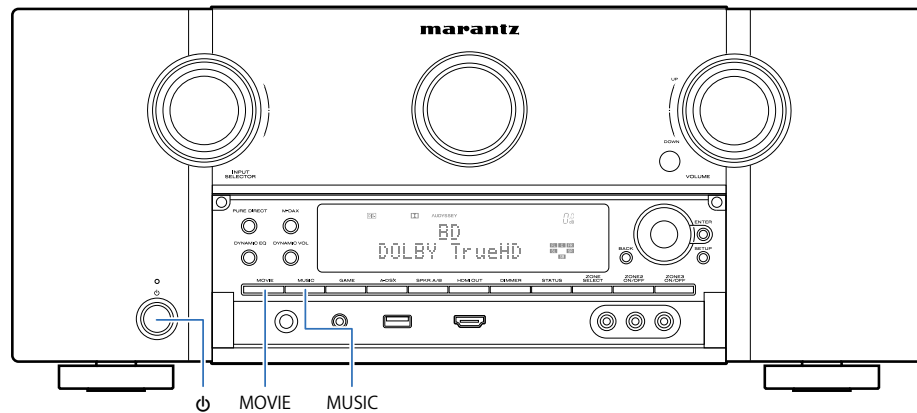
Initializing This Unit

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 "**MOVIE**" and "**MUSIC**" 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.Use network initialization mode to initialize the network related settings.

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
8U-110136S : EXTENSION UNIT KIT : 1 Set
(See [JIG FOR SERVICING](#))

SCHEMATIC DIAGRAMS

[SCH01_DIGITAL CONNECT](#)
[SCH02_DIGITAL POWER](#)
[SCH03_MAIN CPU](#)
[SCH04_EXPANDER](#)
[SCH05_CPU LEVEL CHG](#)
[SCH06_DIR](#)
[SCH07_AUDIO PLD](#)
[SCH08_DSP1](#)
[SCH09_DSP2](#)
[SCH10_DSP3](#)
[SCH11_DSP4](#)
[SCH12_ADC](#)
[SCH13_ZONE DAC](#)
[SCH14_LEGO](#)
[SCH15_VIDEO DECODER](#)
[SCH16_HDMI SW2](#)
[SCH17_HDMI SW1](#)
[SCH18_VSP & IP & OSD](#)
[SCH19_VIDEO PLD](#)
[SCH20_HDMI TX & SCALER](#)
[SCH21_INPUT](#)
[SCH22_PREOUT](#)
[SCH23_FHDMI](#)
[SCH24_A-VIDEO](#)
[SCH25_RC-5](#)
[SCH26_RS232C_TRIGGER](#)
[SCH27_SIDE CNT](#)
[SCH28_FRT CNT](#)
[SCH29_MAIN DAC1](#)
[SCH30_MAIN DAC2](#)
[SCH31_XLR](#)
[SCH32_REGULATOR & TUNER](#)
[SCH33_FRONT](#)
[SCH34_HDAM1](#)

[SCH35_HDAM2](#)
[SCH36_SMPS](#)

PRINTED CIRCUIT BOARDS

[DIGITAL](#)
[INPUT, F-HDMI, FRONT CABLE](#)
[VIDEO, SIDE CNT, GUIDE, GUIDE FFC1](#)
[XLR\(Aside\), FUSE](#)
[XLR\(Bside\), FRONT CNT](#)
[FRONT, FHDMI FFC TOP, FHDMI FFC TOP-B, FRONT](#)
[SW, HDMI FFC TOP, HP](#)
[HDAM, SMPS](#)

LEVEL DIAGRAM

[FRONT ch](#)
[CENTER / SURROUND ch](#)
[SUBWOOFER ch](#)
[ASSIGN1 / 2 / 3 \(SURR.BACK / HEIGHT1 / HEIGHT2\) ch](#)
[ZONE2/ZONE3 ch](#)

BLOCK DIAGRAM

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

POWER DIAGRAM

WIRING DIAGRAM

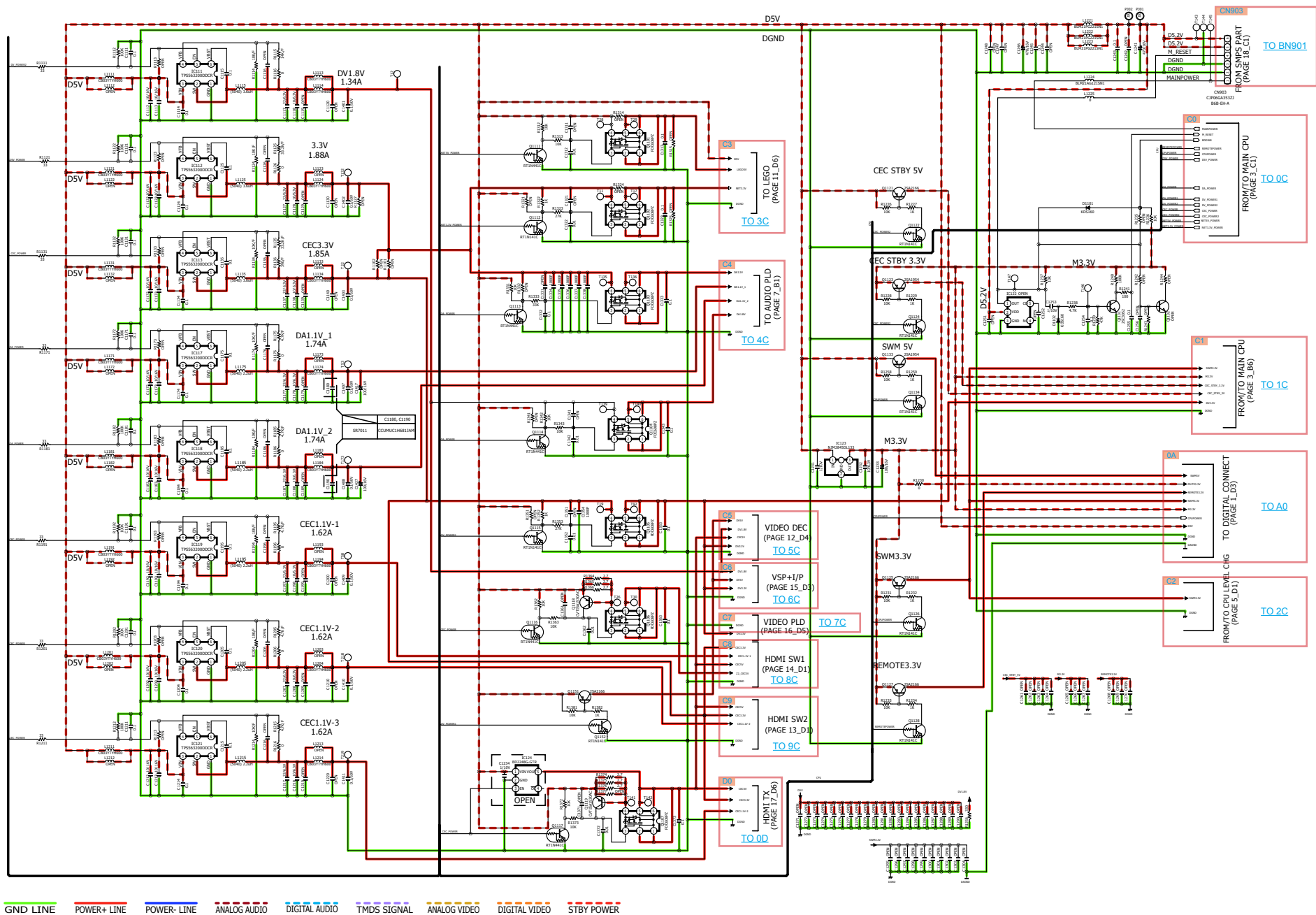
SEMICONDUCTORS

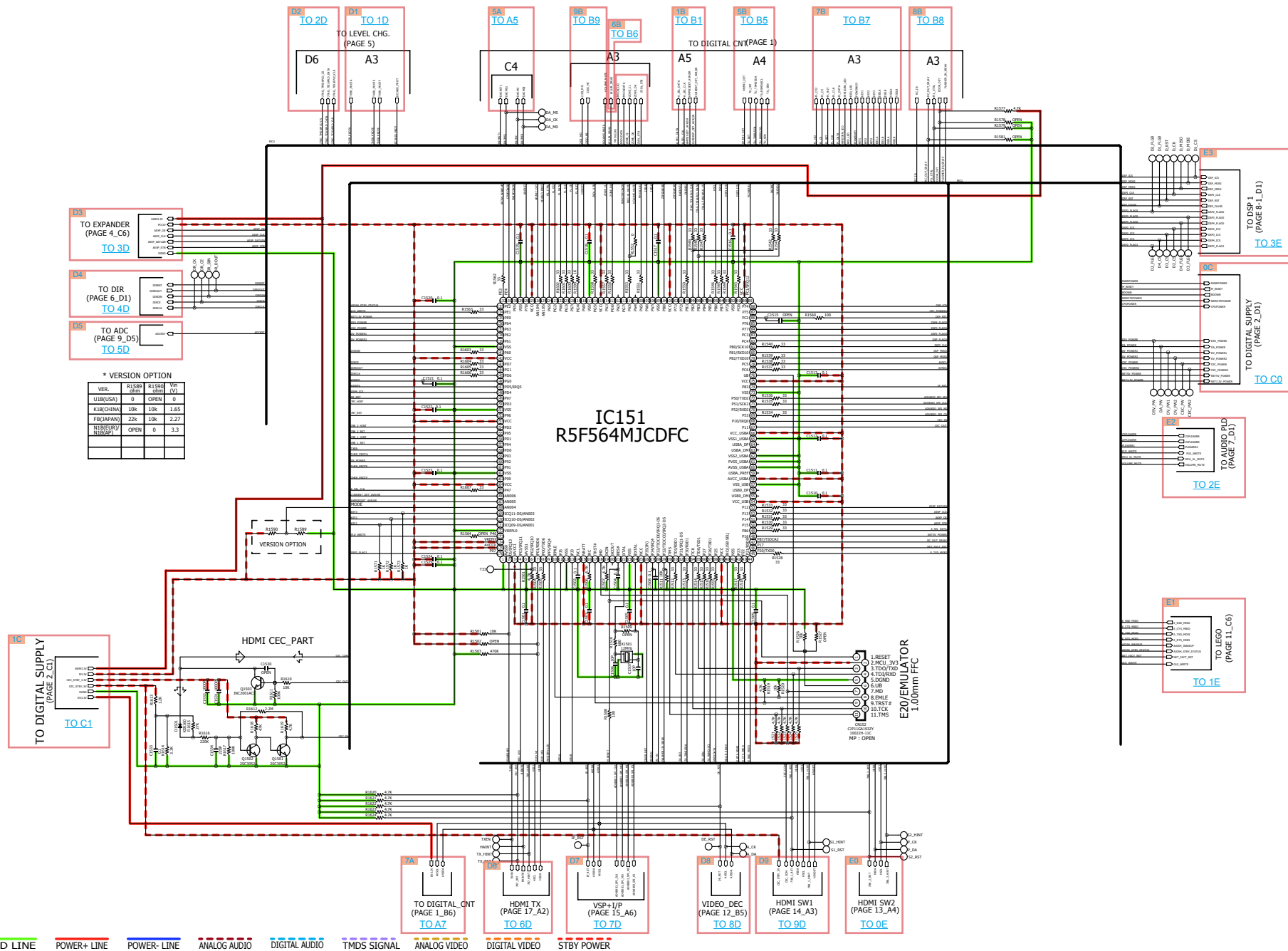
[1. IC's](#)
[2. FL DISPLAY](#)

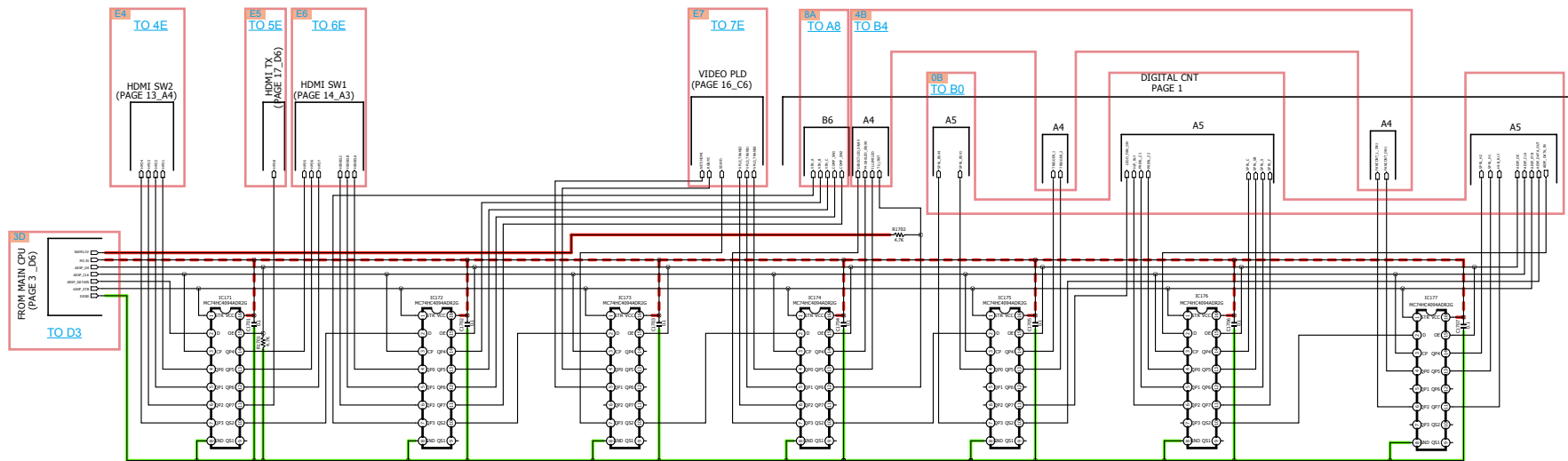


SCH01_DIGITAL CONNECT

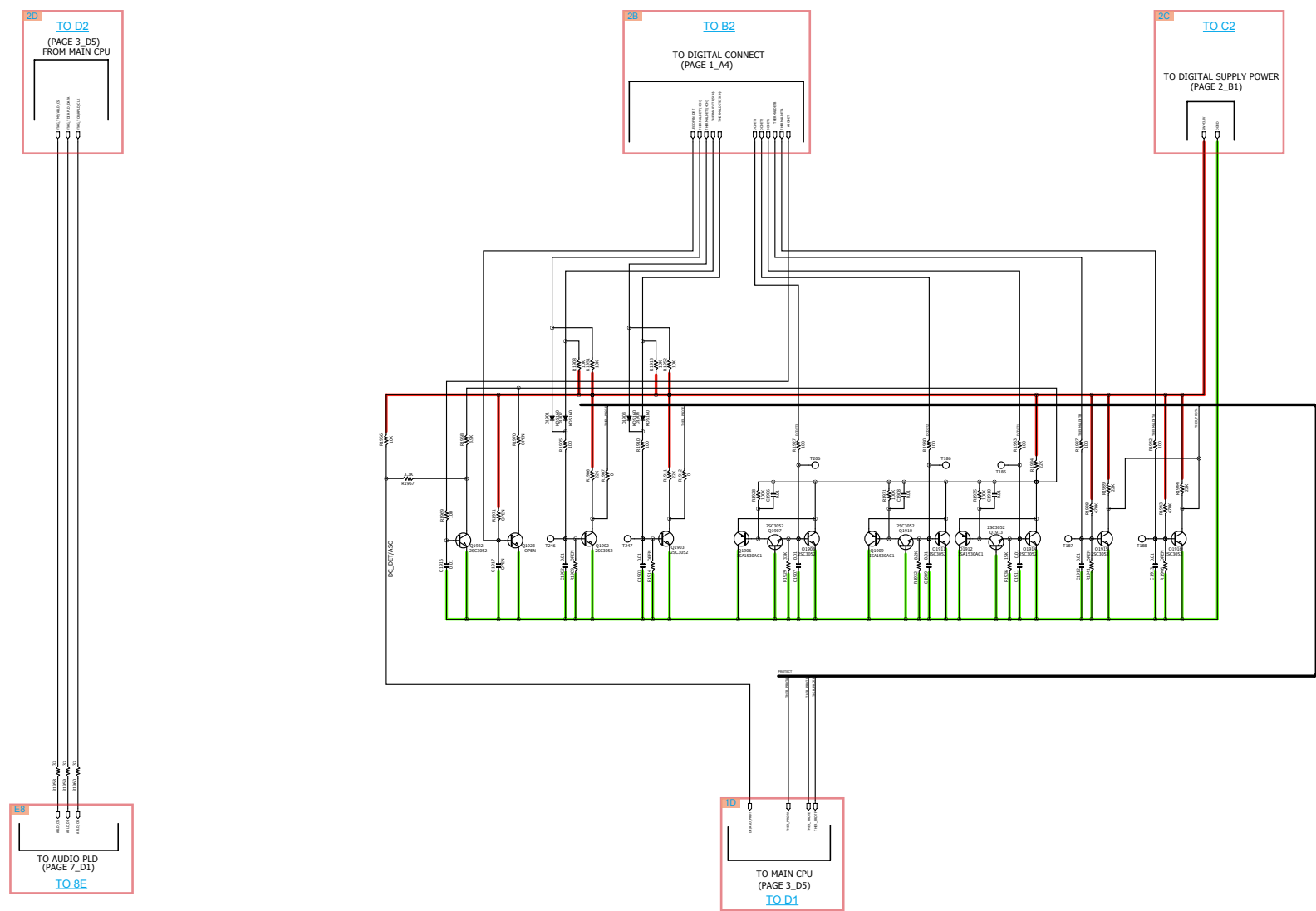




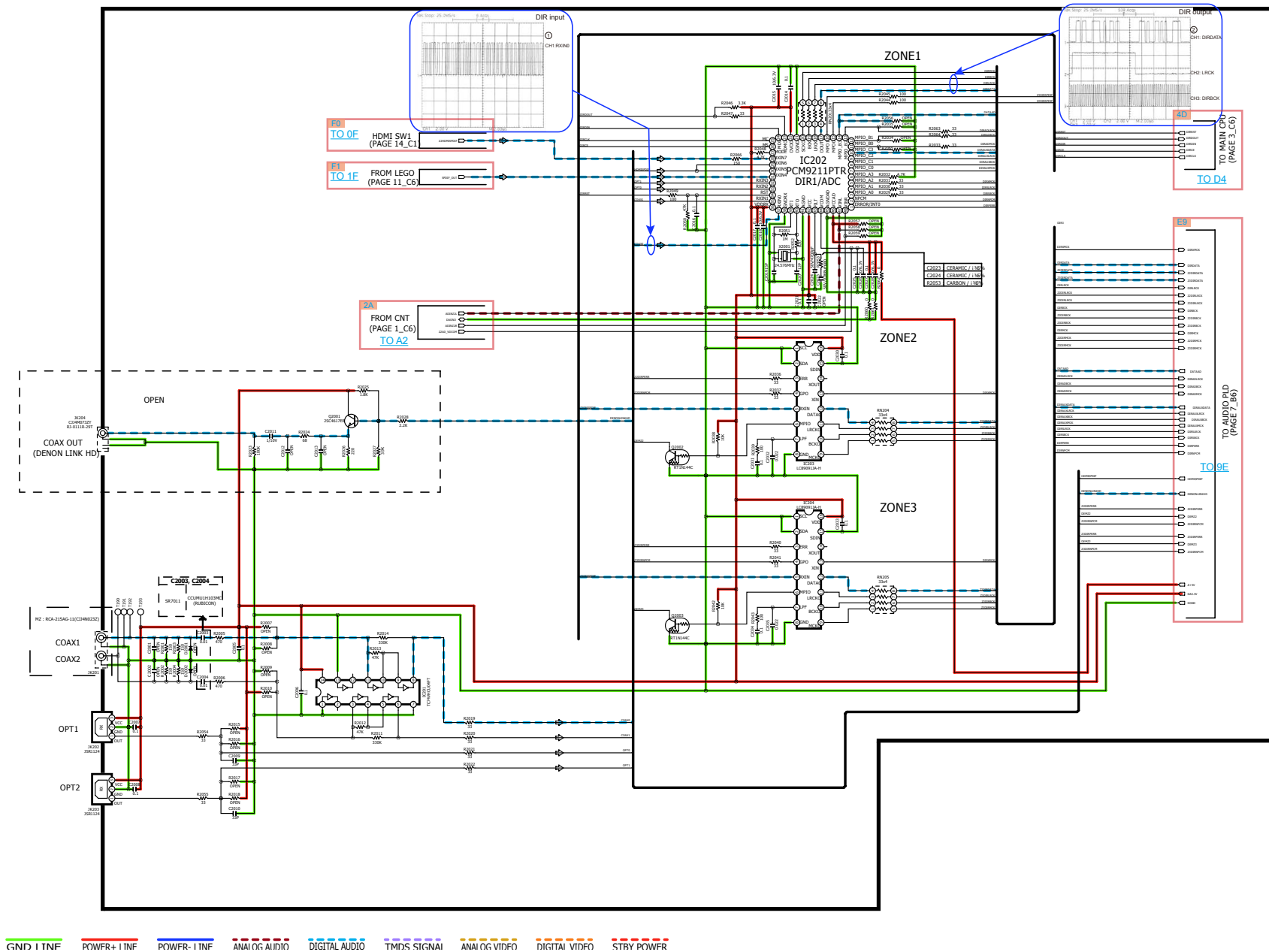


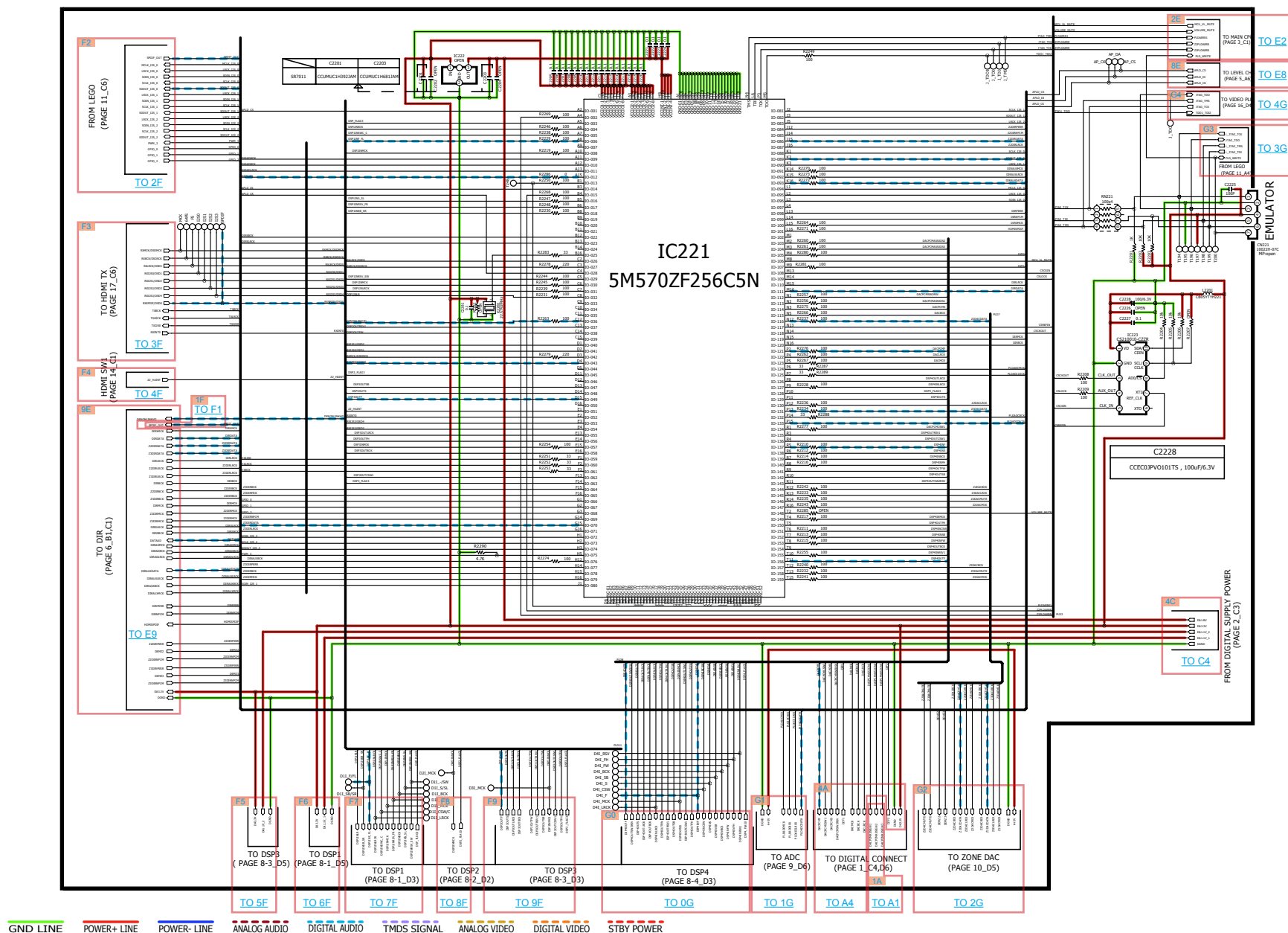


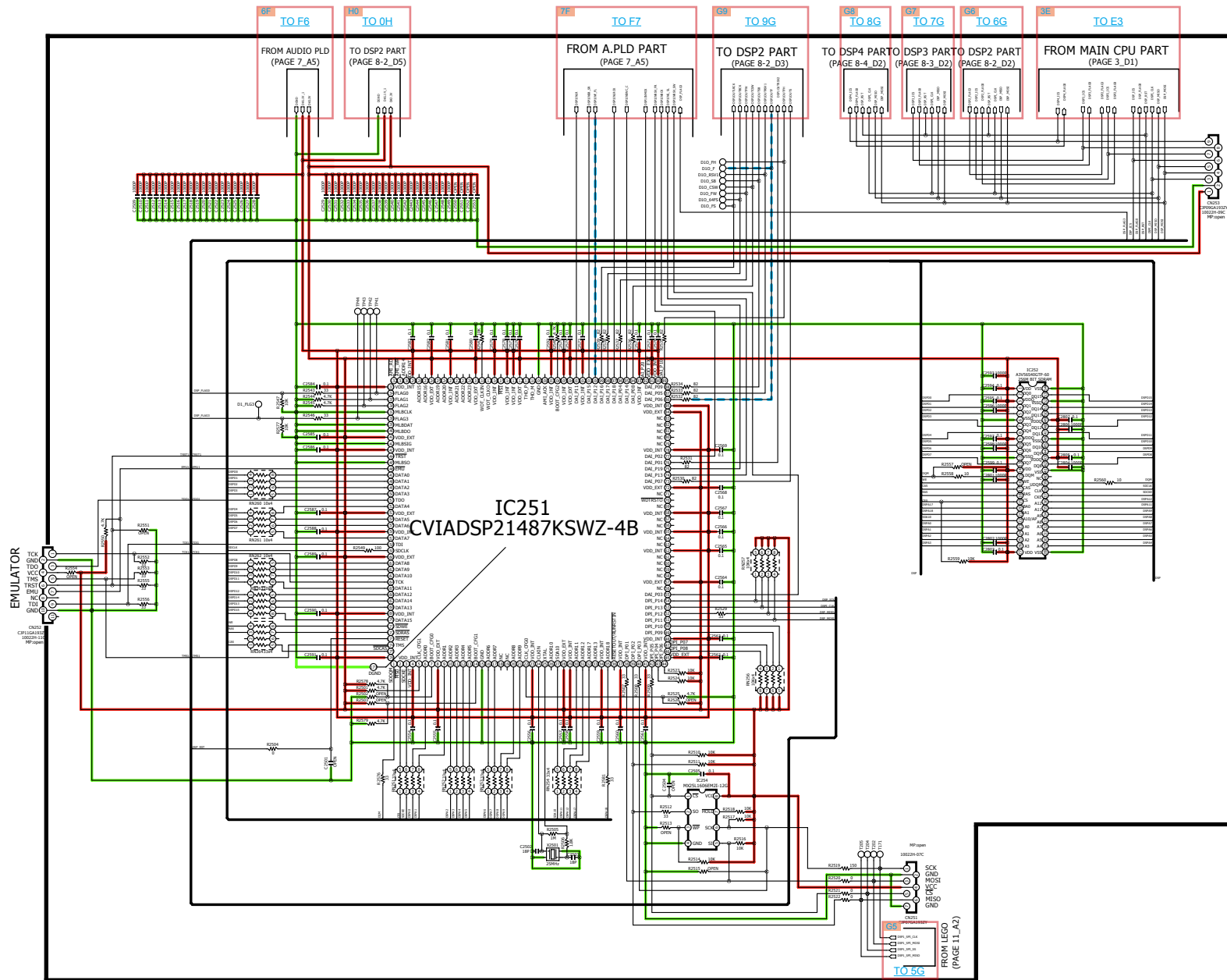
GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL ANALOG VIDEO DIGITAL VIDEO STBY POWER

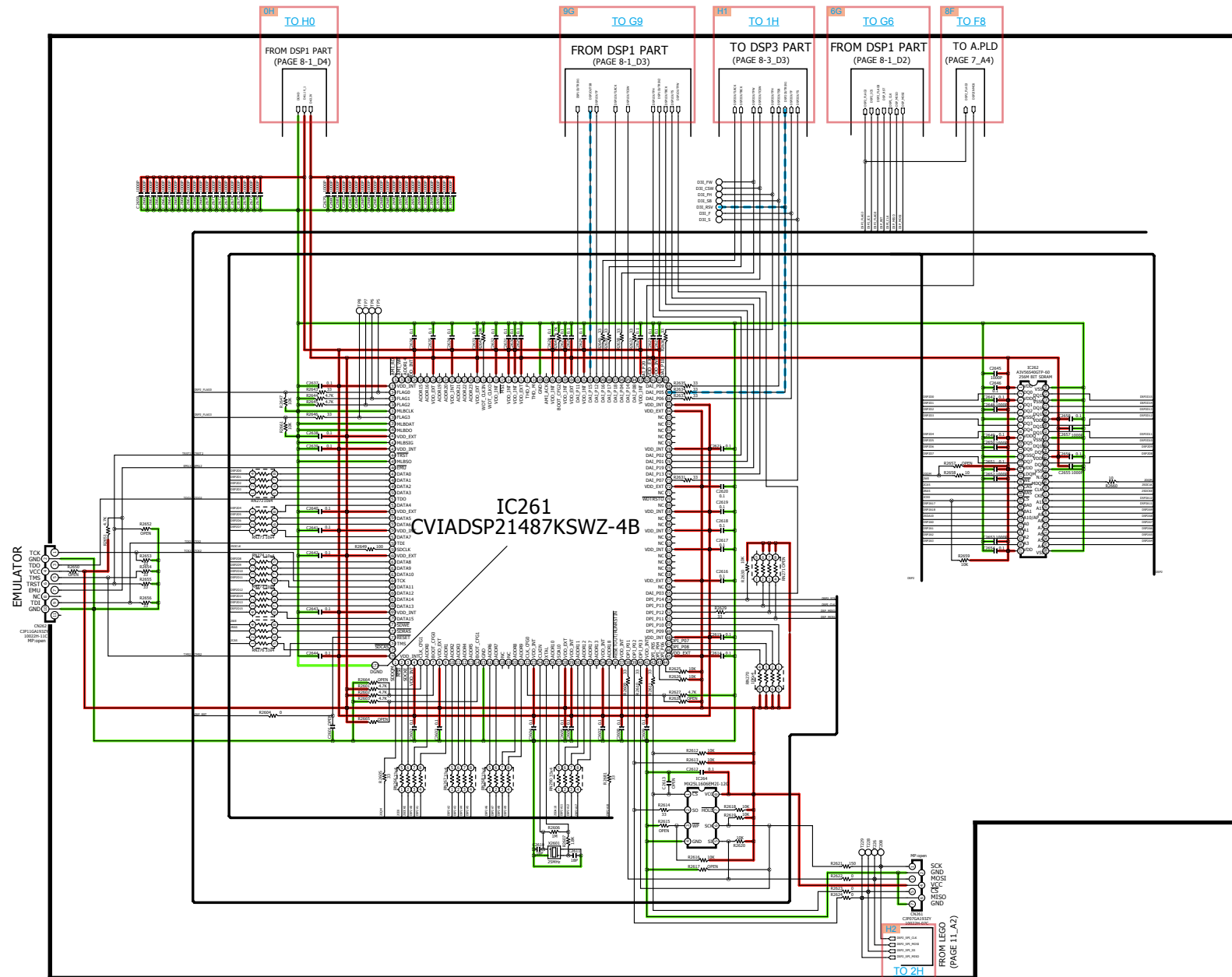


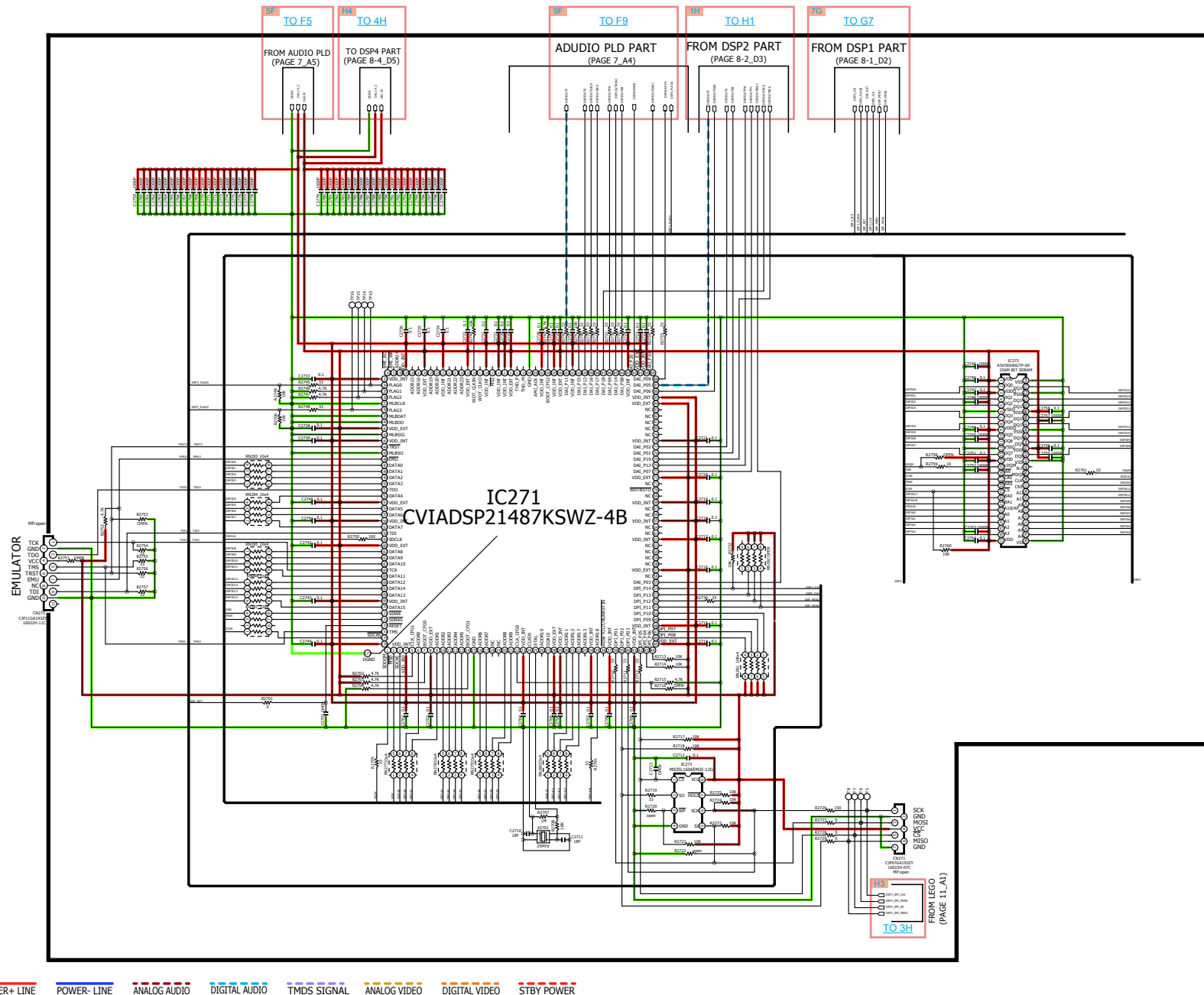
GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL ANALOG VIDEO DIGITAL VIDEO STBY POWER

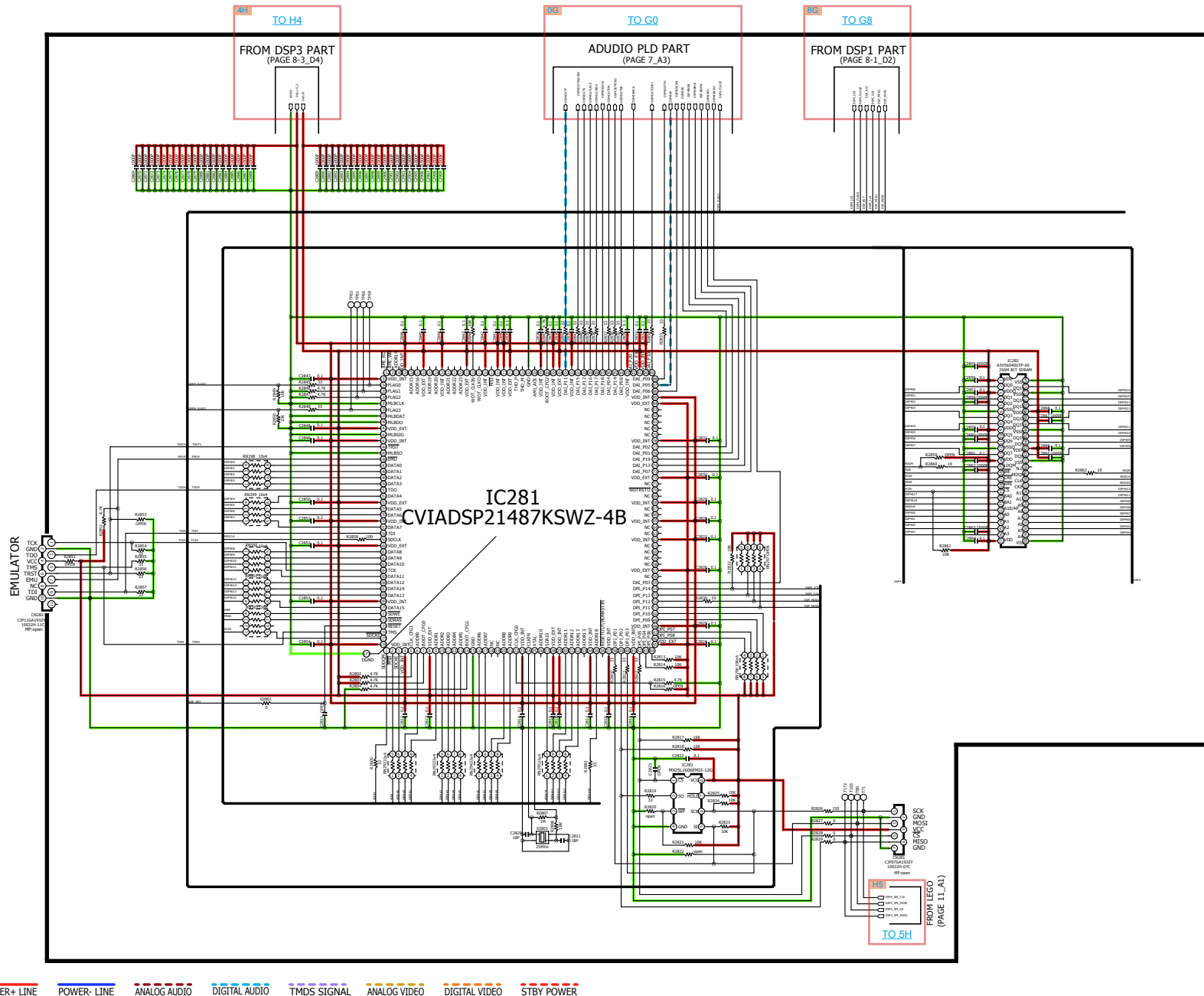


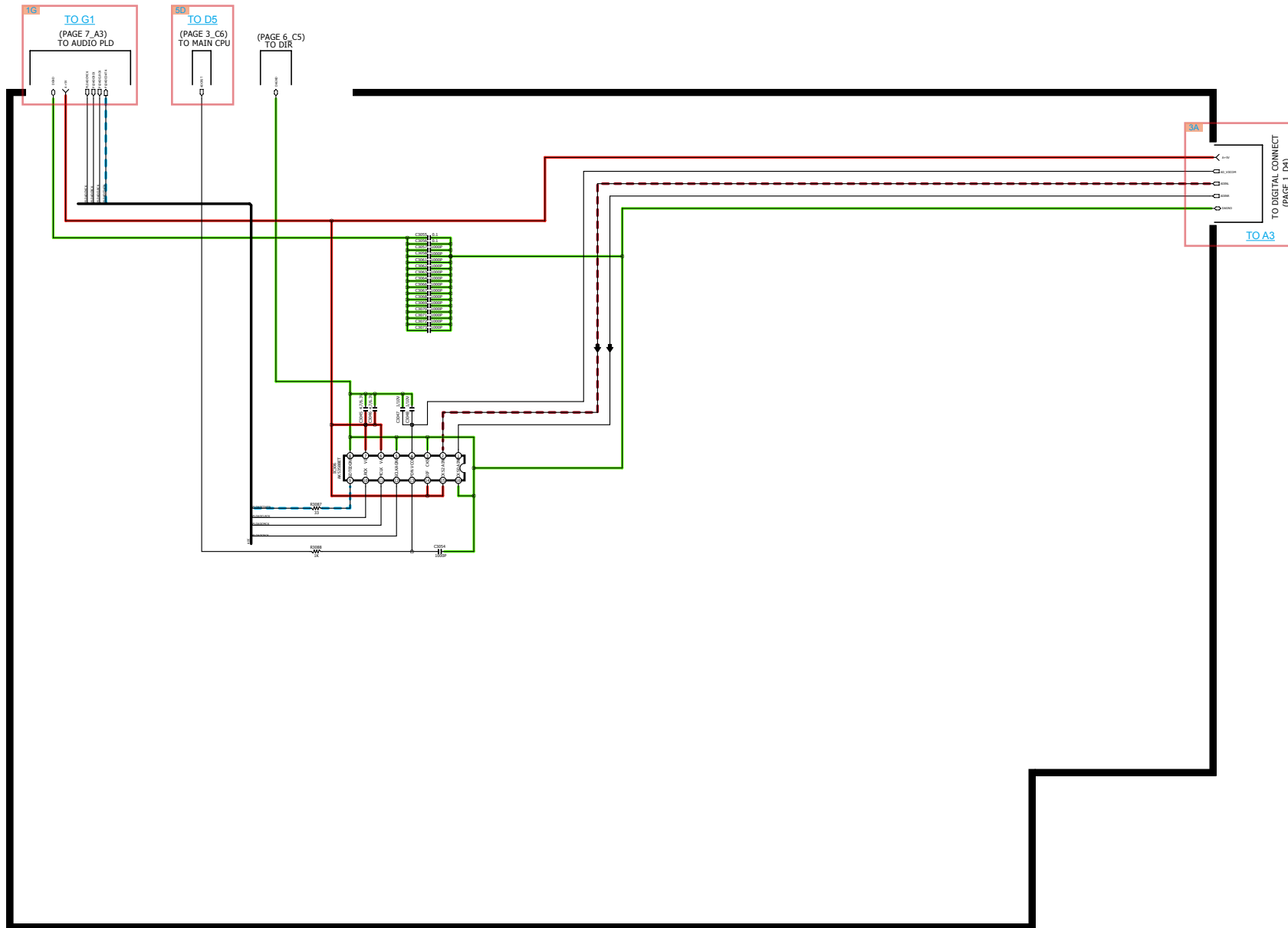






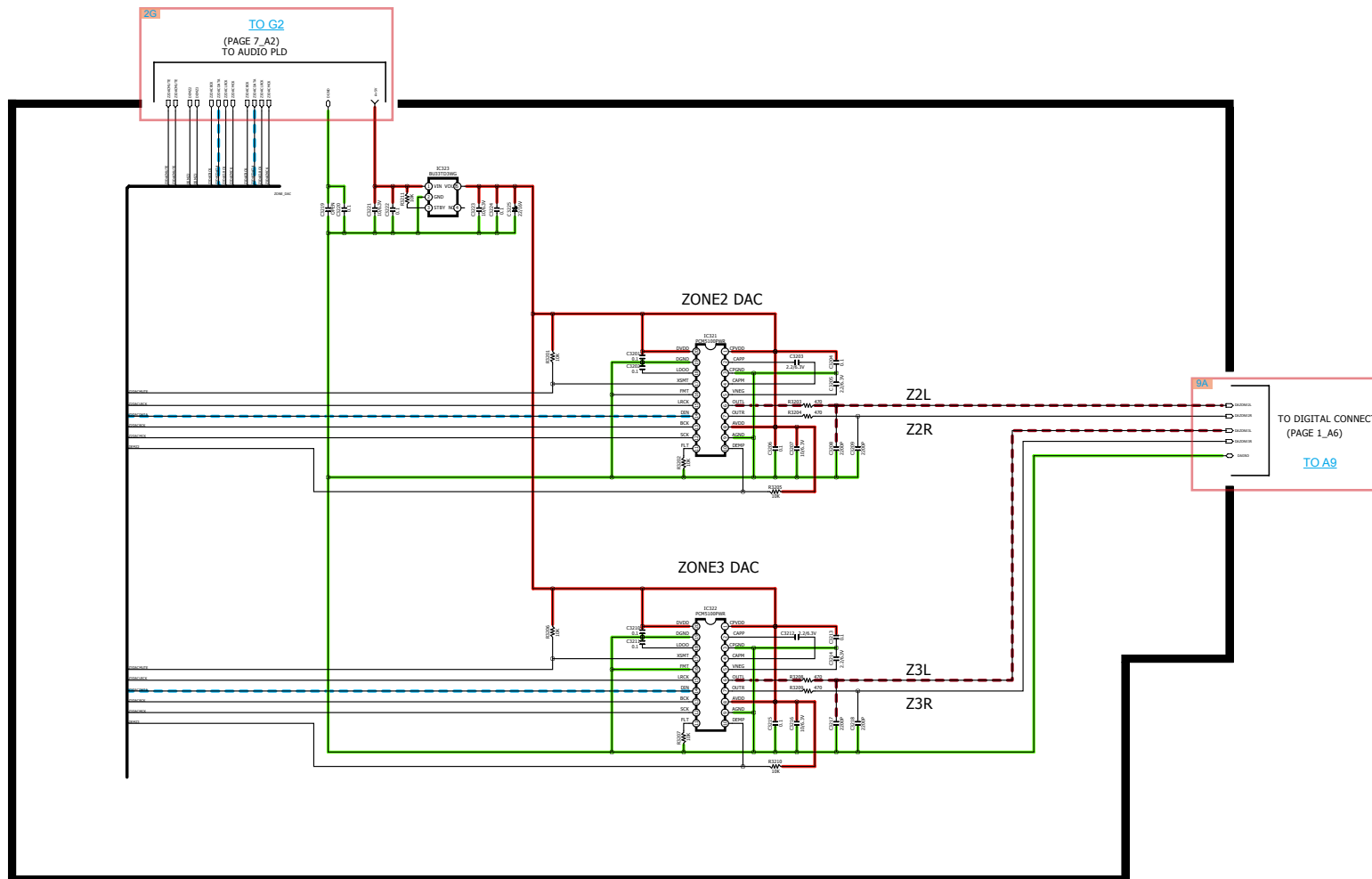




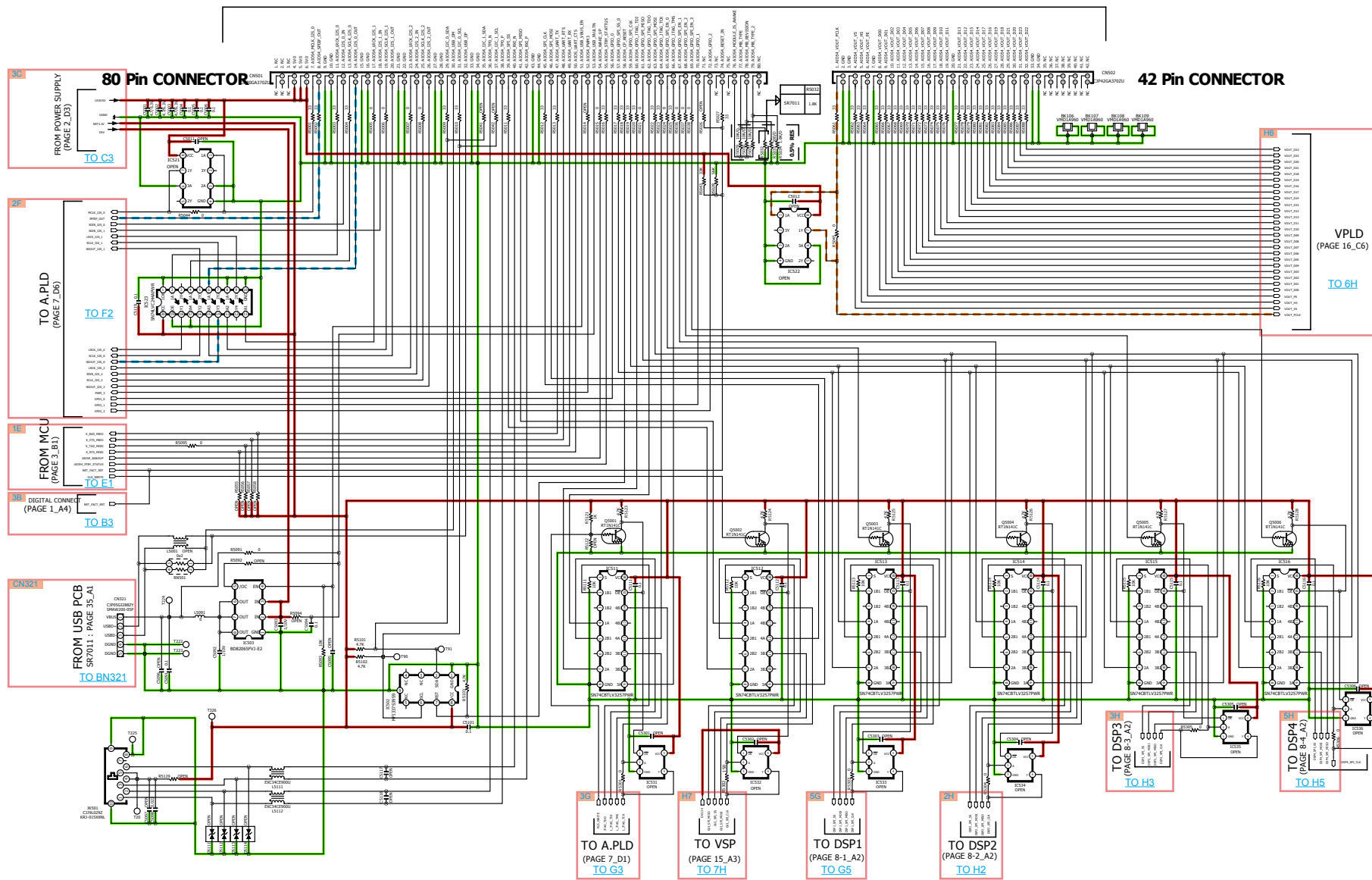


GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL ANALOG VIDEO DIGITAL VIDEO STBY POWER



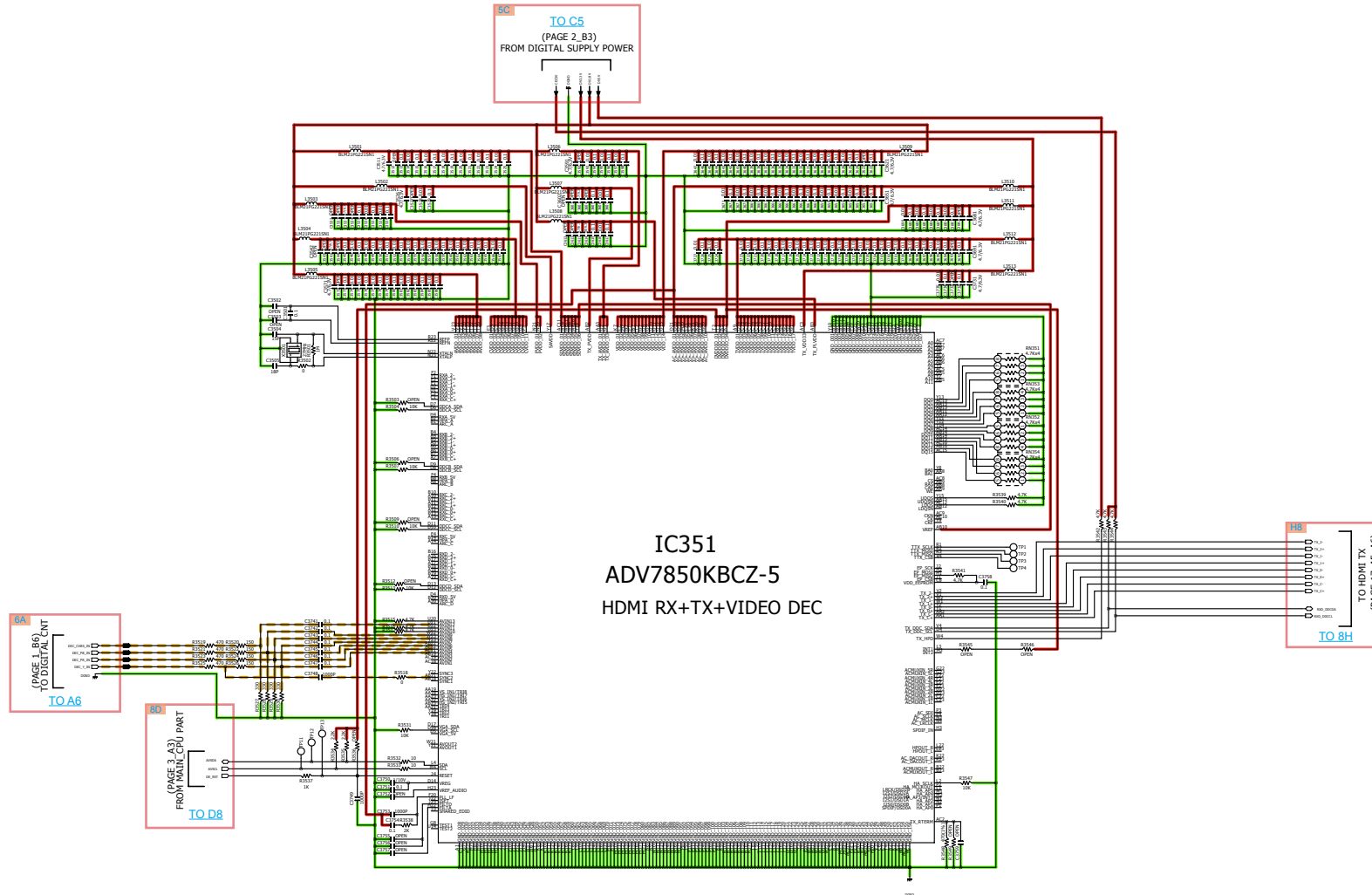


FROM LEGO MODULE

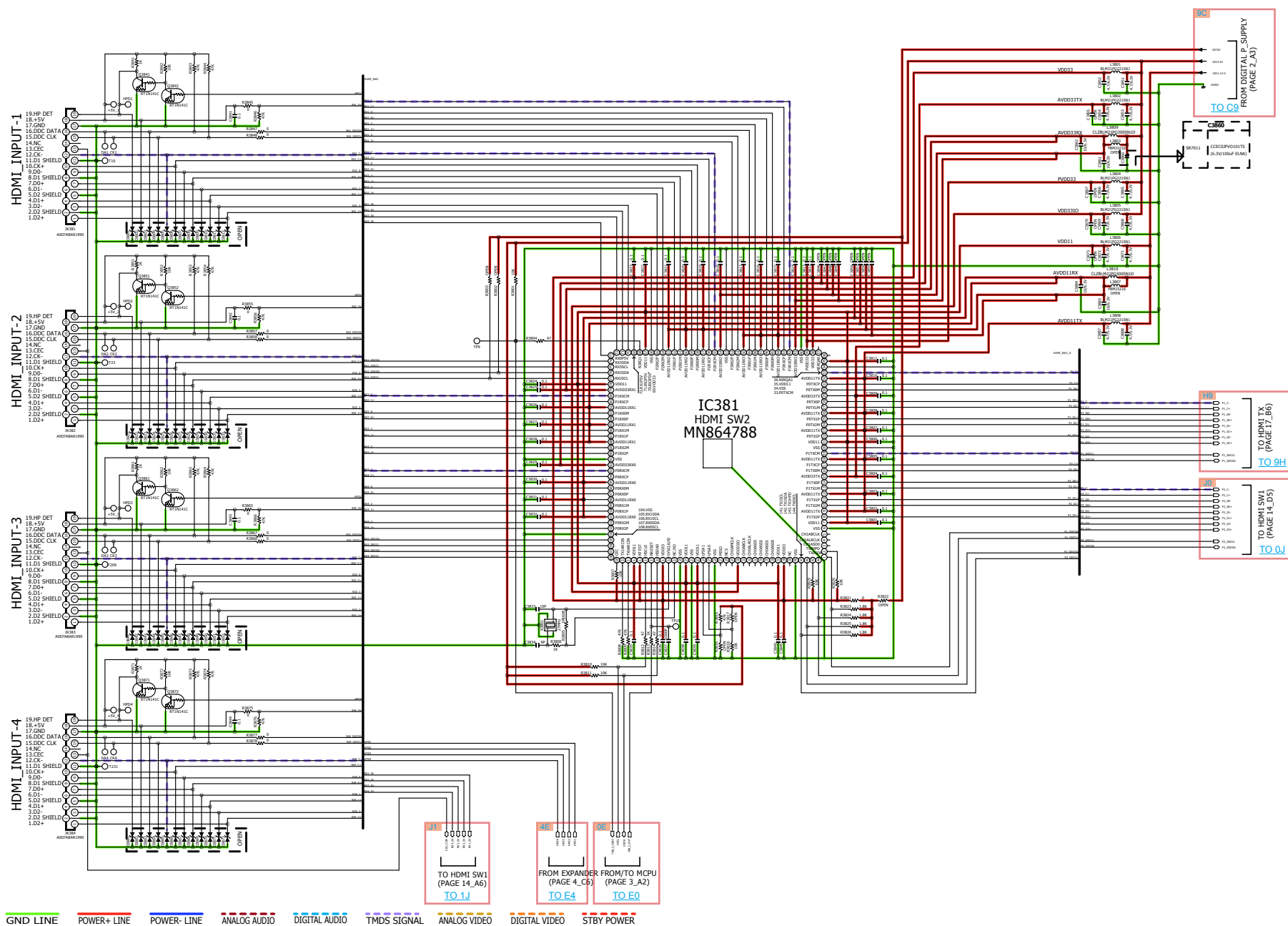


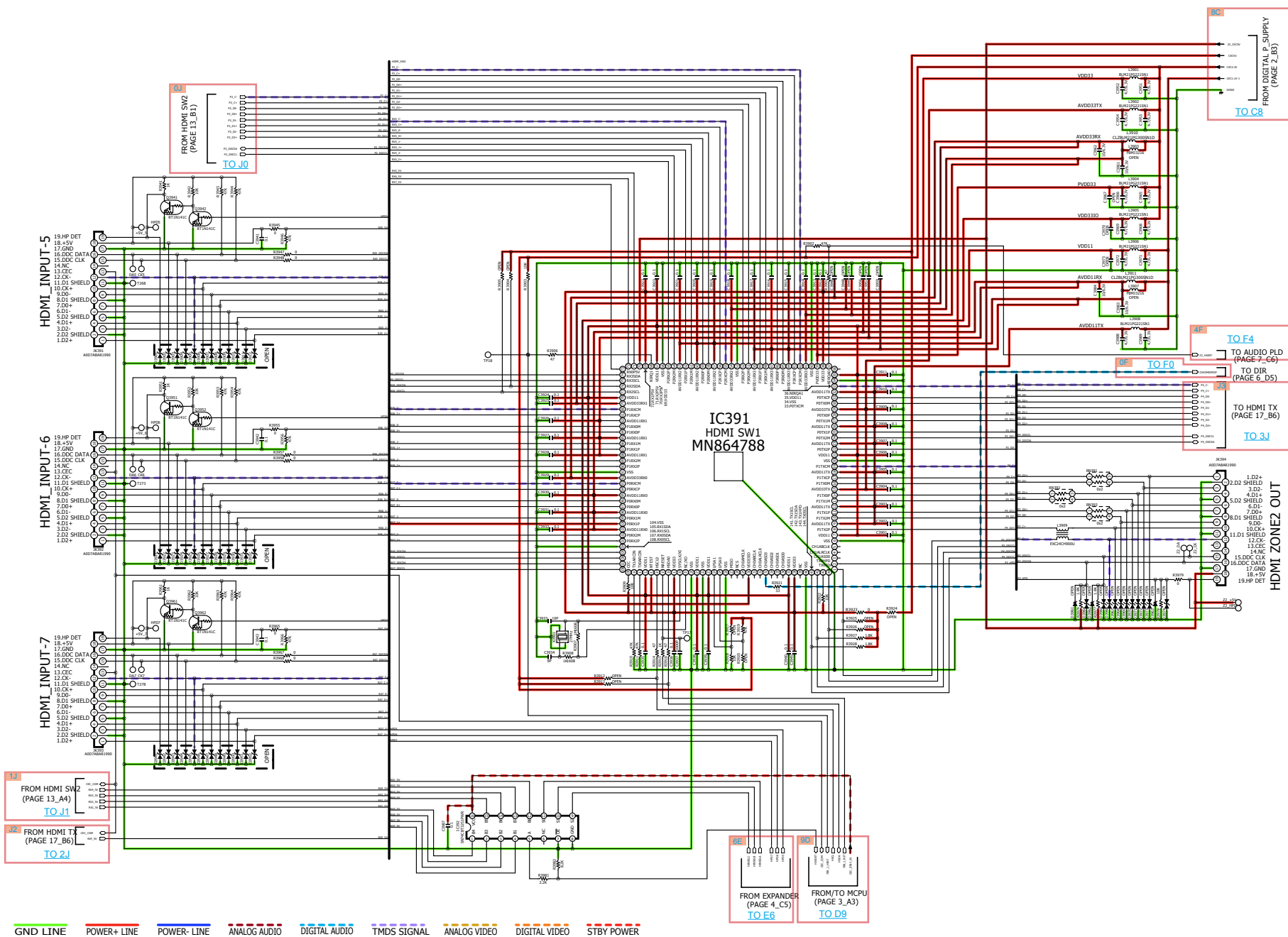
GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL ANALOG VIDEO DIGITAL VIDEO STBY POWER

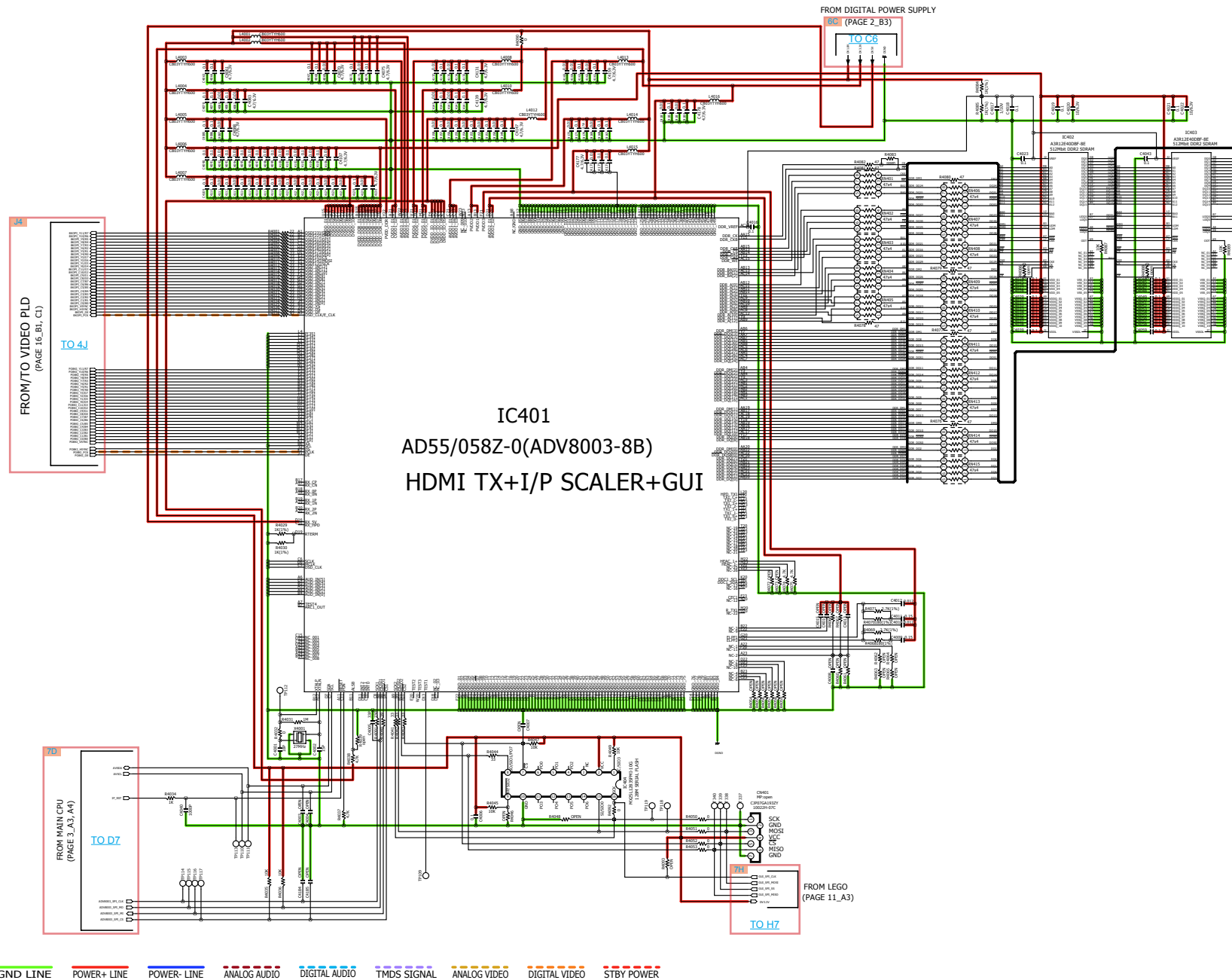


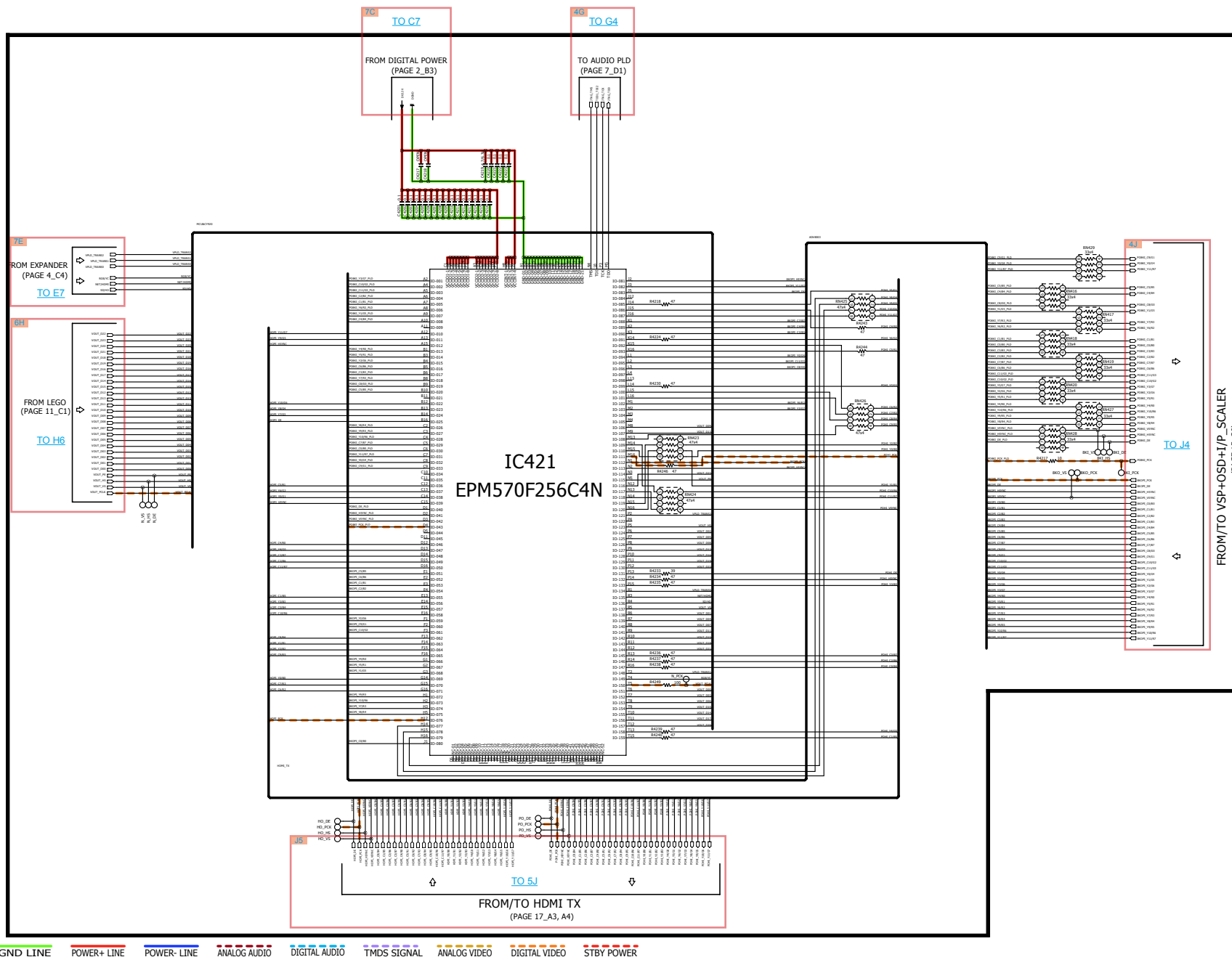


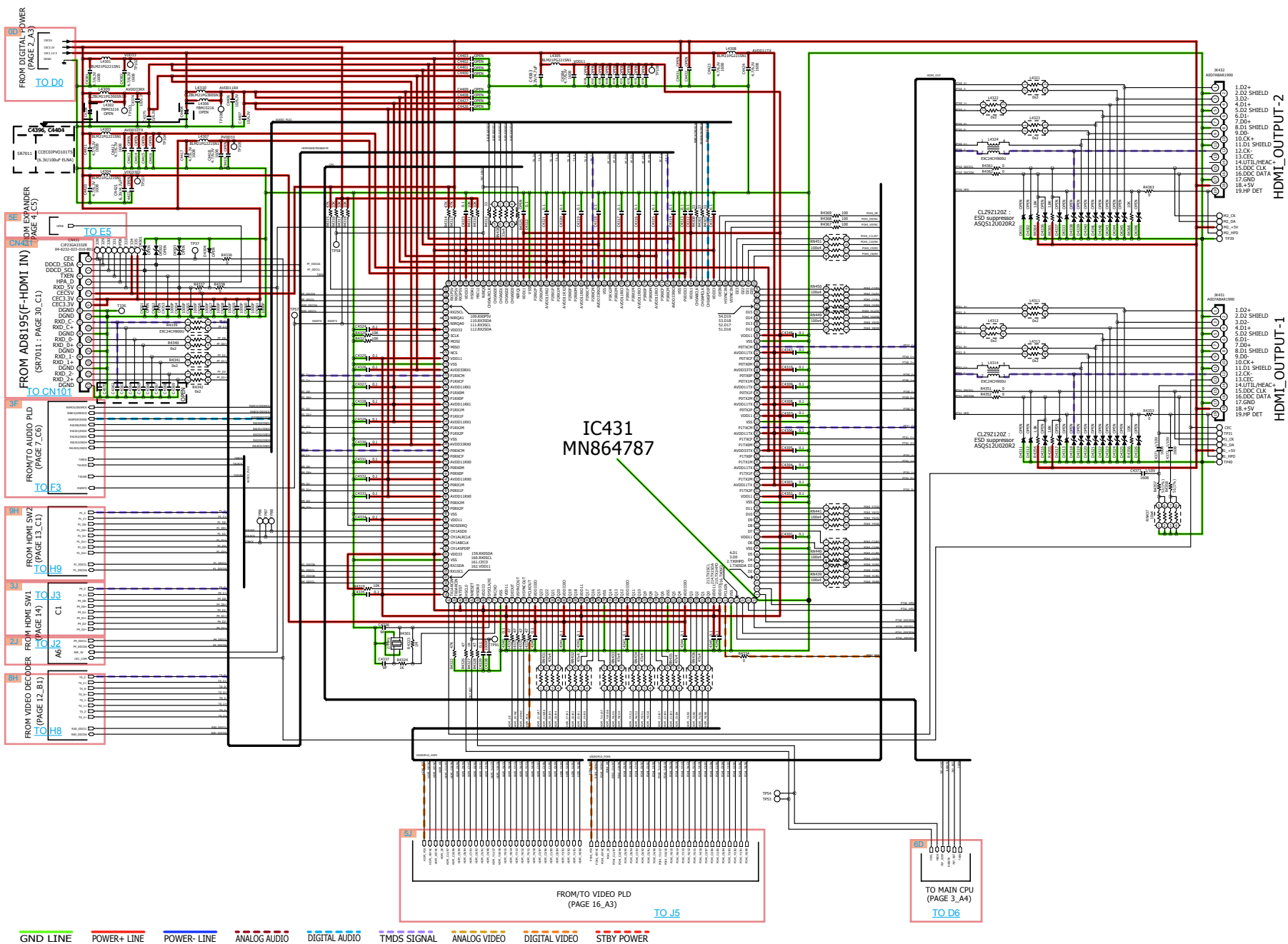
GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL ANALOG VIDEO DIGITAL VIDEO STBY POWER

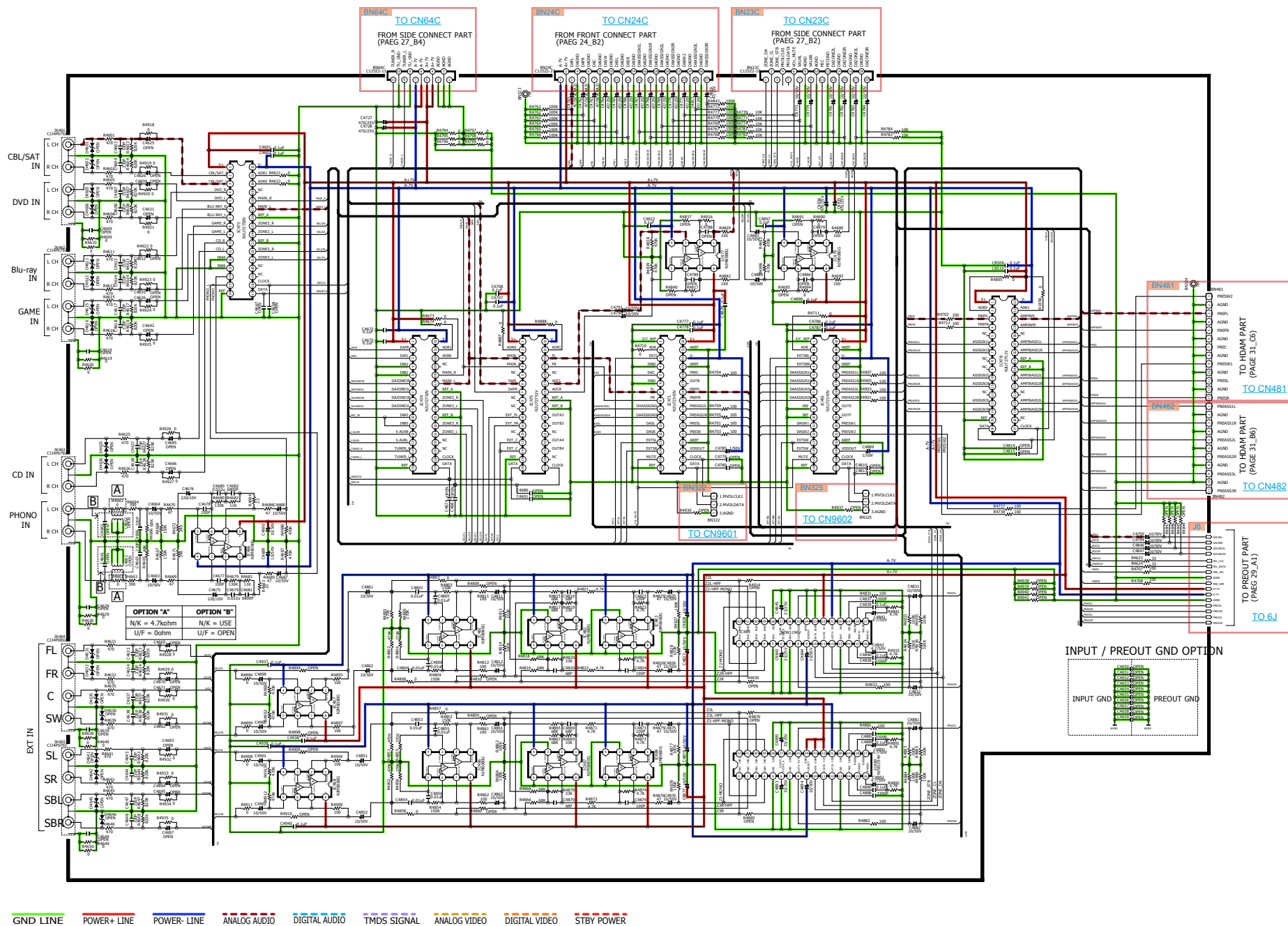


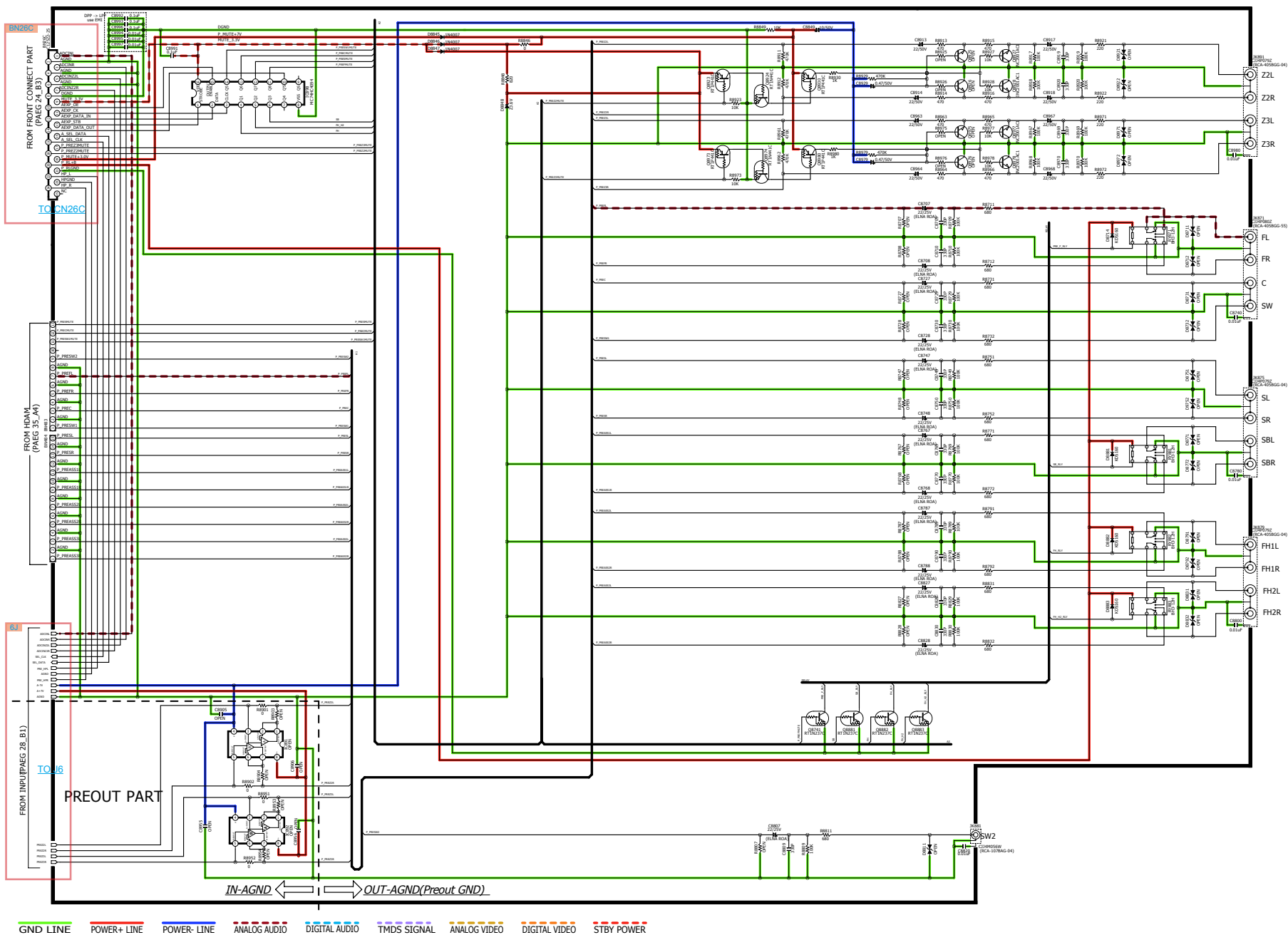


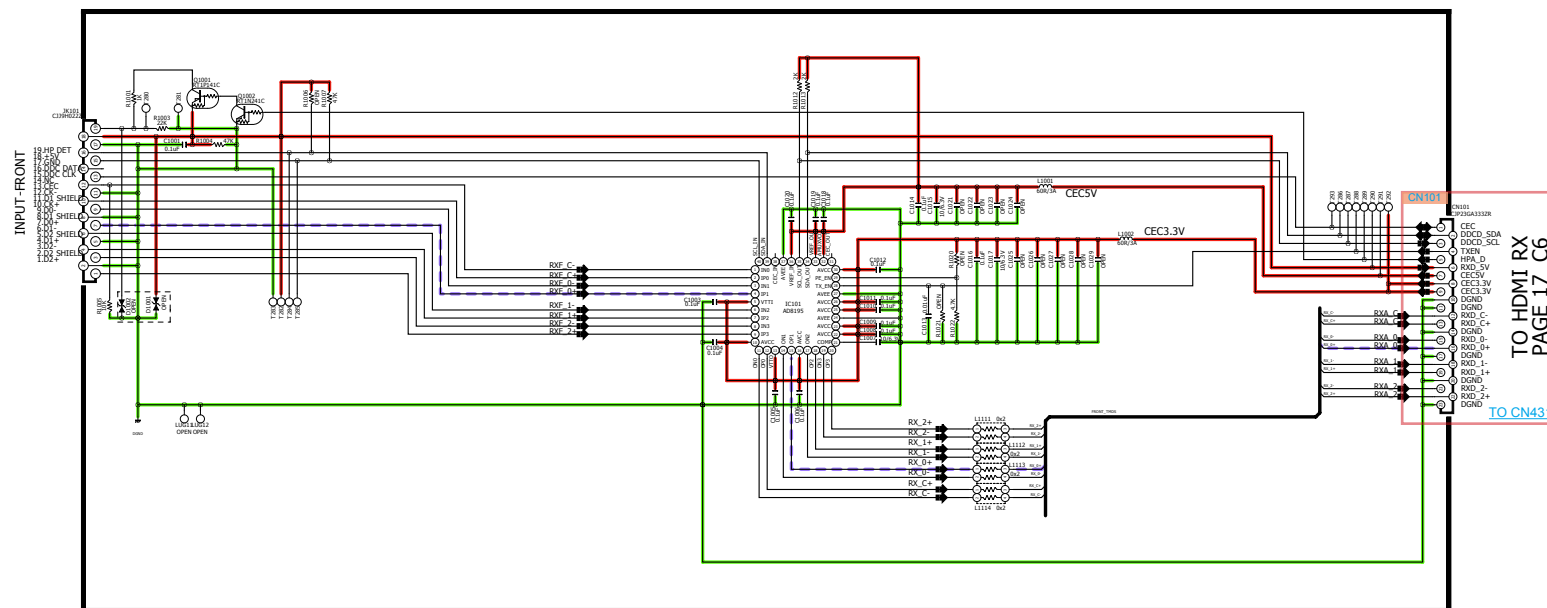








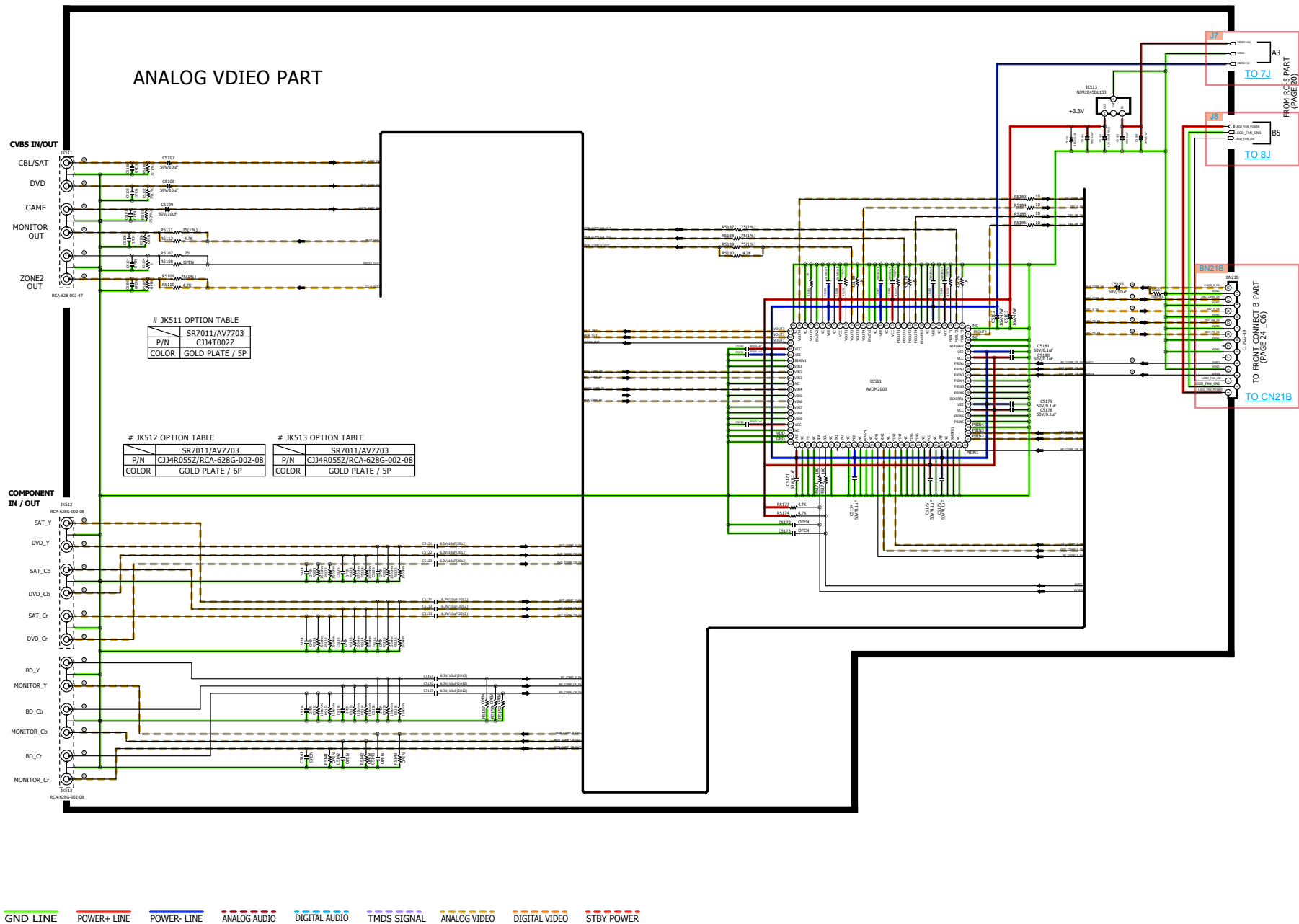


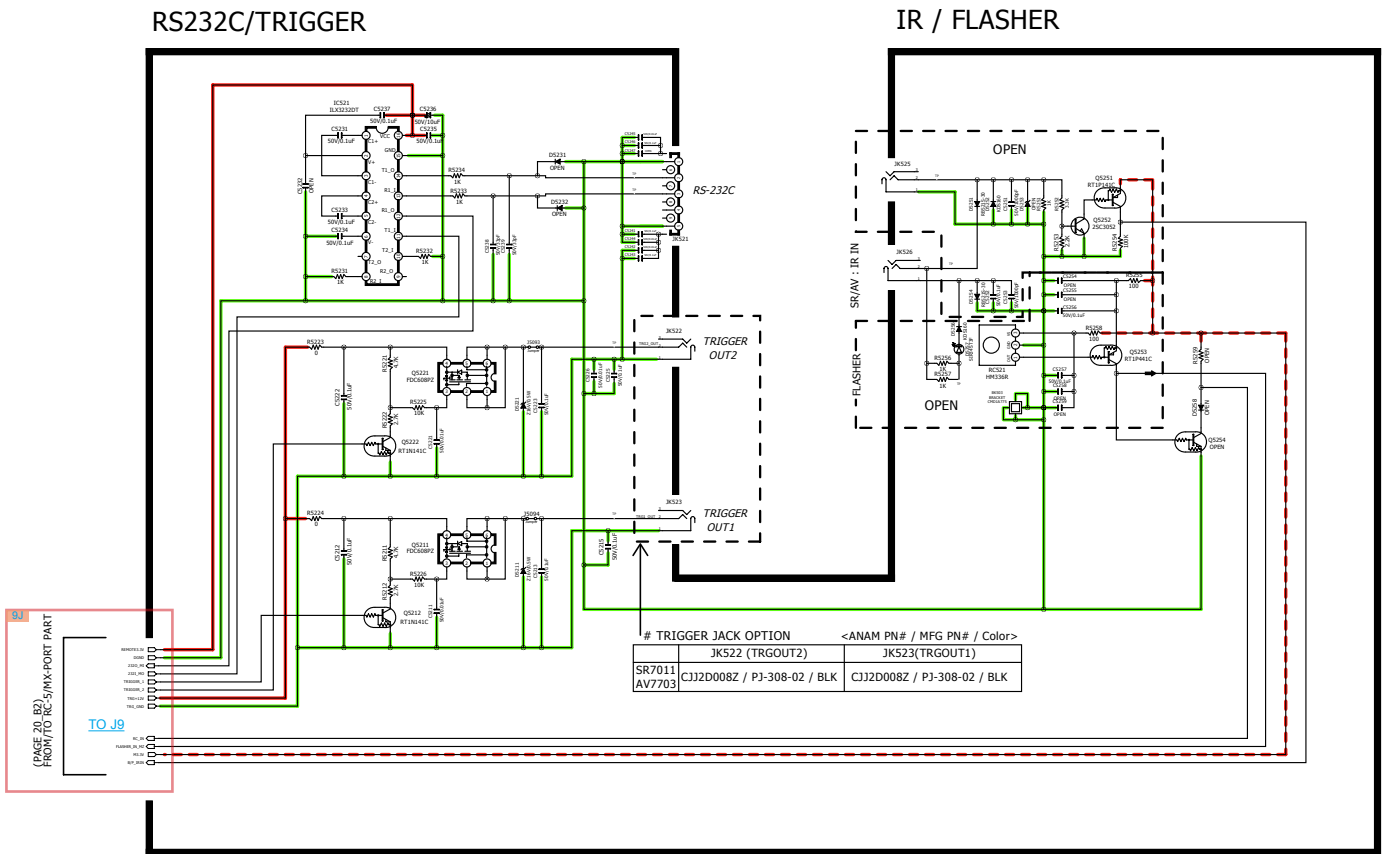
TO HDMI RX
PAGE 17_C6

TO CN431

GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMD5 SIGNAL ANALOG VIDEO DIGITAL VIDEO STBY POWER

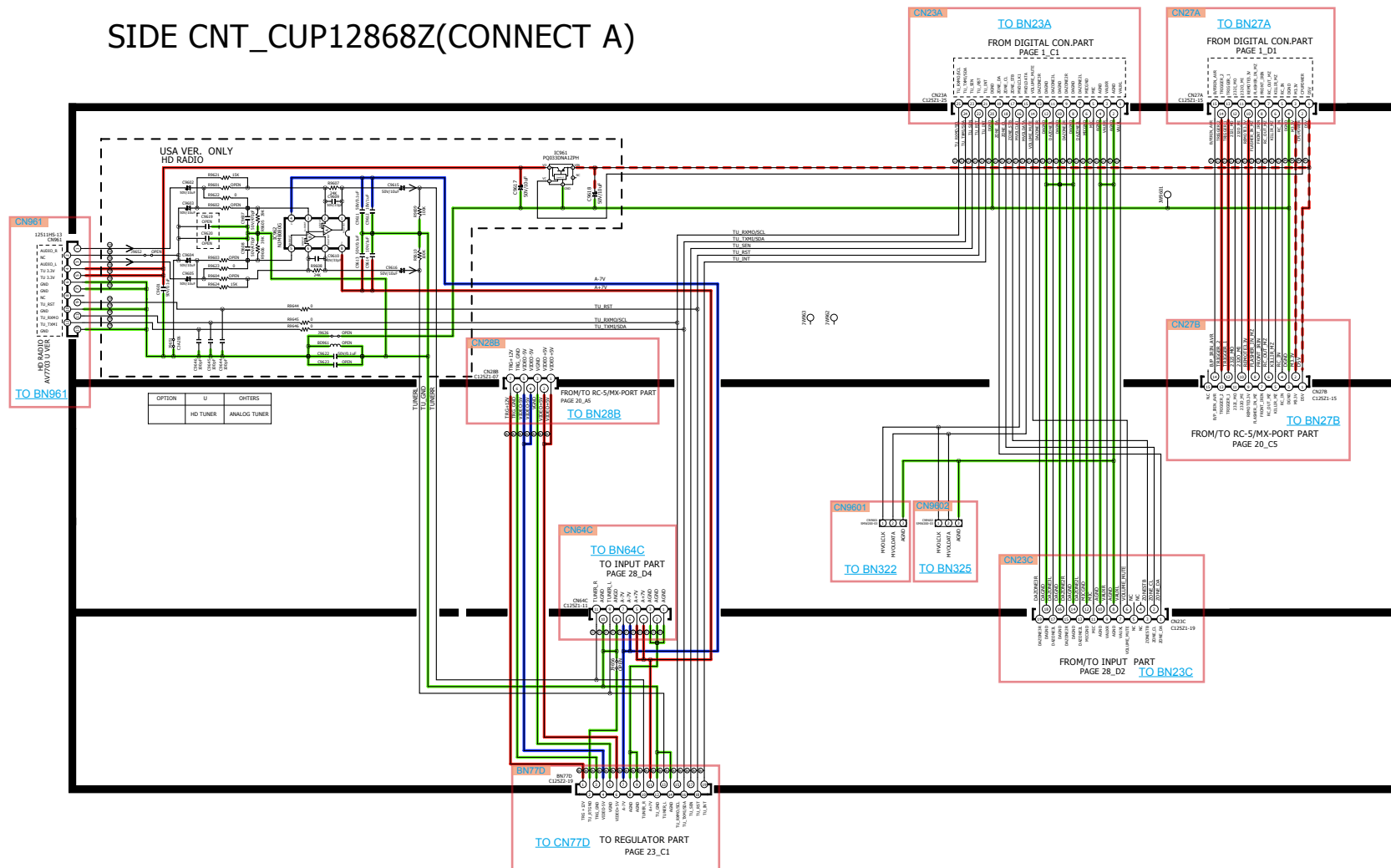




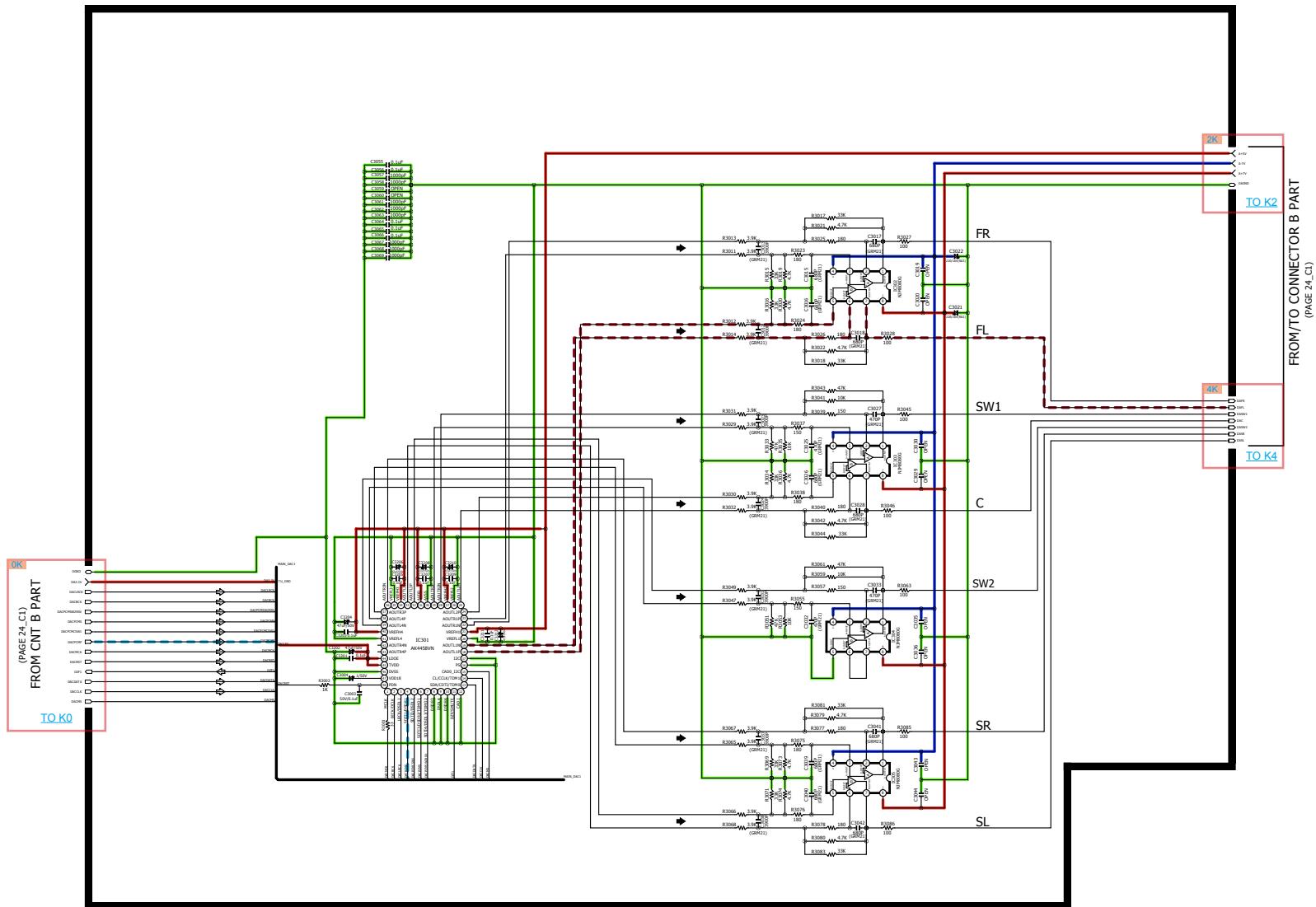


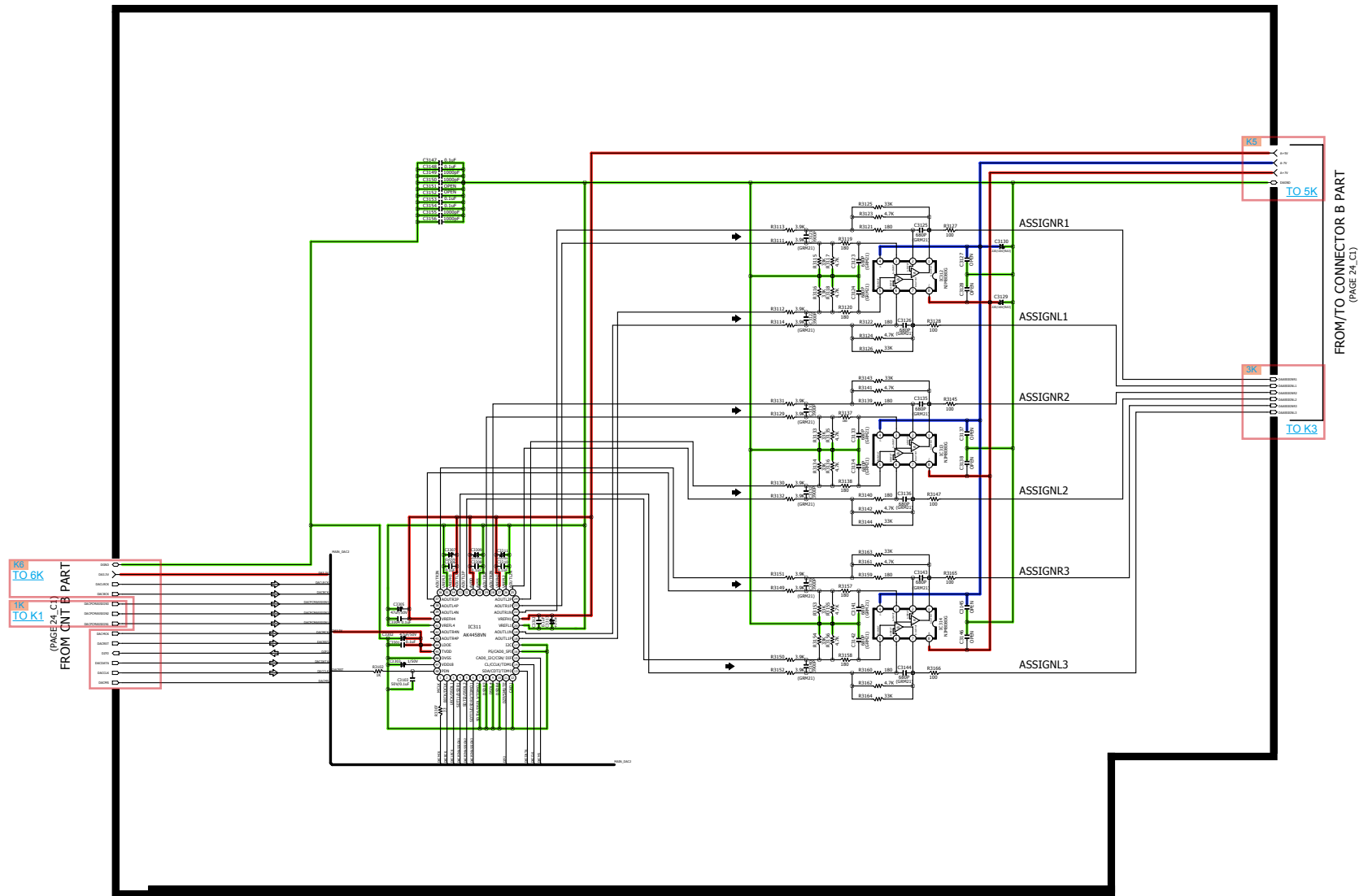
GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL ANALOG VIDEO DIGITAL VIDEO STBY POWER

SIDE CNT_CUP12868Z(CONNECT A)



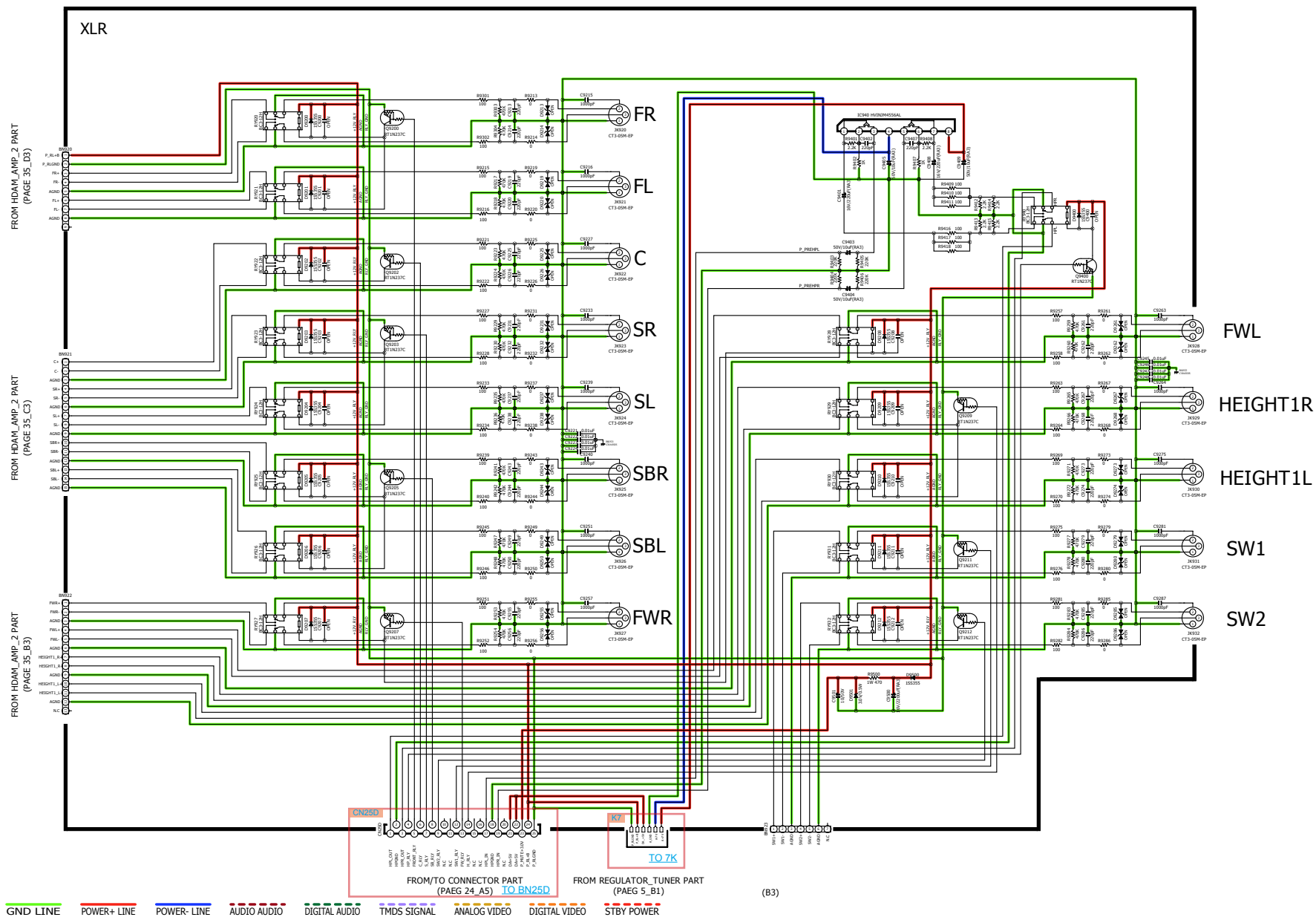


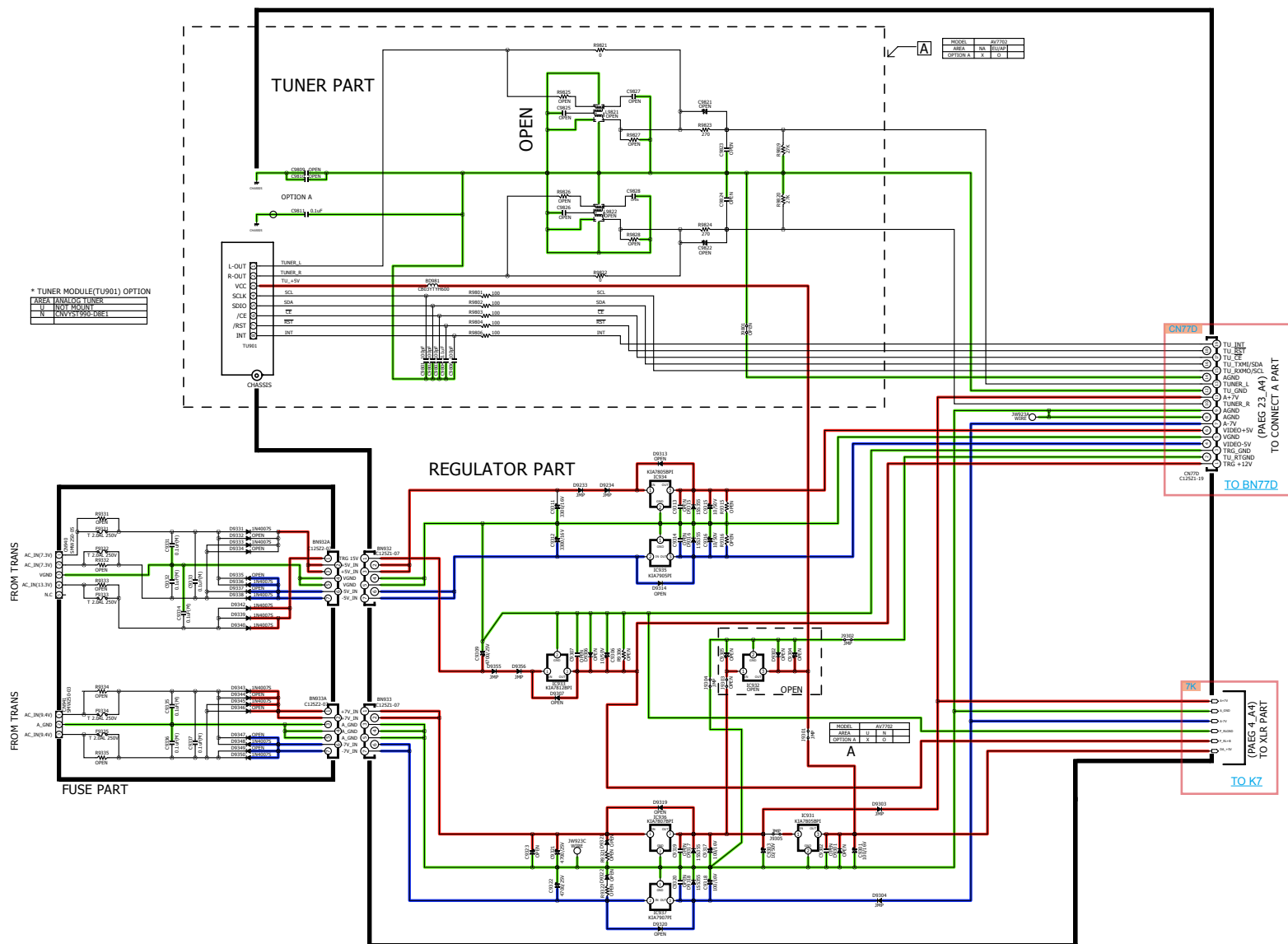




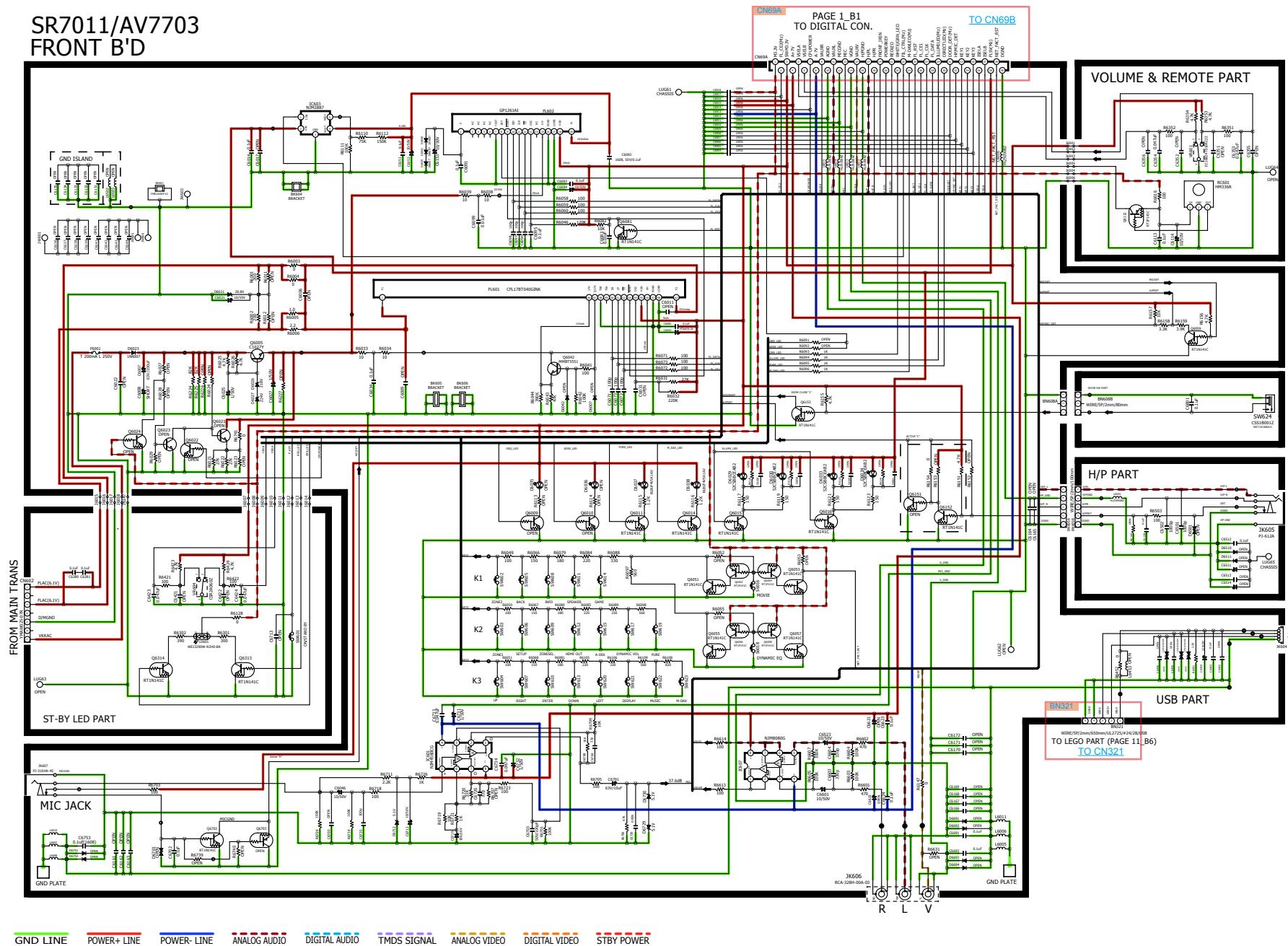
GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL ANALOG VIDEO DIGITAL VIDEO STBY POWER

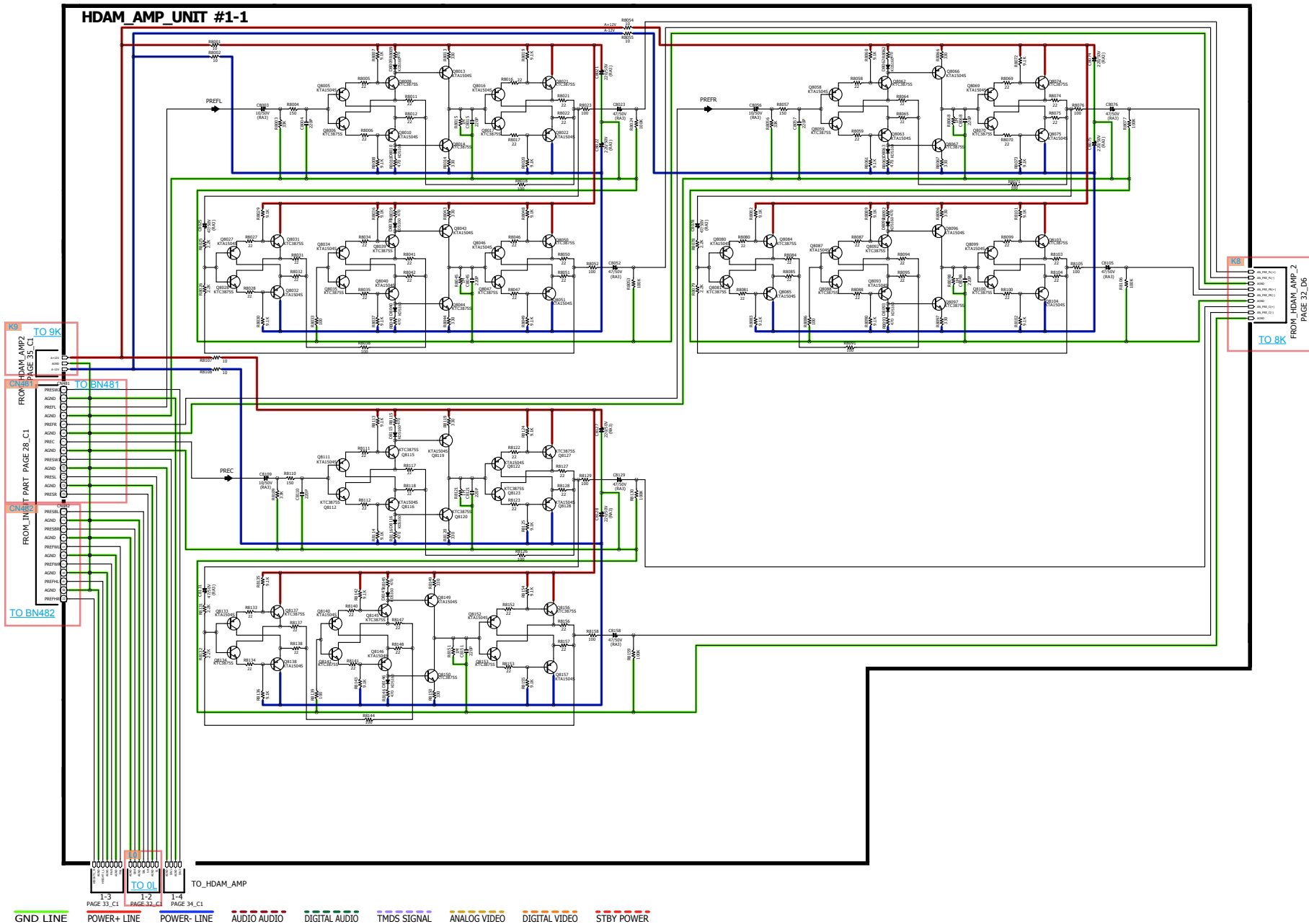


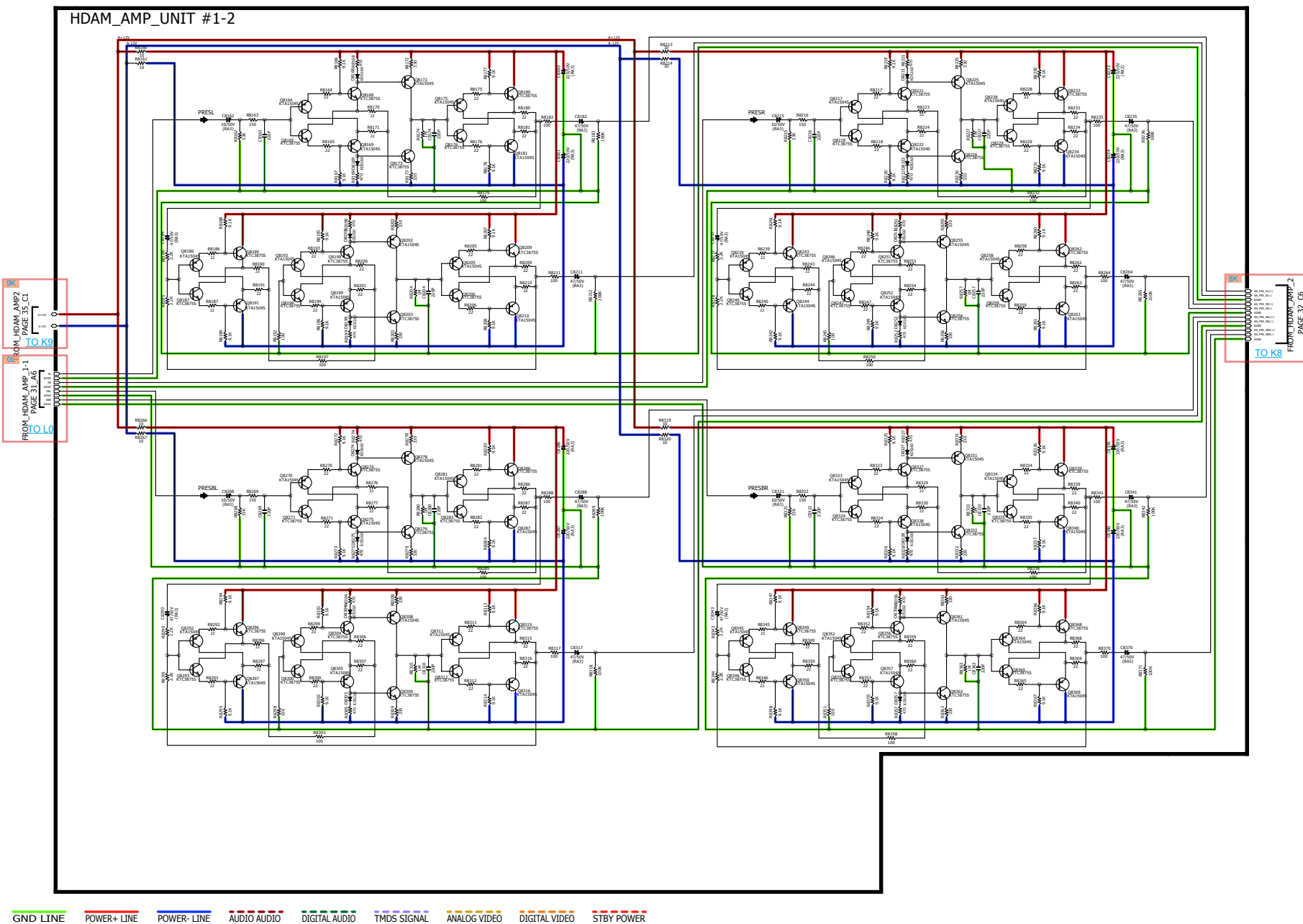


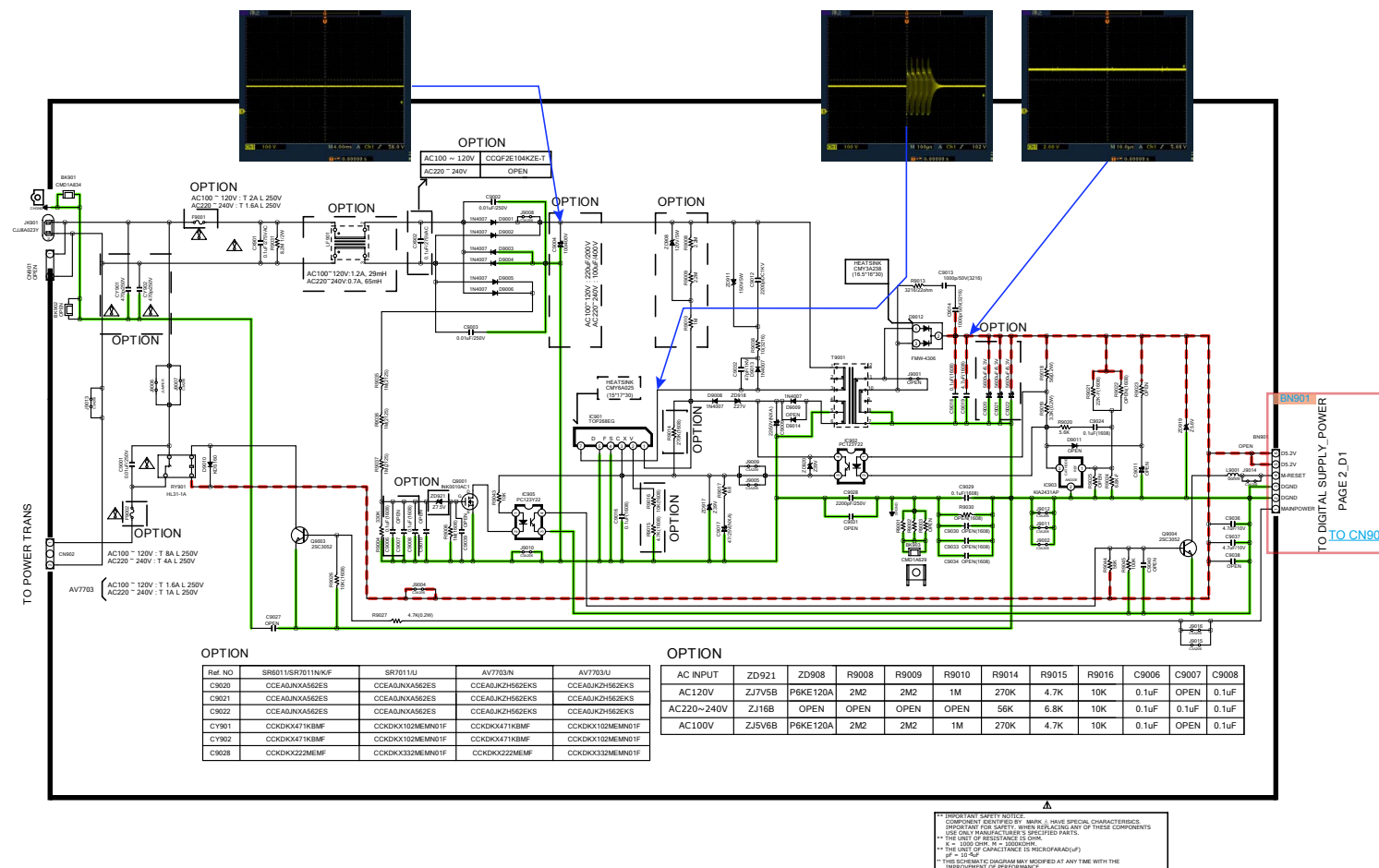


SR7011/AV7703
FRONT B'D

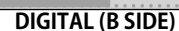
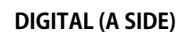




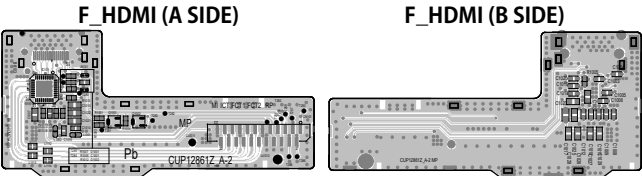
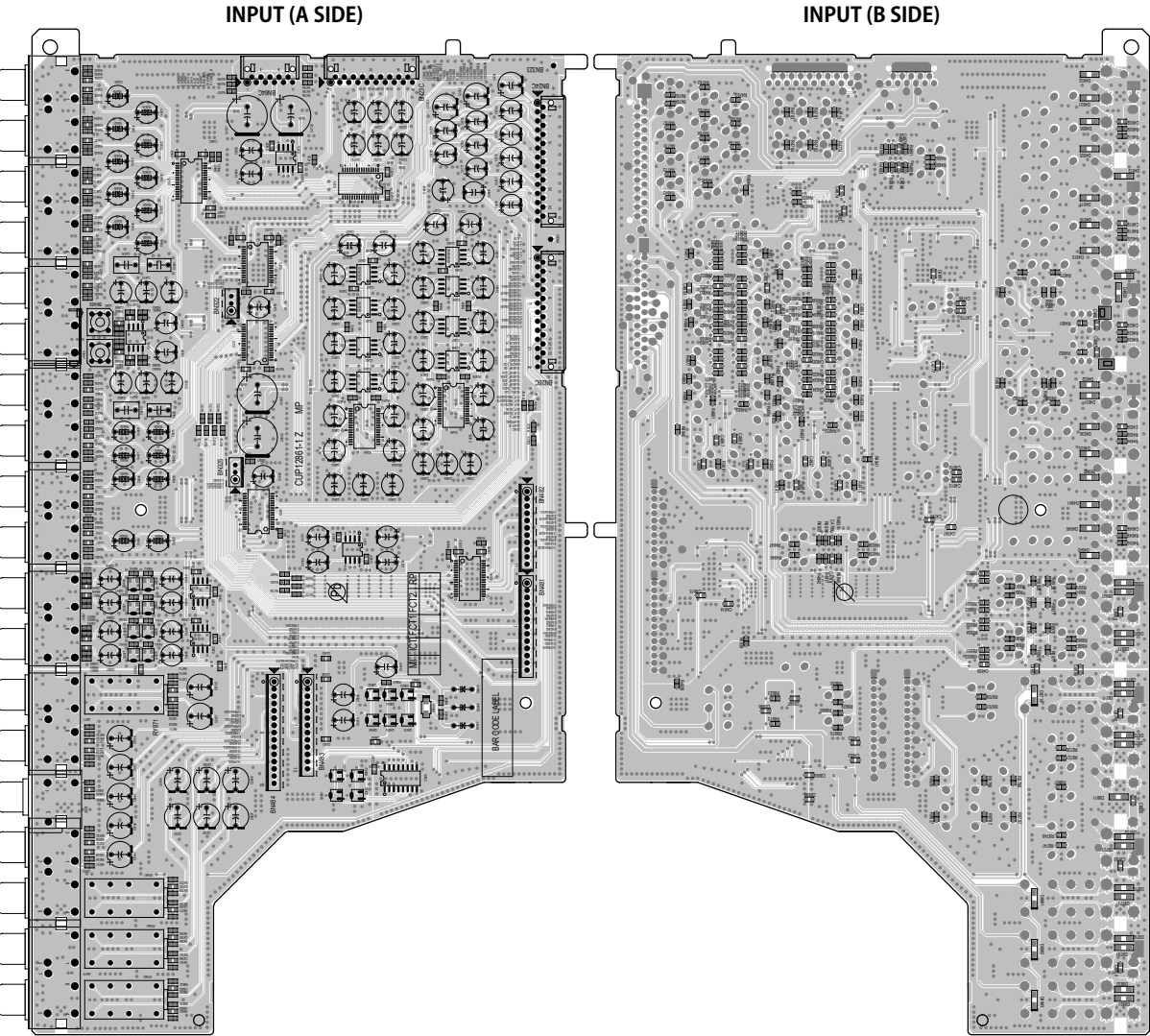




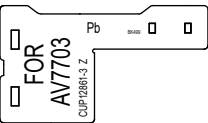
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

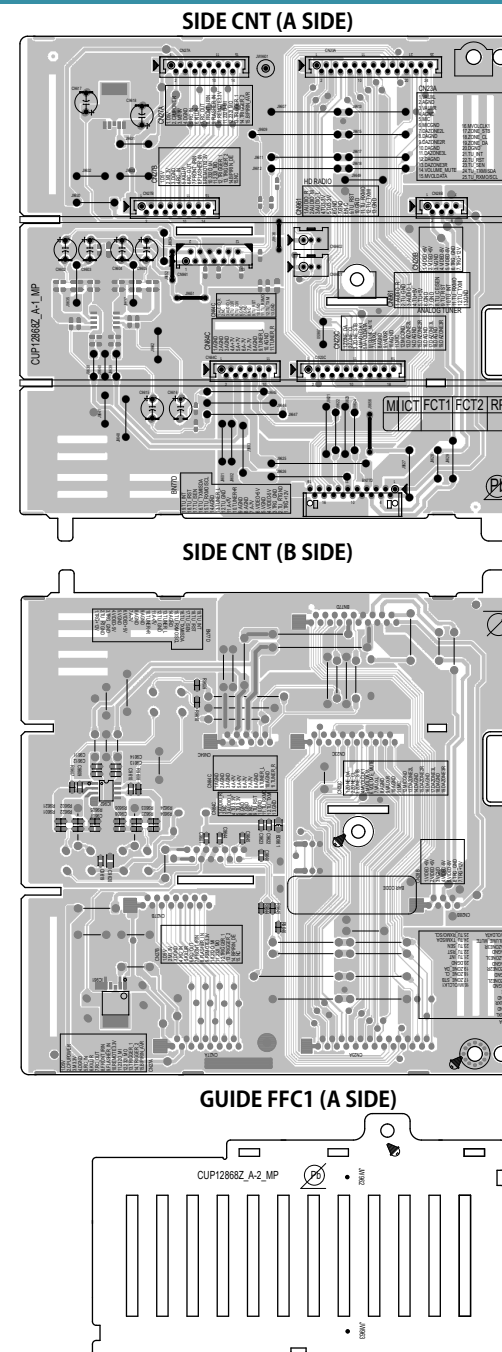
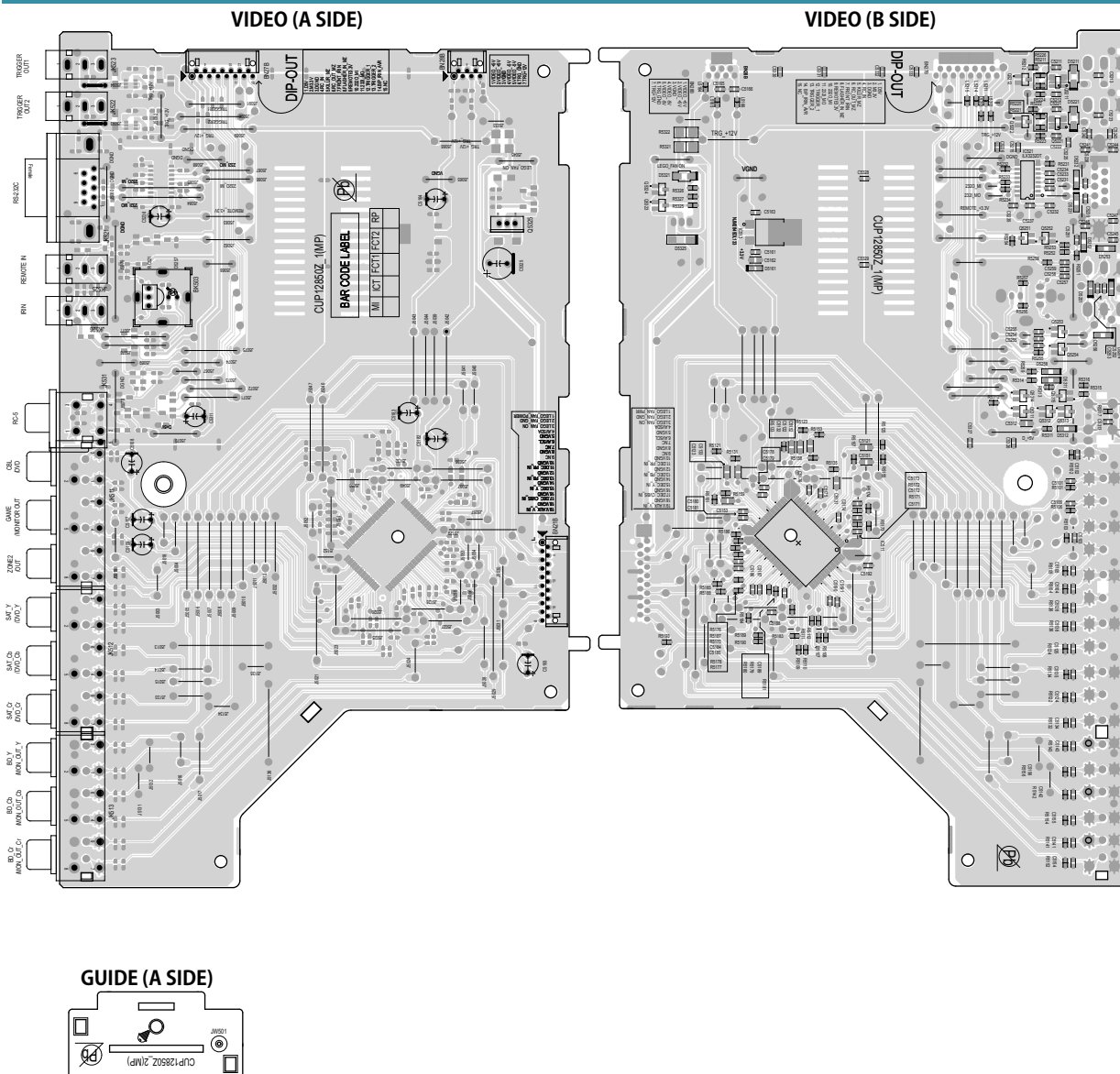


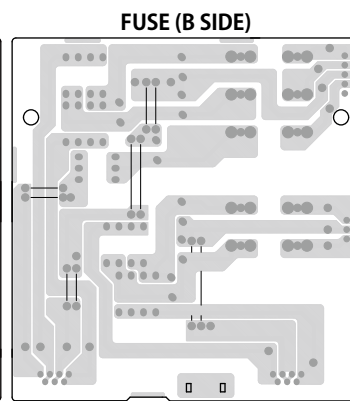
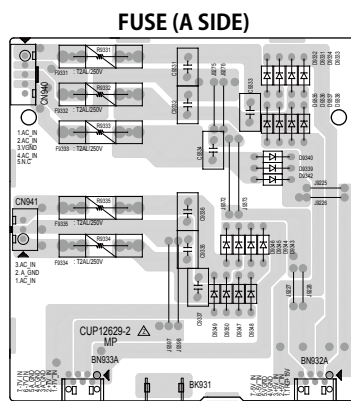
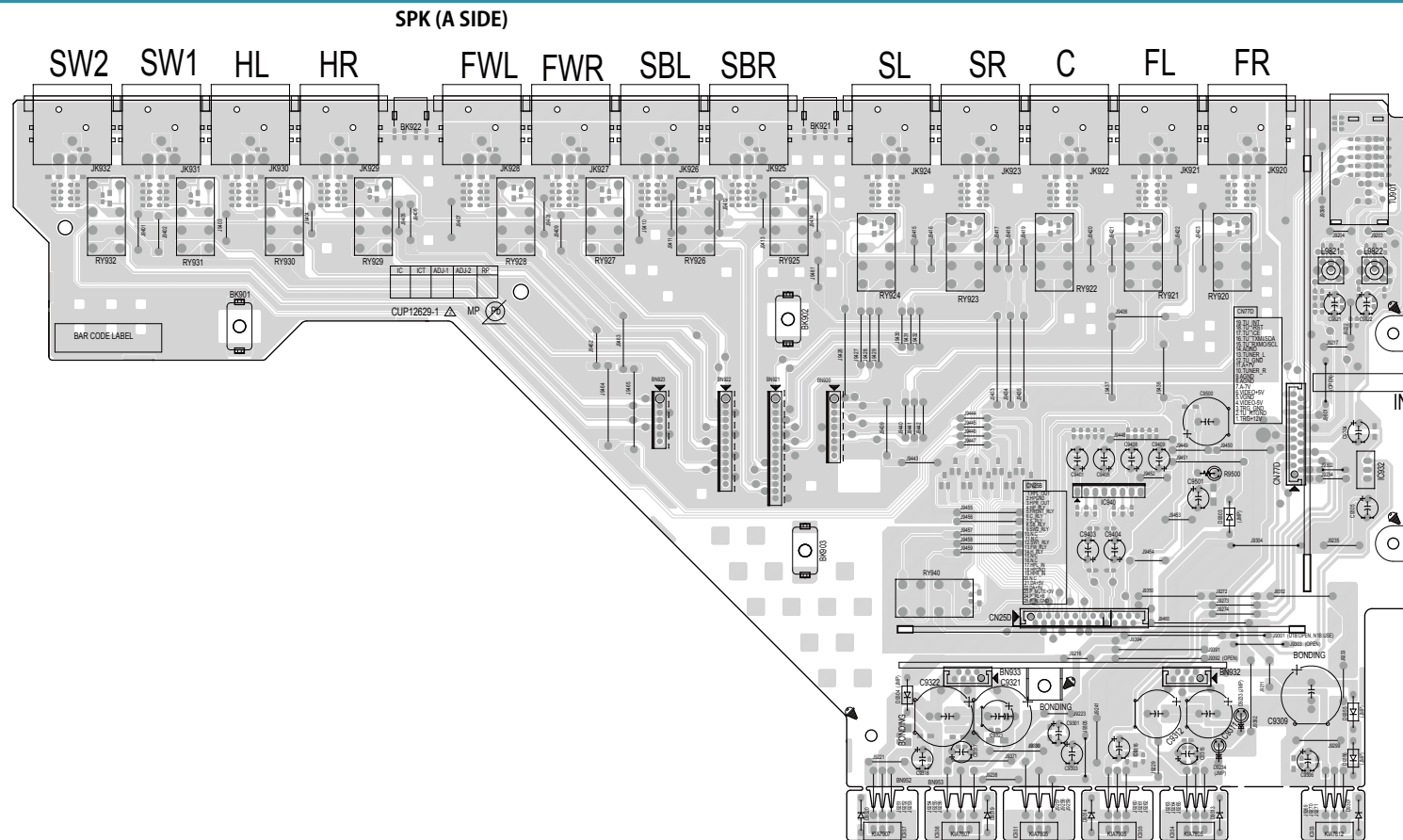
INPUT, F-HDMI, FRONT CABLE

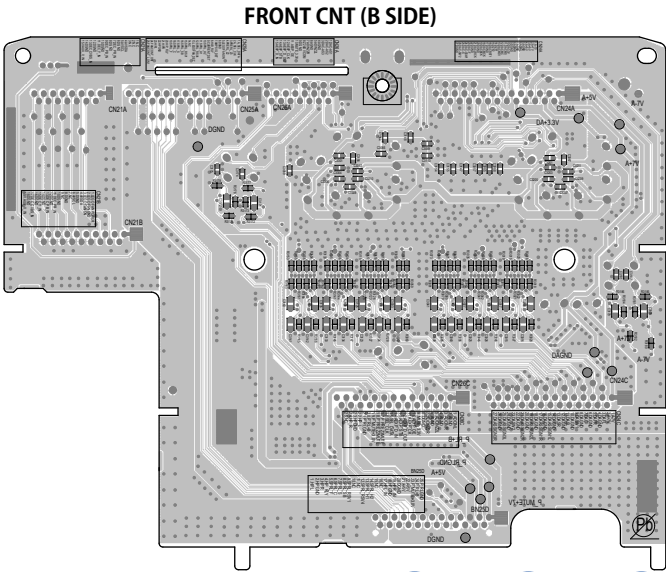
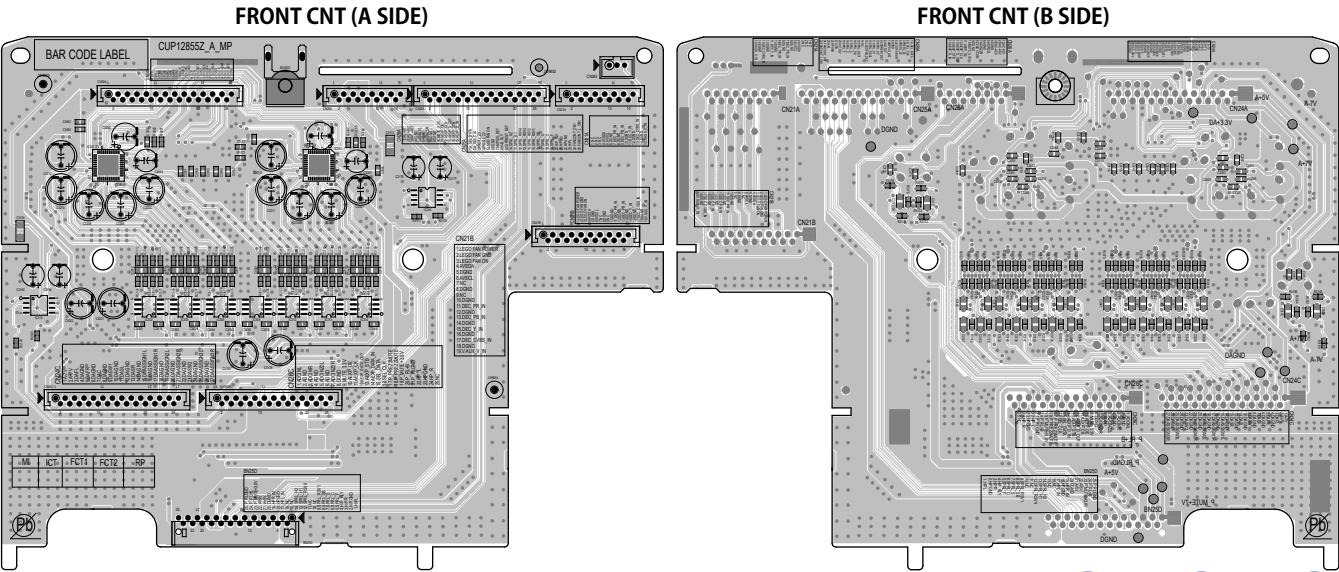
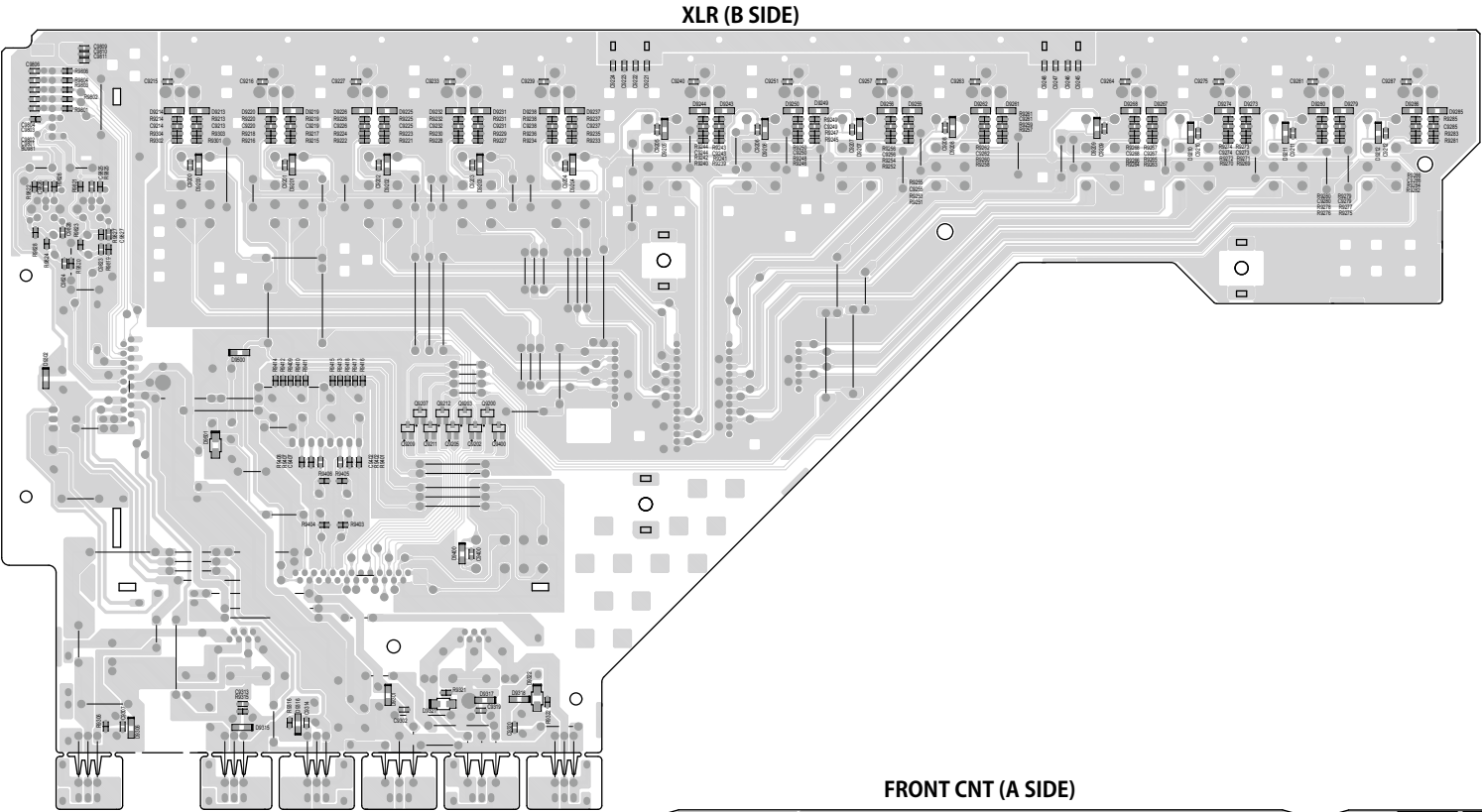


FRONT CABLE (A SIDE)



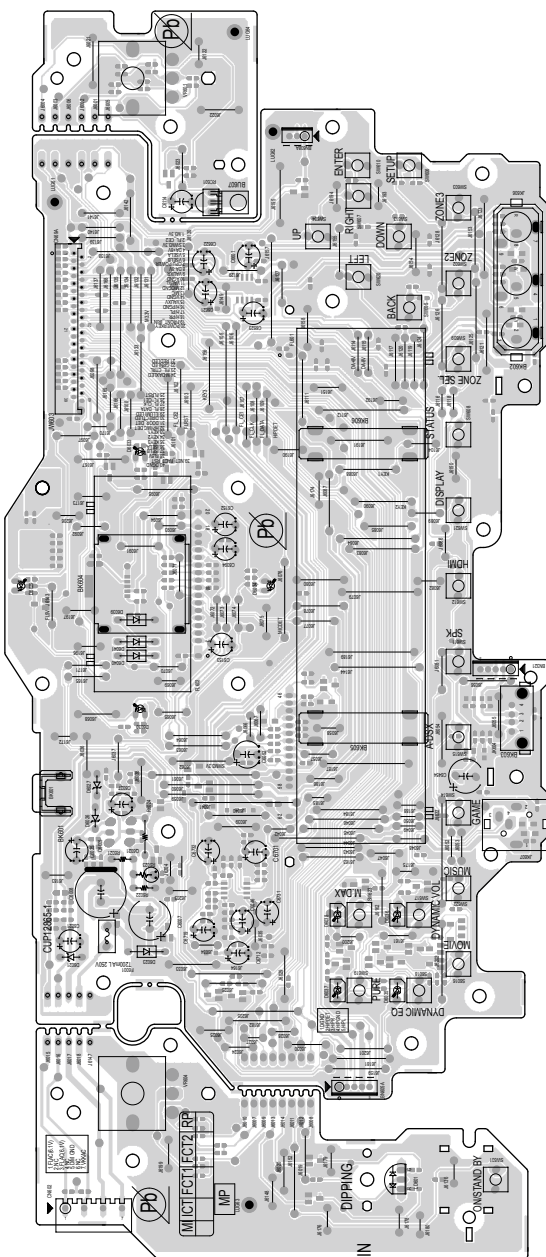




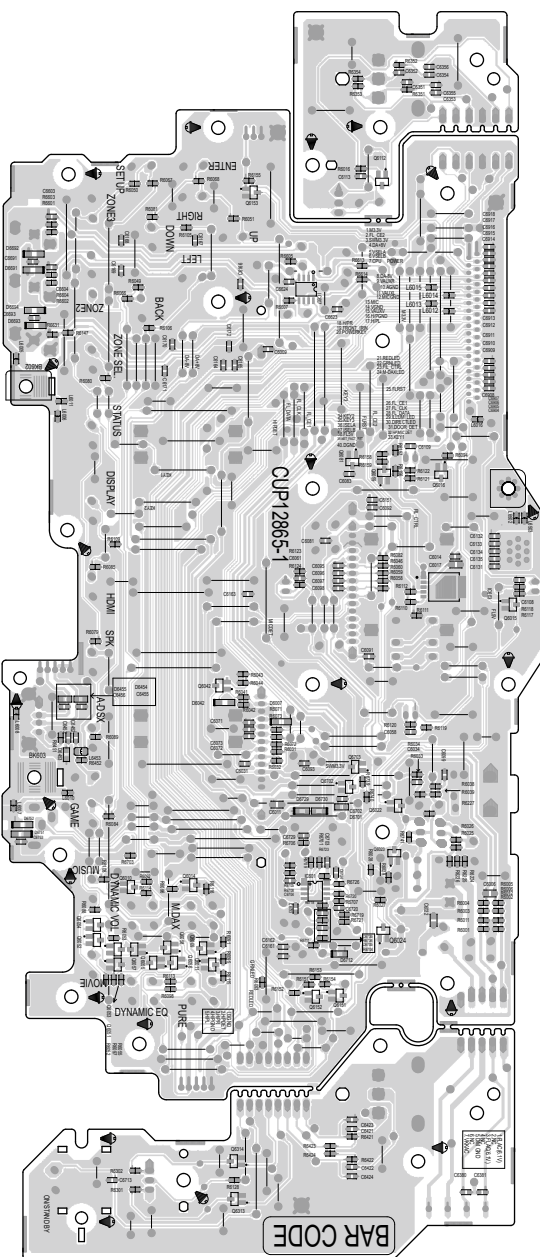


FRONT, FHDMI FFC TOP, FHDMI FFC TOP-B, FRONT SW, HDMI FFC TOP, HP

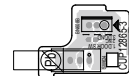
FRONT (A SIDE)



FRONT (B SIDE)



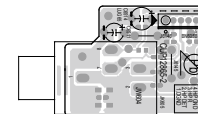
FRONT SW (A SIDE)



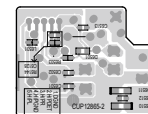
FRONT SW (B SIDE)



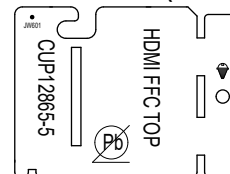
HP (A SIDE)



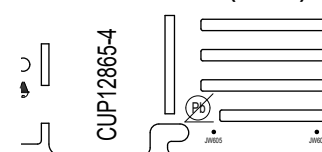
HP (B SIDE)



FHDMI FFC TOP (A SIDE)



FHDMI FFC TOP-B (A SIDE)



Caution in servicing

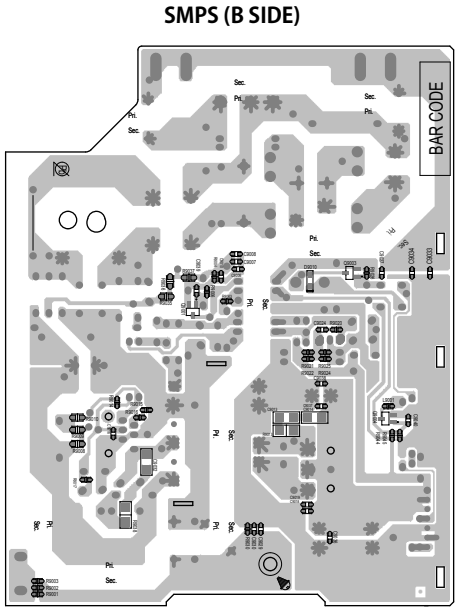
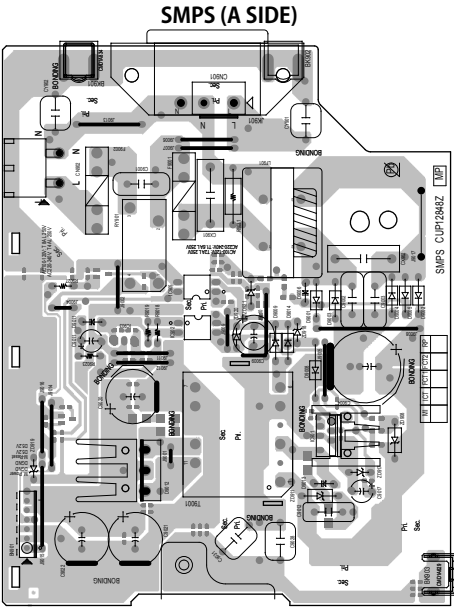
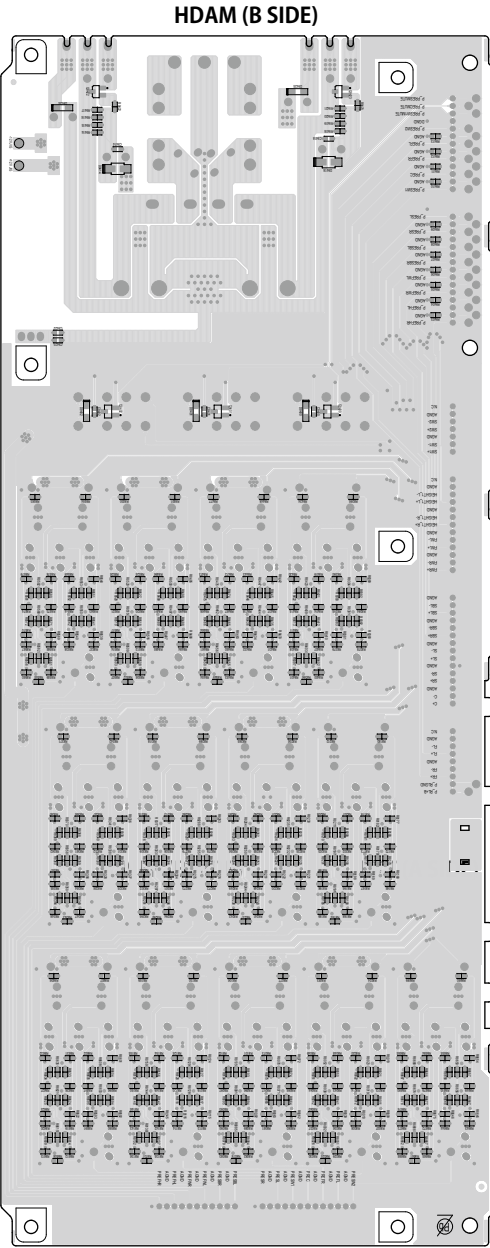
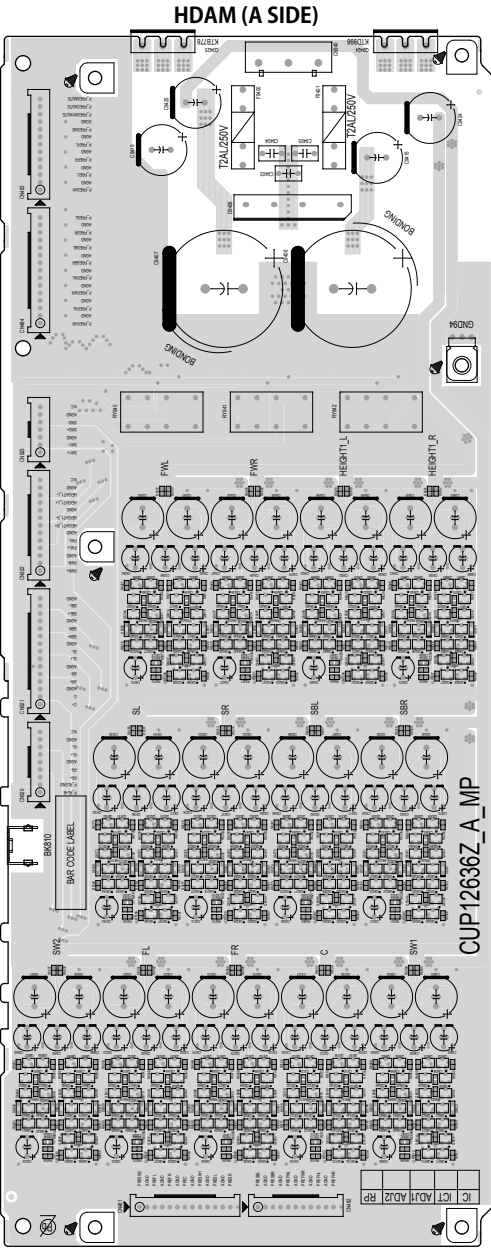
Electrical

Mechanical

Repair Information

Updating





Caution in
servicing

Electrical

Mechanical

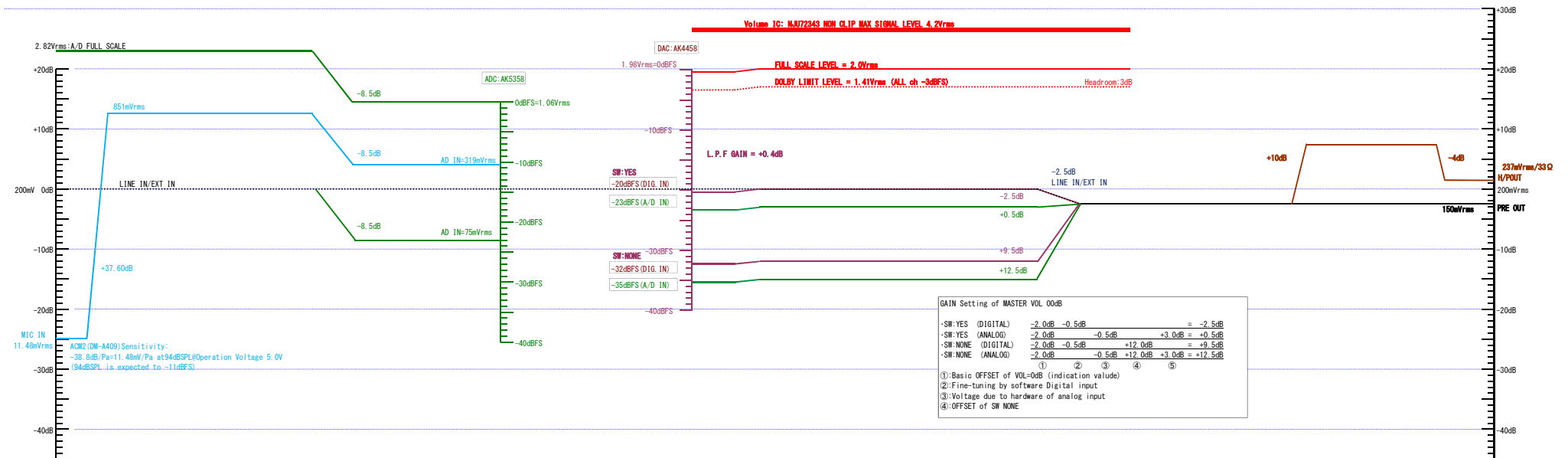
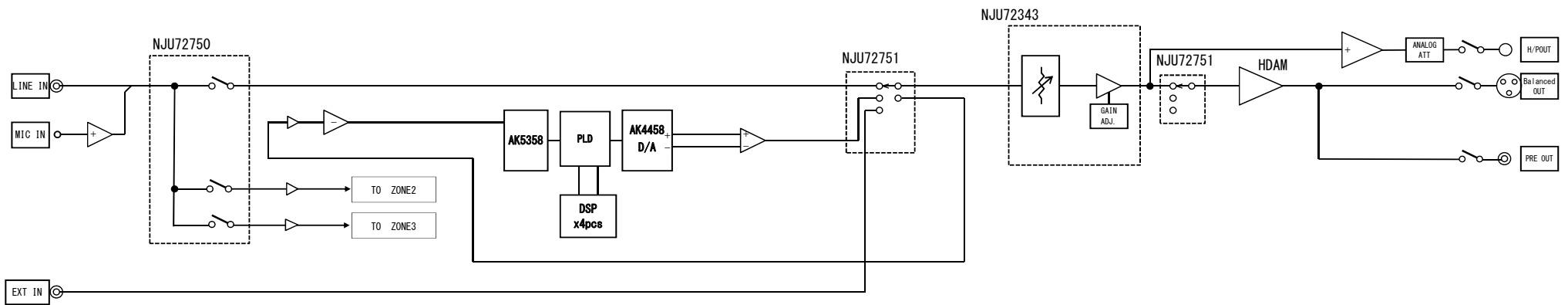
Repair Information

Updating

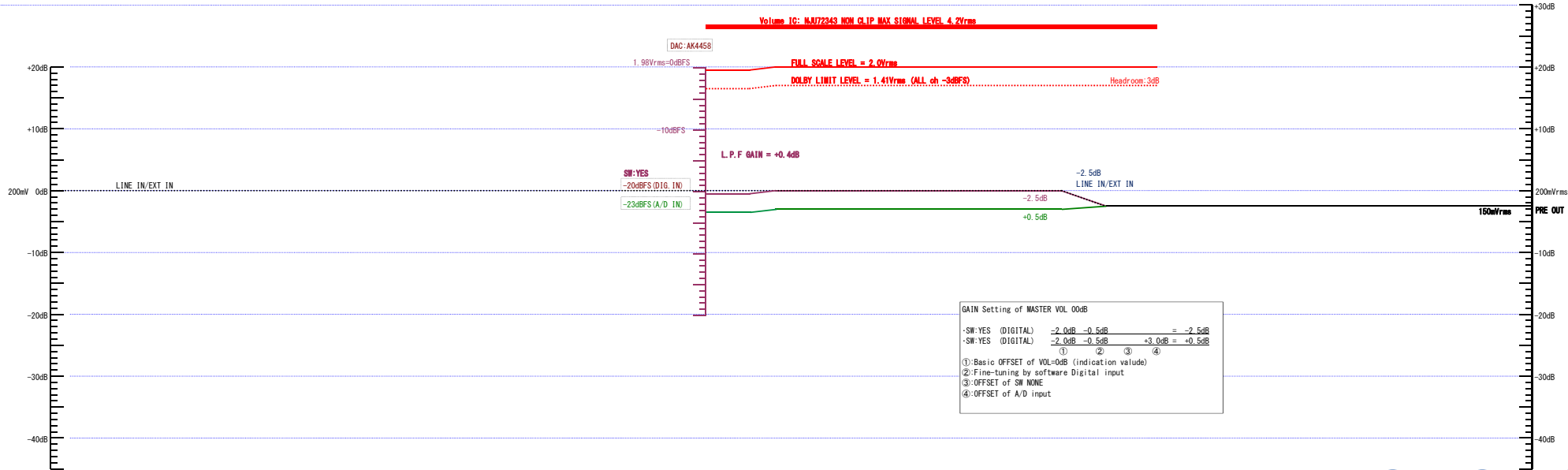
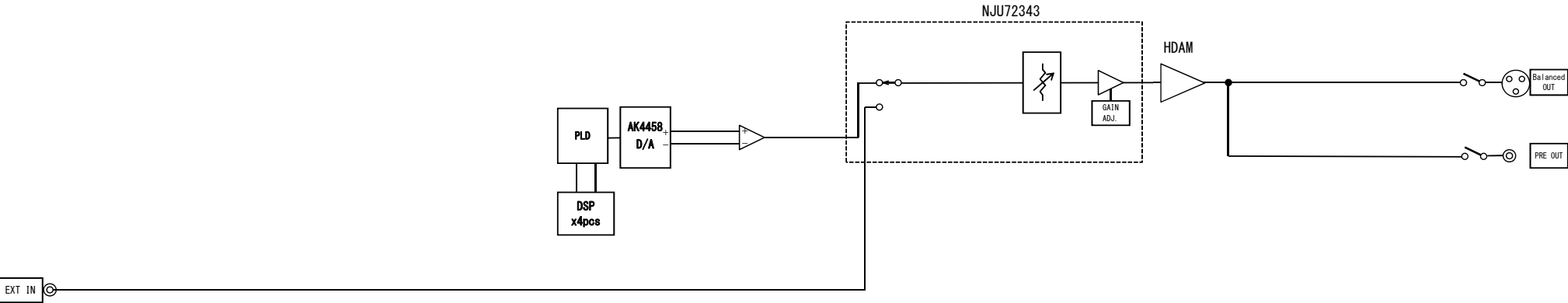
LEVEL DIAGRAM

FRONT ch

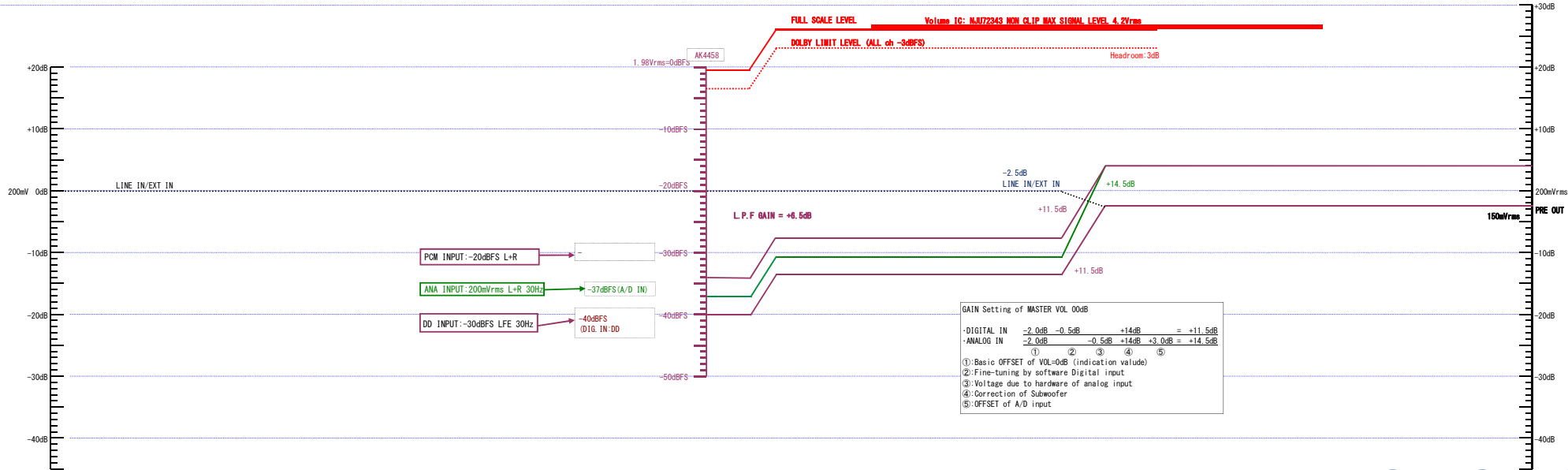
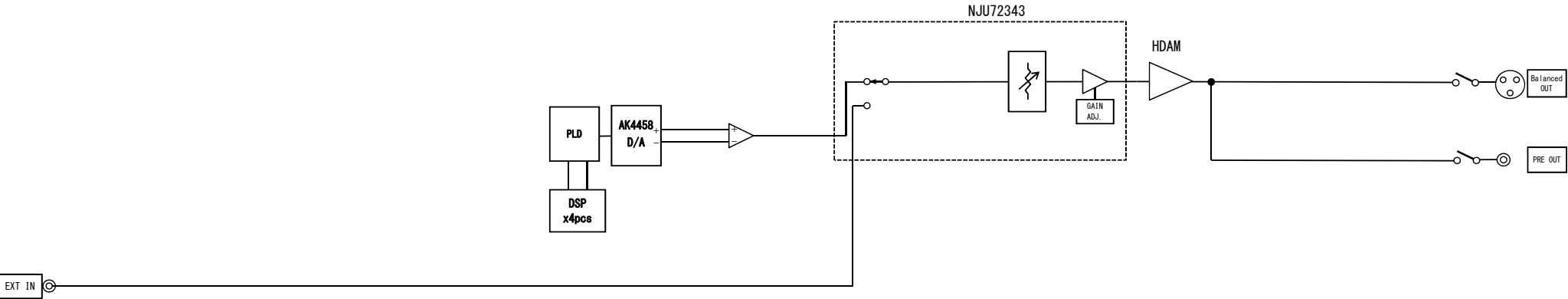
AV7703 LEVEL DIAGRAM FRONT ch



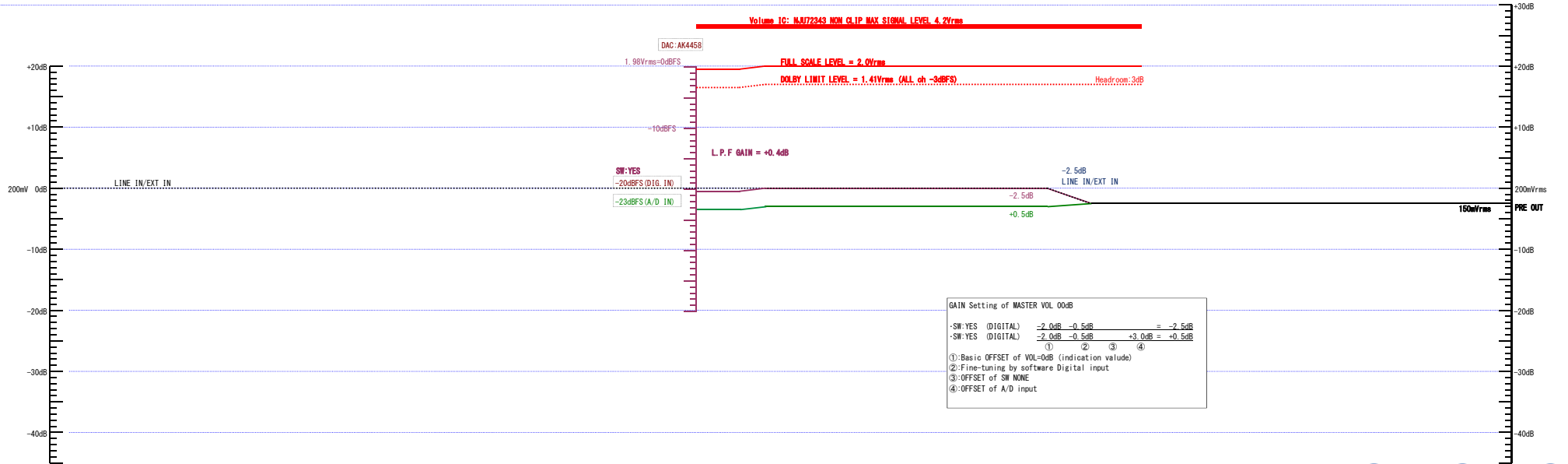
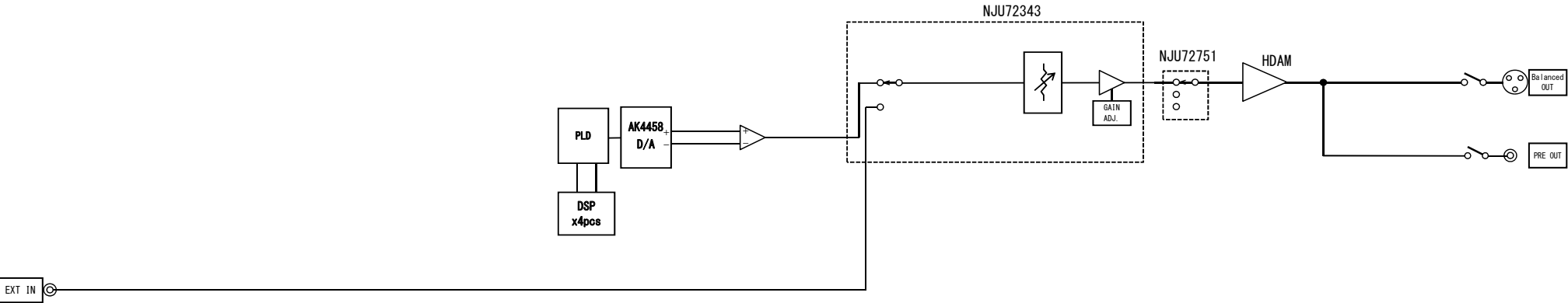
AV7703
LEVEL DIAGRAM
CENTER/SURROUND ch



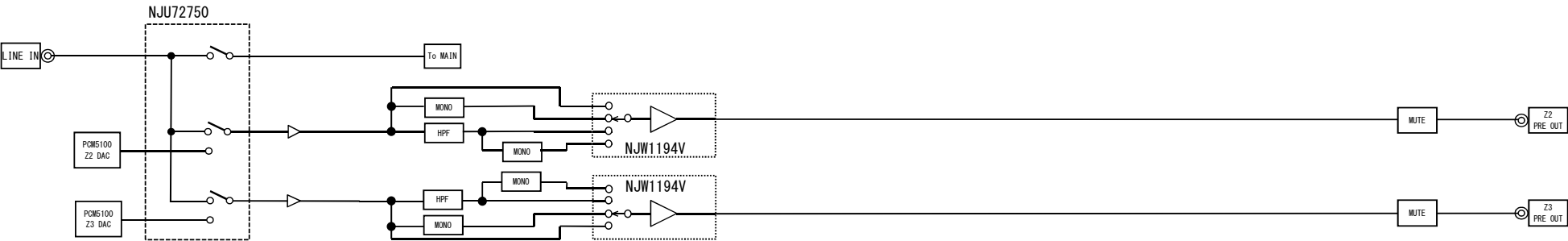
AV7703
LEVEL DIAGRAM
SUB WOOFER ch



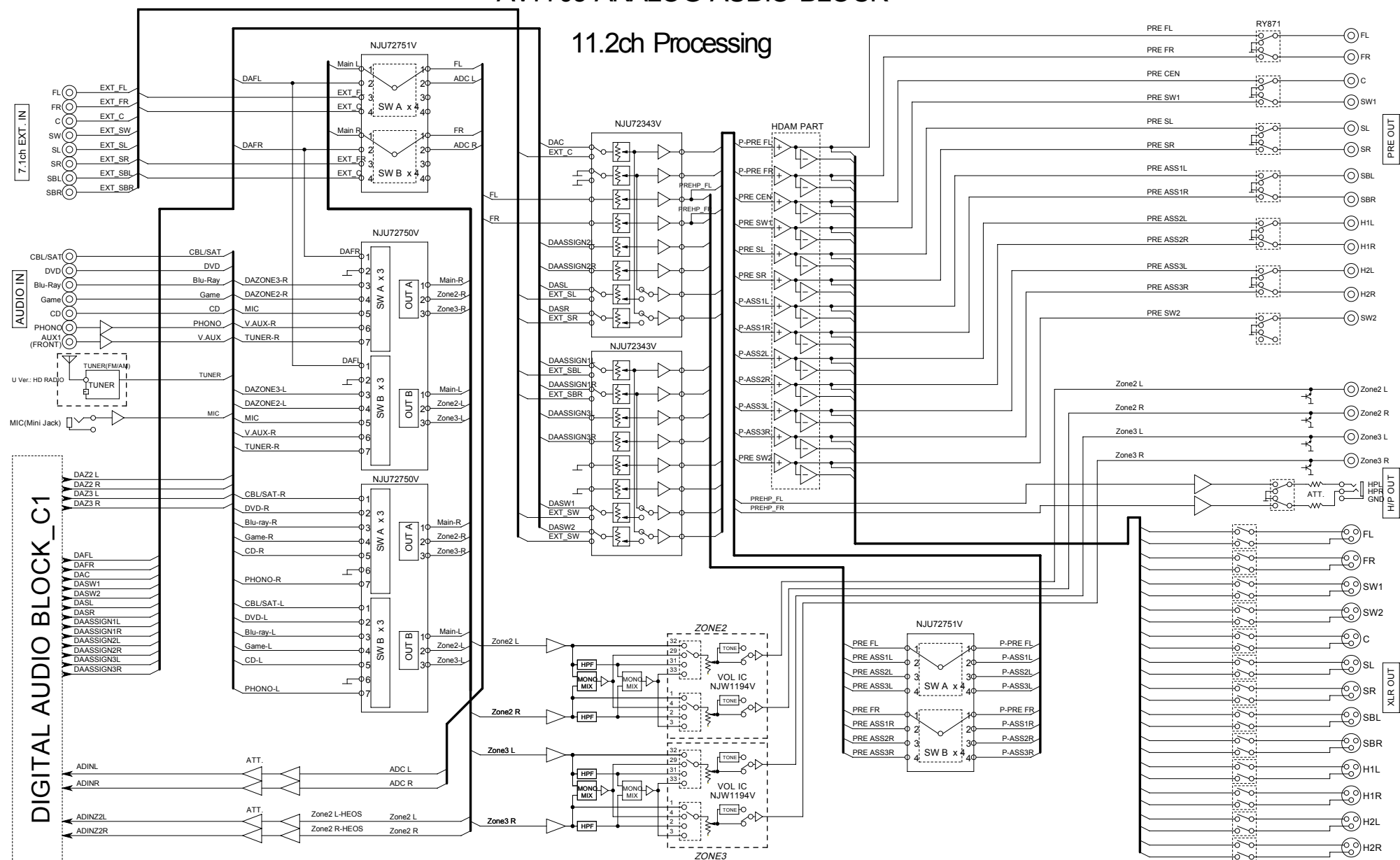
AV7703
LEVEL DIAGRAM
ASSIGN1/2/3 (SURROUND BACK/HEIGHT1/HEIGHT2) ch



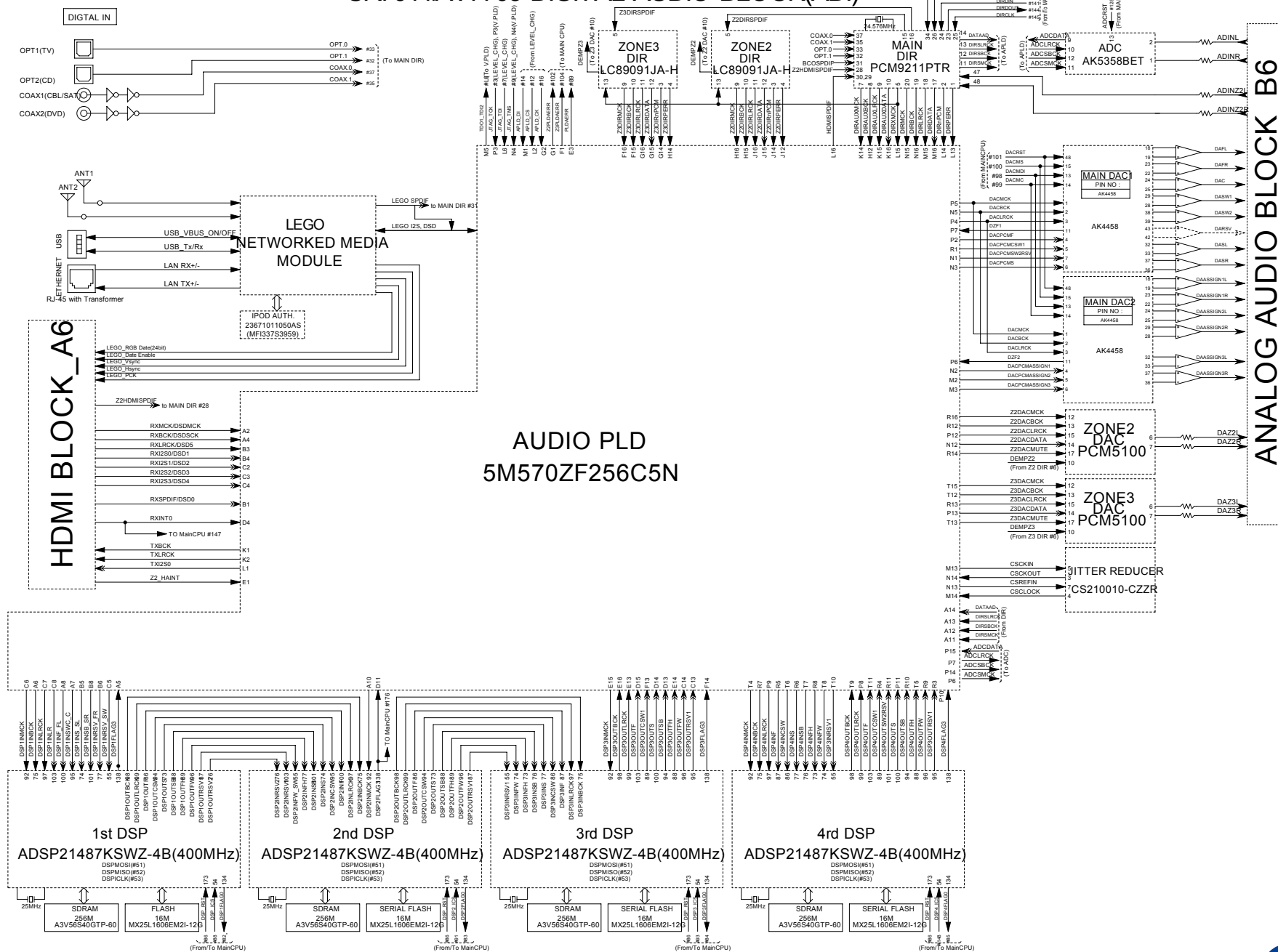
AV7703
LEVEL DIAGRAM
ZONE2/ZONE3



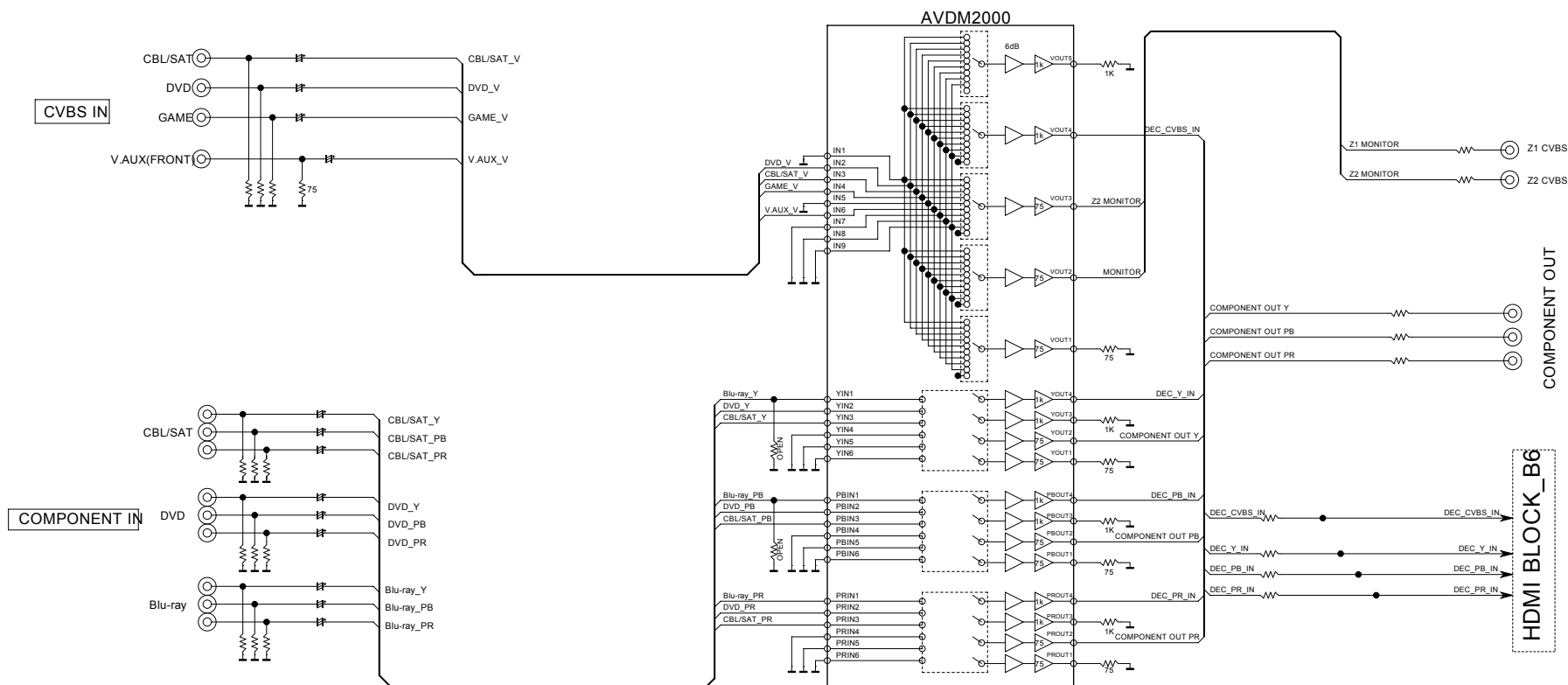
11.2ch Processing



SR7011/AV7703 DIGITAL AUDIO BLOCK(ADI)



SR7011/AV7703 ANALOG VIDEO BLOCK



Caution in
servicing

Electrical

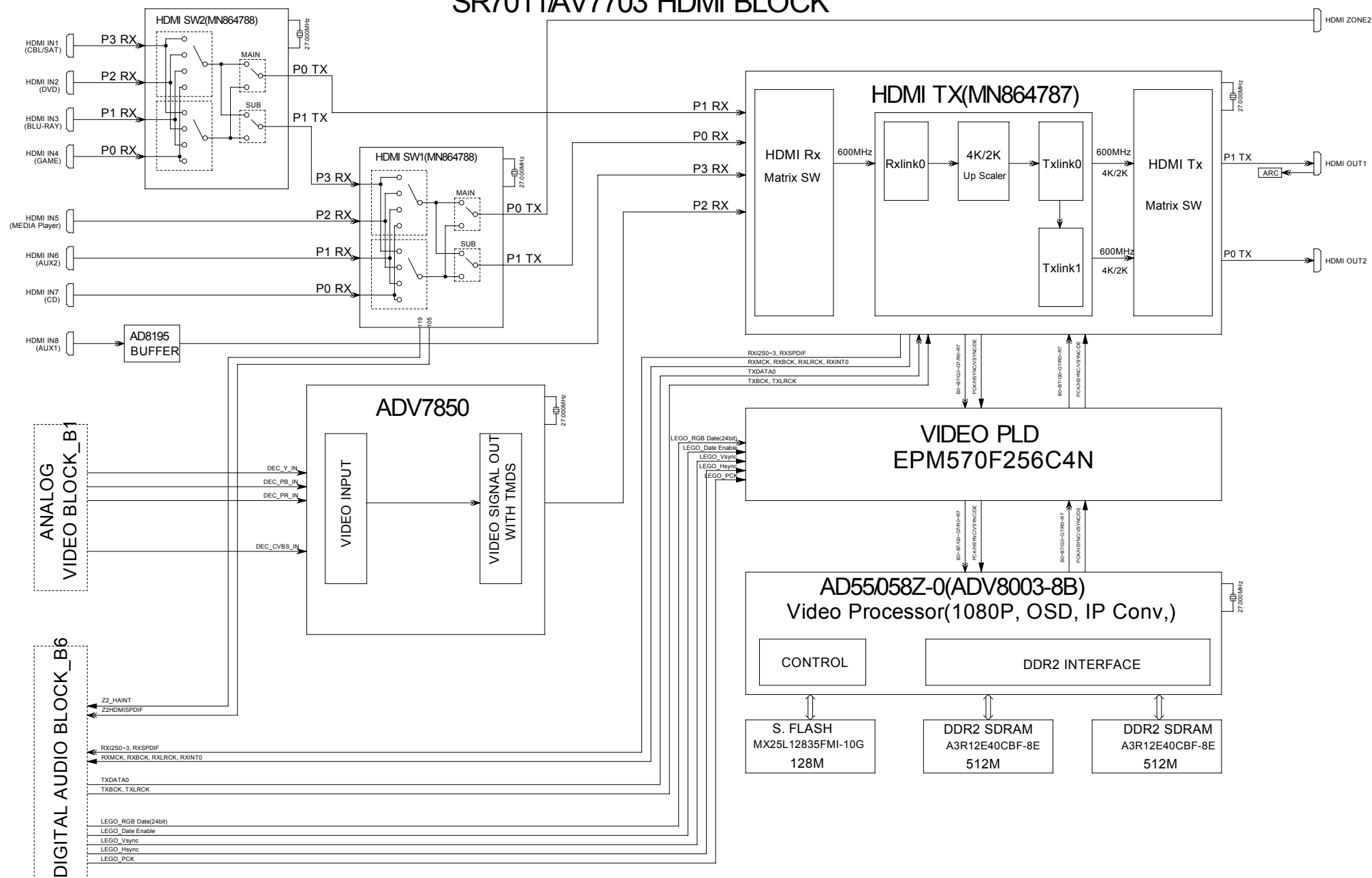
Mechanical

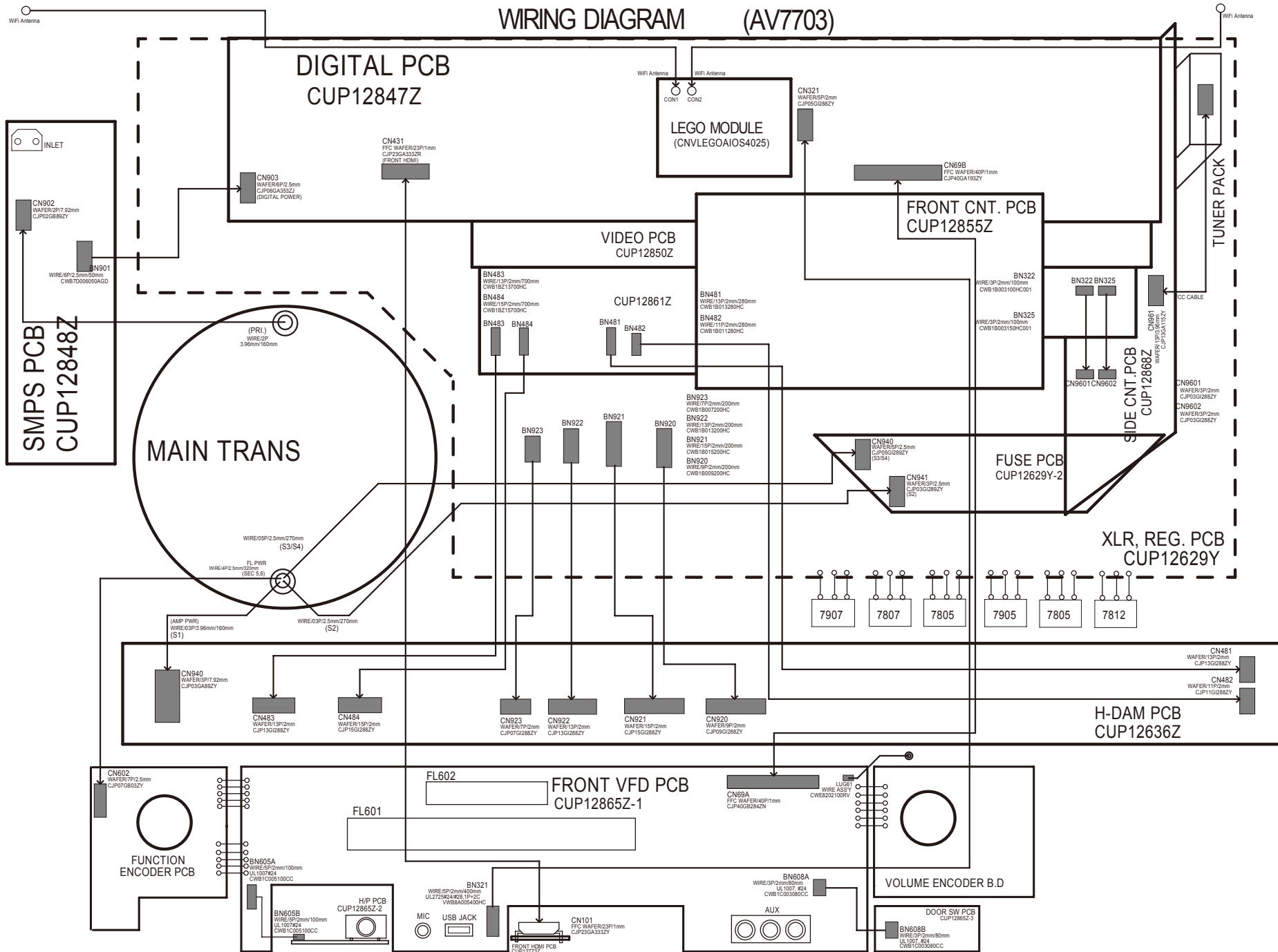
Repair Information

Updating



SR7011/AV7703 HDMI BLOCK

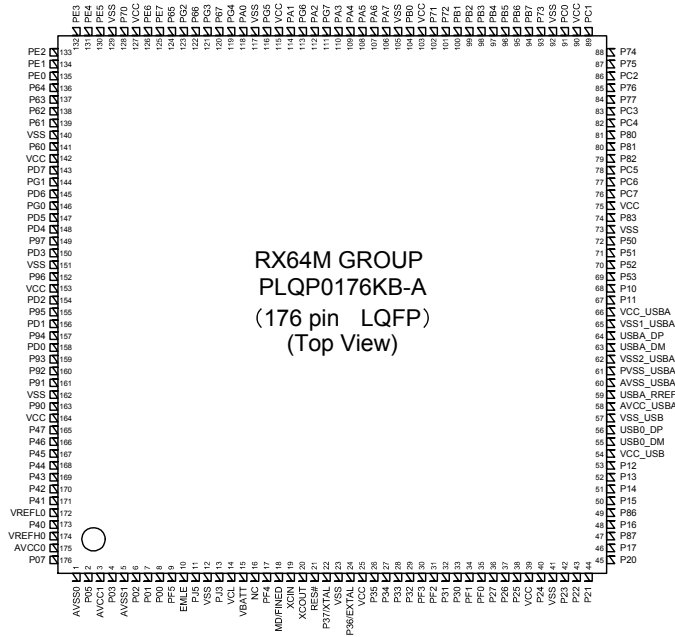




Only major semiconductors are shown, general semiconductors etc. are omitted to list.
The semiconductor which described a detailed drawing in a schematic diagram are omitted to list.

1. IC's

R5F564MJCDFC (DIGITAL : IC151)



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	H	POWER/STANDBY LED control pin
5	AVSS1	AVSS1	-	-	-	-	-	Ground pin
6	P02/SCK6/IRQ10/AN120	FANDET_ON/ HIGH(X4300/ SR6011/ SR7011/ NC(AV7703))	I/O	SW3VPu	I/L	I/L	I/L	Thermally detection input pin (for FAN control)(A/D converter)
7	P01/RXD6/IRQ9/AN119	RXD MI2320	I	Pd	I	I	I	External data input port (for AMX/FW update via 232C) :Connector is FFC
8	P00/TXD6/IRQ8/AN118	TXD MO2321	O		L	L	L	External data output port (for AMX/FW update via 232C) :Connector is FFC
9	PF5/IRQ4	WHITE LED(X4300(NA))/ GREEN LED(X4300(EU/ CH/JP)/SR6011/ SR7011/AV7703)	O		L	L	L	POWER LED control pin

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
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	NC(X4300/ SR6011)/ DOOR DET(SR7011/ AV7703)	I	M3VPu	I	I	I	Front trap door open/close detect input pin (High:Door open)
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(X4300)/ FLASHER IN(SR6011/ SR7011/ AV7703)	O/I		L/I	L/I	L/I	IR Flasher control signal input (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/I/I	M3VPu	-/I	-/I	I	E20 Emulator control pin/Mitsubishi writer control pin/ When normal operating mode,set to input.
32	P31/IRQ1-DS	NC(SR7011/ AV7703(NA))/TU GPO2_INT(X4300H/ SR6011(ALL),SR7011/ AV7703(EU/CH/JP))	O/I		L	L	L	TUNER control
33	P30/RXD1	HDRADIO MIHO(SR7011/ AV7703(NA))/ TU SDIO(X4300H/ SR6011(ALL),SR7011/ AV7703(EU/CH/JP))	I/L_O		L	L	L	HDRADIO/TUNER control
34	TCK/FINEC/PF1/ SCK1	TCK/ NC(NORMRAL)	I/I	M3VPu	-/I	-/I	I	E20 Emulator control pin/When normal operating mode,set to input.
35	TD0/TXD1/PF0	TDO/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	NC(SR7011/ AV7703(NA))/ TU SEN(X4300H/ SR6011(ALL),SR7011/ AV7703(EU/CH/JP))	O		L	L	L	TUNER control

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
37	P26/TXD1	HDRADIO MOH1(SR7011/ AV7703)NA1/ TU SCLK(X4300H/ SR6011(ALL),SR7011/ AV7703(EU/CH/JP))	O/O		L	L	L	HDRADIO/TUNER control
38	P25/RXD3	VOL DATA	O		L	L	L	Volume control pin (NJU72343)
39	VCC	VCC	-	-	-	-	-	Power supply pin
40	P24/SCK3	NC(X4300)/ KILL IR(SR6011/ SR7011/ AV7703)	O		L	L	L	Front IR disable control pin
41	VSS	VSS	-	-	-	-	-	Ground pin
42	P23/TXD3/CTS0#/ RTS0#	E RTS MOEI / (E SPI CS)	O	N3VPu	L	L	L	Ethernet(LEGO) control pin/ (Case of using CY920)
43	P22/SCK0	E CTS MIEO / (E SPI CLK)	I/(O)	N3VPu	I	I	I	Ethernet(LEGO) control pin/ (Case of using CY920)
44	P21/RXD0/IRQ9	E RxD MIEO / (E SPI MIEO)	I	N3VPu	I	L	I	Ethernet(LEGO) control pin/ (Case of using CY920)
45	P20/TXD0/IRQ8	E TxD MOEI / (E SPI MOEI)	O	N3VPu	L	L	L	Ethernet(LEGO) control pin/ (Case of using CY920)
46	P17/SCK1/TXD3/ IRQ7	NET FACT RST (E SPI REQ)	O(ODR/ I)	N5VPu	Z	Z	Z	Ethernet(LEGO) control pin/ (Case of using CY920)
47	P87/TXD10/TIOCA2	NC(X4300)/RC OUT(SR6011/ SR7011/ AV7703)	O		L/H	L/L	L/H	Remote code (RC-5) output pin
48	P16/TXD1/RXD3/ IRQ6	NETSV POWER (E RESET)	O/ (ODR)	N3VPu	L	L	L	Ethernet power supply (Net5V) control pin/ (Case of using CY920)
49	P86/RXD10	SEL_DATA	O		L	L	L	Audio selector control pin (NJU72750/72751)
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

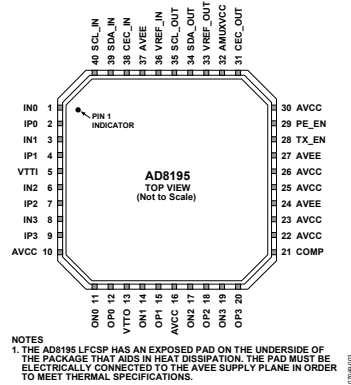
Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
76	UB/PC7/TXD8/ IRQ14	UB	I	Pd	-	-	-	Pins for setting the boot mode(select the Boot Mode or User Boot Mode)
77	PC6/RXD8/IRQ13	AVSDA	I/O	DV- 3VPu	O/L	O/L	L	VIDEO I2C control pin for ADV8003/ ADV7850/ ADVM2000(except SR6011)
78	PC5/SCK8	AVSCL	I/O	DV- 3VPu	O/L	O/L	L	VIDEO I2C control pin for ADV8003/ ADV7850/ ADVM2000(except SR6011)
79	P82/TXD10	DSP MOSI	O	DA3VPu	L	L	L	DSP(ADI) control pin
80	P81/RXD10	DSP MISO	I	DA3VPu	L	L	L	DSP(ADI) control pin
81	P80/SCK10	DSP CLK	O	DA3VPu	L	L	L	DSP(ADI) control pin
82	PC4/SCK5	DSP1FLAG0 / (DSP CS)	I	Pd	L	L	L	DSP(ADI) interrupt signal input pin/(Case of using CIR- RUS)
83	PC3/TXD5	DSP2FLAG0 / (DSP FLAG0)	I	Pd	L	L	L	DSP(ADI) interrupt signal input pin/(Case of using CIR- RUS)
84	P77/TXD11	DSP3FLAG0 / (DSP RST)	I	Pd	L	L	L	DSP(ADI) interrupt signal input pin/(Case of using CIR- RUS)
85	P76/RXD11	DSP4FLAG0 / (DSP BUSY)	I	Pd	L	L	L	DSP(ADI) interrupt signal input pin/(Case of using CIR- RUS)
86	PC2/RXD5	DSP RST / (DA POWER2)	O		L	L	L	DSP(ADI) reset control pin/(Case of using CIR- RUS)
87	P75/SCK11	CEC POWER2	O		L	L	L	CEC standby power control (for CEC Standby Mode 3)
88	P74	DSP1CS / (DSP ROM WRITE)	O	DA3VPu	L	L	L	DSP(ADI) control pin/(Case of using CIR- RUS&CY920)
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	DSP2CS / (NC)	O	DA3VPu	L	L	L	DSP(ADI) control pin/(Case of using CIR- RUS)
92	VSS	VSS	-	-	-	-	-	Ground pin
93	P73	DSP3CS / (NC)	O	DA3VPu	L	L	L	DSP(ADI) control pin/(Case of using CIR- RUS)
94	PB7/TXD9	HSDA	I/O	CE- C3VPu	L	L	L	HDMI I2C control pin for MN864787/MN864788
95	PB6/RXD9	HSCL	I/O	CE- C3VPu	L	L	L	HDMI I2C control pin for MN864787/MN864788
96	PB5/SCK9	NC / (JTAG TDO)	O		L	L	L	NC/(Case of using CY920)
97	PB4	APLD CS/ (JTAG TMS)	O		L	L	L	Audio PLD (5M80ZT100C5N) control pin/(Case of using CY920)
98	PB3/SCK4/SCK6	APLD DATA/ DAC DATA/ (JTAG TDI)	O		L	L	L	Audio PLD (5M80ZT100C5N) control pin/DAC (PCM1690) control pin/(Case of using CY920)
99	PB2	APLD CLK/ DAC CLK/ (JTAG TCK)	O		L	L	L	Audio PLD (5M80ZT100C5N) control pin/DAC (PCM1690) control pin/(Case of using CY920)
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	Z2PLD ERR	I	-	L	L	L	Detect PLD error (from Audio PLD)
103	VCC	VCC	-	-	-	-	-	Power supply pin
104	PB0/RXD4/RXD6/ IRQ12	Z3PLD ERR	I	-	L	L	L	Detect PLD error (from Audio PLD)
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	VOL CLK	O		L	L	L	Volume control pin (NJU72343)
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	MVOL MUTE	O		L	L	L	Volume control pin (NJU72343)
111	TRDATA3/PG7	REMOTE POWER(232C)	O		L	L	L	232C power supply (REMOTE 3.3V) control pin
112	PA2/RXD5	NC/(USB_EN)	O		L	L	L	NC/(for X7500H/AV8804)
113	TRDATA2/PG6	ZVOL DATA	O		L	L	L	ZONE2 volume control pin (NJW1194)
114	PA1/SCK5/IRQ11	ZVOL CLK	O		L	L	L	ZONE2 volume control pin (NJW1194)
115	VCC	VCC	-	-	-	-	-	Power supply pin
116	TRCLK/PG5	ZVOL STB	O		L	L	L	ZONE2 volume control pin (NJW1194)



Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
117	VSS	VSS	-	-	-	-	-	Ground pin
118	PA0	H5V 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	NC(X4300/ SR6011)/FL CE2(SR7011/ AV7703)	O	-	L	L	L	FL display control pin
124	P65	NC(X4300)/ FIL_ CTRL(SR6011/ SR7011/ AV7703)	O	-	L	L	L	Filament Power control pin (for Portal FLD)
125	PE7/IRQ7/AN105	ASO/DC DET(X4300/ SR6011/ SR7011)/ NC(AV7703)	I	-	I	I	I	Protection detect signal input pin (for ASO and DC) (A/D converter)
126	PE6/IRQ6/AN104	MIC DET/ H/P DET	I	-	I	I	I	Headphone insert detect pin/Microphone insert detect pin (A/D converter)
127	VCC	VCC	-	-	-	-	-	Power supply pin
128	P70	ADC_RST	O	-	I	L	I	A/D convertor(AK5358) reset 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	AIOS4_ WAKEUP / (E POWER1)	O	-	L	L	L	Ethernet(LEGO) control pin for Standby(High:Normal,Low:Deep Standby)/(Case of using CY920)
133	PE2/RXD12/IRQ7- DS/AN100	AIOS4_STBY_ STATUS / (E POWER2)	O	-	L	L	L	Status pin for UART communication with LEGO(L: not-available, H : available)/(Case of using CY920)
134	PE1/TXD12	GUI_WRITE / (E POWER3)	O	-	L	L	L	GUI flash rom writing control/(Case of using CY920)
135	PE0/SCK12	NET3.3V POWER / (E POWER4)	O	-	L	L	L	Ethernet power supply control(Net3.3V)/(Case of using CY920)
136	P64	DSV 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	787_HAINT	I	-	Z	-	-	HDMI Rx (MN864787) audio interrupt signal det
148	PD4/IRQ4/AN112	DSP4CS/ (NC)	O	-	Pd	Z	L	DSP(ADI) control pin/(Case of using CY920)
149	P97	DE_RST	O	Pd	Z	-	L	Video decoder (ADV7850) reset control pin
150	PD3/IRQ3/AN111	787_HINT	I	-	Z	-	-	HDMI Tx (MN864787) interrupt signal input pin
151	VSS	VSS	-	-	-	-	-	Ground pin
152	P96	787_RST	O	Pd	Z	-	※	HDMI Tx (MN864787) 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_1_HINT	I	-	Z	-	-	HDMI Rx (MN864788) interrupt signal input pin

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
157	P94	788_1_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(X4300/ SR6011/ SR7011)/ NC(AV7703)	I	SW3VPu	I	L	I	Protection detect signal input pin (for power TR)
160	P92/RXD7/AN116	DA_POWER1	O	-	L	L	L	Digital audio power supply (DA3.3V,DA1.2V) control pin
161	P91/AN115	THERMAL E(X4300/ SR6011/ SR7011)/ NC(AV7703)	I/I	SW3VPu	I/I	L	I/I	Protection detect signal input pin (for Heat sink)
162	VSS	VSS	-	-	-	-	-	Ground pin
163	P90/TXD7/AN114	THERMAL F(X4300/ SR6011/ SR7011)/ NC(AV7703)	I/I	SW3VPu	I/I	L	I/I	Protection detect signal input pin (for Heat sink)
164	VCC	VCC	-	-	-	-	-	Power supply pin
165	P47/IRQ15-DS/ AN007	SEL_CLK	O	-	L	L	L	Audio selector control pin (NJU72750/72751)
166	P46/IRQ14-DS/ AN006	CURRENT DET(X4300/ SR6011/ SR7011)/ NC(AV7703)	I/O	-	I/L	L/L	I/L	Current level monitor pin (A/D converter)
167	P45/IRQ13-DS/ AN005	AMPSIGDET(X4300/ SR6011/SR7011)/ NC(AV7703)	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 interrupt)
170	P42/IRQ10-DS/ AN002	KEY2	I	M3VPu	I	I	I	Key control signalinput pin (When standby mode,set to interrupt)
171	P41/IRQ9-DS/ AN001	KEY1	I	M3VPu	I	I	I	Key control signalinput pin (When standby mode,set to interrupt)
172	VREFL0	VREFL0	-	-	-	-	-	Ground pin
173	P40	NC/(PLD WRITE)	O	-	L	L	L	NC /(Case of using CY920)
174	VREFH0	VREFH0	-	-	-	-	-	Power supply pin
175	AVCC0	AVCC0	-	-	-	-	-	Power supply pin
176	P07/IRQ15	DSP2FLAG3 / (DSP FLAG3)	I	Pd	L	L	L	DSP(ADI) control pin/(Case of using CIRRUS)

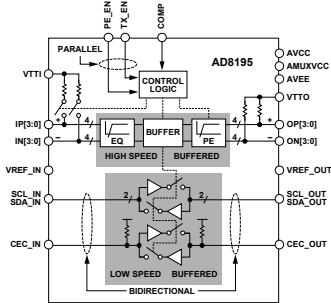
AD8195ACPZ (F-HDMI : IC101)



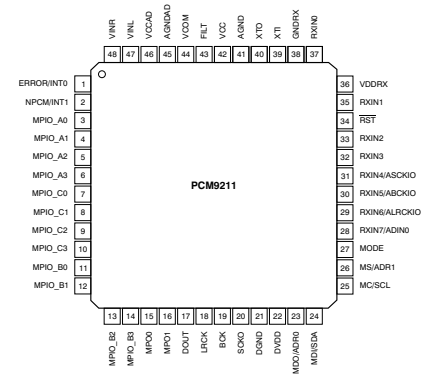
AD8195ACPZ Termini Function

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	VTT1	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 (DIGITAL : IC202)



PIN Functions

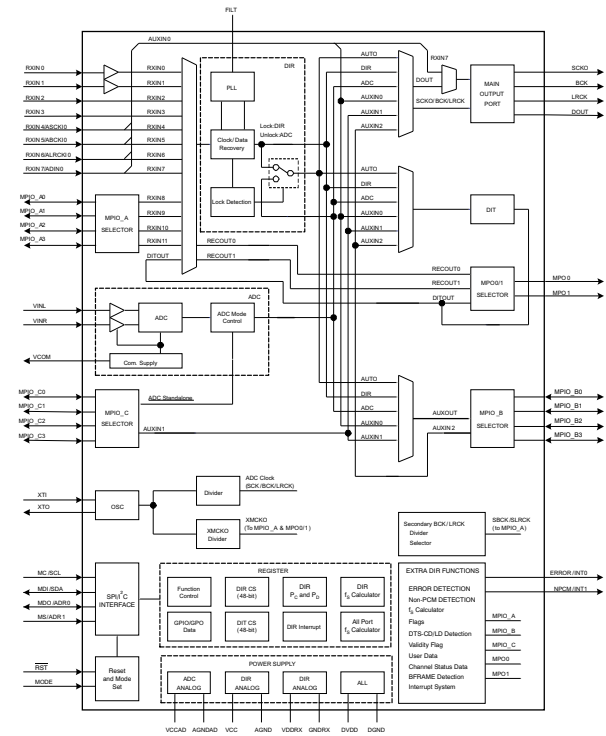
PIN				DESCRIPTION
NO.	NAME	I/O	5-V TOLERANT	
1	ERROR/INT0	O	No	DIR Error detection output / Interrupt0 output
2	NPCM/INT1	O	No	DIR Non-PCM detection output / Interrupt1 output
3	MPIO_A0	I/O	Yes	Multipurpose I/O, Group A(1)
4	MPIO_A1	I/O	Yes	Multipurpose I/O, Group A(1)
5	MPIO_A2	I/O	Yes	Multipurpose 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)



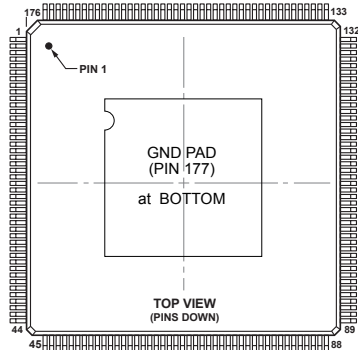
PIN				DESCRIPTION
NO.	NAME	I/O	5-V TOLERANT	
26	MS/ADR1	I	Yes	Software control I/F, SPI chip select / I2C slave address setting ¹⁽²⁾
27	MODE	I	No	Control mode setting. (see the Serial Control Mode section, Control Mode Pin Setting)
28	RXIN7/ADIN0	I	Yes	Biphase signal, input 7 / AUXIN0, serial audio 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



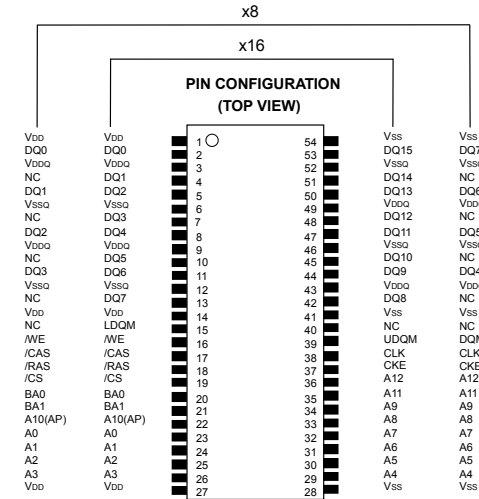
ADSP21487KSWZ4B (DIGITAL : IC251, IC261, IC271, IC281)



ADSP21487KSWZ3B Terminal Function

Pin Name	Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name	Pin No.
SDDQM	1	V _{DD_EXT}	45	DAI_P10	89	V _{DD_INT}	133
MS0	2	DPI_P08	46	V _{DD_INT}	90	FLAG0	134
SDCKE	3	DPI_P07	47	V _{DD_EXT}	91	FLAG1	135
V _{DD_INT}	4	V _{DD_INT}	48	DAI_P20	92	FLAG2	136
CLK_CFG1	5	DPI_P09	49	V _{DD_INT}	93	NC	137
ADDR0	6	DPI_P10	50	DAI_P08	94	FLAG3	138
BOOT_CFG0	7	DPI_P11	51	DAI_P14	95	NC	139
V _{DD_EXT}	8	DPI_P12	52	DAI_P04	96	NC	140
ADDR1	9	DPI_P13	53	DAI_P18	97	V _{DD_EXT}	141
ADDR2	10	DPI_P14	54	DAI_P17	98	NC	142
ADDR3	11	DAI_P03	55	DAI_P16	99	V _{DD_INT}	143
ADDR4	12	NC	56	DAI_P12	100	TRST	144
ADDR5	13	V _{DD_EXT}	57	DAI_P15	101	NC	145
BOOT_CFG1	14	NC	58	V _{DD_INT}	102	EMU	146
GND	15	NC	59	DAI_P11	103	DATA0	147
ADDR6	16	NC	60	V _{DD_EXT}	104	DATA1	148
ADDR7	17	NC	61	V _{DD_INT}	105	DATA2	149
NC	18	V _{DD_INT}	62	BOOT_CFG2	106	DATA3	150
NC	19	NC	63	V _{DD_INT}	107	TDO	151
ADDR8	20	NC	64	AMI_ACK	108	DATA4	152
ADDR9	21	V _{DD_INT}	65	GND	109	V _{DD_EXT}	153
CLK_CFG0	22	NC	66	THD_M	110	DATA5	154
V _{DD_INT}	23	NC	67	THD_P	111	DATA6	155
CLKIN	24	V _{DD_INT}	68	V _{DD_THD}	112	V _{DD_INT}	156
XTAL	25	NC	69	V _{DD_INT}	113	DATA7	157
ADDR10	26	WDTRSTO	70	V _{DD_INT}	114	TDI	158
SDA10	27	NC	71	MST	115	SDCLK	159
V _{DD_EXT}	28	V _{DD_EXT}	72	V _{DD_INT}	116	V _{DD_EXT}	160
V _{DD_INT}	29	DAI_P07	73	WDT_CLKO	117	DATA8	161
ADDR11	30	DAI_P13	74	WDT_CLKIN	118	DATA9	162
ADDR12	31	DAI_P19	75	V _{DD_EXT}	119	DATA10	163
ADDR17	32	DAI_P01	76	ADDR23	120	TCK	164
ADDR13	33	DAI_P02	77	ADDR22	121	DATA11	165
V _{DD_INT}	34	V _{DD_INT}	78	ADDR21	122	DATA12	166
ADDR18	35	NC	79	V _{DD_INT}	123	DATA14	167
RESETOUT/RUNRSTIN	36	NC	80	ADDR20	124	DATA13	168
V _{DD_INT}	37	NC	81	ADDR19	125	V _{DD_INT}	169
DPI_P01	38	NC	82	V _{DD_EXT}	126	DATA15	170
DPI_P02	39	NC	83	ADDR16	127	SDWE	171
DPI_P03	40	V _{DD_EXT}	84	ADDR15	128	SDRAS	172
V _{DD_INT}	41	V _{DD_INT}	85	V _{DD_INT}	129	RESET	173
DPI_P05	42	DAI_P06	86	ADDR14	130	TMS	174
DPI_P04	43	DAI_P05	87	AML_WR	131	SDCAS	175
DPI_P06	44	DAI_P09	88	AML_RD	132	V _{DD_INT}	176
				GND	177*		

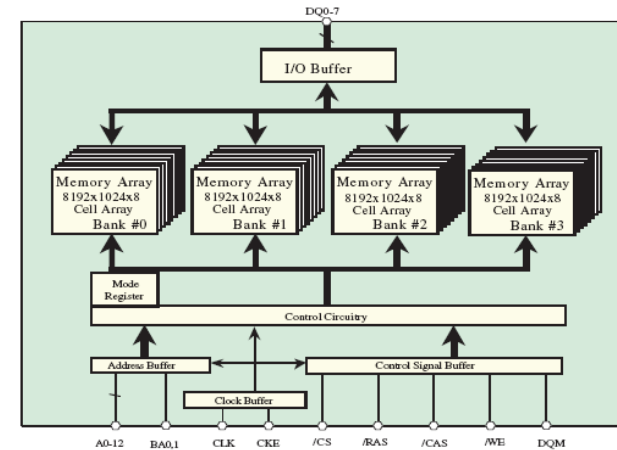
A3V56S40GTP-60 (DIGITAL : IC252, IC262, IC272, IC282)



CLK : Master Clock
CKE : Clock Enable
/CS : Chip Select
/RAS : Row Address Strobe
/CAS : Column Address Strobe
/WE : Write Enable
DQ0-7 : Data I/O (A3V56S30GTP)
DQ0-15 : Data I/O (A3V56S40GTP)

DQM : Output Disable / Write Mask (A3V56S30GTP)
U.L. DQM : Output Disable / Write Mask (A3V56S40GTP)
A0-12 : Address Input
BA0,1 : Bank Address
V_{DD} : Power Supply
V_{DDQ} : Power Supply for Output
V_{SS} : Ground
V_{SSQ} : Ground for Output

Block Diagram



Caution in
servicing

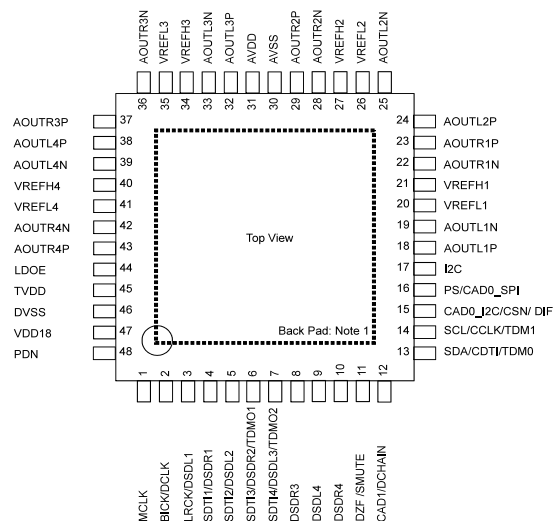
Electrical

Mechanical

Repair Information

Updating

AK4458VN (FRONT CNT : IC301, IC311)



Pin Function

No.	Pin Name	I/O	Function	PD State
1	MCLK	I	External Master Clock Input Pin	Hi-Z
2	BICK	I	Audio Serial Data Clock Pin in PCM mode	Hi-z
	DCLK	I	DSD Clock Pin in DSD mode	
3	LRCK	I	Input Channel Clock Pin in PCM mode	Hi-Z
	DSDL1	I	Audio Serial Data Input in DSD mode	
4	SDTI1	I	Audio Serial Data Input in PCM mode	Hi-Z
	DSDR1	I	Audio Serial Data Input in DSD mode	
5	SDTI2	I	Audio Serial Data Input in PCM mode	Hi-Z
	DSDL2	I	Audio Serial Data Input in DSD mode	
6	SDTI3	I	Audio Serial Data Input in PCM mode	100k Ω
	DSDR2	I	Audio Serial Data Input in DSD mode	Pull down
	TDMO1	O	Audio Serial Data Output in Daisy Chain mode	
7	SDTI4	I	Audio Serial Data Input in PCM mode	100k Ω
	DSDL3	I	Audio Serial Data Input in DSD mode	Pull down
	TDMO2	O	Audio Serial Data Output in Daisy Chain mode	
8	DSDR3	I	Audio Serial Data Input in DSD mode	Hi-Z
9	DSDL4	I	Audio Serial Data Input in DSD mode	Hi-Z
10	DSDR4	I	Audio Serial Data Input in DSD mode	Hi-Z
11	DZF	O	Zero Input Detect in I2C Bus or 3-wire serial control mode	100k Ω
	SMUTE	I	Soft Mute Pin in Parallel control mode. When this pin is changed to "H", soft mute cycle is initiated. When it is returning to "L", the output mute is released.	Pull down
12	CAD1	I	Chip Address 0 Pin in I C Bus or 3-wire serial control mode	Hi-Z
	DCHAIN	I	Daisy Chain Mode select pin in Parallel control mode.	
13	SDA	I/O	Control Data Pin in I2C Bus serial control mode	
	CDTI	I	Control Data Input Pin in 3-wire serial control mode	Hi-Z
	TDM0	I	TDM Mode select pin in Parallel control mode.	
14	SCL	I	Control Data Clock Pin in I2C Bus serial control mode	Hi-Z
	CCLK	I	Control Data Clock Pin in 3-wire serial control mode	
	TDM1	I	TDM Mode select pin in Parallel control mode.	

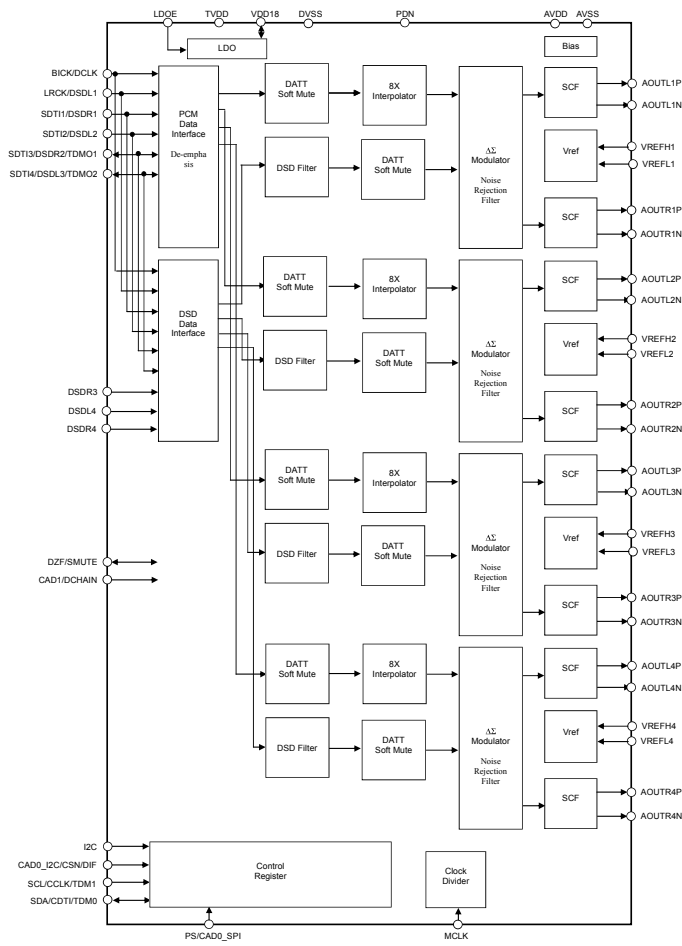
No.	Pin Name	I/O	Function	PD State
15	CAD0_I2C	I	Chip Address 0 Pin in I2C Bus serial control mode	Hi-Z
	CSN	I	Chip Select Pin in 3-wire serial control mode	
	DIF	I	Audio Data Format Select in Parallel control mode. "L": 32-bit MSB, "H": 32-bit I2S	
16	PS	I	(I2C pin = "H") Control Mode Select Pin "L": I2C Bus serial control mode, "H": Parallel control mode.	Hi-Z
	CAD0_SPI	I	(I2C pin = "L") Chip Address 0 Pin in 3-wire serial control mode	
17	I2C	I	Control Mode Select Pin "L": 3-wire serial control mode "H": I2C Bus serial control mode or Parallel control mode.	Hi-Z
18	AOUTL1P	O	Lch Positive Analog Output 1 Pin	Hi-Z
19	AOUTL1N	O	Lch Negative Analog Output 1 Pin	Hi-Z
20	VREFL1	I	Negative Voltage Reference Input Pin, AVSS	Hi-Z
21	VREFH1	I	Positive Voltage Reference Input Pin, AVDD	Hi-Z
22	AOUTR1N	O	Rch Negative Analog Output 1 Pin	Hi-Z
23	AOUTR1P	O	Rch Positive Analog Output 1 Pin	Hi-Z
24	AOUTL2P	O	Lch Positive Analog Output 2 Pin	Hi-Z
25	AOUTL2N	O	Lch Negative Analog Output 2 Pin	Hi-Z
26	VREFL2	I	Negative Voltage Reference Input Pin, AVSS	Hi-Z
27	VREFH2	I	Positive Voltage Reference Input Pin, AVDD	Hi-Z
28	AOUTR2N	O	Rch Negative Analog Output 2 Pin	Hi-Z
29	AOUTR2P	O	Rch Positive Analog Output 2 Pin	Hi-Z
30	AVSS	-	Analog Ground Pin	—
31	AVDD	-	Analog Power Supply Pin, 3.0V-5.5V	—
32	AOUTL3P	O	Lch Positive Analog Output 3 Pin	Hi-Z
33	AOUTL3N	O	Lch Negative Analog Output 3 Pin	Hi-Z
34	VREFH3	I	Positive Voltage Reference Input Pin, AVDD	Hi-Z
35	VREFL3	I	Negative Voltage Reference Input Pin, AVSS	Hi-Z
36	AOUTR3N	O	Rch Negative Analog Output 3 Pin	Hi-Z
37	AOUTR3P	O	Rch Positive Analog Output 3Pin	Hi-Z
38	AOUTL4P	O	Lch Positive Analog Output 4 Pin	Hi-Z
39	AOUTL4N	O	Lch Negative Analog Output 4 Pin	Hi-Z
40	VREFH4	I	Positive Voltage Reference Input Pin, AVDD	Hi-Z
41	VREFL4	I	Negative Voltage Reference Input Pin, AVSS	Hi-Z
42	AOUTR4N	O	Rch Negative Analog Output 4 Pin	Hi-Z
43	AOUTR4P	O	Rch Positive Analog Output 4 Pin	Hi-Z
44	LDOE	I	Internal LDO Enable Pin. "L": Disable, "H": Enable	Hi-Z
45	TVDD	-	Digital Power Supply Pin, 3.0V-3.6V	—
46	DVSS	-	Digital Ground Pin	—
47	VDD18	O	LDO Output Pin (LDOE pin = "H") This pin should be connected to DVSS with 1.0 μ F.	(Note 4)
		I	1.8V Power Input Pin (LDOE pin = "L")	
48	PDN	I	Power-Down & Reset Pin When this pin is "L", the AK4458 is powered-down and the control registers are reset to default state.	Hi-Z

Note 2. All input pins except internal pull-up/down pins should not be left floating.

Note 3. PCM mode and DSD mode are controlled by registers. Daisy Chain mode is controlled by both registers and pins.

Note 4. This pin outputs DVSS when the LDOE pin = "H" and Hi-z when the LDOE pin = "L".

FUNCTIONAL BLOCK DIAGRAM



PCM5100 (DIGITAL : IC321, IC322)

PCM510X (top view)

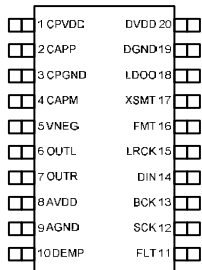


Table 2. TERMINAL FUNCTIONS, PCM510x

TERMINAL NAME	NO.	I/O	DESCRIPTION
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

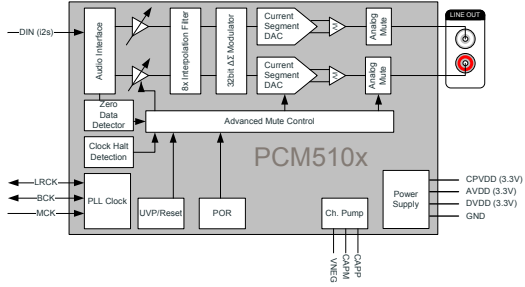


Figure 1. PCM510x Functional Block Diagram

Caution in
servicing

Electrical

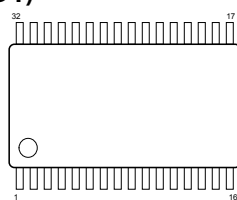
Mechanical

Repair Information

Updating

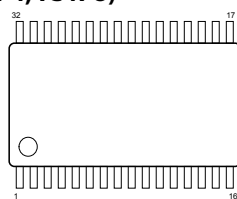


NJU72343 (INPUT : IC471, IC491)



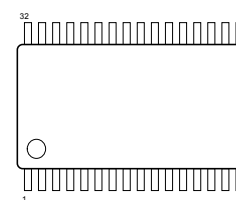
No.	Symbol	Function	No.	Symbol	Function
1	AREF	Analog reference potential	17	DATA	IC control data input
2	ADR	Address selection	18	CLOCK	IC control clock input
3	InA2	Ach input2	19	VDDOUT	Digital power supply output
4	InB2	Bch input2	20	AREF	Analog reference potential
5	InA1	Ach input1	21	OutH	Hch output
6	InB1	Bch input1	22	OutG	Gch output
7	InC	Cch input	23	OutF	Fch output
8	InD	Dch input	24	OutE	Ech output
9	InE	Ech input	25	OutD	Dch output
10	InF	Fch input	26	OutC	Cch output
11	InG1	Gch input1	27	OutB	Bch output
12	InH1	Hch input1	28	OutA	Ach output
13	InG2	Cch input2	29	AREF	Analog reference potential
14	InH2	Dch input2	30	V-	Power supply(-)
15	MUTE	External mute control	31	AREF	Analog reference potential
16	REF	Digital reference potential	32	V+	Power supply(+)

NJU72750 (INPUT : IC473, IC474, IC478)



No.	Symbol	Function	No.	Symbol	Function
1	V+	Power supply(+)	17	DATA	IC control data input
2	InA1	Ach input1	18	CLOCK	IC control clock input
3	InB1	Bch input1	19	NC	-
4	InA2	Ach input2	20	NC	-
5	InB2	Bch input2	21	OutB3	Bch output3
6	InA3	Ach input3	22	OutA3	Ach output3
7	InB3	Bch input3	23	REF_B	Bch reference potential
8	InA4	Ach input4	24	OutB2	Bch output2
9	InB4	Bch input4	25	OutA2	Ach output2
10	InA5	Ach input5	26	REF_A	Ach reference potential
11	InB5	Bch input5	27	OutB1	Bch output1
12	InA6	Ach input6	28	OutA1	Ach output1
13	InB6	Bch input6	29	NC	-
14	InA7	Ach input7	30	ADR0	Address selection pin 0
15	InB7	Bch input7	31	ADR1	Address selection pin 1
16	REF	BIAS reference potential	32	V-	Power supply(-)

NJU72751 (INPUT : IC475)

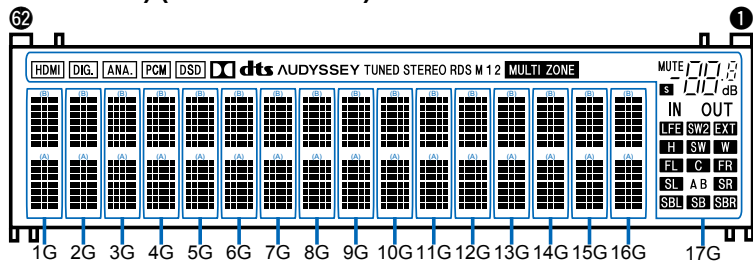


No.	Symbol	Function	No.	Symbol	Function
1	V+	Power supply(+)	17	CLOCK	IC control clock input
2	ADR0	Address selection pin 0	18	NC	-
3	InA1	Ach input1	19	OutB4	Bch output4
4	InB1	Bch input1	20	OutA4	Ach output4
5	NC	-	21	NC	-
6	InA2	Ach input2	22	OutB3	Bch output3
7	InB2	Bch input2	23	OutA3	Ach output3
8	NC	-	24	REF_B	Bch reference potential
9	NC	-	25	REF_A	Ach reference potential
10	InA3	Ach input3	26	OutB2	Bch output2
11	InB3	Bch input3	27	OutA2	Ach output2
12	NC	-	28	NC	-
13	InA4	Ach input4	29	OutB1	Bch output1
14	InB4	Bch input4	30	OutA1	Ach output1
15	REF	BIAS reference potential	31	ADR1	Address selection pin 1
16	DATA	IC control data input	32	V-	Power supply(-)



2. FL DISPLAY

FLD (17-BT-40GINK) (FRONT : FL601)



PIN CONNECTION

CONNECTION	PIN NO.
F2	62
NX	61
NP	60
NP	59
LGND	58
PGND	57
VH	56
VDD	55
OSC	54
RESET	53
CS	52
CP	51

CONNECTION	PIN NO.
DA	50
TSA	49
17G	48
17G	47
17G	46
NX	45
NX	44
NX	43
NX	42
NX	41
NX	40
NX	39
NX	38
NX	37
NX	36
NX	35
NX	34
NX	33
NX	32
NX	31
NX	30
NX	29
NX	28
NX	27
NX	26
NX	25
NX	24
NX	23
NX	22
NX	21
NX	20
NX	19
NX	18
NX	17
NX	16
NX	15
NX	14
NX	13
NX	12
NX	11
NX	10
NX	9
NX	8
NX	7
NX	6
NP	5
NP	4
NP	3
NP	2
F1	1

NOTE

- 1) F1, F2 ----Filament
- 2) NP -----No pin
- 3) DL -----Datum Line
- 4) NX -----No extend pin
- 5) 17G ----Grid
- 6) Q17G ----Driver Output Port.
- 7) LGND ----Logic GND pin
- 8) PGND ----Power GND pin
- 9) VH -----High Voltage Supply pin
- 10) VDD -----Logic Voltage Supply pin
- 11) OSC ----Pin for self-oscillation
- 12) RESET --Reset Input
- 13) CS -----Chip Select Input pin
- 14) CP ----Shift Register Clock
- 15) DA ----Serial Data Input
- 16) TSA, B --Test pin
- 17) Solder composition is Sn-3Ag-0.5Cu.
- 18) Field of vision is a minimum of 21.8° from the lower side.

PATTERN DETAIL

1G-16G				
1-1	2-1	3-1	4-1	5-1
1-2	2-2	3-2	4-2	5-2
1-3	2-3	3-3	4-3	5-3
1-4	2-4	3-4	4-4	5-4
1-5	2-5	3-5	4-5	5-5
1-6	2-6	3-6	4-6	5-6
1-7	2-7	3-7	4-7	5-7

ANODE CONNECTION

	1G-16G	17G
D0A	1-1A	-
D1A	2-1A	-
D2A	3-1A	-
D3A	4-1A	-
D4A	5-1A	-
D5A	1-2A	-
D6A	2-2A	-
D7A	3-2A	-
D8A	4-2A	-
D9A	5-2A	-
D10A	1-3A	dB
D11A	2-3A	Dp
D12A	3-3A	3d
D13A	4-3A	3e
D14A	5-3A	3c
D15A	1-4A	3g
D16A	2-4A	3f
D17A	3-4A	3b
D18A	4-4A	3a
D19A	5-4A	2d
D20A	1-5A	2e
D21A	2-5A	2c
D22A	3-5A	2g
D23A	4-5A	2f
D24A	5-5A	2b
D25A	1-6A	2a
D26A	2-6A	1d
D27A	3-6A	1e
D28A	4-6A	1c
D29A	5-6A	1g
D30A	1-7A	1f
D31A	2-7A	1b
D32A	3-7A	1a
D33A	4-7A	S1
D34A	5-7A	S

	1G-16G	17G
D0B	1-1B	HDMI
D1B	2-1B	DIG.
D2B	3-1B	ANA.
D3B	4-1B	PCM
D4B	5-1B	DSD
D5B	1-2B	dts
D6B	2-2B	AUDYSSEY
D7B	3-2B	TUNED
D8B	4-2B	STEREO
D9B	5-2B	RDS
D10B	1-3B	M
D11B	2-3B	1
D12B	3-3B	2
D13B	4-3B	MULTI ZONE
D14B	5-3B	INDEXING
D15B	1-4B	MUTE
D16B	2-4B	IN
D17B	3-4B	OUT
D18B	4-4B	LFE
D19B	5-4B	SW2
D20B	1-5B	EXT
D21B	2-5B	H
D22B	3-5B	SW
D23B	4-5B	W
D24B	5-5B	FL
D25B	1-6B	C
D26B	2-6B	FR
D27B	3-6B	SL
D28B	4-6B	A
D29B	5-6B	B
D30B	1-7B	SR
D31B	2-7B	SBL
D32B	3-7B	SB
D33B	4-7B	SBR
D34B	5-7B	SBR

Caution in
servicing

Electrical

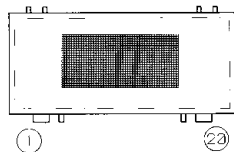
Mechanical

Repair Information

Updating



FLD (GP1261AI) (FRONT : FL602)



PIN CONNECTION

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

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	-	-	-	42-1	43-1	44-1	45-1	46-1	47-1	48-1
1-2	2-2	3-2	4-2	5-2	6-2	7-2	8-2	-	-	-	42-2	43-2	44-2	45-2	46-2	47-2	48-2
1-3	2-3	3-3	4-3	5-3	6-3	7-3	8-3	-	-	-	42-3	43-3	44-3	45-3	46-3	47-3	48-3
1-4	2-4	3-4	4-4	5-4	6-4	7-4	8-4	-	-	-	42-4	43-4	44-4	45-4	46-4	47-4	48-4
1-5	2-5	3-5	4-5	5-5	6-5	7-5	8-5	-	-	-	42-5	43-5	44-5	45-5	46-5	47-5	48-5
1-6	2-6	3-6	4-6	5-6	6-6	7-6	8-6	-	-	-	42-6	43-6	44-6	45-6	46-6	47-6	48-6
1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	-	-	-	42-7	43-7	44-7	45-7	46-7	47-7	48-7
1-8	2-8	3-8	4-8	5-8	6-8	7-8	8-8	-	-	-	42-8	43-8	44-8	45-8	46-8	47-8	48-8
1-9	2-9	3-9	4-9	5-9	6-9	7-9	8-9	-	-	-	42-9	43-9	44-9	45-9	46-9	47-9	48-9
1-10	2-10	3-10	4-10	5-10	6-10	7-10	8-10	-	-	-	42-10	43-10	44-10	45-10	46-10	47-10	48-10
1-11	2-11	3-11	4-11	5-11	6-11	7-11	8-11	-	-	-	42-11	43-11	44-11	45-11	46-11	47-11	48-11
1-12	2-12	3-12	4-12	5-12	6-12	7-12	8-12	-	-	-	42-12	43-12	44-12	45-12	46-12	47-12	48-12
1-13	2-13	3-13	4-13	5-13	6-13	7-13	8-13	-	-	-	42-13	43-13	44-13	45-13	46-13	47-13	48-13
1-14	2-14	3-14	4-14	5-14	6-14	7-14	8-14	-	-	-	42-14	43-14	44-14	45-14	46-14	47-14	48-14
1-15	2-15	3-15	4-15	5-15	6-15	7-15	8-15	-	-	-	42-15	43-15	44-15	45-15	46-15	47-15	48-15
1-16	2-16	3-16	4-16	5-16	6-16	7-16	8-16	-	-	-	42-16	43-16	44-16	45-16	46-16	47-16	48-16
1-17	2-17	3-17	4-17	5-17	6-17	7-17	8-17	-	-	-	42-17	43-17	44-17	45-17	46-17	47-17	48-17
1-18	2-18	3-18	4-18	5-18	6-18	7-18	8-18	-	-	-	42-18	43-18	44-18	45-18	46-18	47-18	48-18
1-19	2-19	3-19	4-19	5-19	6-19	7-19	8-19	-	-	-	42-19	43-19	44-19	45-19	46-19	47-19	48-19
1-20	2-20	3-20	4-20	5-20	6-20	7-20	8-20	-	-	-	42-20	43-20	44-20	45-20	46-20	47-20	48-20
1-21	2-21	3-21	4-21	5-21	6-21	7-21	8-21	-	-	-	42-21	43-21	44-21	45-21	46-21	47-21	48-21
1-22	2-22	3-22	4-22	5-22	6-22	7-22	8-22	-	-	-	42-22	43-22	44-22	45-22	46-22	47-22	48-22
1-23	2-23	3-23	4-23	5-23	6-23	7-23	8-23	-	-	-	42-23	43-23	44-23	45-23	46-23	47-23	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	-
D11	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	2-3	3b	-
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. FRONT ASSY

2. RADIATOR ASSY

3. REAR PANEL

4. DIGITAL PCB

5. VIDEO PCB

6. INPUT PCB

7. TUNER

8. XLR PCB

9. SMPS PCB

10. TRANS

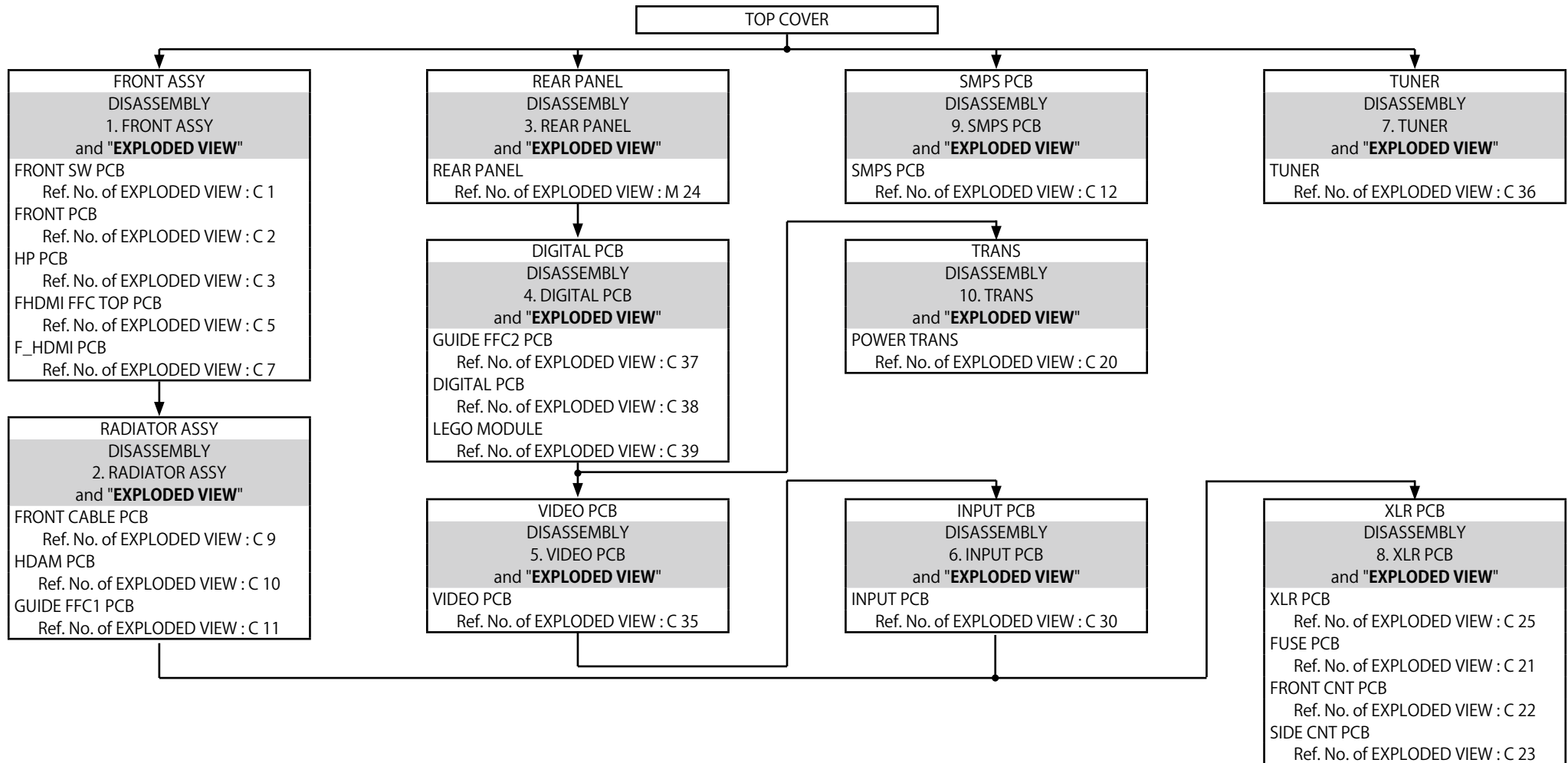
EXPLODED VIEW

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](#)"

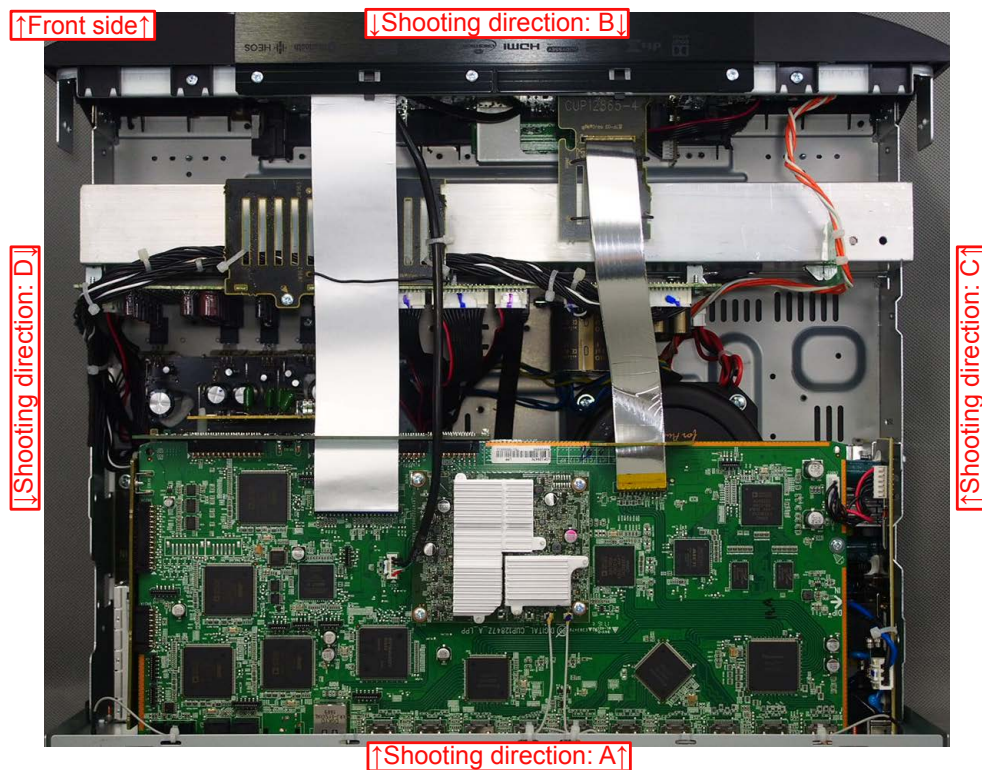


Explanatory Photos for DISASSEMBLY

- 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 AV7703 U are used in this manual.

The viewpoint of each photograph

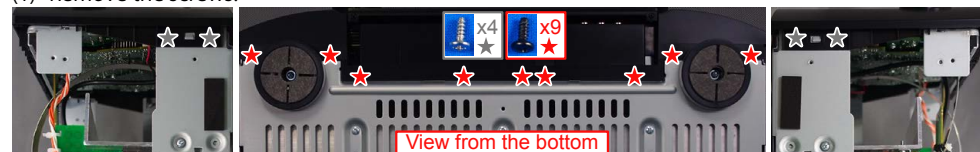
(Shooting direction : X) [View from the top]



1. FRONT ASSY

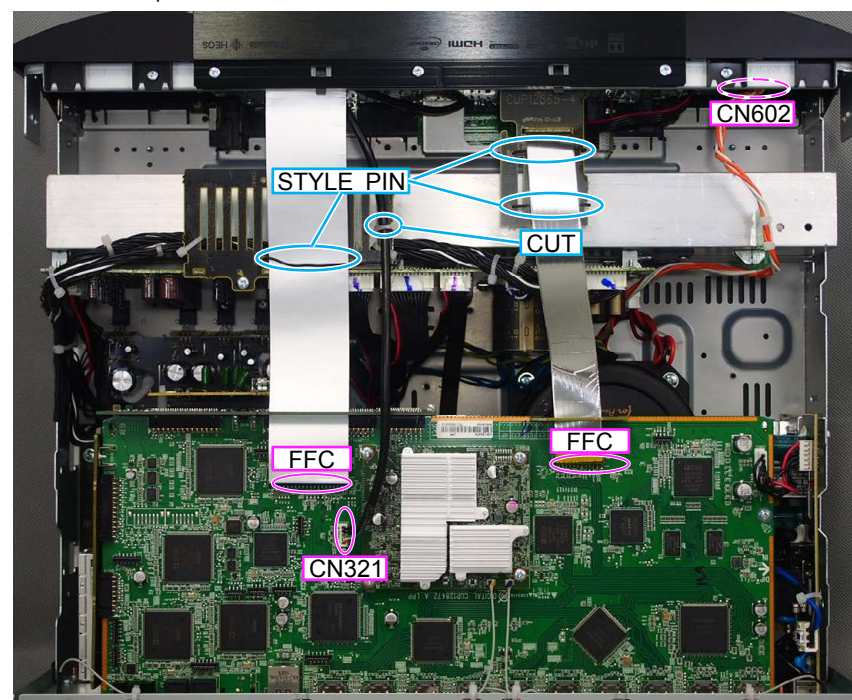
Proceeding : TOP COVER → FRONT ASSY

(1) Remove the screws.



(2) Remove the FFC.

Cut the wire clamp, then remove the STYLE PIN and connector.



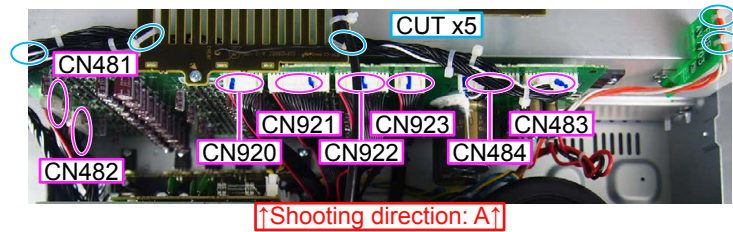
2. RADIATOR ASSY

Proceeding : TOP COVER → FRONT ASSY → RADIATOR ASSY

- (1) Remove the screws.



- (2) Cut the wire clamp, then remove the connector.



3. REAR PANEL

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

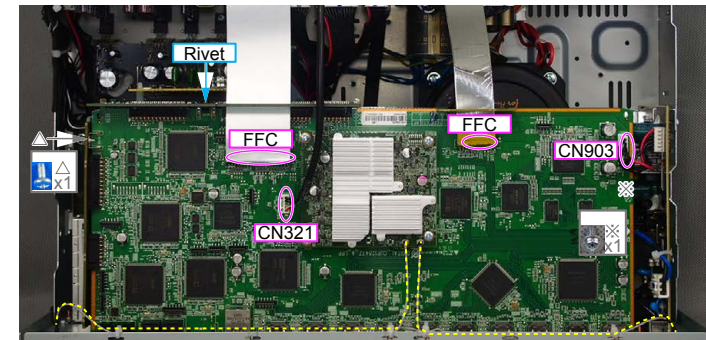
- (1) Remove the screws.



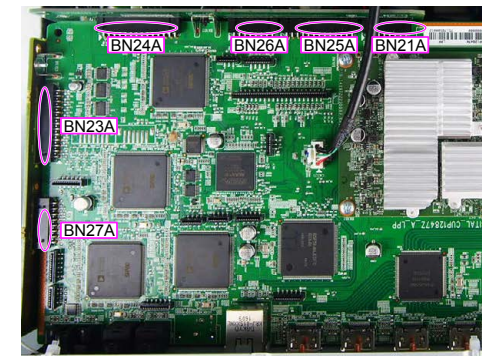
4. DIGITAL PCB

Proceeding : TOP COVER → REAR PANEL → DIGITAL PCB

- (1) Remove the screws. Remove the Rivet. Cut the wire clamp, then remove the connector. Remove the FFC.



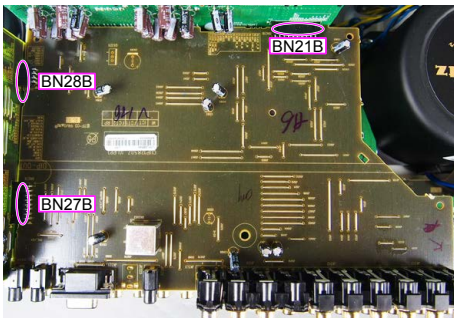
- (3) Remove the connector.



5. VIDEO PCB

Proceeding : TOP COVER → REAR PANEL → DIGITAL PCB → VIDEO PCB

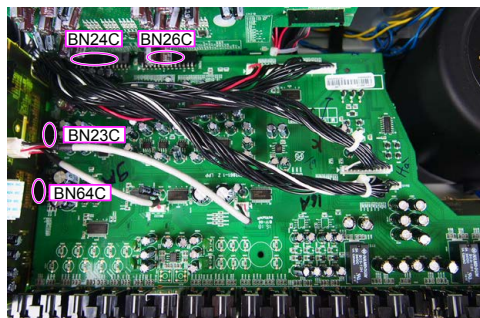
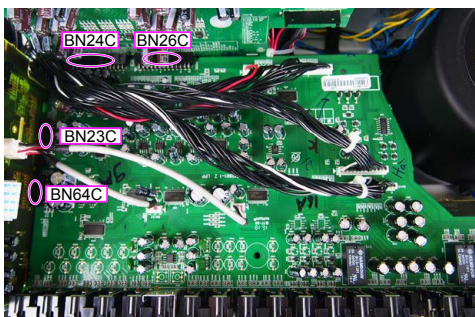
(1) Remove the connector.



6. INPUT PCB

Proceeding : TOP COVER → REAR PANEL → DIGITAL PCB → VIDEO PCB
→ INPUT PCB

(1) Remove the STYLE PINs and connectors.



7. TUNER

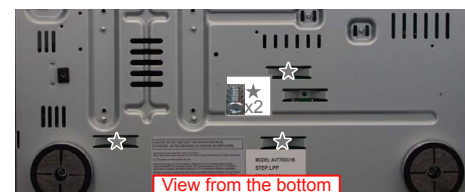
Proceeding : TOP COVER → TUNER

See "EXPLODED VIEW" for instructions on removing the TUNER.

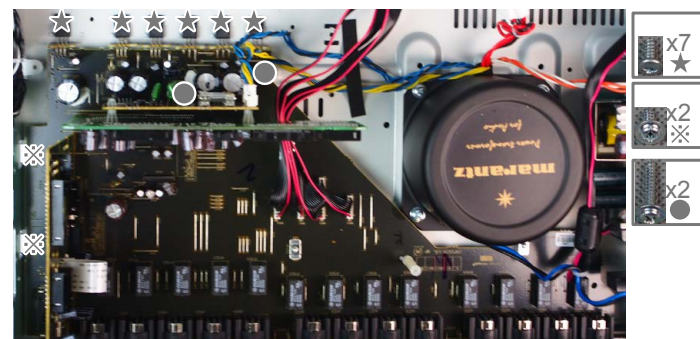
8. XLR PCB

Proceeding : TOP COVER → FRONT ASSY → RADIATOR ASSY → REAR PANEL
→ DIGITAL PCB → VIDEO PCB → INPUT PCB → TUNER
→ XLR PCB

(1) Remove the screws.



(2) Remove the screws.



9. SMPS PCB

Proceeding : TOP COVER → SMPS PCB

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

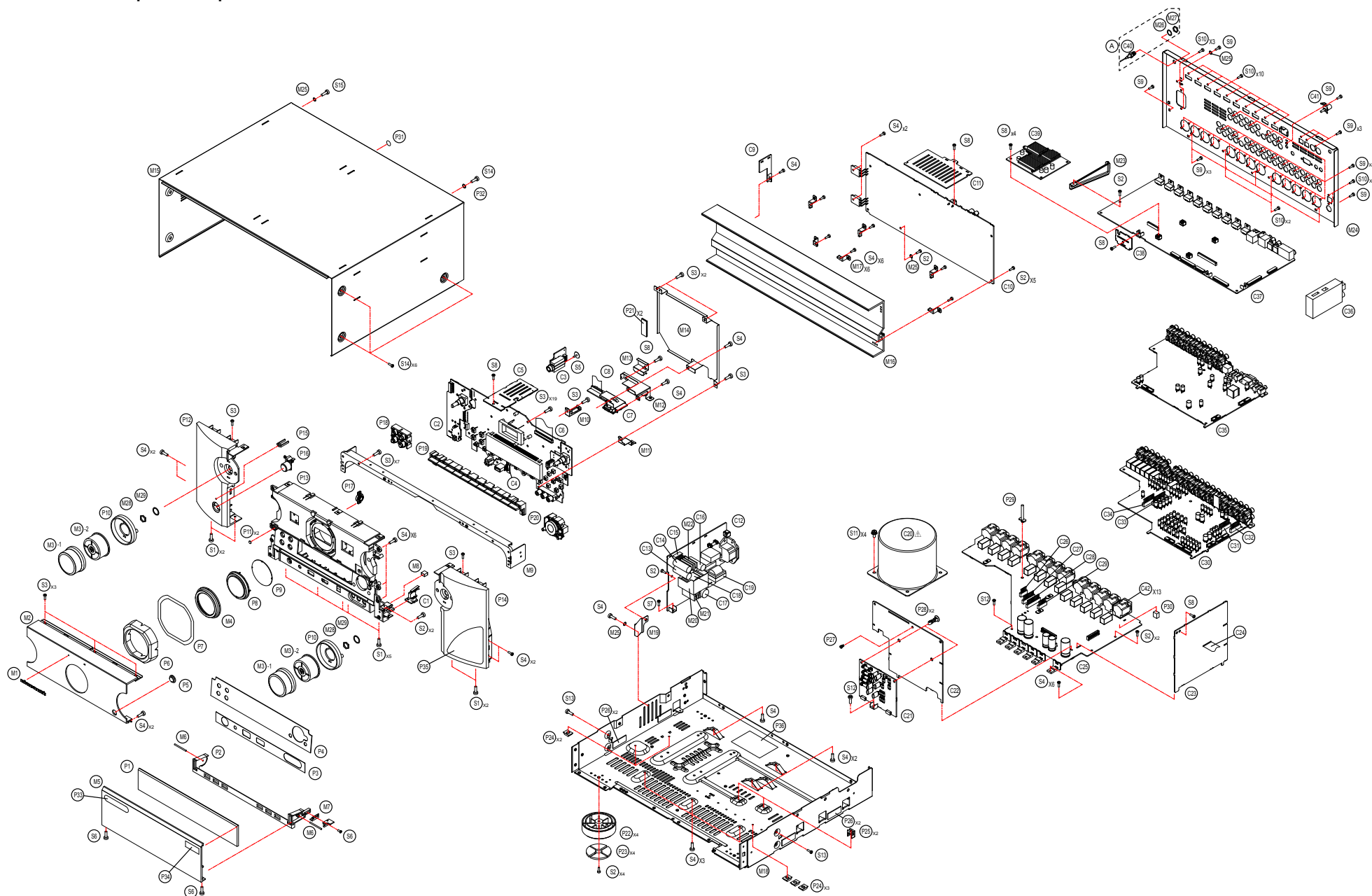
10. TRANS

Proceeding : TOP COVER → REAR PANEL → DIGITAL PCB → TRANS

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

Please see the last chapter for the part list.

Please see the last chapter for the part list.

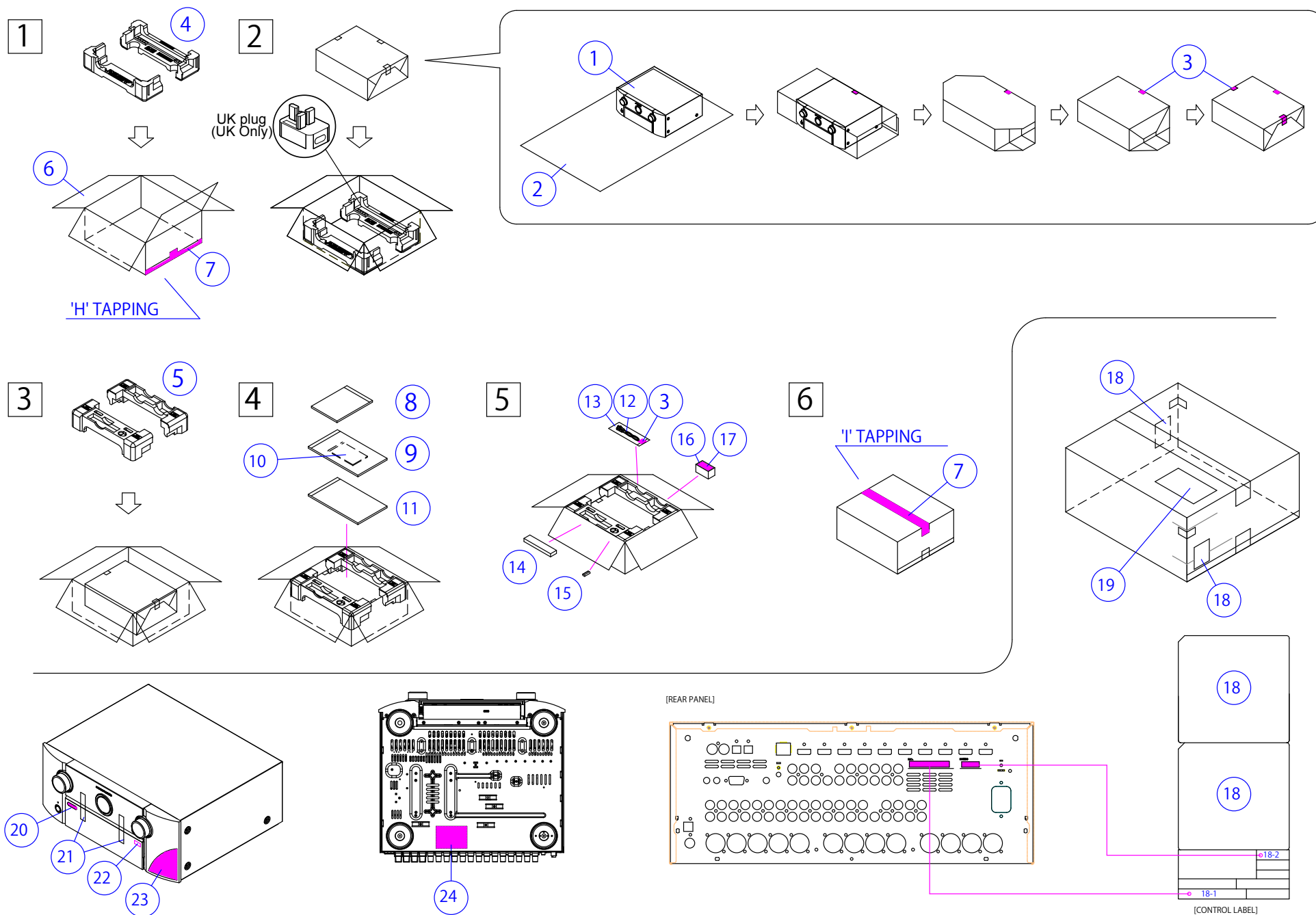


WARNING:
Parts marked with this symbol  have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.



PACKING VIEW

Please see the last chapter for the part list.



Caution in
servicing

Electrical

Mechanical

Repair Information

Updating



REPAIR INFORMATION

TROUBLE SHOOTING

- [1. POWER](#)
- [2. Analog video](#)
- [3. HDMI/DVI](#)
- [4. AUDIO](#)
- [5. Network / Bluetooth / USB](#)
- [6. SMPS](#)

AUDIO CHECK PASS

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. 232C Standby Clear Mode](#)
- [3-3. Operation Info Mode](#)
- [3-4. TUNER STEP mode \(N only\)](#)
- [4. Network Initialization Mode](#)
- [5. Clearing the Operation Info](#)

DIAGNOSTIC MODE

[Service Path Check Mode](#)

[DIAGNOSTIC PATH DIAGRAM](#)

JIG FOR SERVICING

Caution in
servicing

Electrical

Mechanical

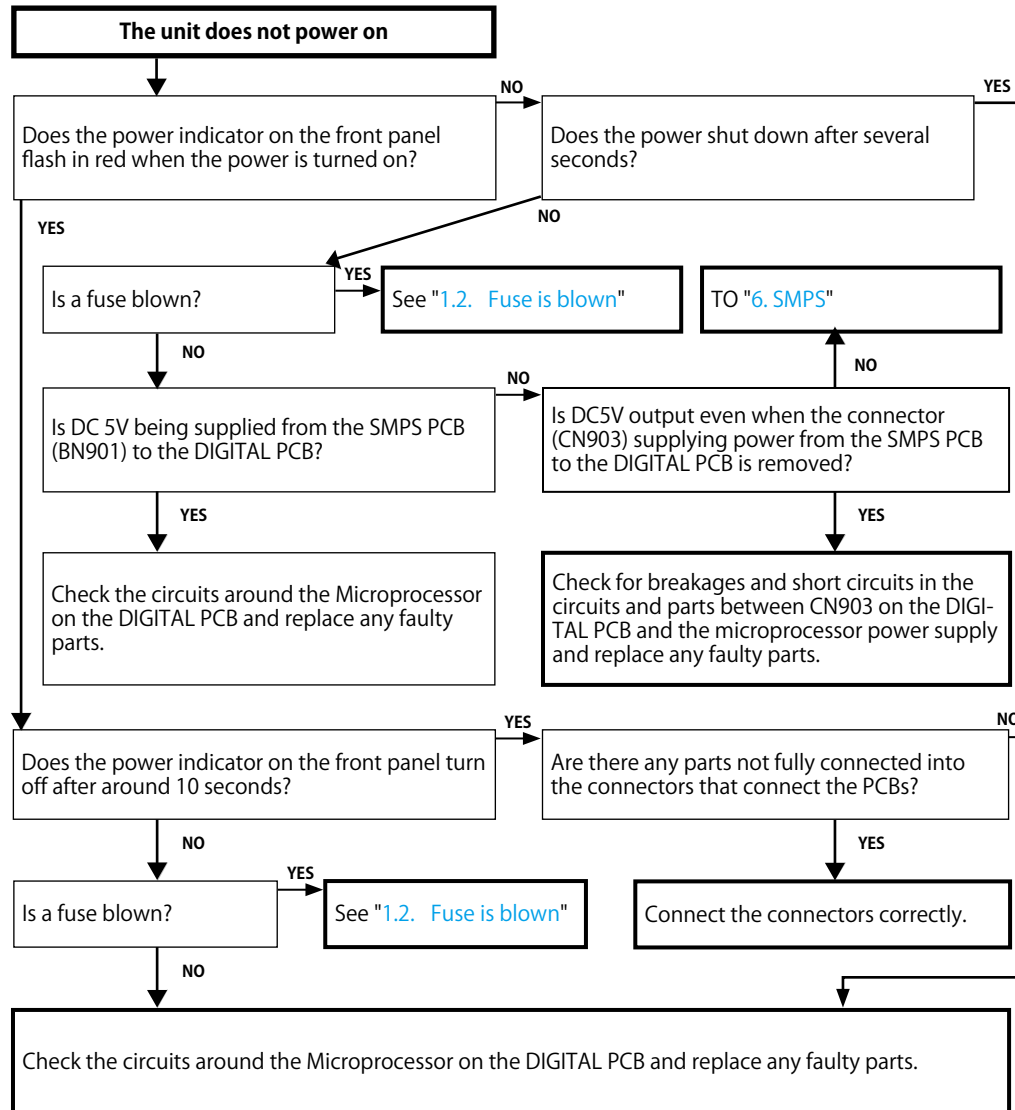
Repair Information

Updating

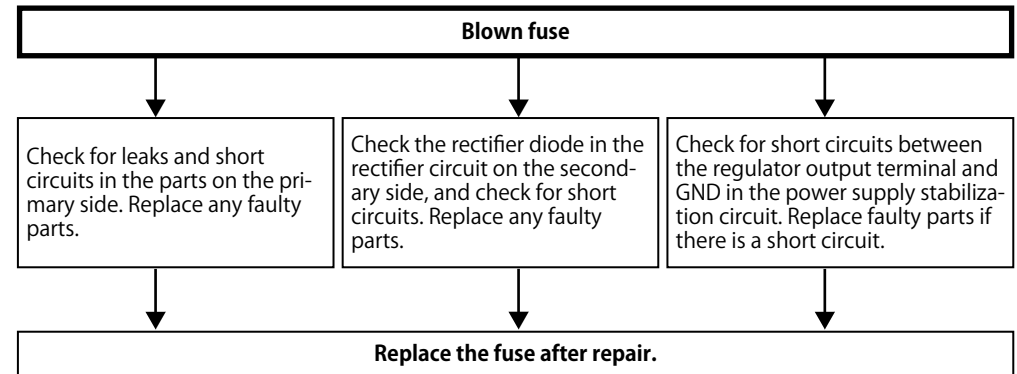


1. POWER

1.1. The unit does not power on



1.2. Fuse is blown



2. Analog video

Perform the operation below beforehand.

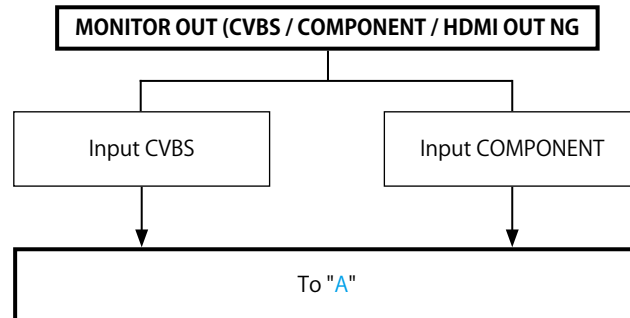
※ Check it whether connection cable and Monitor are normal.

※ VIDEO Convert is set to ON.

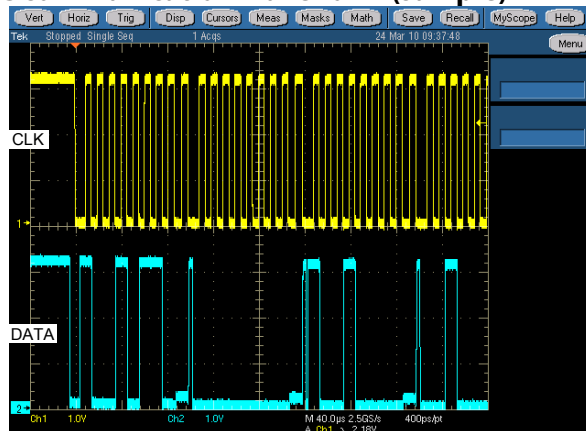
※ Setting as follows.

V : SAT

COMPONENT : SAT



I2C communication wave form (sample)



A

**Input
CVBS / COMPONENT**

Is the power voltage being output correctly?
SIDE CNT PCB
V+5V : CN28B-1 pin
V-5V : CN28B-5 pin

NO

· SIDE CNT PCB (BN77D) connection is faulty.
· REGULATOR (SPEAKER) PCB faulty.

YES

Check of the I2C control signal for video selector
IC (IC511).
DIGITAL PCB
I2C(SCL) : BN21A-5 pin (AVSCL)
I2C(SDA) : BN21A-4 pin (AVSDA)
See "I2C communication wave form (sample)"

NO

DIGITAL PCB faulty.

YES

Does the signal input to the video decoder
(IC351)?
DIGITAL PCB
V : R3527
COMPONENT-Y : R3530
COMPONENT-Cb : R3528
COMPONENT-Cr : R3529

NO

· FRONT CNT board is faulty or inserted incor-
rectly.
(CN21A)
VIDEO PCB faulty. ⇒ TO "B"

YES

· CVBS Monitor Out is NG
· COMPONENT Monitor Out is NG ⇒ To "B"
· HDMI Out is NG ⇒ TROUBLE SHOOTING To "3. HDMI/DVI"

Caution in
servicing

Electrical

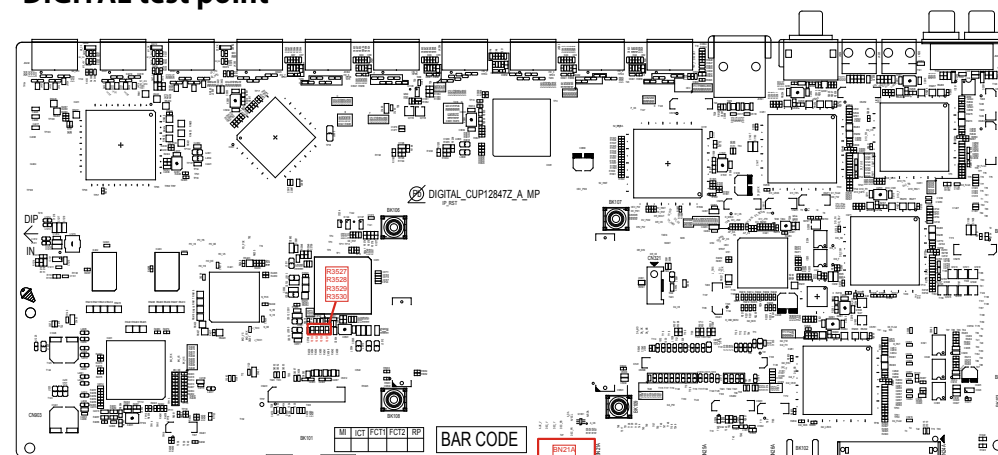
Mechanical

Repair Information

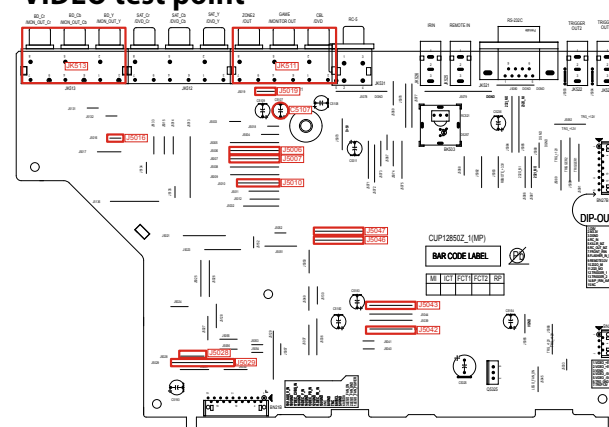
Updating



DIGITAL test point



VIDEO test point



B

VIDEO PCB faulty.

Extend the DIGITAL PCB using the jig.

YES

Check the I2C signal and power supply of the video selector IC.
VIDEO PCB (IC511)
V+3.3V : J5043
V-5V : J5042
I2C(SCL) : J5046
I2C(SDA) : J5047

Power supply IC (IC513) faulty.
SIDE CNT PCB (BN28B) faulty.
Video selector IC (IC511) faulty.

YES

Check the input signal of the video selector IC.
VIDEO PCB (IC511)

V	: C5107
COMPONENT-Y	: J5010
COMPONENT-Cb	: J5007
COMPONENT-Cr	: J5006

IC511 part is faulty.

YES

Check the output signal of the video selector IC.
VIDEO PCB (IC511) to MONITOR to DIGITAL PCB

V	: J5019	BN21B-17pin
COMPONENT-Y	: J5016	BN21B-15pin
COMPONENT-Cb	: J5028	BN21B-13pin
COMPONENT-Cr	: J5029	BN21B-11pin

IC511 soldering problem or IC511 is faulty.

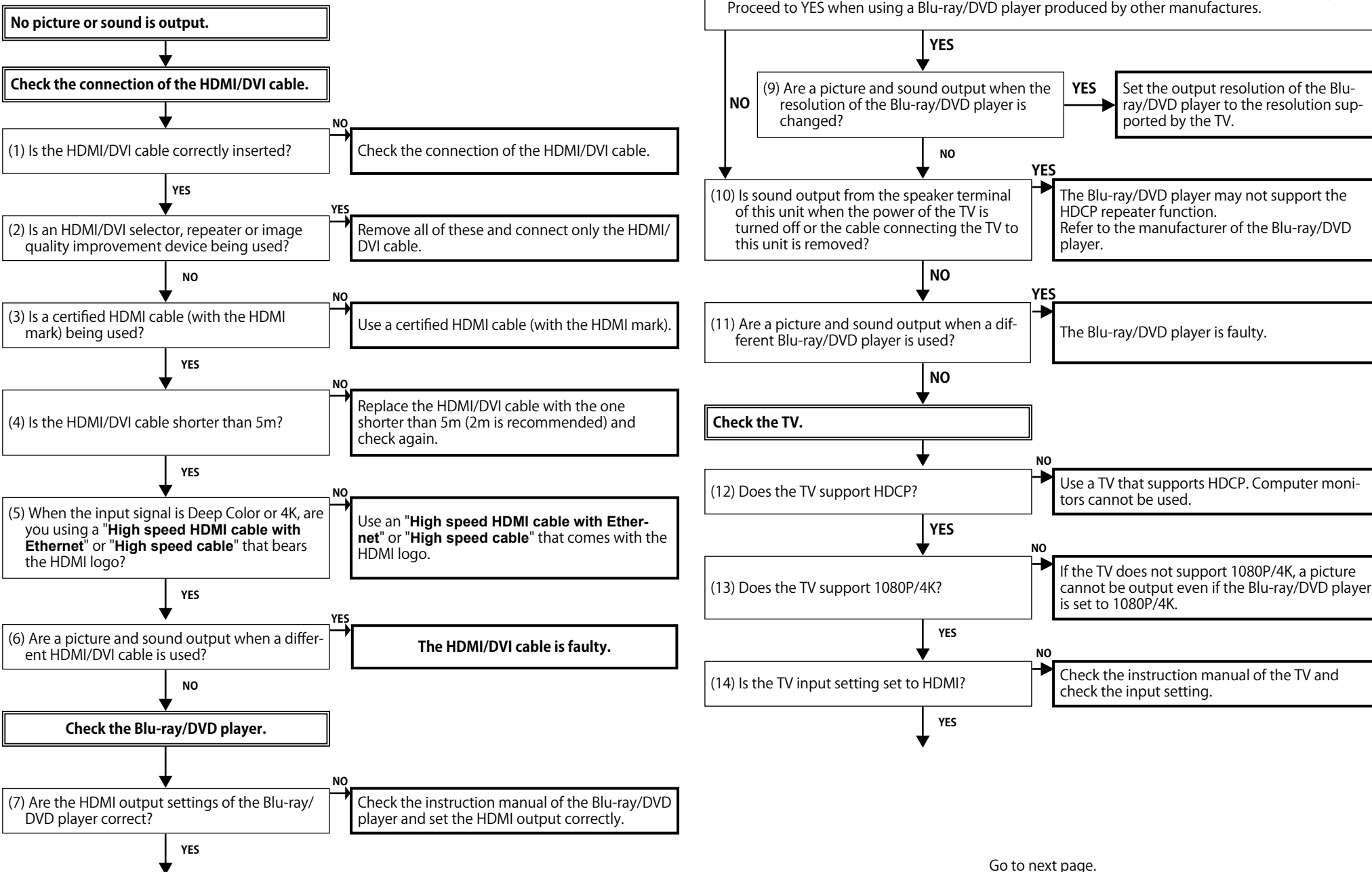
YES

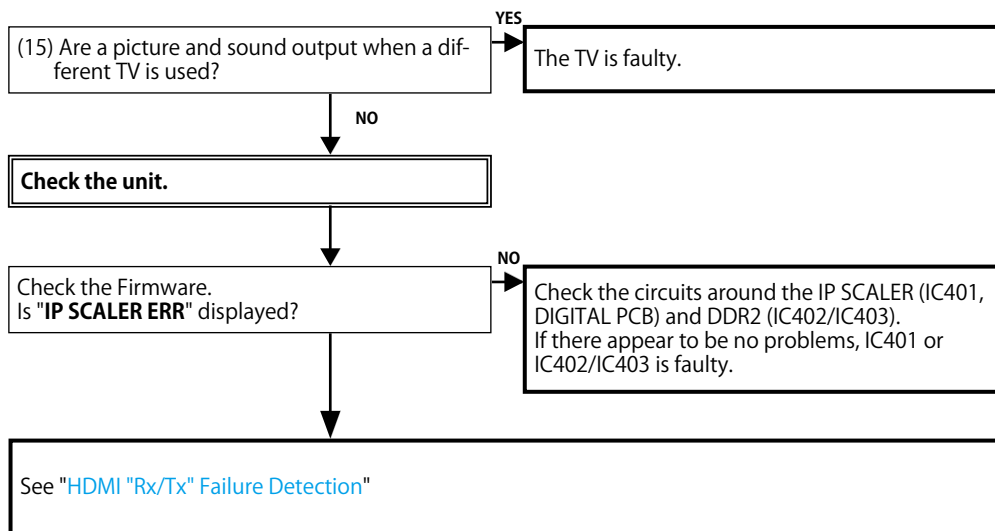
- **MONITOR OUT**
Output connector (JK511 or JK513) or pattern fault
- **HDMI OUT**
FRONT CNT PCB (BN21B) connection is faulty or FRONT CNT PCB pattern is faulty.



3. HDMI/DVI

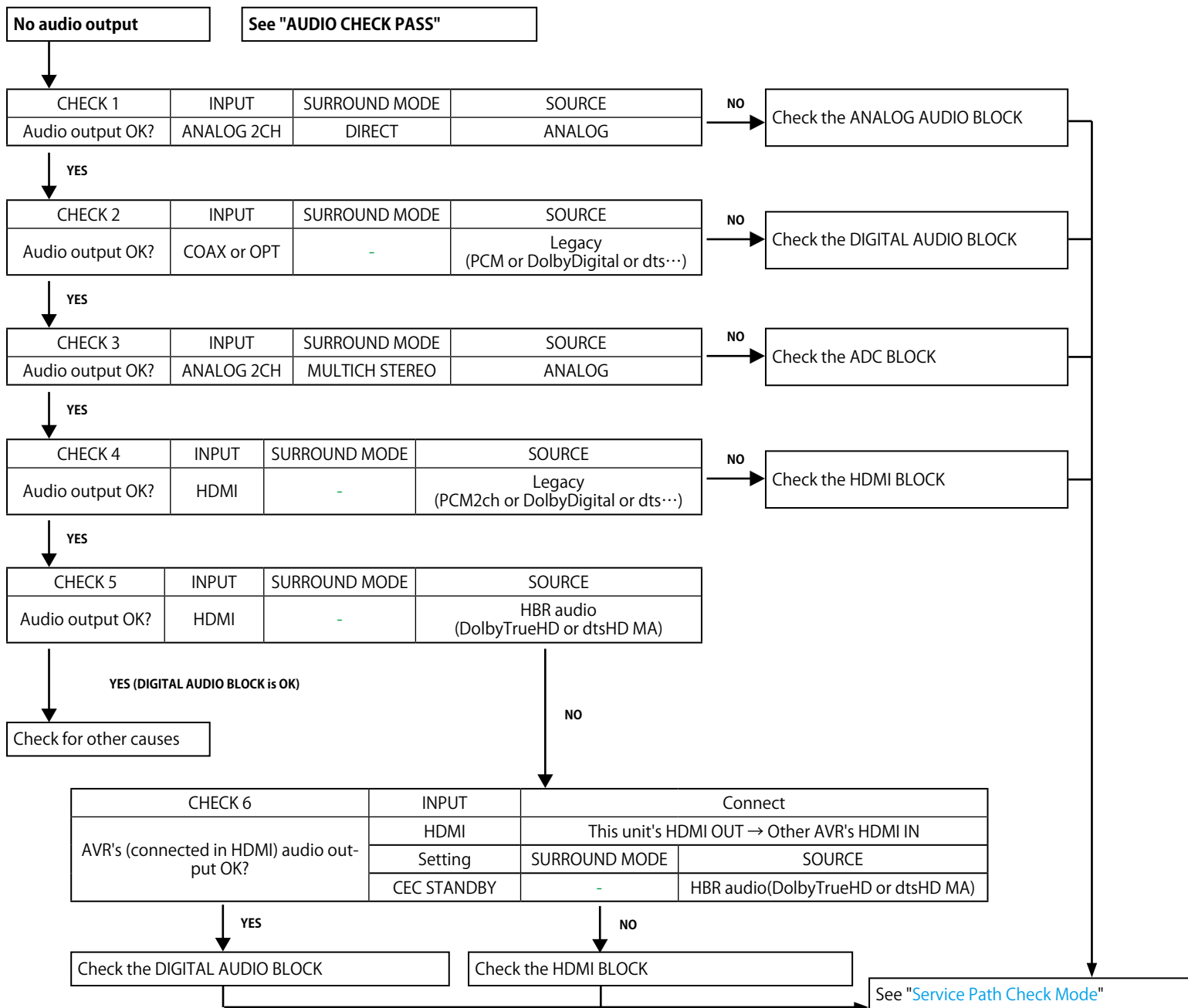
3.1. No picture or sound is output (HDMI to HDMI)



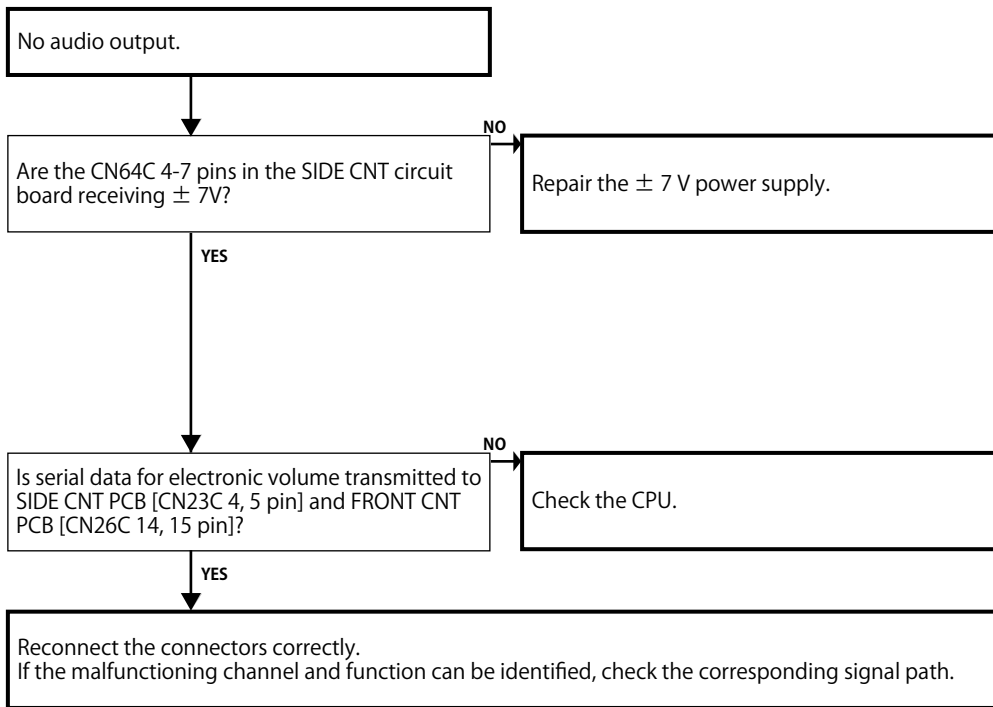


4. AUDIO

4.1. AUDIO CHECK

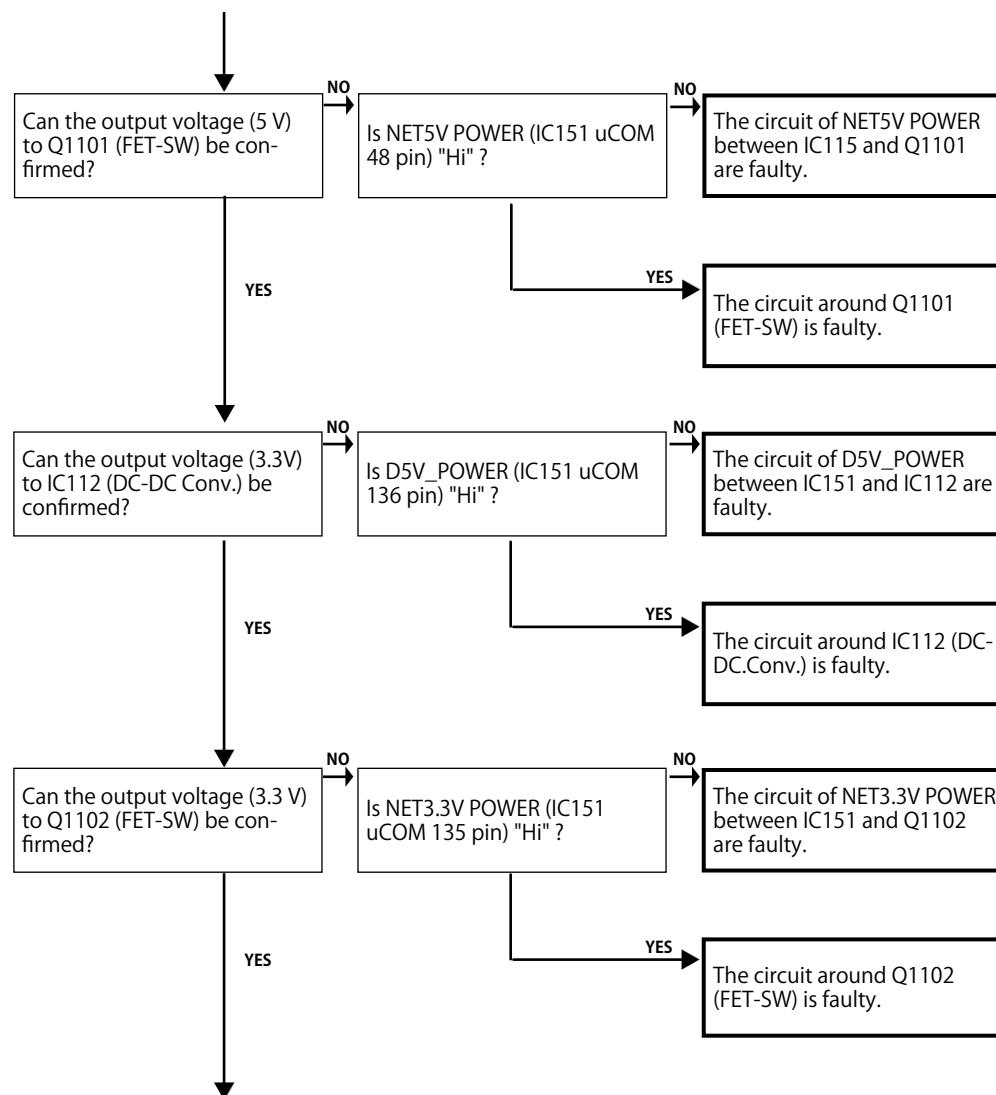
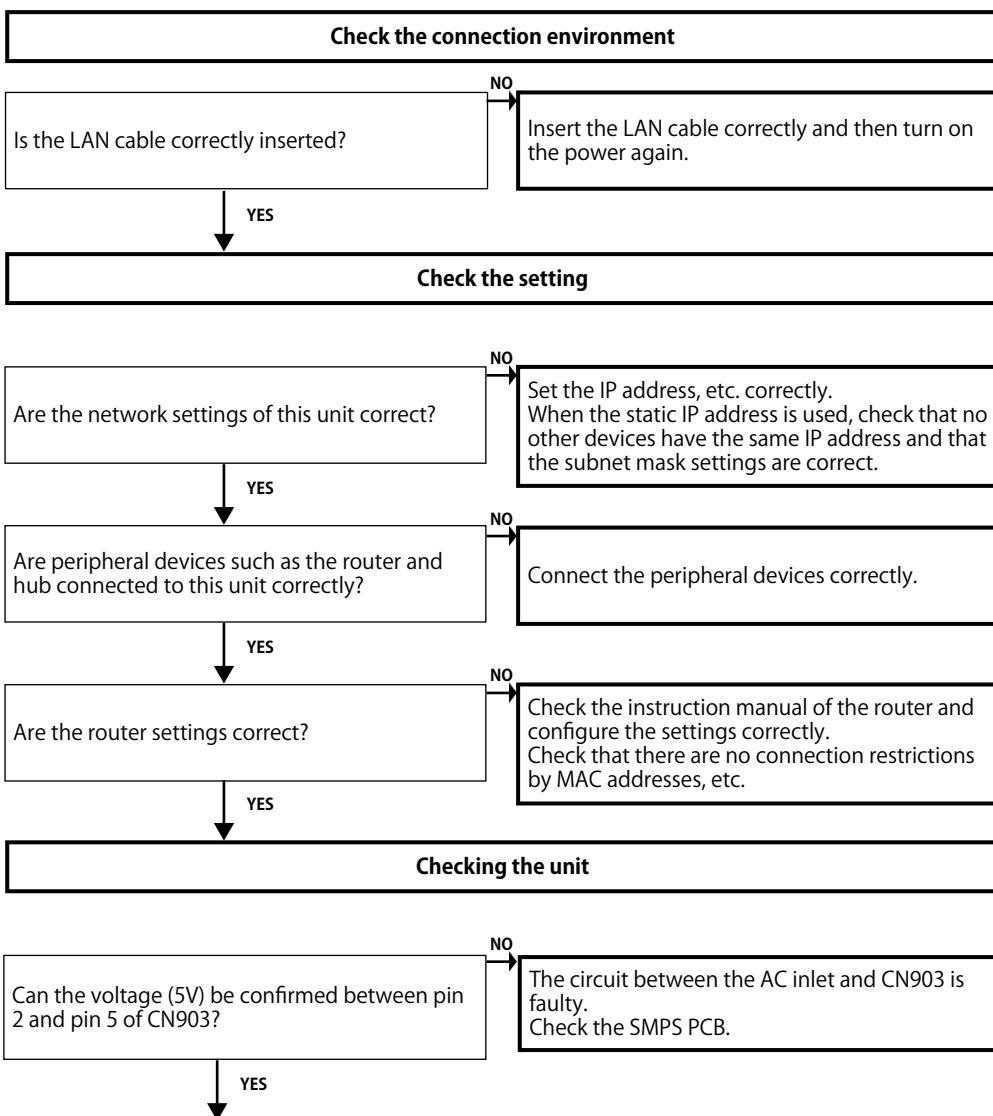


4.2. Analog audio



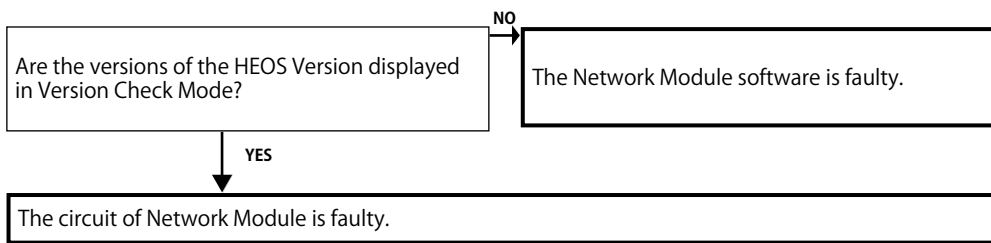
5. Network / Bluetooth / USB

5.1. Cannot connect to the network

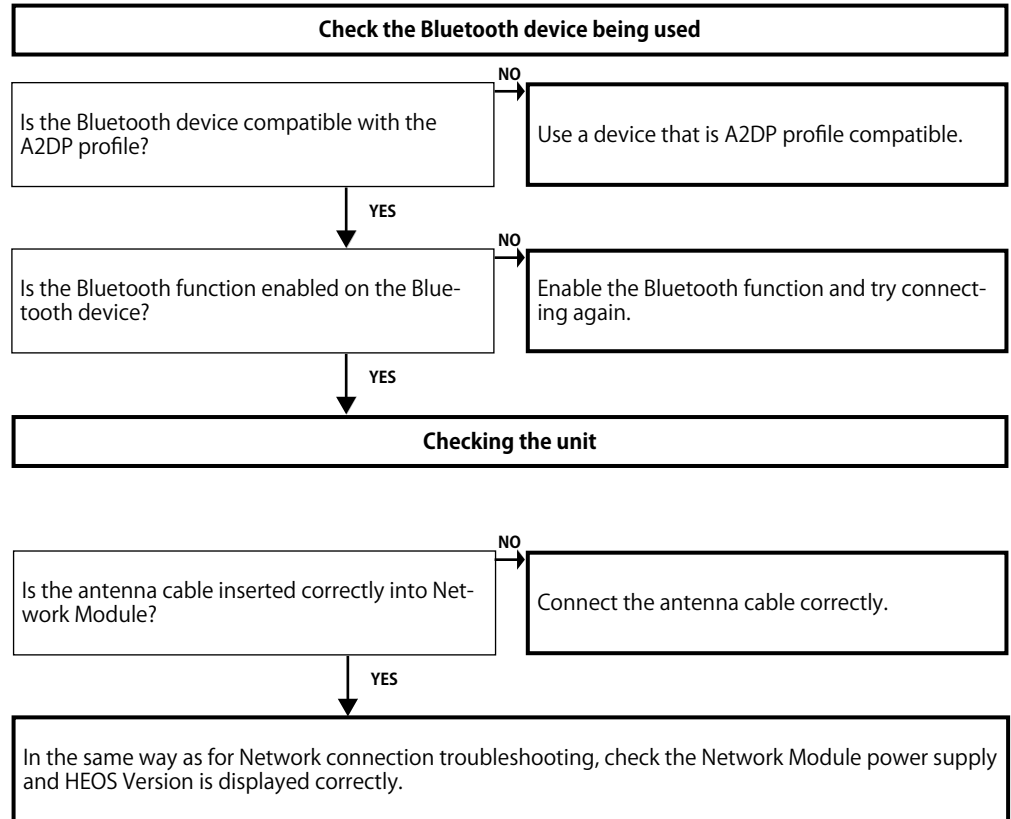


Go to next page.

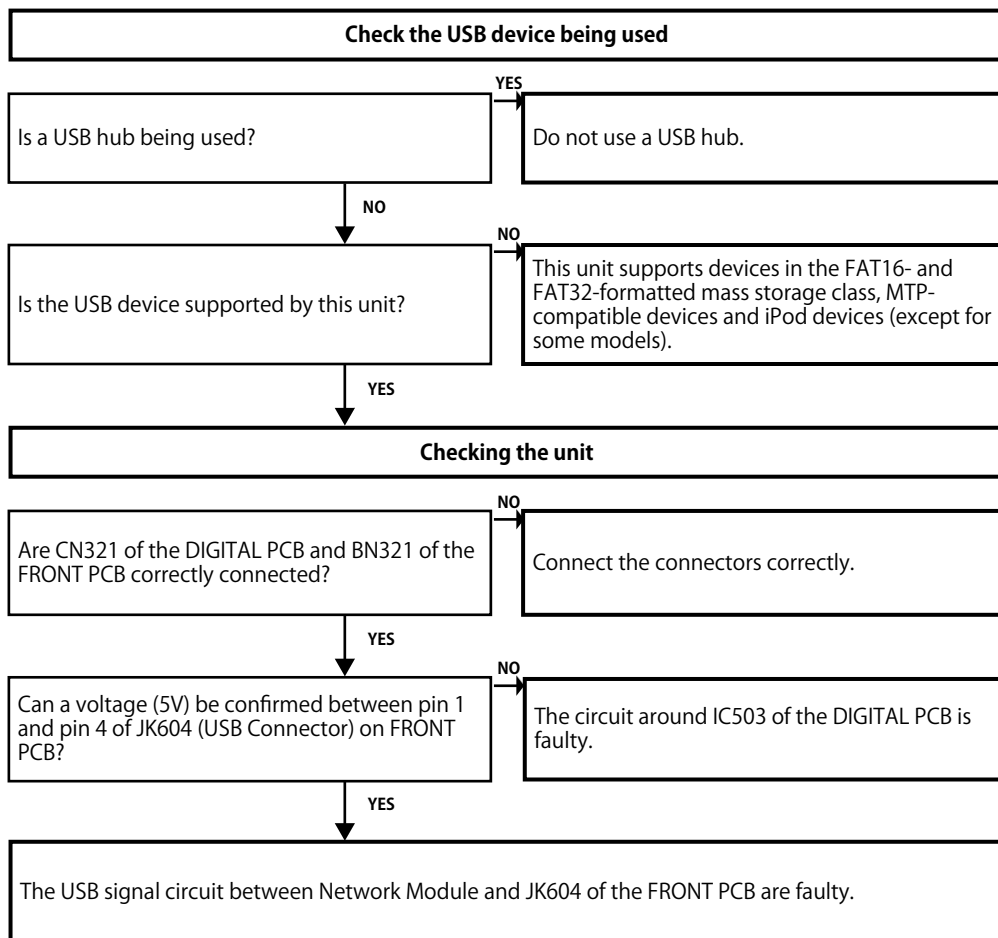




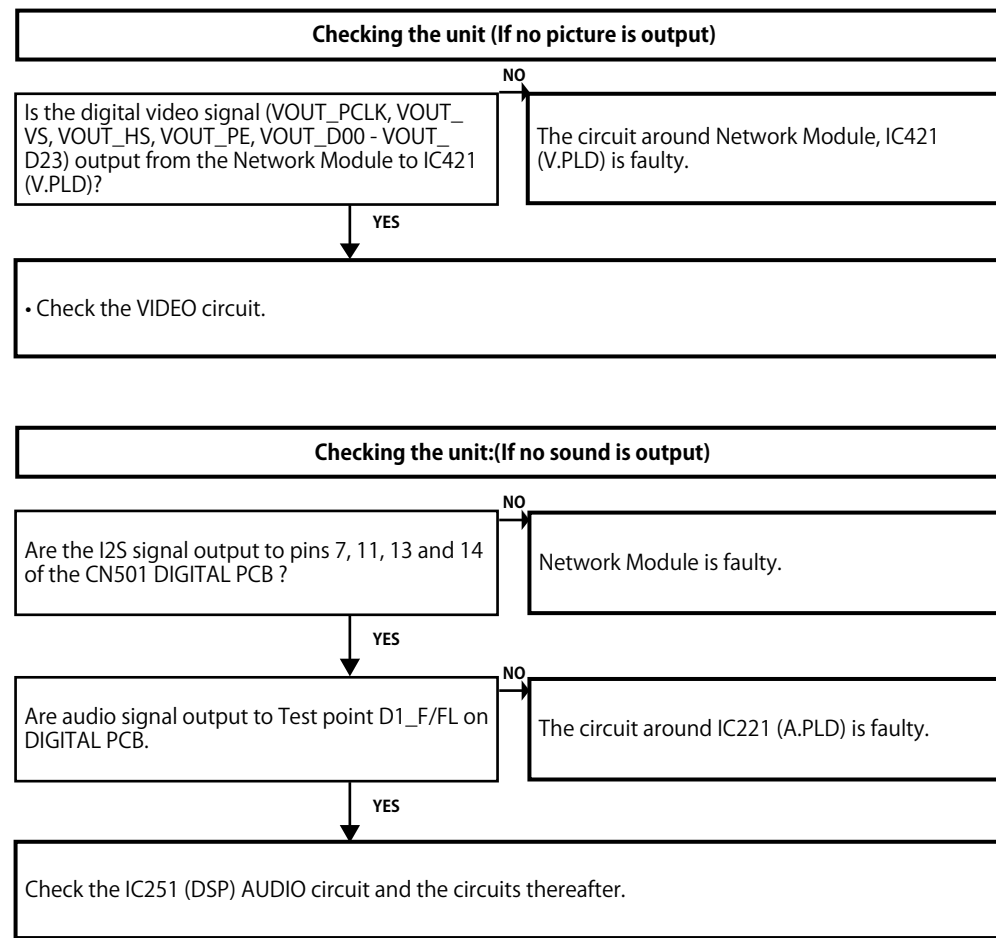
5.2. Cannot establish a Bluetooth connection



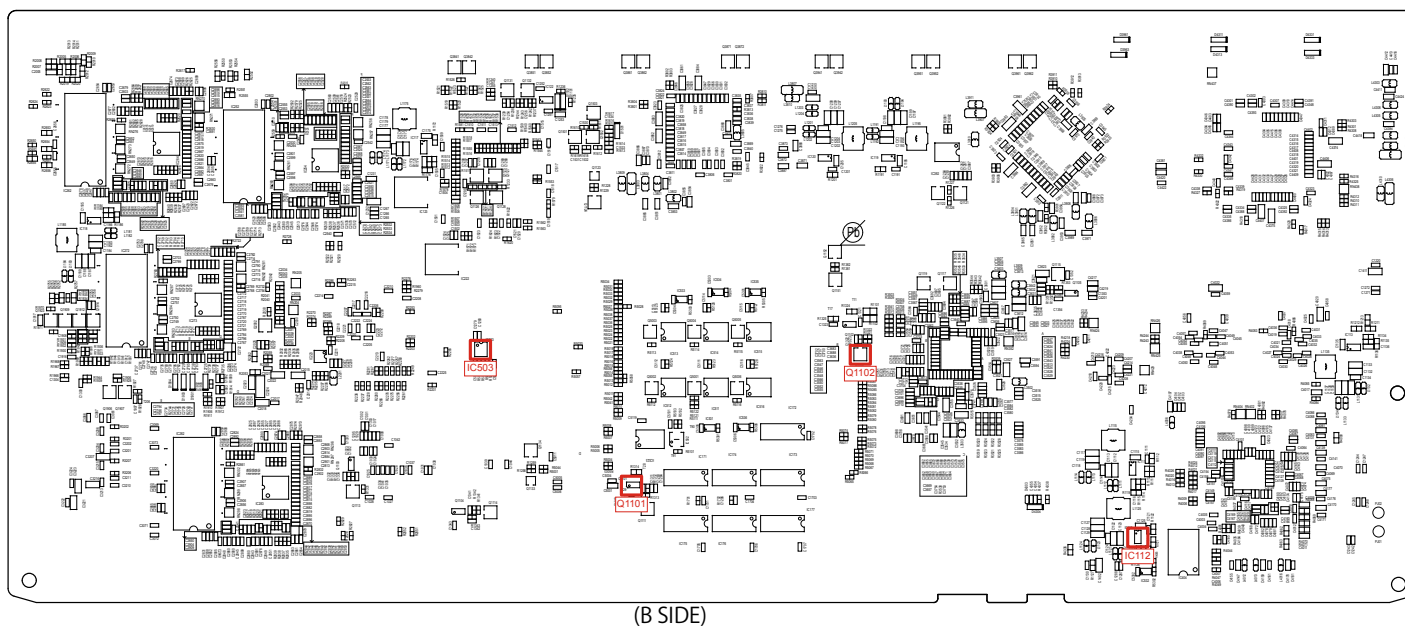
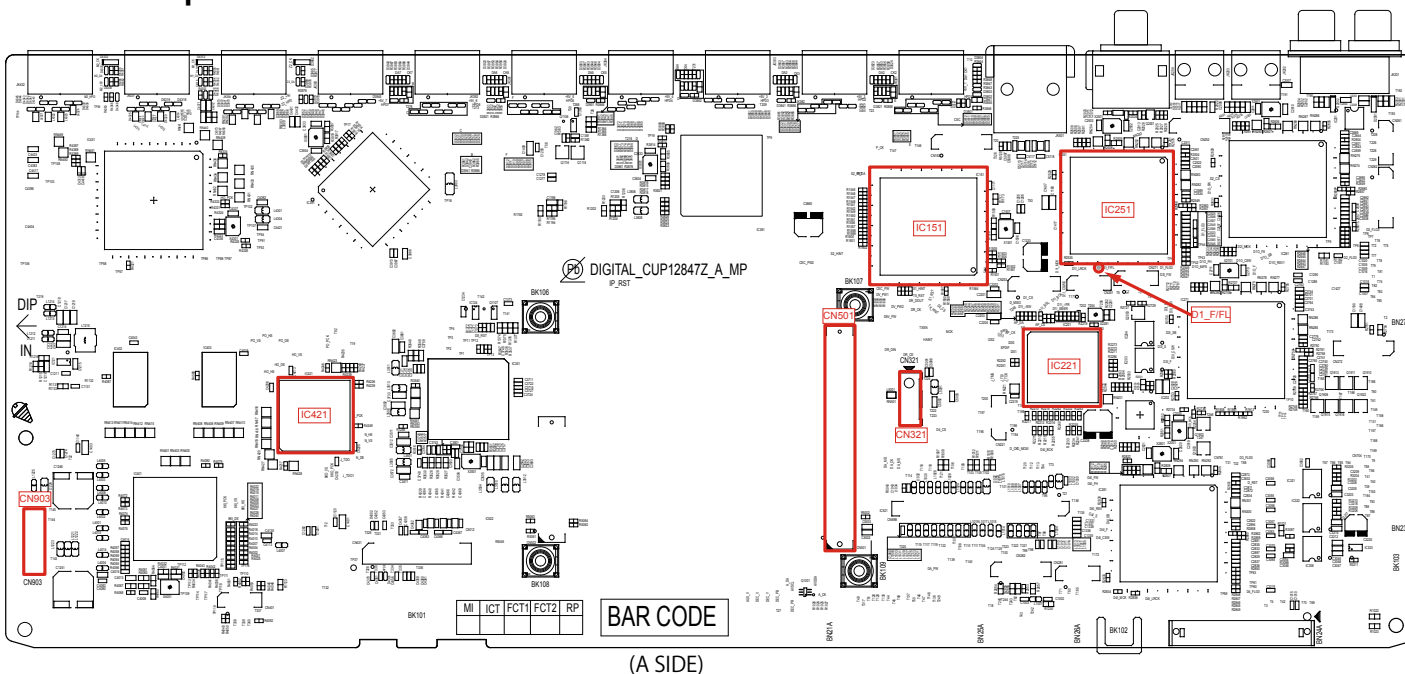
5.3. Cannot recognize the connected USB device



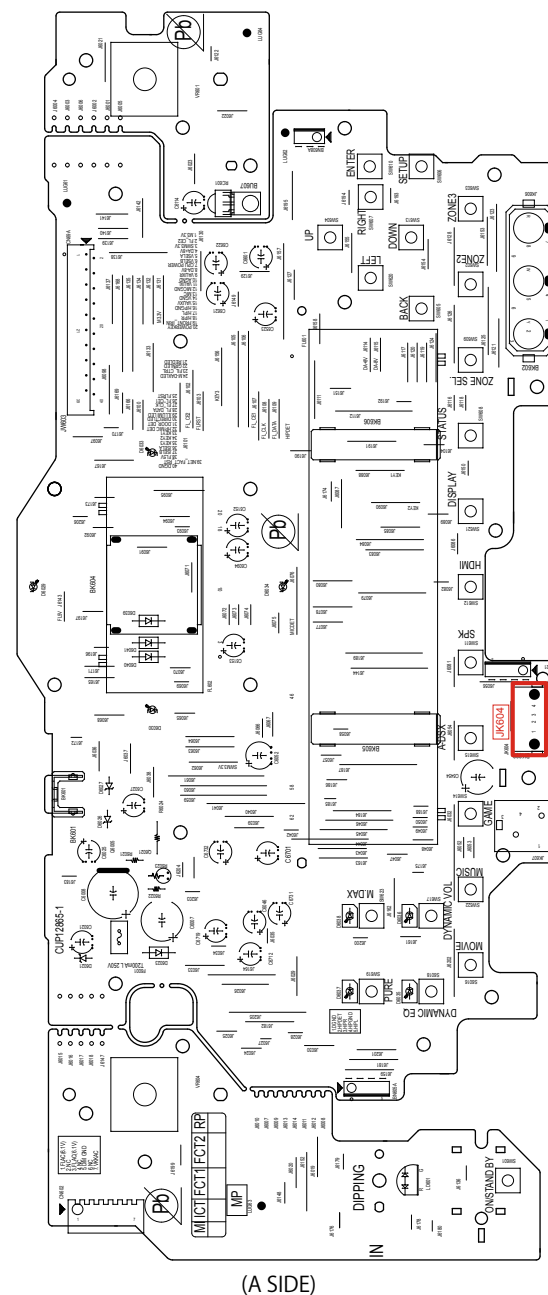
5.4. No picture or sound is output



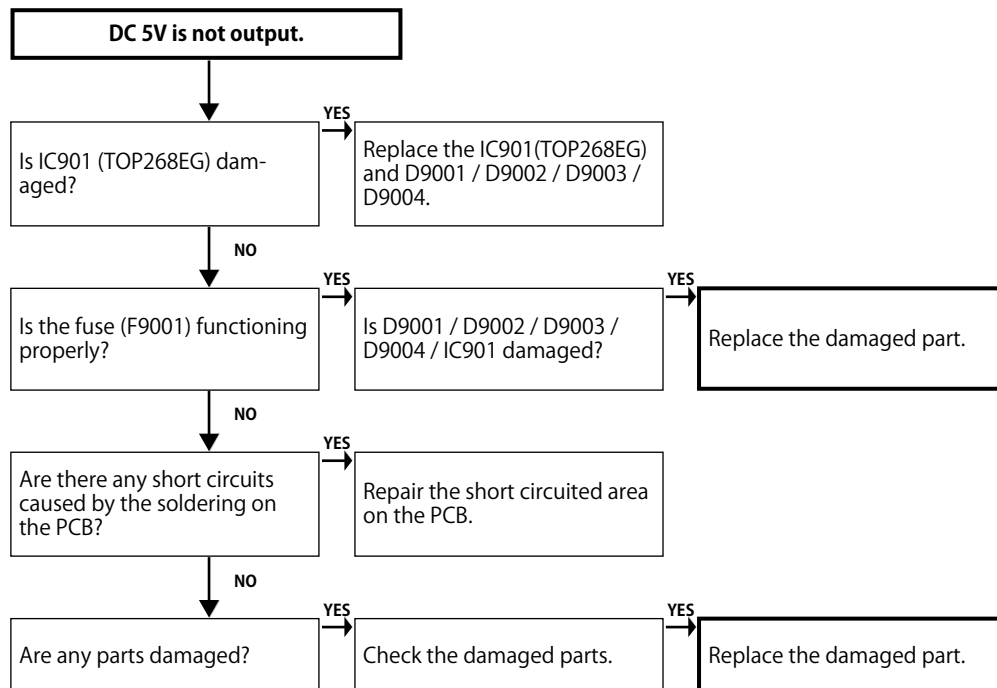
DIGITAL test point



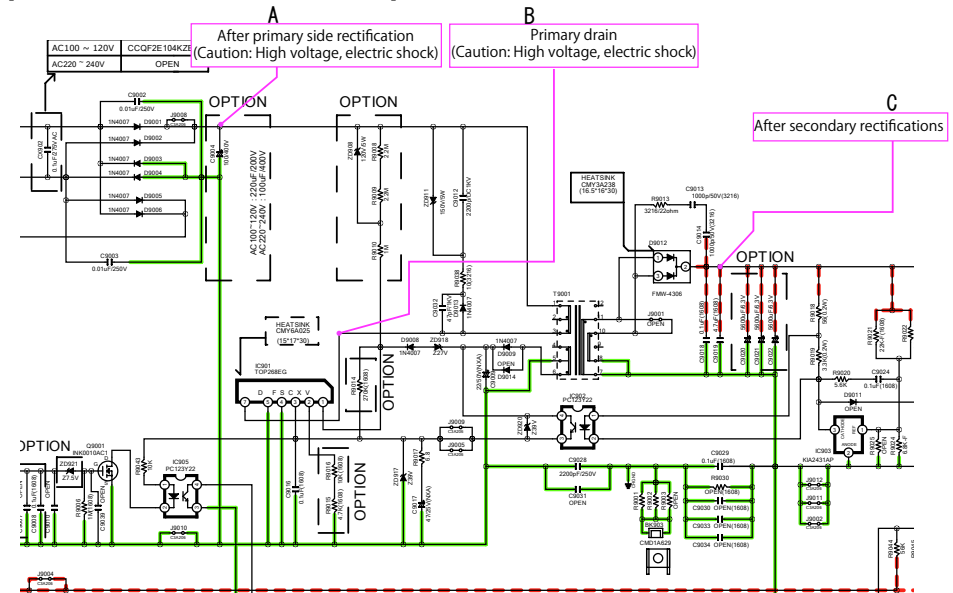
USB test point



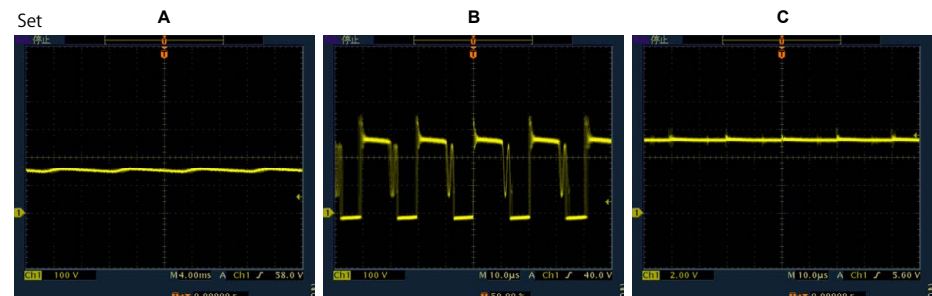
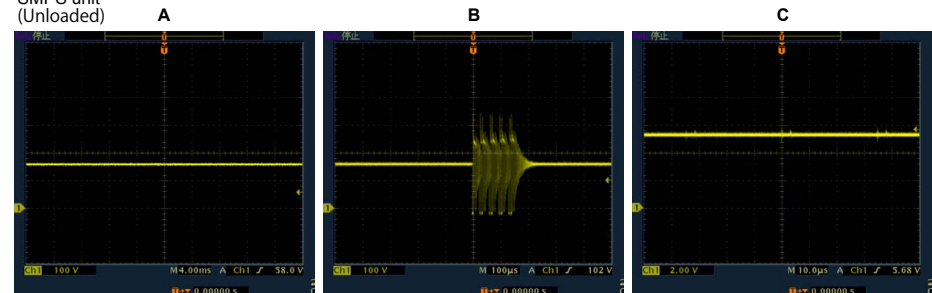
6. SMPS



Operation waveform for each part



SMPS unit (Unloaded)



Caution in servicing

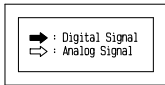
Electrical

Mechanical

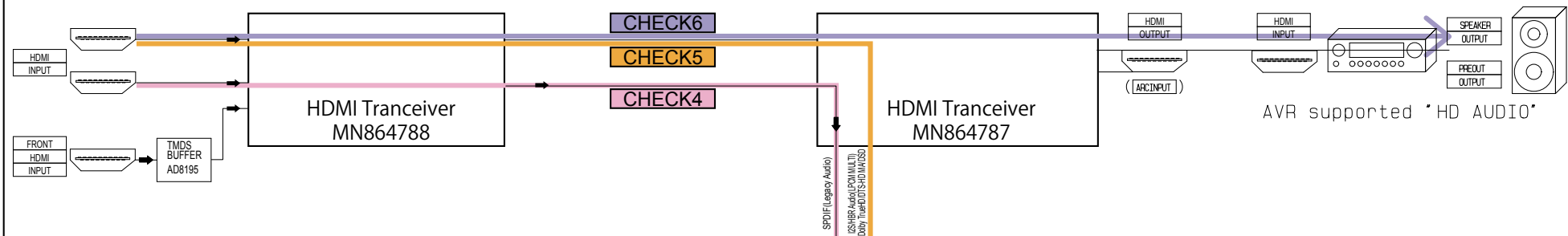
Repair Information

Updating

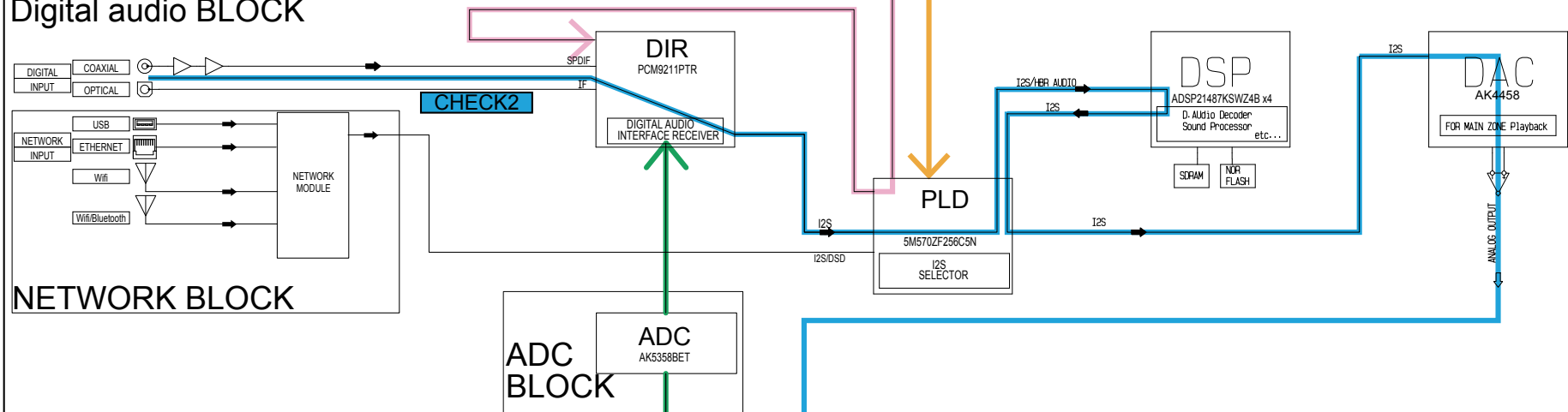




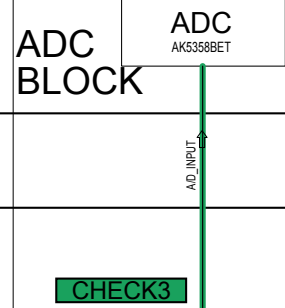
HDMI BLOCK



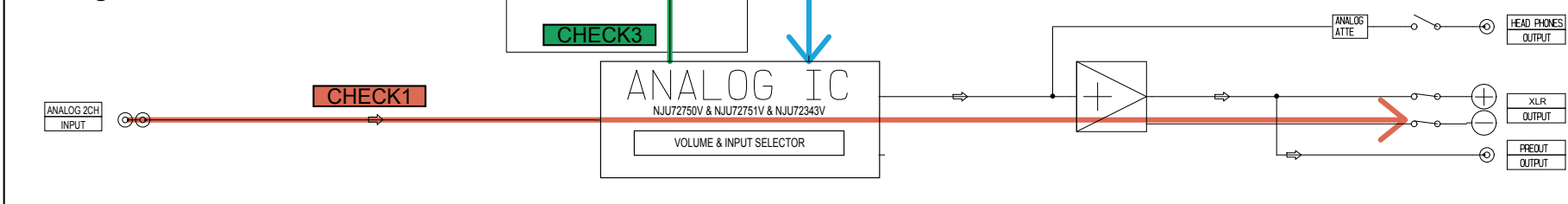
Digital audio BLOCK



NETWORK BLOCK

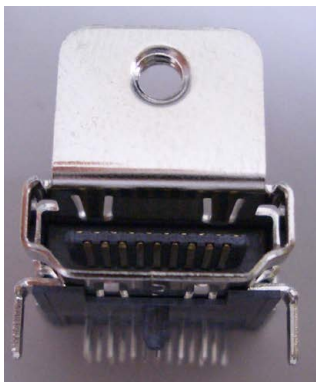


Analog audio BLOCK



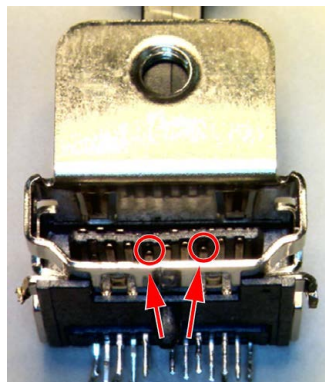
1. Prior checking

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.

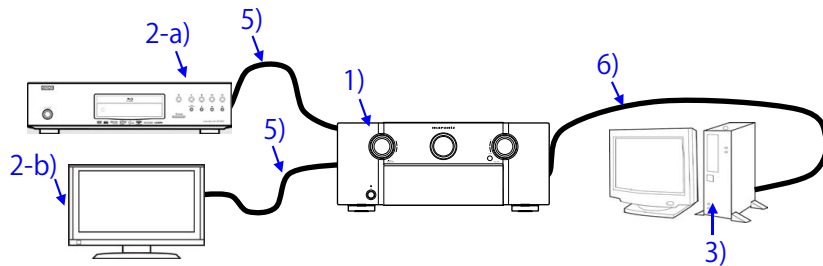


Figure 1-1 Device Connection Method (AV7703)

2-3. Device configuration method

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

After executing Termite.exe, click [Settings].

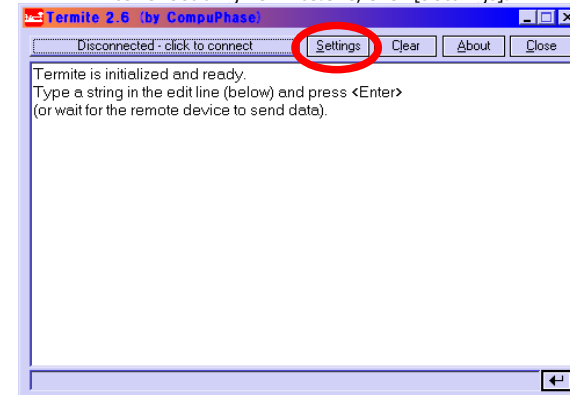


Figure 2 Screen After Executing Termite.exe

The serial port setup screen will be displayed.

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

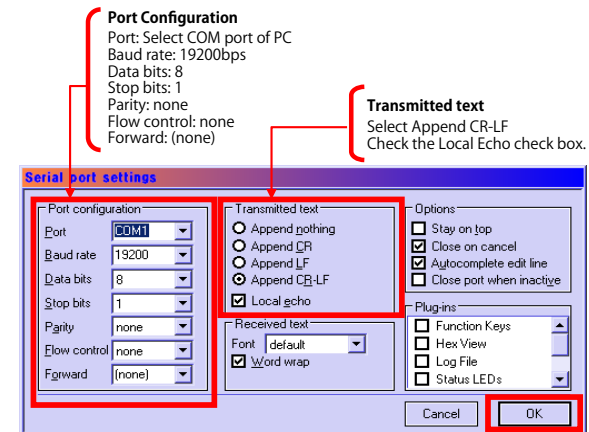


Figure 3 Serial Port Setup Screen

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.

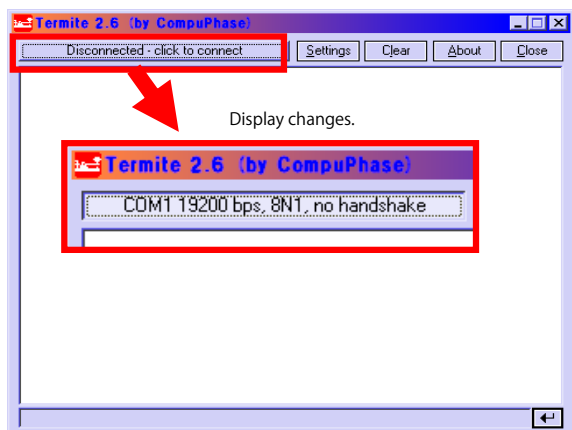


Figure 4 Change of the Display of the Communication Start Button Name

TV settings : Switch to the HDMI input in the AVR connection.
Player settings : Turn the unit power on and configure it to play disks.
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 (AV7703)

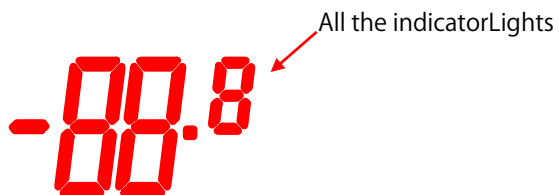


Figure 6 FLD Display When Set

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.)

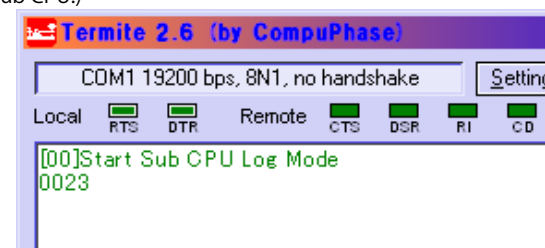


Figure 7 Display of Termite When AVR is Set

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.

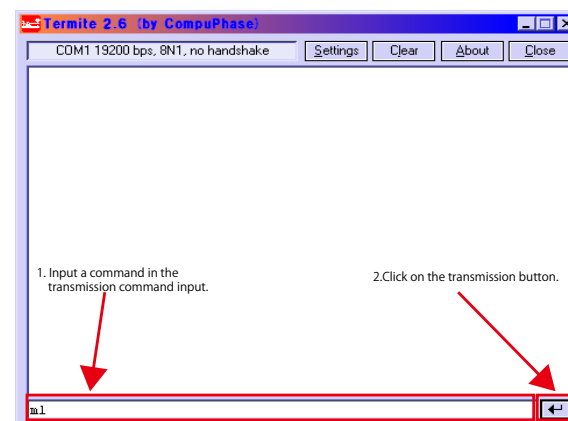
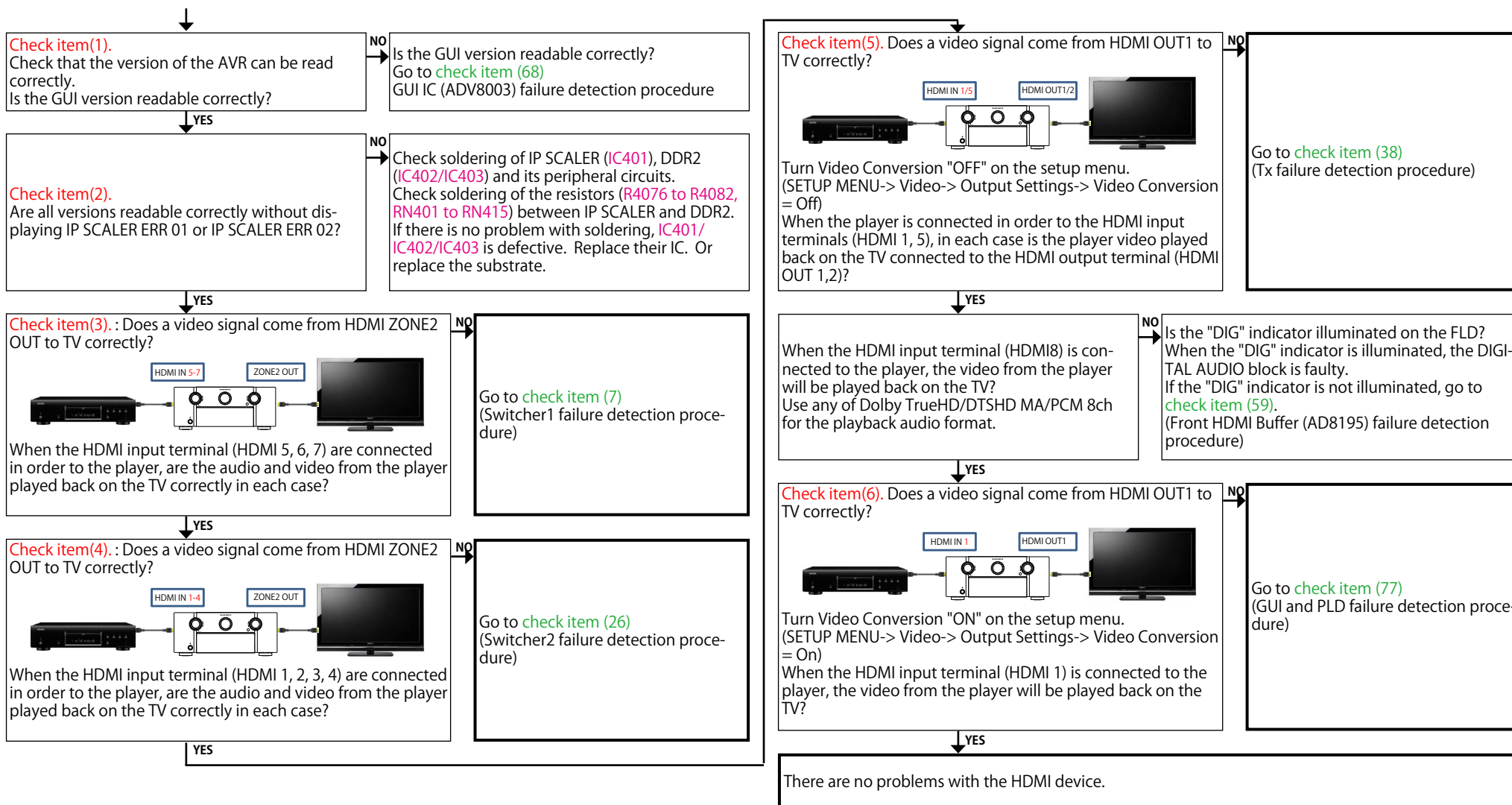


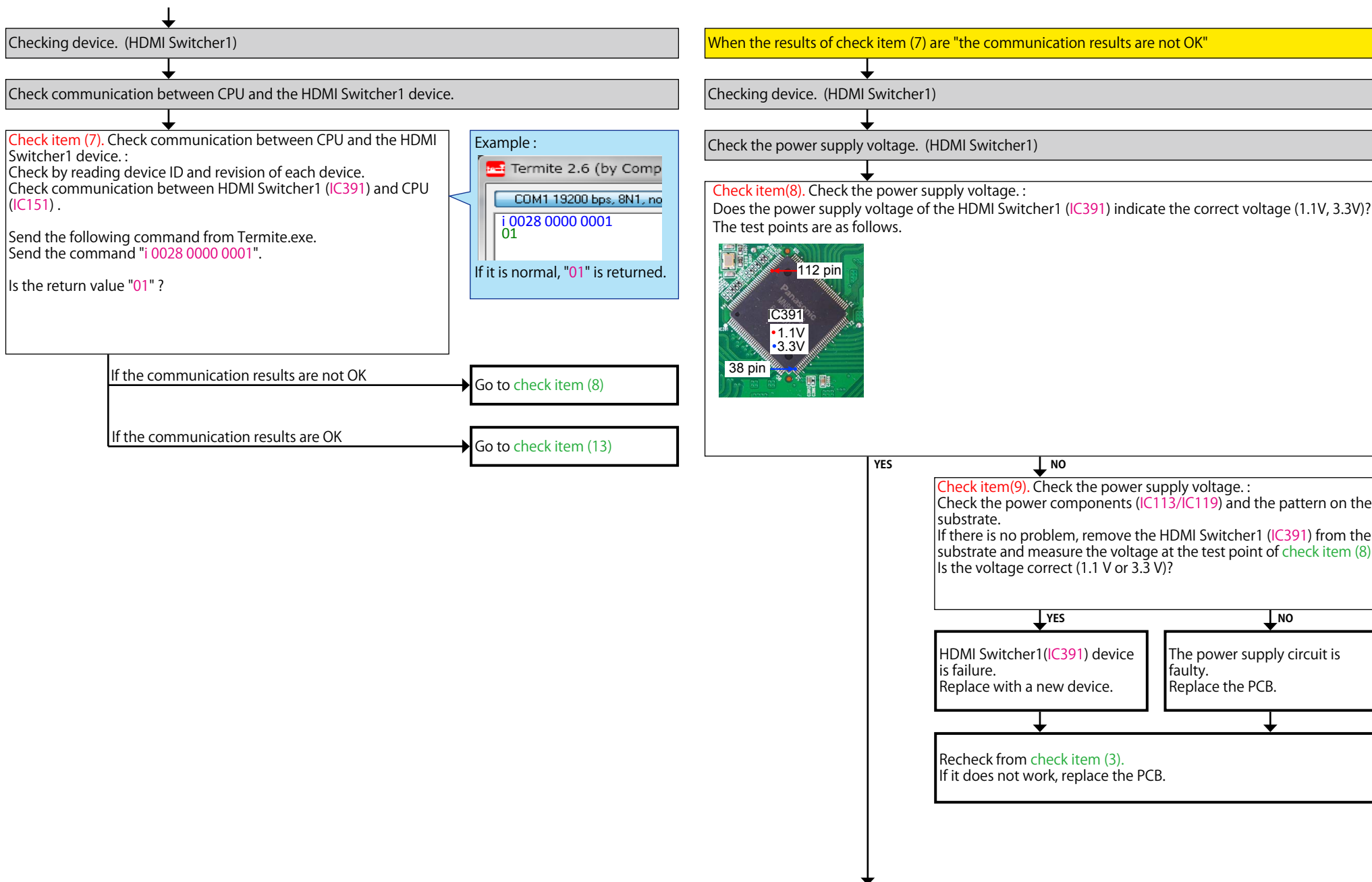
Figure 8 Method for Sending Termite Commands

3. Starting detecting the point of failure

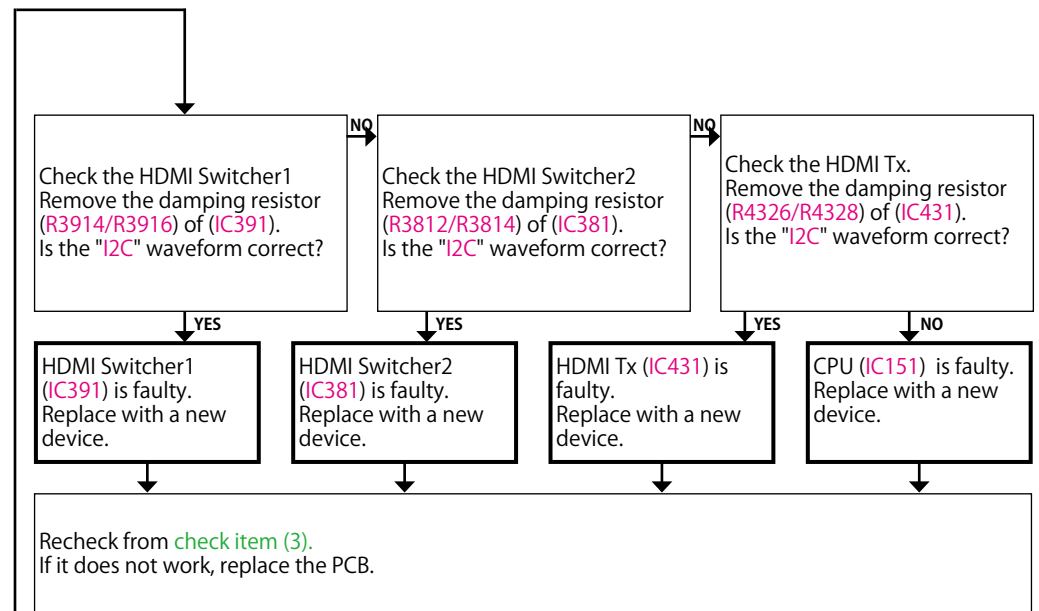
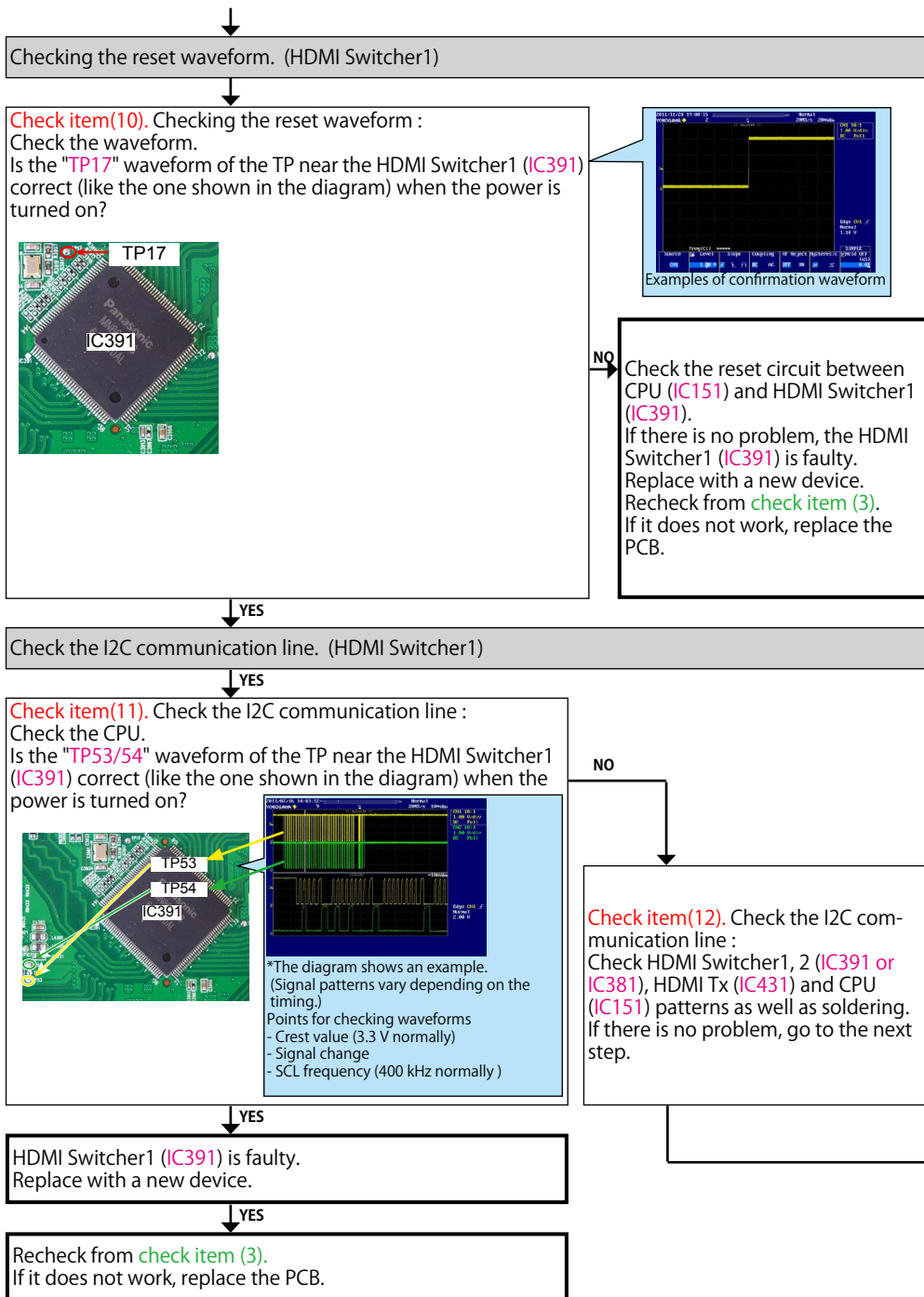
3-1 Check the "HDMI/DVI" item in troubleshooting.



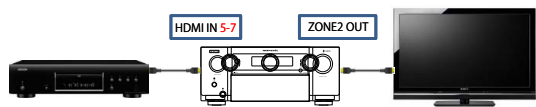
3-2 Switcher1 failure detection procedure



Go to next page.



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



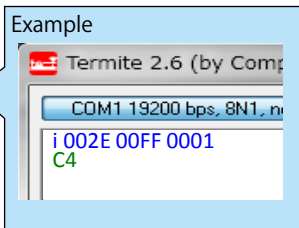
※ In order to check, connect the player to the HDMI terminal and configure the player as AVR source.
Next, turn on the power for the player and TV and start playback on the player.

Checking the +5V/DDC status register (HDMI Switcher1)

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

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

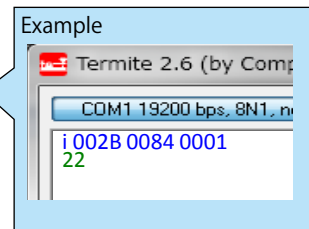
Case of IN5
Is the return value "C4 or C0" ?
(IN6 : "A2 or A0", IN7 : "91 or 90")



YES
NO
Go to **check item (15)**

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

Case of IN5
Send the command "i 002B 0084 0001".
Case of IN6
Send the command "i 002B 0054 0001".
Case of IN7
Send the command "i 002B 0024 0001".



Move to the branch destination according to the value returned.

"00 or 04"
(Detection of DDC is not OK.)

Go to **check item (16)**

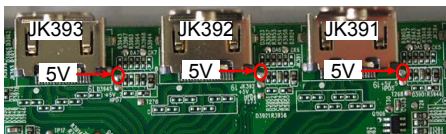
"22 or 11"
(Detection of DDC is OK)

Go to **check item (17)**

When the results of check item (13) are "NO"
(Detection of 5V is not OK)

Check the +5V voltage. (HDMI IN5 - 7)

Check item(15). Check the +5V voltage.
Does the test point near HDMI input terminal (JK391/JK392/JK393) indicate 5V?



YES

HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

NO

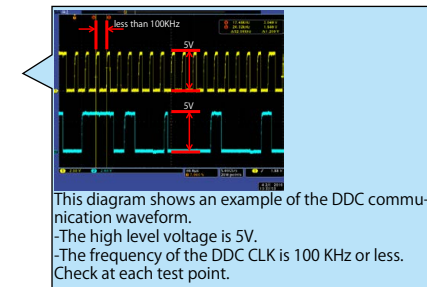
Check for a short circuit in the 5 V line and the 5 V Switch IC (IC392).
If there is no problem, the HDMI Switcher1 (IC391) or the 5 V Switch IC (IC392) is faulty.
Replace with a new device.

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 IN5 - 7)

Check item(16). Check the DDC line :
Are waveforms of "DDCSCK" and "DDCSDA" observed at the test point near the HDMI input terminal(JK391/JK392/JK393)?



YES

HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

NO

Check for a short circuit in the DDC line.
If there is no problem, the HDMI Switcher1 (IC391) 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 or 11"
(Detection of DDC is OK.)

Checking the TMDS status register (HDMI Switcher1)

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

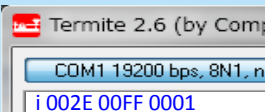
Send the following command from Termite.exe.

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

When the following value is returned, go to Yes.
HDMI IN5 "C4", HDMI IN6 "A2", HDMI IN7 "91"

When the following value is returned, go to No.
HDMI IN5 "C0", HDMI IN6 "A0", HDMI IN7 "90"

Example



NO

YES

Checking the HPD/RXSENSE status register. (HDMI ZONE2 OUT)

Check item(19). Check the HPD and RXSENSE register value of the device.

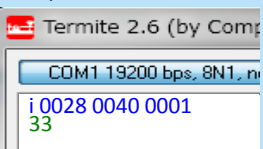
Send the following command from Termite.exe.

Send the command "i 0028 0040 0001".

Check the value.

Move to the branch destination according to the value returned.

Example



If it is normal, "33" is returned.
The correct resistor value cannot be checked if the AVR and TV are not connected by HDMI.

"33 or 23 or 13 or 03"

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

Go to check item (20)

"31 or 21 or 11 or 01"

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

Go to check item (23)

"32 or 22 or 12 or 02"

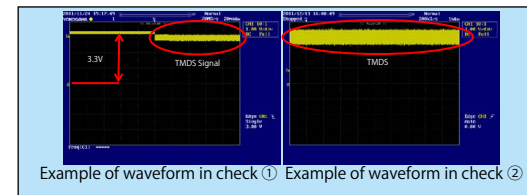
(Detection of HPD is not OK / Detection of RXSENSE is OK)

Go to check item (24)

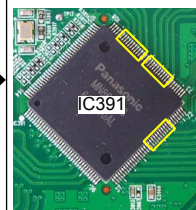
"30 or 20 or 10 or 00"

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

Go to check item (25)



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



HDMI IN5
55/56/58/59/61/62/64/65 pin

HDMI IN6
80/81/83/84/86/87/89/90 pin

HDMI IN7
93/94/96/97/99/100/102/103 pin

YES

HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

NO

Check for a short circuit in the pattern of the
TMDS line of the HDMI Switcher1 (IC391) from
the HDMI input terminal.
If there is no problem, the HDMI Switcher1 (IC391)
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 (19) are "33 or 23 or 13 or 03"
(Detection of HPD is OK / Detection of RXSENSE is OK)

Checking the EDID register. (HDMI ZONE2 OUT)

Check item(20). Check the Monitor EDID :

- ① Unplug the AC cord. Plug the AC cord into a power outlet.
 - ② Send the transmission command "m_3" from Termite.exe.
- Are the first eight bytes of the returned value "00FFFFFFF00"?

Example

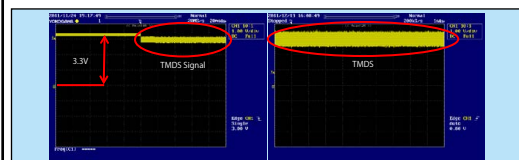
```

Termite 2.6 (by CompuPhase)
COM1 19200 bps, 8N1, no handshake
Settin

m_3
00FFFFFFF0009D1177945540000
3213010380351E782E6085A6564A9C25
125054A56808180810081C0A9C08140
D1C061C0B300023A801871382D40582C
4500132B2100001E000000FF00394339
  
```

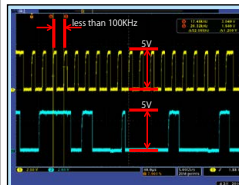
The first eight bytes are normally "00FFFFFFF00".
The correct resistor value cannot be checked if the AVR and TV are not connected by HDMI.

YES



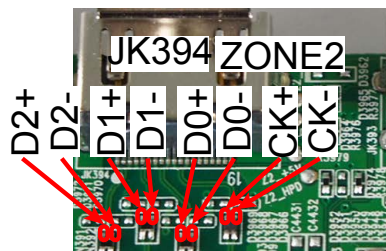
Example of waveform in check ① Example of waveform in check ②

NO



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.

Check item(21). Checking the TMSD :
Check the TMSD waveform at the following test point.



YES

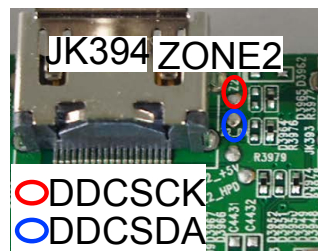
NO

Check for a short circuit in the TMSD line.
If there is no problem, the HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

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

Check item(22). Check the communication :
Do "CK" and "DA" indicate (5V) at the test point near HDMI output connector (JK394)?



YES

NO

Check for a short circuit in the DDC line.
If there is no problem, the HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

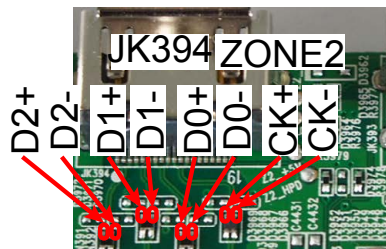
HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

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

When the results of check item (19) are "31 or 21 or 11 or 01"
(Detection of HPD is OK / Detection of RXSENSE is not OK)

Check the TMDS. (HDMI ZONE2 OUT)

Check item(23). Checking the RXSENSE. :
Does the test point near HDMI output terminal (JK394) indicate (3.3V)?



YES NO

Check for a short circuit in the TMDS line.
If there is no problem, the HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

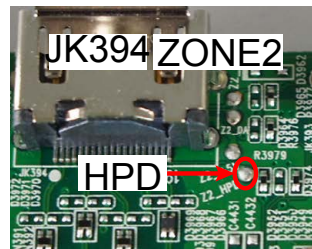
HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

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

When the results of check item (19) are "32 or 22 or 12 or 02"
(Detection of HPD is not OK / Detection of RXSENSE is OK)

Check the HPD. (HDMI ZONE2 OUT)

Check item(24). Checking the HPD. :
Does the test point near HDMI output terminal (JK394) indicate Hi(3-5V)?



YES NO

Check for a short circuit in the HPD line.
If there is no problem, the HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

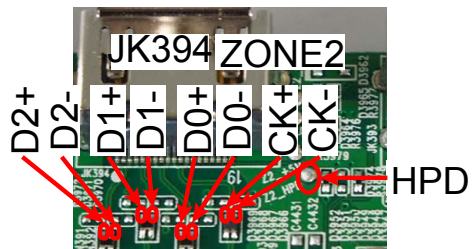
Recheck from check item (3).
If it does not work, replace the PCB.



When the results of check item (19) are "30 or 20 or 10 or 00"
(Detection of HPD is not OK / Detection of RXSENSE is not OK)

Check the TMDS/HPD. (HDMI ZONE2 OUT)

Check item(25). Checking the HPD and RXSENSE. :
Does the test point near HDMI output terminal (JK394) indicate (3.3V)?
Does the test point (HPD) near HDMI output terminal (JK394) indicate "Hi(3-5V)"?



YES

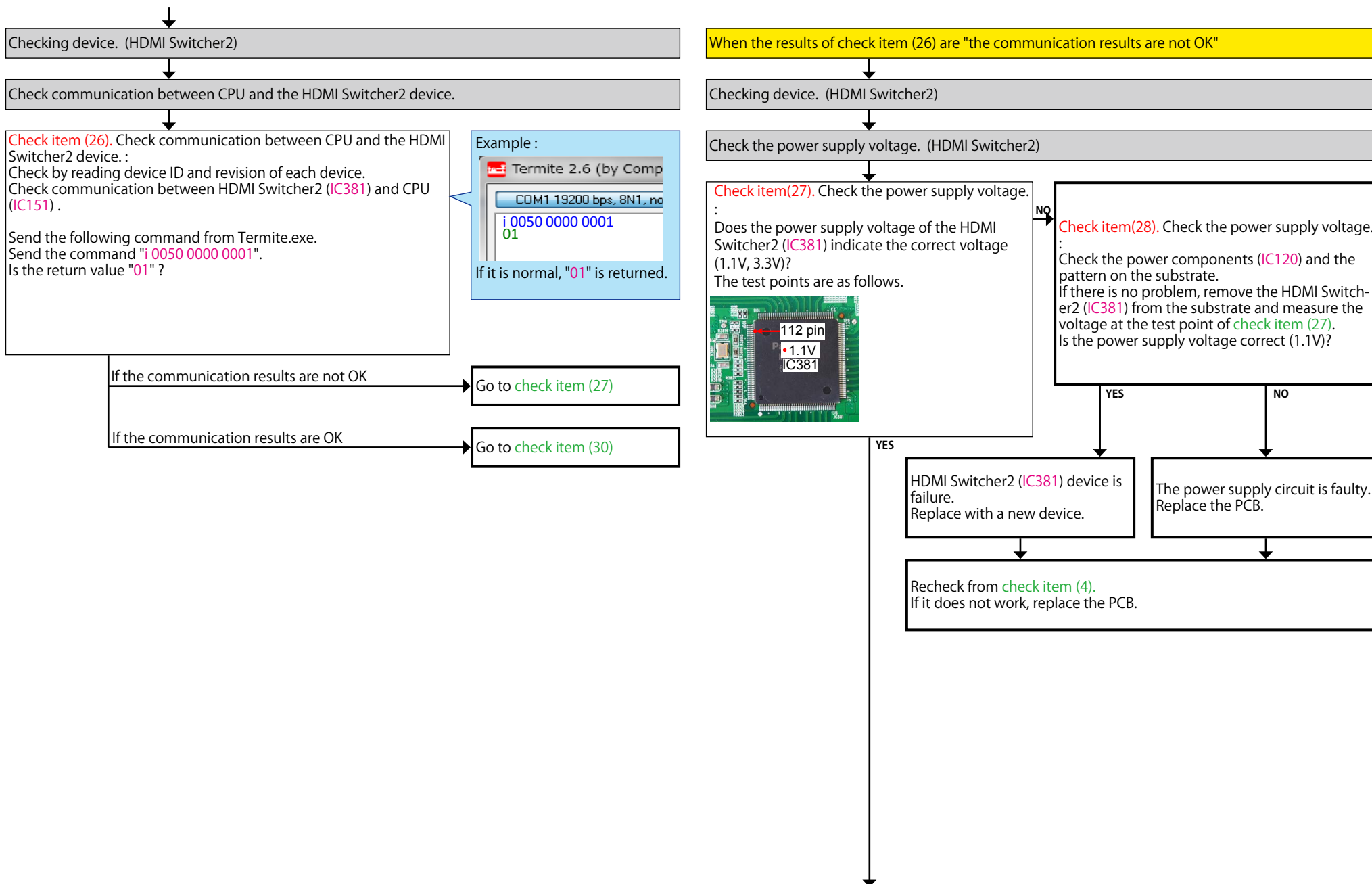
NO

Check for a short circuit in the TMDS/ HPD line.
If there is no problem, the HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

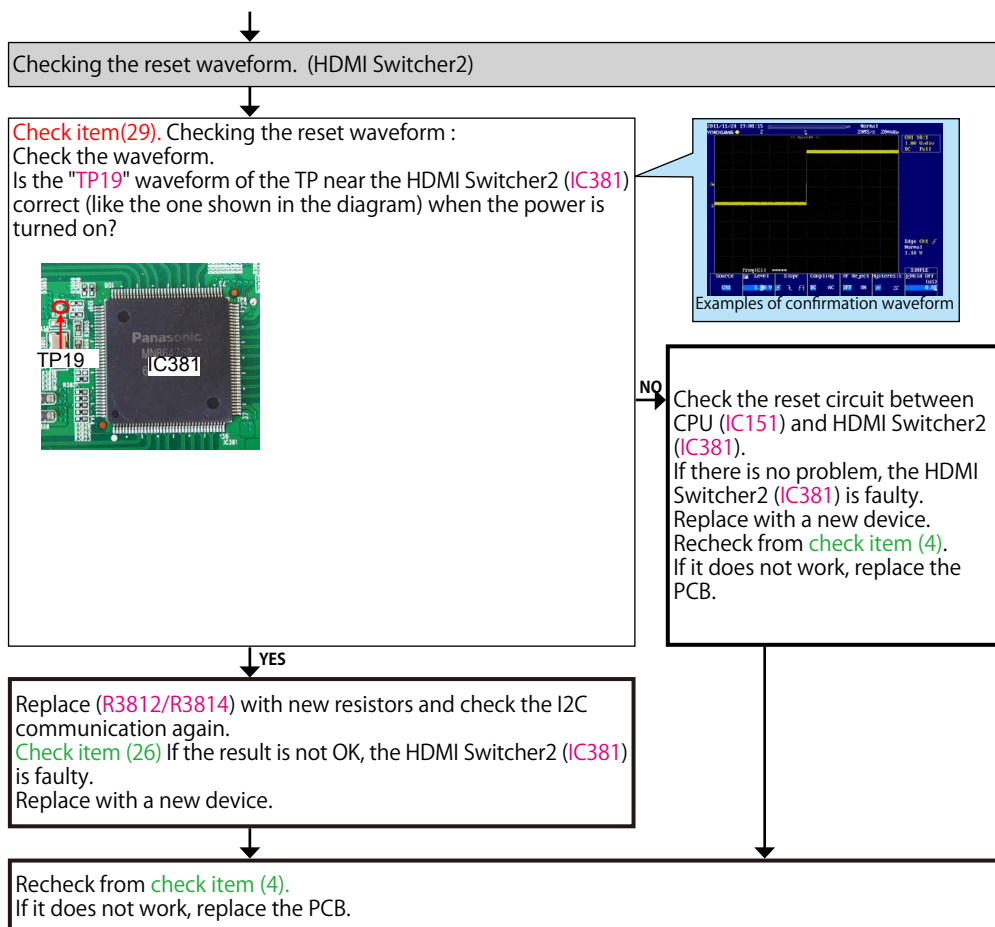
HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

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

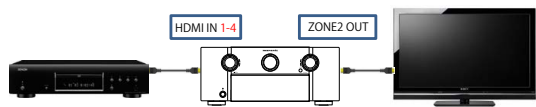
3-3 Switcher2 failure detection procedure



Go to next page.



When the results of check item (26) are "the communication results are OK"



※ In order to check, connect the player to the HDMI terminal and configure the player as AVR source.
Next, turn on the power for the player and TV and start playback on the player.

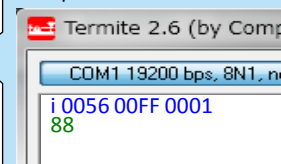
Checking the +5V/DDC status register (HDMI Switcher2)

Check item(30). Checking the 5V status register :
Send the following command from Termite.exe.

Send the command "i 0056 00FF 0001".

Case of IN1
Is the return value "88 or 80" ?
(IN2 : "44 or 40", IN3 : "22 or 20", IN4 : "11 or 10")

Example



YES

NO

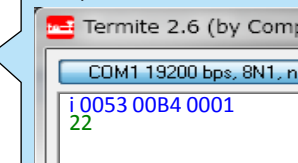
Go to [check item \(32\)](#)

Check item(31). Checking the DDC status register :
Send the following command from Termite.exe.

Case of IN1
Send the command "i 0053 00B4 0001".
Case of IN2
Send the command "i 0053 0084 0001".
Case of IN3
Send the command "i 0053 0054 0001".
Case of IN4
Send the command "i 0053 0024 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 \(33\)](#)

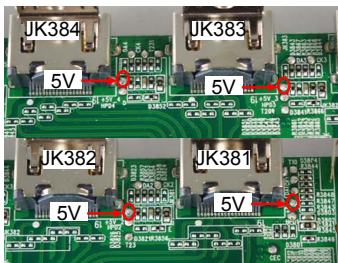
"22 or 11"
(Detection of DDC is OK)

Go to [check item \(34\)](#)

When the results of check item (30) are "NO"
(Detection of 5V is not OK)

Check the +5V voltage. (HDMI IN1 - 4)

Check item(32). Check the +5V voltage.
Does the test point near HDMI input terminal (JK381/JK382/JK383/JK384) indicate 5V?



YES

HDMI Switcher2 (IC381) is faulty.
Replace with a new device.

NO

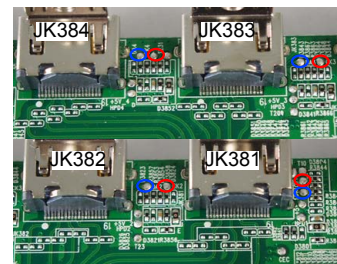
Check for a short circuit in the 5 V line and the 5 V Switch IC (IC392).
If there is no problem, the HDMI Switcher2 (IC381) or the 5 V Switch IC (IC392) is faulty.
Replace with a new device.

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

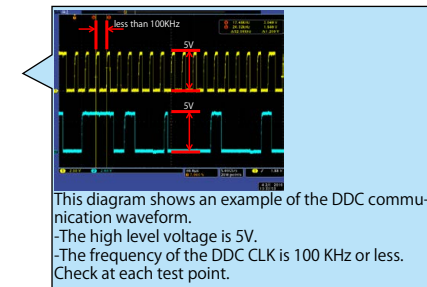
When the results of check item (31) are "00 or 04"
(Detection of DDC is not OK.)

Check the DDC line. (HDMI IN1 - 4)

Check item(33). Check the DDC line :
Are waveforms of "DDCSCK" and "DDCSDA" observed at the test point near the HDMI input terminal(JK381/JK382/JK383/JK384)?



DDCSCK
DDCSDA



YES

HDMI Switcher2 (IC381) is faulty.
Replace with a new device.

NO

Check for a short circuit in the DDC line.
If there is no problem, the HDMI Switcher2 (IC381) 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 (31) are "22 or 11"
(Detection of DDC is OK.)

Checking the TMDS status register (HDMI Switcher2)

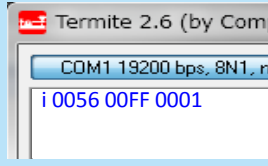
Check item(34). Checking register of the TMDS CLK detection status register :

Send the following command from Termite.exe.
Send the command "i 0056 00FF 0001".

When the following value is returned, go to Yes.
HDMI IN1 "88", HDMI IN2 "44", HDMI IN3 "22", HDMI IN4 "11"

When the following value is returned, go to No.
HDMI IN1 "80", HDMI IN2 "40", HDMI IN3 "20", HDMI IN4 "10"

Example



NO

YES

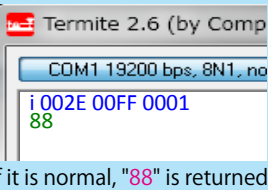
Checking the TMDS status register (HDMI Switcher2 -> HDMI Switcher1)

Check item(36). Check the TMDS CLK detection status of the register.

Send the following command from Termite.exe.
Send the command "i 002E 00FF 0001".

Is the return value "88" ?

Example :



If it is normal, "88" is returned.

NO

YES

HDMI Switcher1 (IC391) is faulty.
Replace with a new device.

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

Check item (35). Checking the TMDS input waveform. :
Check the TMDS waveform at the following test point.
Is the waveform like the sample?



HDMI IN1
42/43/45/46/48/49/51/52 pin
HDMI IN2
55/56/58/59/61/62/64/65 pin
HDMI IN3
80/81/83/84/86/87/89/90 pin
HDMI IN4
93/94/96/97/99/100/ 102/103 pin

YES

NO

HDMI Switcher2 (IC381) is faulty.
Replace with a new device.

Check for a short circuit in the pattern of the TMDS line of the HDMI Switcher2 (IC381) from the HDMI input terminal.
If there is no problem, the HDMI Switcher2 (IC381) is faulty.
Replace with a new device.

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

Check item (37). Checking the TMDS input waveform. :
Check the TMDS waveform at the following test point.
Is the waveform like the sample?

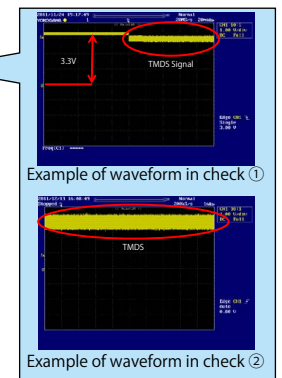
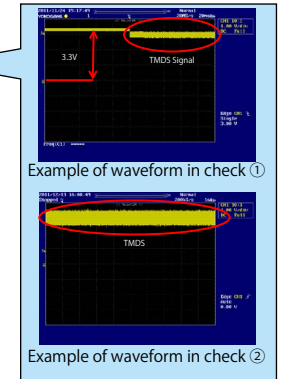


42/43/45/46/48/49/51/52 pin

YES

NO

Check for a short circuit in the TMDS line.
If there is no problem, the HDMI Switcher2 (IC381) is faulty.
Replace with a new device.



3-4 Tx failure detection procedure

Check the output terminal.

Check item(38). Check the video output port for failure. :
Check the Monitor 1 output video signal is correct.

After checking the Monitor 1, change the HDMI cable connection from OUT1 to OUT2.
Turn off the AV AMP and turn it on again.
To check under the same conditions, use the same procedure as that for checking Monitor 1 when checking the Monitor 2 output.

No video signal is output from both Monitor 1 and Monitor 2.

Go to [check item \(39\)](#)

No video signal is output from Monitor 1 only.

Go to [check item \(45\)](#)

No video signal is output from Monitor 2 only.

Go to [check item \(52\)](#)

No video signal is output from both Monitor 1 and Monitor 2.

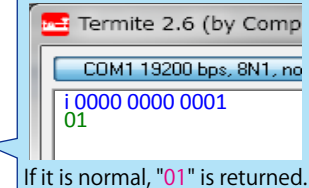
Checking device. HDMI (Tx)

Check the I2C communication line.

Check item (39). Check communication between CPU and the HDMI Tx device. :
Send the following command from Termite.exe.

Send the command "**i 0000 0000 0001**".
Is the return value "**01**" ?

Example :



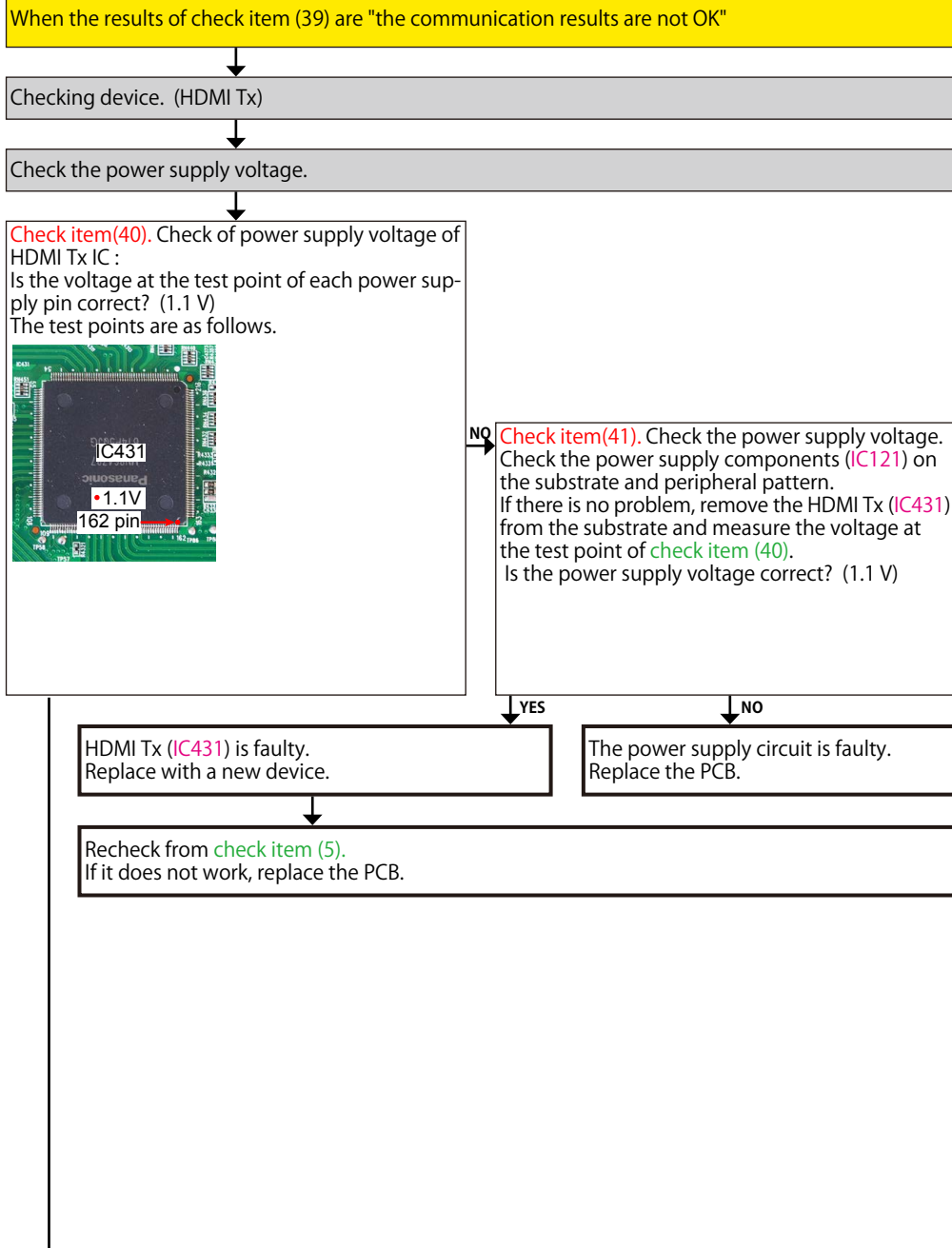
Termite 2.6 (by Comp
COM1 19200 bps, 8N1, no
i 0000 0000 0001
01
If it is normal, "01" is returned.

If the communication results are not OK

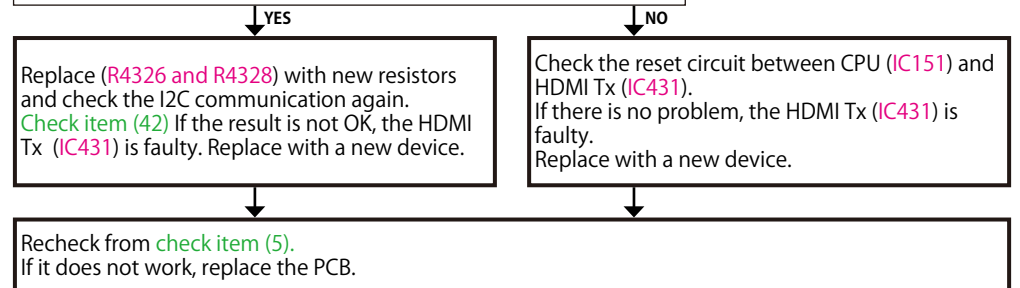
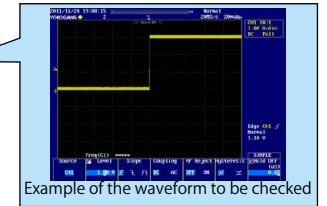
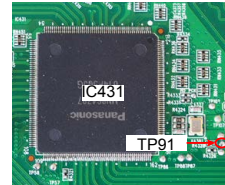
Go to [check item \(40\)](#)

If the communication results are OK

Go to [check item \(43\)](#)

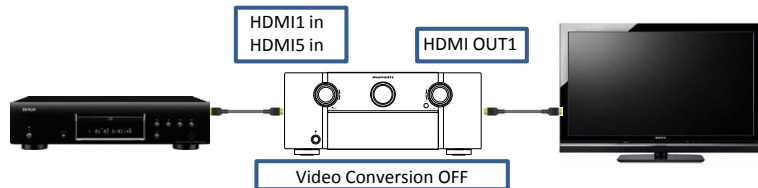


Check item(42). Check the reset of HDMI Tx.
Check the waveform .
Is the waveform at the test point TP (TP91) correct when power is turned on?



When the results of check item (39) are "the communication results are OK"

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



Checking the TMDS status register (Switcher1/2 -> HDMI Tx)

Check item(43). 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 HDMI5 IN to HDMI OUT1

"71" : Go to Yes.

"74" : Go to No.

NO

Check item (44). Checking the TMDS input :
TMDS waveform at the following points.



HDMI IN1
124/125/127/128/130/131/133/134 pin
HDMI IN5
137/138/140/141/143/144/146/147 pin

NO

HDMI Tx (IC431) is faulty.
Replace with a new device.

YES

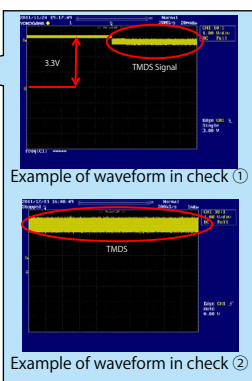
Recheck from [check item \(5\)](#).
If it does not work, replace the PCB.

Example

Termite 2.6 (by Comput
COM1 19200 bps, 8N1, no
i 0006 00FF 0001

YES

The first operation : Checking
between Monitor 1 and the TV.
Go to [check item \(45\)](#)
Next operation : Checking be-
tween Monitor 2 and the TV.
Go to [check item \(52\)](#)



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(45). 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 Comput
COM1 19200 bps, 8N1, no
i 0000 0040 0001

"30"

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

Go to [check item \(46\)](#)

"10"

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

Go to [check item \(49\)](#)

"20"

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

Go to [check item \(50\)](#)

"00"

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

Go to [check item \(51\)](#)

When the results of check item (45) are "30"
(Detection of HPD is OK / Detection of RXSENSE is OK)

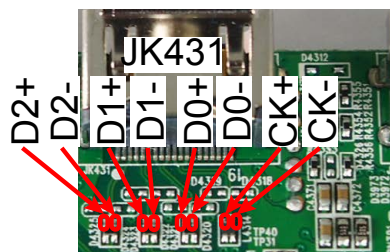
Checking the EDID register. (Monitor1)

Check item(46). 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(47). Checking the TMDS :
Check the TMDS waveform at the following test point.



YES

NO

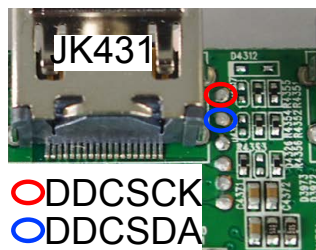
Check for a short circuit in the TMDS line.
If there is no problem, the HDMI Tx
(IC431) is faulty.
Replace with a new device.

HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from check item (5).
If it does not work, replace the PCB.

NO

Check item(48). Check the communication :
Are waveforms of "DDCSCK" and "DDCSDA"
observed at the test point near the HDMI output
terminal (JK431)?



YES

NO

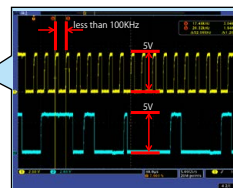
Check for a short circuit in the DDC line.
If there is no problem, the HDMI Tx
(IC431) is faulty.
Replace with a new device.

HDMI Tx (IC431) is faulty.
Replace with a new device.

Example

```
Termite 2.6 (by CompuPhase)
COM1 19200 bps, 8N1, no handshake
m_1
00FFFFFFF0000D1177945540000
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.



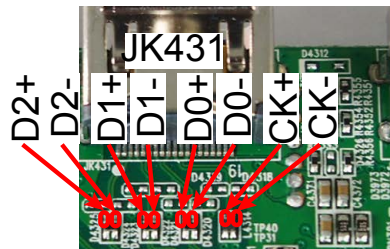
This diagram shows an example of the DDC communication waveform.
-The high level voltage is 5V.
-The frequency of the DDC CLK is 100 KHz or less.
Check at each test point.



When the results of check item (45) are "10"
(Detection of HPD is OK / Detection of RXSENSE is not OK)

Check the RXSENSE. (Monitor1)

Check item(49). Checking the RXSENSE. :
Does the test point of RXSENSE close to the HDMI output terminal
(JK431) indicate the 3.3 V?



YES NO

Check for a short circuit in the TMDS line.
If there is no problem, the HDMI Tx (IC431) is faulty.
Replace with a new device.

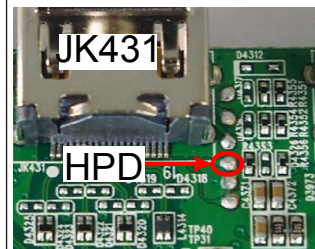
HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from check item (5).
If it does not work, replace the PCB.

When the results of check item (45) are "20"
(Detection of HPD is not OK / Detection of RXSENSE is OK)

Check the HPD. (Monitor1)

Check item(50). Checking the HPD. :
Does the voltage of HPD test point close to the HDMI output terminal
(JK431) indicate Hi (3-5 V)?



YES NO

Check for a short circuit in the HPD line.
If there is no problem, the HDMI Tx (IC431) is faulty.
Replace with a new device.

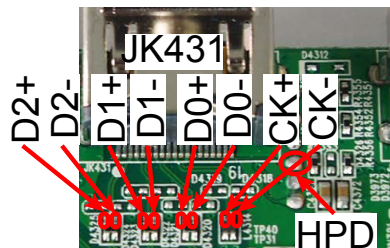
HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from check item (5).
If it does not work, replace the PCB.

When the results of check item (45) are "00"
(Detection of HPD is not OK / Detection of RXSENSE is not OK)

Check the RXSENSE/HPD. (Monitor1)

Check item(51). Checking the HPD and RXSENSE. :
Does the test point of RXSENSE close to the HDMI output terminal (JK431) indicate the 3.3 V?
Does the test point of HPD close to the HDMI output terminal (JK431) indicate the Hi(3-5V)?



YES NO

Check for a short circuit in the TMDS/ HPD line.
If there is no problem, the HDMI Tx (IC431) is faulty.
Replace with a new device.

HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from **check item (5)**.
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(52). 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

"03"

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

Go to **check item (53)**

"01"

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

Go to **check item (55)**

"02"

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

Go to **check item (57)**

"00"

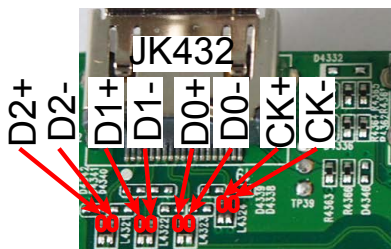
(Detection of HPD is not OK / Detection of RXSENSE is not OK)

Go to **check item (58)**

When the results of check item (52) are "01"
(Detection of HPD is OK / Detection of RXSENSE is not OK)

Check the RXSENSE. (Monitor2)

Check item(56). Checking the RXSENSE. :
Does the test point of RXSENSE close to the HDMI output terminal
(JK432) indicate the 3.3 V?



YES NO

Check for a short circuit in the TMDS line.
If there is no problem, the HDMI Tx (IC431) is faulty.
Replace with a new device.

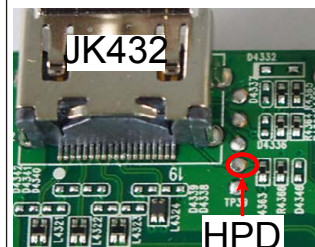
HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from check item (5).
If it does not work, replace the PCB.

When the results of check item (52) are "02"
(Detection of HPD is not OK / Detection of RXSENSE is OK)

Check the HPD. (Monitor2)

Check item(57). Checking the HPD. :
Does the voltage of HPD test point close to the HDMI output terminal
(JK432) indicate Hi (3-5 V)?



YES NO

Check for a short circuit in the HPD line.
If there is no problem, the HDMI Tx (IC431) is faulty.
Replace with a new device.

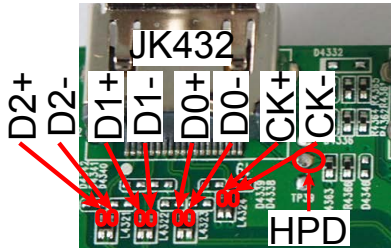
HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from check item (5).
If it does not work, replace the PCB.

When the results of check item (52) are "00"
(Detection of HPD is not OK / Detection of RXSENSE is not OK)

Checking the HPD/RXSENSE status register. (Monitor2)

Check item(58). Checking the HPD and RXSENSE. :
Does the test point of RXSENSE close to the HDMI output terminal
(JK432) indicate the (3.3V)?
Does the voltage of HPD test point close to the HDMI output terminal
(JK432) 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 (IC431) is faulty.
Replace with a new device.

HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from **check item (5)**.
If it does not work, replace the PCB.

3-5 Front HDMI Buffer (AD8195) failure detection procedure

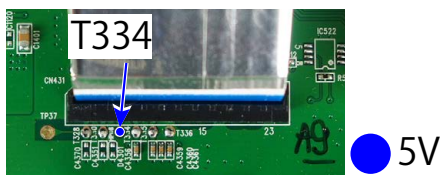
Checking operation between the HDMI (Front HDMI Buffer) and the player



※ 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. (Front HDMI Buffer)

Check item(59). Check the power supply voltage. :
Does the power supply voltage of the Front HDMI FFC base (CN431) indicate the correct voltage (5V)?
The test points are as follows.



YES

Check item(60). Check the power supply voltage. :
Check the FET SW (Q1107) 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 (59)**.
Is the power supply voltage correct (5 V)?

YES

Front HDMI Buffer (IC101) is faulty.
Replace with a new device.

NO

Replace the FET SW (Q1107) and recheck from **check item (59)**.
If it does not work, replace the PCB.

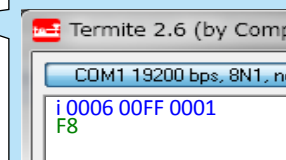
Recheck from **check item (5)**.
If it does not work, replace the PCB.

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

Check item(61). Checking the 5V status register :
Send the following command from Termite.exe.
Send the command "i 0006 00FF 0001".

Check the value.
Move to the branch destination according to the value returned.

Example



"78 or 70"
(Detection of 5V is not OK.)

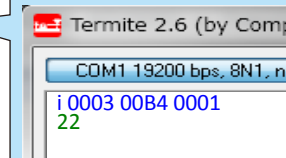
Go to **check item (63)**

"F8 or F0"
(Detection of 5V is OK)

Check item(62). Checking the status register :
Send the following command from Termite.exe.
Send the command "i 0003 00B4 0001".

Check the value.
Move to the branch destination according to the value returned.

Example



"00 or 04"
(Detection of DDC is not OK.)

Go to **check item (64)**

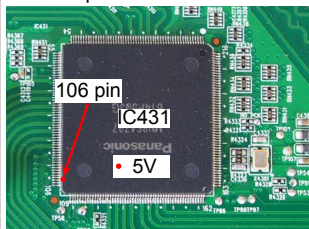
"22"
(Detection of DDC is OK)

Go to **check item (65)**

When the results of check item (61) are "78 or 70"
(Detection of 5V is not OK.)

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

Check item(63). Check the +5V voltage.
Does the HDMI Tx (IC431) test point indicate (5V)?
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 (IC392).
If there is no problem, the HDMI Tx (IC431) or the 5 V Switch (IC392) is faulty.
Replace with a new device.

YES

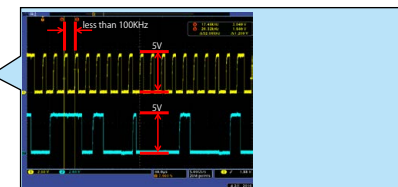
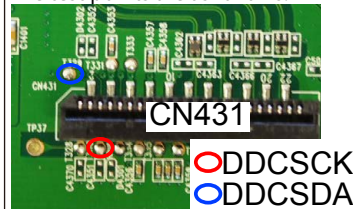
HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from **check item (5)**.
If it does not work, replace the PCB.

When the results of check item (62) are "00 or 04"
(Detection of DDC is not OK.)

Check the DDC Line. (Front HDMI Buffer)

Check item(64). Check the DDC line :
Are the "DDCSCK" and "DDCSDA" waveforms for the HDMI Tx (IC431) signal correct (as shown in the figure)?
The test points are as follows.



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.

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(IC101) is faulty.
Replace with a new device.

YES

HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from **check item (5)**.
If it does not work, replace the PCB.



When the results of check item (62) are "22"
(Detection of DDC is OK)

Checking the TMDs status register (Front HDMI Buffer)

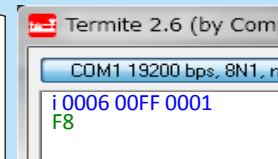
Check item(65). Check the TMDs CLK detection status of the register.

Send the following command from Termite.exe.
Send the command "i 0006 00FF 0001".

When the following value is returned, go to Yes.
"F8"

When the following value is returned, go to No.
"F0"

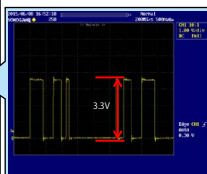
Example



NO

YES

Check item(67). Check the AUDIO signal output :
Check the AUDIO signal waveform at the following test point.
Is the waveform like the sample?
(MCK/64FS/FS/I2S0/I2S1/I2S2/I2S3/SPDIF)



The diagram shows an example of the waveform of I2S0.
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.

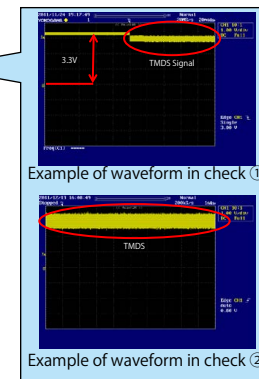
HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from check item (5).
If it does not work, replace the PCB.

Check item (66). Checking the TMDs input waveform :
Check the TMDs waveform at the following test point.
Is the waveform like the sample?



70/71/73/74/76/77/79/80 pin



YES

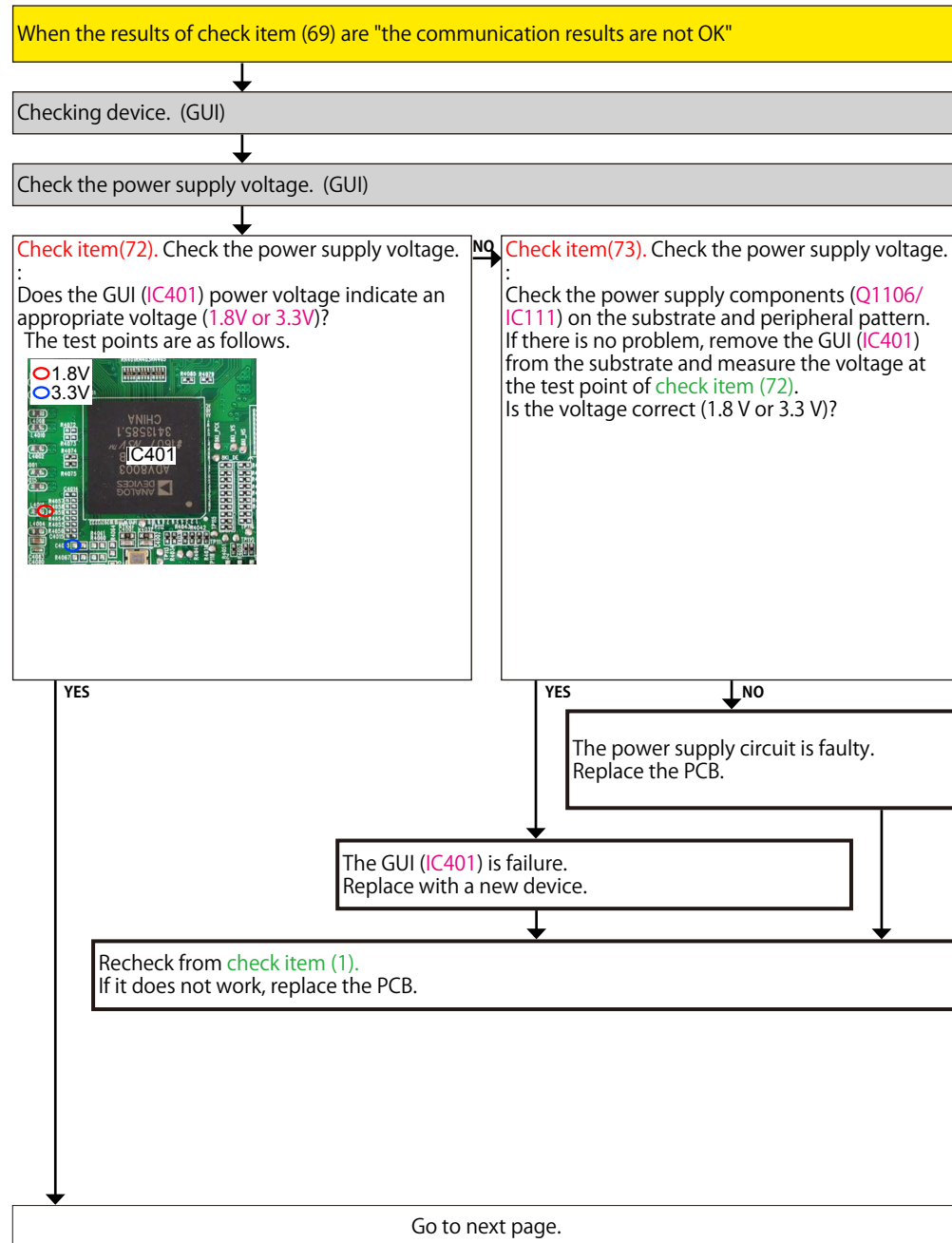
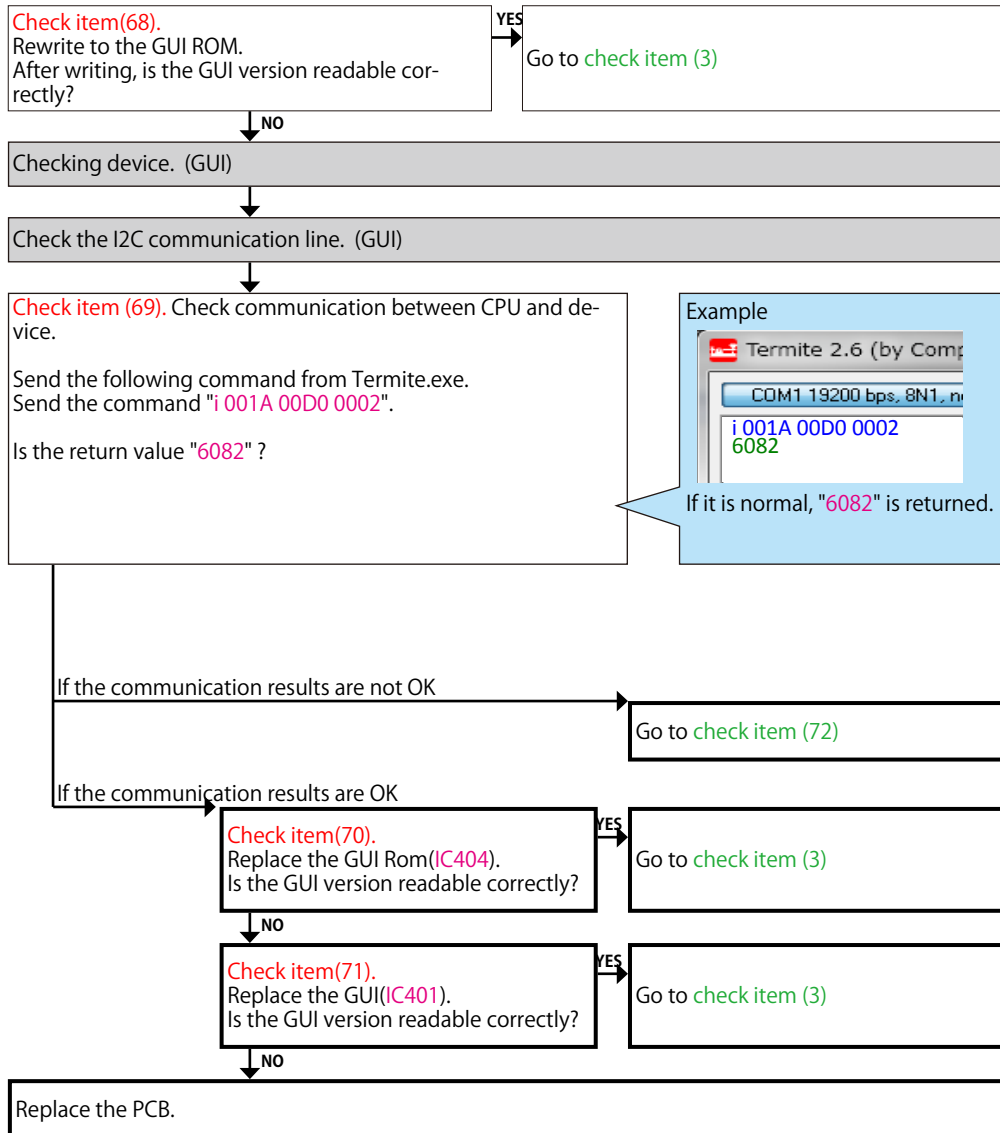
NO

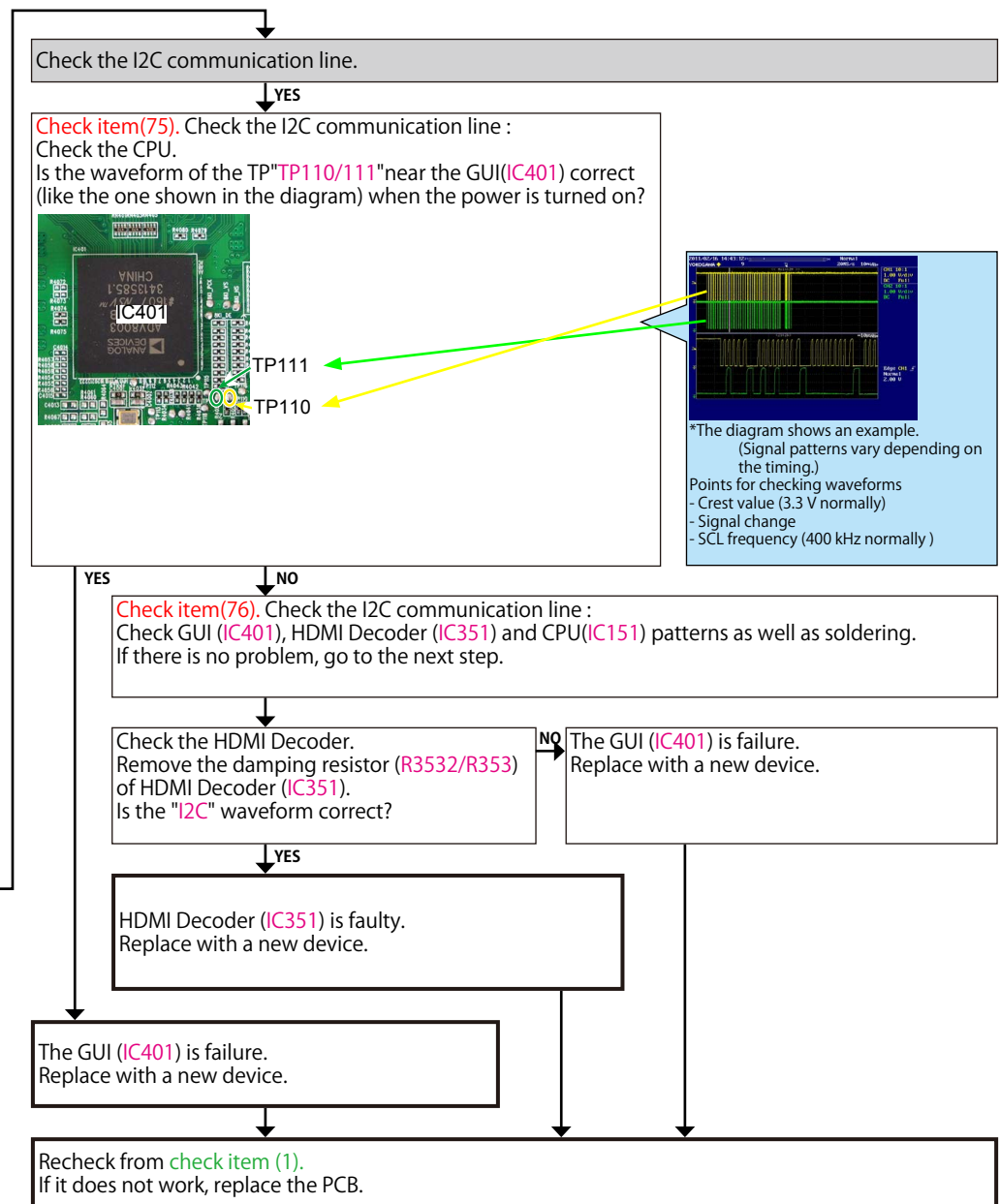
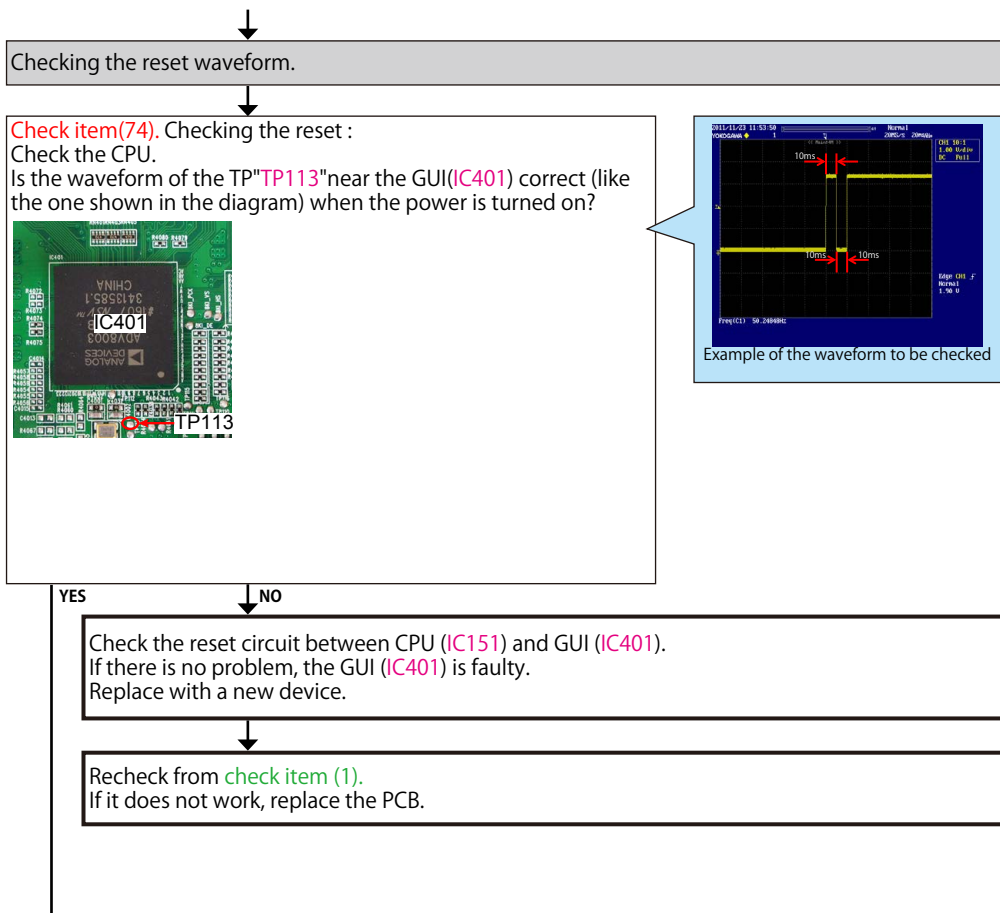
HDMI Tx (IC431) is faulty.
Replace with a new device.

Check for a short circuit in the TMDs line and the Front HDMI FFC.
If there is no problem, the Front HDMI Buffer (IC101) is faulty.
Replace with a new device.

Recheck from check item (5).
If it does not work, replace the PCB.

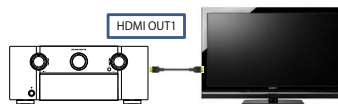
3-6 GUI (ADV8003) failure detection procedure



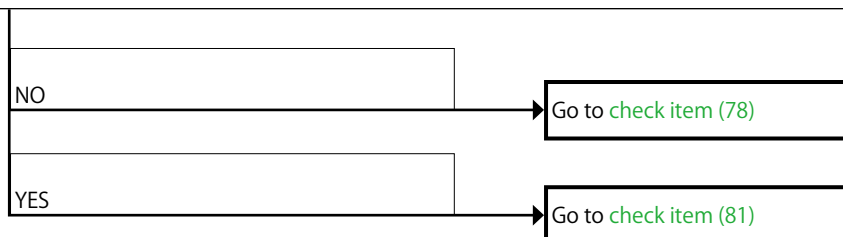


3-7 GUI and PLD failure detection procedure

Check item(77). Does a video signal come from HDMI OUT1 to TV correctly? :



Turn Video Conversion "ON" on the setup menu.
(SETUP MENU-> Video-> Output Settings-> Video Conversion = On)
When the "SETUP" button on a remote control is pressed, is "MENU" displayed on TV which is connected to the HDMI output terminal on the AVR?



When the results of check item (77) are "NO"
(When the menu display is not OK)

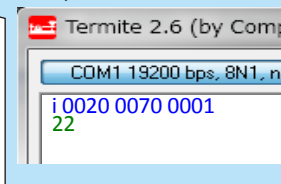
Check the Video signal line. (GUI -> HDMI Tx)

Check item(78). Check the format of the resistor video signal :

Send the following command from Termite.exe.
Send the command "i 0020 0070 0001".

Is the return value "22/21/20/1F/15/14/13/11/10/06/05/04/02" ?

Example



NO

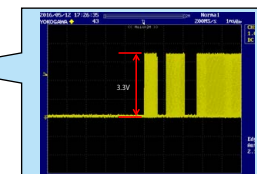
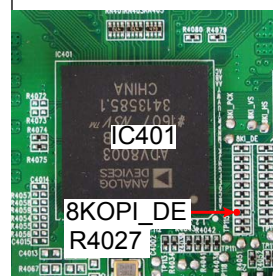
YES

HDMI Tx (IC431) is faulty.
Replace with a new device.

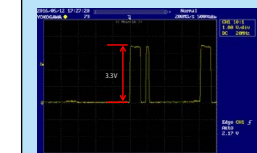
Recheck from check item (6).
If it does not work, replace the PCB.

Check the Video signal line. (GUI -> PLD)

Check item(79). Check the PLD video signal line from the GUI :
Check the video signal waveform at the following test point.
Is the waveform like the sample?



Example of waveform in check ①



Example of waveform in check ②

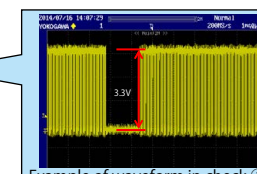
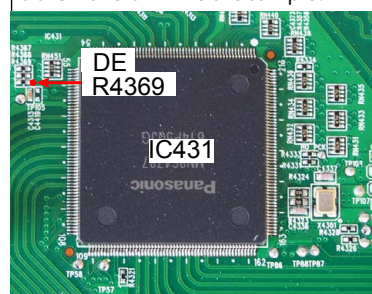
NO

Check the peripheral pattern between the GUI (IC401) and PLD (IC421).
If there is no problem, the GUI (IC401) is faulty.
Replace with a new device.

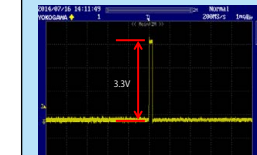
Recheck from check item (6).
If it does not work, replace the PCB.

Check the Video signal line. (PLD -> HDMI Tx)

Check item(80). Check the HDMI Tx video signal line from the PLD :
Check the video signal waveform at the following test point.
Is the waveform like the sample?



Example of waveform in check ①



Example of waveform in check ②

NO

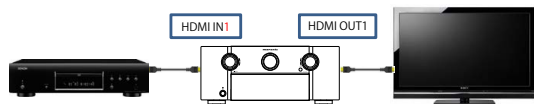
HDMI Tx (IC431) is faulty.
Replace with a new device.

Check the peripheral pattern between the PLD (IC421) and HDMI Tx (IC431).
If there is no problem, the PLD (IC421) is faulty.
Replace with a new device.

Recheck from check item (6).
If it does not work, replace the PCB.



When the results of check item (77) are "YES"
(When the menu display is OK)

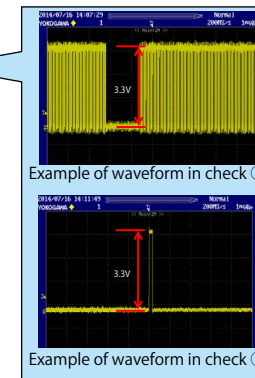


Turn Video Conversion "ON" on the setup menu.
(SETUP MENU-> Video-> Output Settings-> Video Conversion = On)
In order to check, connect the player to the HDMI terminal and configure the player as AVR source.
Next, turn on the power for the player and TV and start playback on the player.

Check the Video signal line. (HDMI Tx -> GUI)

Check the Video signal line. (HDMI Tx -> PLD)

Check item(81). Check the HDMI Tx video signal line from the HDMI Tx:
Check the video signal waveform at the following test point.
Is the waveform like the sample?



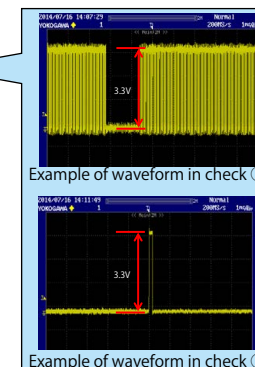
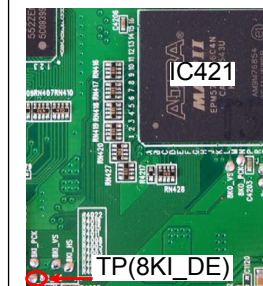
NO

Check the peripheral pattern between the HDMI Tx (IC431) and PLD (IC421).
If there is no problem, the HDMI Tx (IC431) is faulty.
Replace with a new device.

Recheck from **check item (6)**.
If it does not work, replace the PCB.

Check the Video signal line. (PLD -> GUI)

Check item(82). Check the GUI video signal line from the PLD :
Check the video signal waveform at the following test point.
Is the waveform like the sample?



YES

The GUI (IC401) is failure.
Replace with a new device.

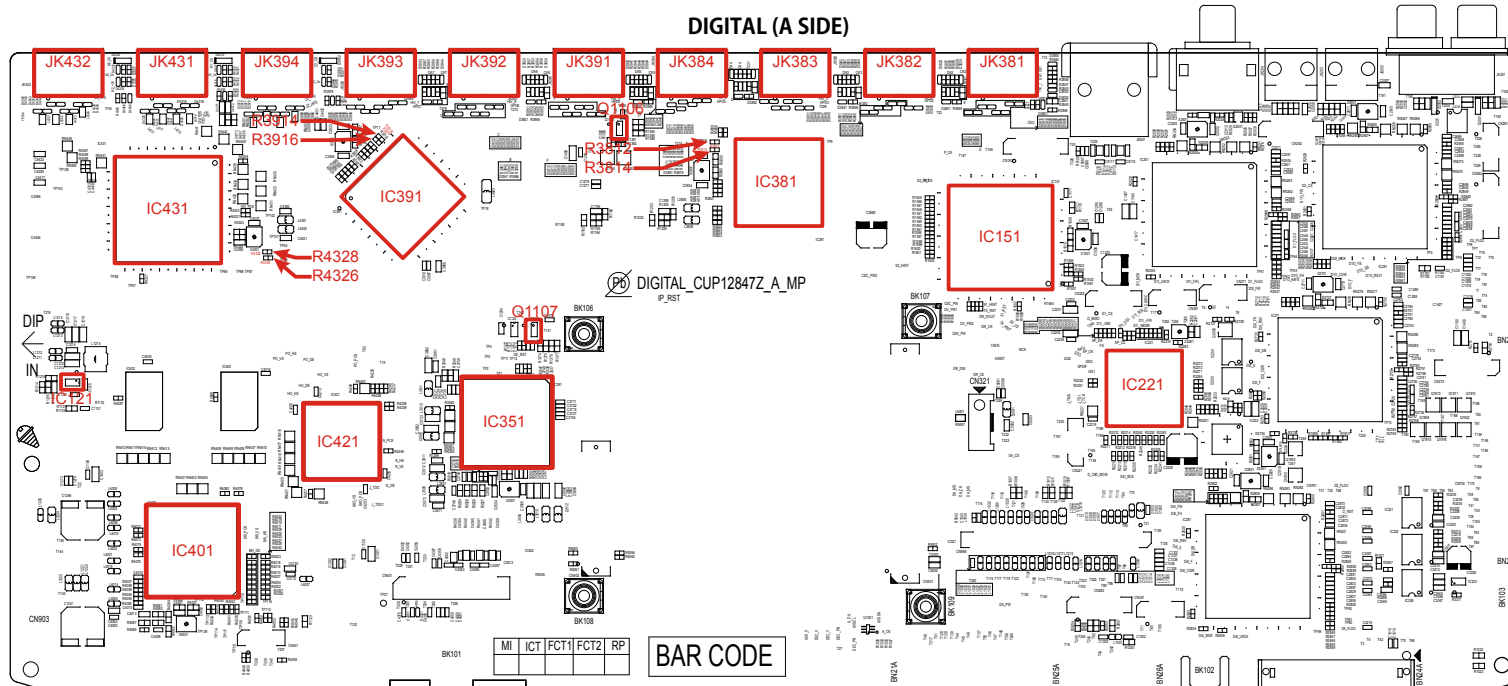
NO

Check the peripheral pattern between the PLD (IC421) and GUI (IC401).
If there is no problem, the PLD (IC421) is faulty.
Replace with a new device.

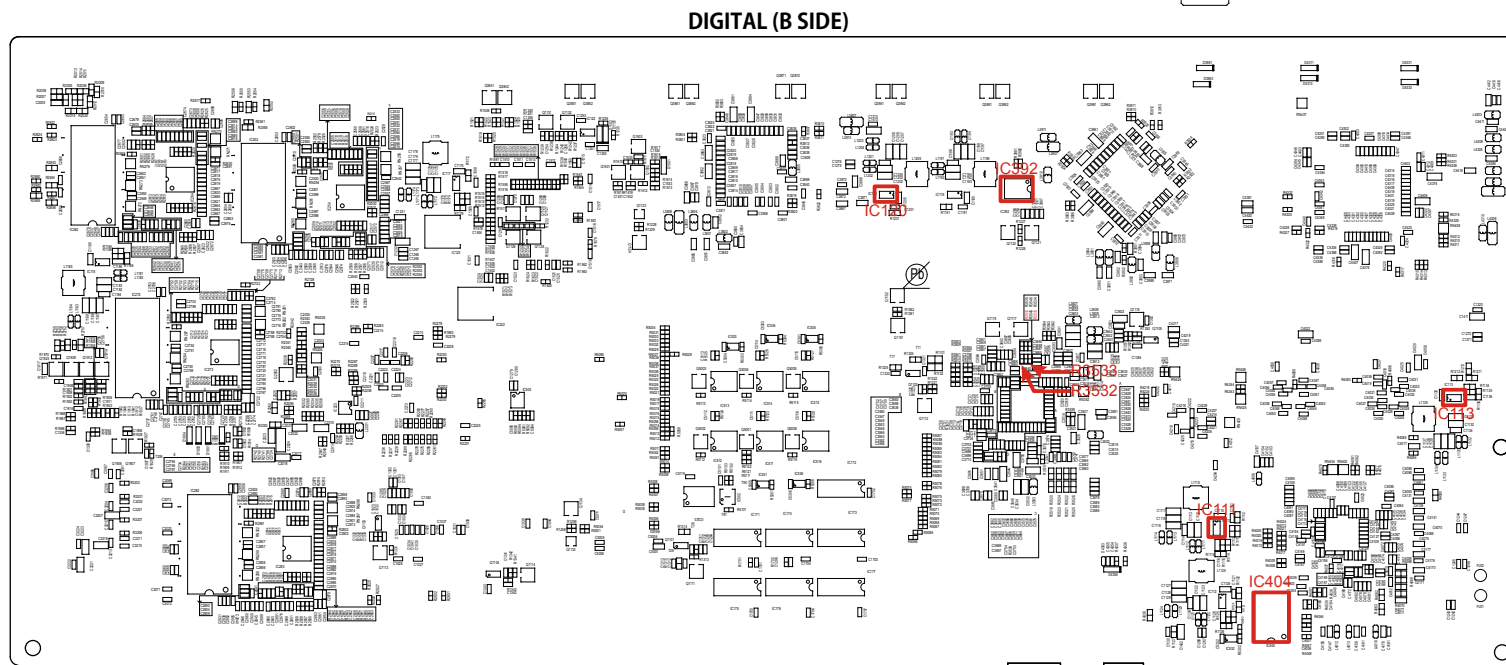
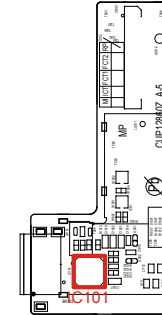
Recheck from **check item (6)**.
If it does not work, replace the PCB.



4. Device implementation location



F HDMI (A SIDE)



SPECIAL MODE

Special mode setting button

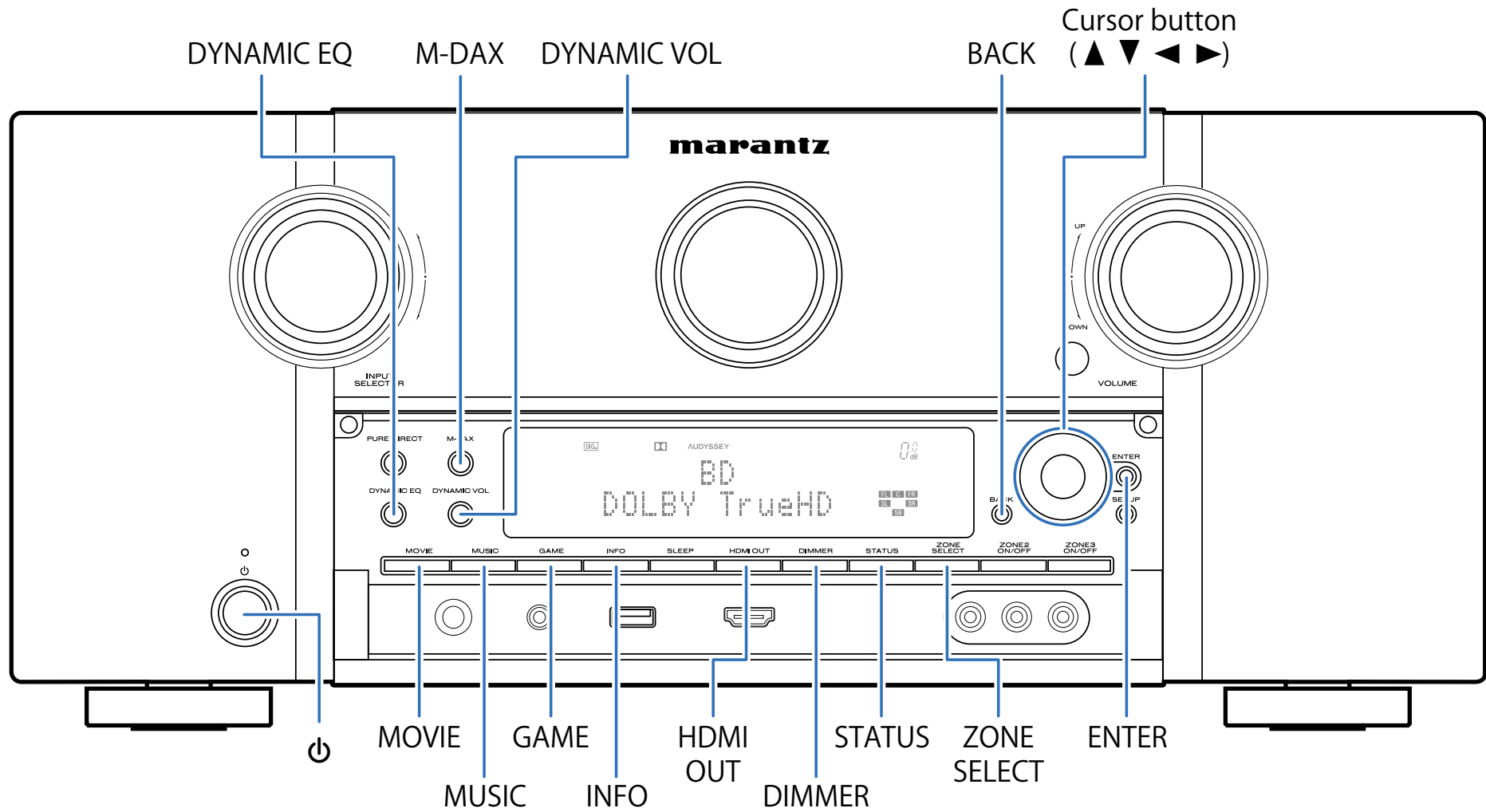
※ No. 1 - 3, 5 - 7 : While holding down buttons "A", "B" and "C" simultaneously, press the power button to turn on the power.

※ No. 4 : While the power is on, hold down buttons "A" and "B" for at least 3 seconds .

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	BACK	ENTER	-	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	ZONE SELECT	BACK	-	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	↑	↑	-	This is a special mode for service confirmation used during repair work to simplify the confirmation work for the Audio channel / video channel. (See DIAGNOSTIC MODE)
3-3	232C Standby Clear Mode	↑	↑	-	Switches from 232C standby mode to normal standby mode. (See 3-2. 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 3-3. Operation Info Mode)
3-5	TUNER STEP Mode (N model only)	↑	↑	-	Enables reception STEP of the ANALOG TUNER to be changed. (See 3-4. TUNER STEP mode (N only))
4	Network Initialization Mode	BACK	ENTER	-	Network module backup data is initialized. (See 4. Network Initialization Mode)
5	User Initialization Mode	GAME	INFO	-	Initialize the backup data for the MCU and network module. (Settings for the Installer Setup are not initialized.)
6	Factory Initialization Mode	MOVIE	MUSIC	-	Initialize the backup data only for MCU. (Settings for the Installer Setup are initialized) (Network function settings are not initialized.) (See Initializing This Unit)
7	Clearing the Operation Info	DYNAMIC EQ	DYNAMIC VOL	-	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 5. Clearing the Operation Info)

Go to next page.





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, Serial Number → ② Firmware Package → ③ Main μ -com, Main 1st Boot Loader → ④ DSP1/2/3/4 ROM → ⑤ Audio, Video PLD → ⑥ GUI SFLASH → ⑦ HEOS Version → ⑧ HEOS Build → ⑨ HEOS Module → ⑩ HEOS Configuration → ⑪ HEOS Locale → ⑫ Ether Mac Address → ⑬ WiFi Mac Address → ⑭ BT Mac Address → ⑮ HD Radio Version → ⑯ Audyssey App Interface Version

① Model destination information, Serial Number :

L1	AU7703 \
L2	SN- *****

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

② Firmware Package :

L1	Firm. Package
L2	Ver. : *****

③ Main μ -com, Main 1st Boot Loader Version :

L1	Main : **.*
L2	Main FBL : **.*

④ DSP 1/2/3/4 ROM :

L1	DSP1 : **.*
L2	DSP2 : **.*

L1	DSP3 : **.*
L2	DSP4 : **.*

⑤ Audio, Video PLD :

L1	Audio PLD: **.*
L2	Video PLD: **.*

⑥ GUI SFLASH :

L1	GUI : @#\$*****
----	------------------

@ : Model code

\$: Brand code (Non=0, De=1, Mz=2, Mc=3)

\ : Region code (U=1, N=2, K=5, F=4, ALL=0)

* : version

⑦ HEOS Version :

L1	HEOS Version
L2	*.*.*.*

⑧ HEOS Build :

L1	HEOS Build
L2	*****

⑨ HEOS Module :

L1	HEOS Module
L2	***

⑩ HEOS Configuration :

L1	HEOS Config
L2	Development
	Production

⑪ HEOS Locale :

L1	HEOS Locale
L2	*****

⑫ Ether Mac Address :

L1	*Ether MAC
L2	*****-*****

⑬ WiFi Mac Address :

L1	*Wi-Fi MAC
L2	*****-*****

⑭ BT Mac Address :

L1	*BT MAC Address
L2	*****-*****

⑮ HD Radio Version (U only) :

L1	*HD : *****-
L2	*****.*

⑯ Audyssey App Interface Version :

L1	Audy IFVer: **.*
L2	

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 (# : 1/2/3/4)	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).	FIRM ERROR ▲Main :*** ▲Main FBL :**.* ▲DSP# :**.* ▲Audio PLD: **.* ▲Video PLD: **.* ▲GUI :*****	•Check the resistor for setting the region(R1590 / R1589, DIGITAL PCB). •Write the firmware for the correct region.
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 .	IP SCALER ERR 01 IP SCALER ERR 02	•Check the circuits around the IP SCALER (IC401, DIGITAL PCB) and DDR2 (IC402/IC403). - If there appear to be no problems, IC401 or IC402/IC403 is faulty.
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.	GUI VER. ERROR ▼GUI :*****	•Check the firmware version.
④ DIR NG	This error is displayed if there is no response from the DIR.	DIR ERROR 01	•Check the DIR (IC202, DIGITAL PCB) and surrounding circuits.
⑤ DSP NG (# : 1/2/3/4)	The DSP FLAG0 port does not enter "Hi" status while booting a DSP code even after resetting DSP. The DSP FLAG0 port does not enter "Hi" status before issuing a DSP command. Setting WRITE to "Lo" does not set ACK to "Hi" during DSP data reading. Setting REQ to "Lo" does not set ACK to "Lo" during DSP data reading. Setting WRITE to "Hi" does not set ACK to "Hi" during DSP data writing. Setting REQ to "Lo" does not set ACK to "Lo" during DSP data writing.	DSP# ERROR 01 DSP# ERROR 02 DSP# ERROR 03 DSP# ERROR 04 DSP# ERROR 05 DSP# ERROR 06	•Check the DSP (IC251/IC261/IC271/ IC281, DIGITAL PCB) and surrounding circuits.
⑥ EEPROM NG	An error occurred in a checksum of the EEPROM(*** is a block address number).	BACKUP ERROR	

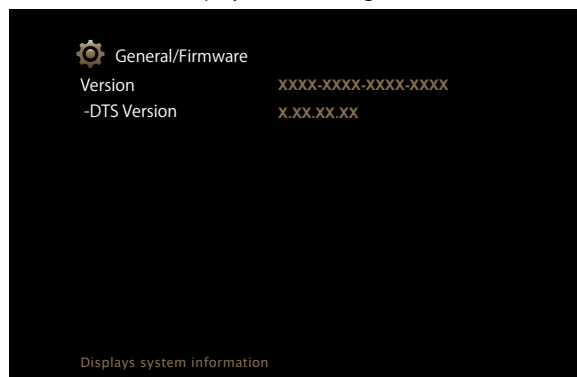


1.5. Version Display in the Setup Menu

Follow the steps below to display the firmware information.

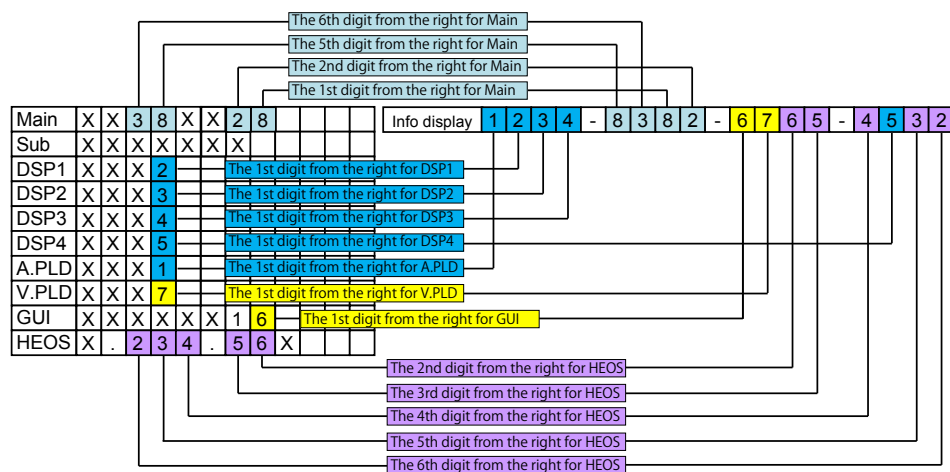
- (1) Press the "SETUP" button on the remote control.
- (2) Select "General - Information - Firmware".

The version information is displayed as a 16-digit number as shown in the screenshot below.



GUI Image

This 16-digit number comprises a part of the version number of each device and module. Numerics and version numbers correspond as shown below.



※ The firmware version numbers and this 16-digit version information are written in the Service Information.

※ Replace as follows for the 5th to 7th digits of HEOS version.

X.XXX.X → X.XXX.00X
 X.XXX.XX → X.XXX.0XX
 X.XXX.XXX → X.XXX.XXX

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 "**BACK**" and "**ENTER**" simultaneously, press the power button to turn on the power.

Select the desired mode using the "**CURSOR ▼/▲**" button, then press the "**ENTER**" button to confirm.

2.3. Displaying and Selecting Each Mode

The information shown on the display switches each time the "**CURSOR ▼/▲**" button is pressed.

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

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

①

L1	▶FP/VOL LOCK*On
L2	FP LOCK On

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



②

L1	FP/VOL LOCK*On
L2	▶FP LOCK On

The buttons on the unit does not function.



③

L1	FP LOCK On
L2	▶FP LOCK Off

The PANEL LOCK mode is turned off.



④

L1	FP LOCK Off
L2	▶RC LOCK On

The device cannot be operated by the remote control.



⑤

L1	RC LOCK On
L2	▶RC LOCK *Off

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 "ZONE SELECT" and "BACK" simultaneously, press the power button to turn on the power.

Select the desired mode using the "CURSOR ▼/▲" button, then press the "ENTER" button to confirm.

3-1.3. Displaying and Selecting Each Mode

The information shown on the display switches each time the "CURSOR ▼/▲" button is pressed. Press the "ENTER" button to set the currently displayed mode and restart the device.

①

L1	▶1.SERVICE CHECK
L2	3.RS232C RESET

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	1.SERVICE CHECK
L2	▶3.RS232C RESET

Switches from 232C standby mode to normal standby mode.



③

L1	3.RS232C RESET
L2	▶4.OP INFO

Operation Info for the unit can be checked.



④

L1	4.OP INFO
L2	▶5.TUNER FREQ SET

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. 232C Standby Clear Mode

3-2.1. Actions

Switches from 232C standby mode to normal standby mode.

3-2.2. Starting up

While holding down buttons "ZONE SELECT" and "BACK" simultaneously, press the power button to turn on the power.

Select the "3.RS232C RESET" using the "CURSOR ▼/▲" button, then press the "ENTER" button to confirm.

L1	1.SERVICE CHECK
L2	▶3.RS232C RESET

3-3. 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 "ZONE SELECT" and "BACK" simultaneously, press the power button to turn on the power.

Select the "4. OP INFO" using the "CURSOR ▼/▲" button, then press the "ENTER" 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	Operation Time
L2	Total: ____H

↓ "STATUS" ↑ Time display

(b) Power On count

L1	Power On Time
L2	Total: ____H

↓ "STATUS" ↑ Count display

(c) DC / ASO Protection count

L1	Protection Time
L2	DC: ____/ASO: ____

↓ "STATUS"

(d) Current Protection count

L1	Protection Time
L2	Current: ____

↓ "STATUS"

(Returns to normal display)



3-4. TUNER STEP mode (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 "**ZONE SELECT**" and "**BACK**" simultaneously, press the power button to turn on the power.

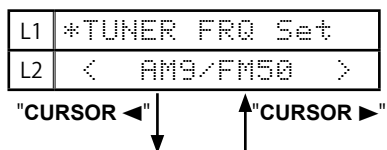
Select the "**5. TUNER FRQ SET**" using the "**CURSOR ▼/▲**" button, then press the "**ENTER**" button to confirm.

3-4.3. Displays

Start up this unit in TUNER STEP mode, select the desired option using the "**CURSOR ◀/▶**" button, then enter using the "**ENTER**" button.

The following information is displayed in the following order.

- (a) AM9 kHz / FM50 kHz is selected



- (b) AM10 kHz / FM200 kHz is selected



- (c) Press the power button to turn off the power.
(d) Press the power button to turn on the power.

4. Network Initialization Mode

4.1. Actions

The following items are initialized.

- (1) Network setup
- (2) Friendly Name
- (3) Auto Update setting
- (4) Allow Update setting
- (5) Time Zone setting
- (6) Queue list
- (7) Internet Radio recently played station
- (8) Quick Select playback station
- (9) AirPlay Password
- (10) Bluetooth Pairing History
- (11) Crestron Connected Setup

4.2. Operations

When the power is on and the input source is Online Music, press and hold the "**BACK**" and "**ENTER**" buttons for more than 3 seconds.

Initializing Display

L1 Network Reset...

Complete Display

L1 Completed

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

5. Clearing the Operation Info

5.1. 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.

5.2. 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 "**DYNAMIC EQ**" and "**DYNAMIC VOL**" simultaneously, press the power button to turn on the power.

L1 PRODUCT MODE

Release the buttons when "**PRODUCT MODE**" is displayed.

Press the "**ZONE2 ON/OFF**" and "**ZONE3 ON/OFF**" buttons.

Press the power button to switch the product to STANDBY.

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 "ZONE SELECT" and "BACK" simultaneously, press the power button to turn on the power.
Select the "1. SERVICE CHECK" using the "CURSOR ▼" button, then press the "ENTER" 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	CURSOR ◀	CURSOR ▶	SLEEP	CURSOR ◀	CURSOR ▶

1.5. Audio system confirmation items

See the block diagram fig.XXth.

Paths to be confirmed		Display (Sub Display)	Settings	What to confirm
1	Analog	fig.01 A01:ANALOG PASS	Input Source : CBL/SAT Input Mode : Analog (fixed) Sound mode : DIRECT Amp assign : 11.1ch Floor Layout : 5.1&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : On ZONE2 : Off ZONE3 : Off	• Analog input ⇒ RCA output (Front L/R) • Analog input ⇒ XLR output (Front L/R) (※ The input source can be switched to any source except CBL/SAT.)
2	DIGITAL (MAIN)	fig.02a fig.02b A02:DIGITAL	Input Source : CBL/SAT Input Mode : DIGITAL (fixed) Sound mode : MULTI CH STEREO Amp assign : 11.1ch Floor Layout : 5&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height Speaker Select : Floor Speaker Config ALL Speaker = Small / SW = Yes(2ch) MAIN ZONE : On ZONE2 : Off ZONE3 : Off	• Digital input ⇒ RCA output (Front L/R, Center, Surround L/R, S.Back L/R) • Digital input ⇒ XLR output (Front L/R, Center, Surround L/R, S.Back L/R, Subwoofer1/2) (※ The input source can be switched to any source except CBL/SAT.)

Paths to be confirmed			Display (Sub Display)	Settings	What to confirm
3	DIGITAL (ZONE2)	fig.03a fig.03b fig.03c	A03: DIGITAL-Z2	Input Source : Online Music Input Mode : Auto Sound mode : STEREO Amp assign : 11.1ch Floor Layout : 5ch Height Sp : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : On ZONE2 : On ZONE3 : Off	• Digital(PCM) input ⇒ ZONE2 RCA output (ZONE2 L/R) (※ The input source can be switched to any source except Online Music.)
4	DIGITAL (ZONE3)	fig.04a fig.04b	A04: DIGITAL-Z3	Input Source : Online Music Input Mode : Auto Sound mode : STEREO Amp assign : 11.1ch Floor Layout : 5ch Height Sp : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : On ZONE2 : Off ZONE3 : On	• Digital(PCM) input ⇒ ZONE3 RCA output (ZONE3 L/R) (※ The input source can be switched to any source except CBL/SAT.)
5	HDMI	fig.05a fig.05b fig.05c	A05: HDMI	Input Source : CBL/SAT Input Mode : HDMI (fixed) Sound mode : STEREO Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : On ZONE2 : Off ZONE3 : Off	• HDMI input ⇒ RCA output (Front L/R) • HDMI input ⇒ XLR output (Front L/R) (※ The input source can be switched to any source except CBL/SAT.)
6	Analog AD (MAIN)	fig.06a fig.06b	A06: AD	Input Source : CBL/SAT Input Mode : Analog (fixed) Sound mode : MULTI CH STEREO Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height Speaker Select : Floor Speaker Config ALL Speaker = Small/SW = Yes(2ch) MAIN ZONE : On ZONE2 : Off ZONE3 : Off	• Analog input ⇒ RCA output (Front L/R, Center, Surround L/R, S.Back L/R) • Analog input ⇒ XLR output, SW(20Hz) (Front L/R, Center, Surround L/R, S.Back L/R, Subwoofer1/2) (※ 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)
7	Analog Amp Assign (Amp Assign : ZONE2)	fig.07	A07: ASSIGN-Z2	Input Source : CBL/SAT Input Mode : Auto Sound mode : STEREO Z2 Source : Source Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : On ZONE2 : On ZONE3 : Off	• Analog input ⇒ ZONE2 RCA 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)
8	Analog Amp Assign (Amp Assign : ZONE3)	fig.08	A08: ASSIGN-Z3	Input Source : CBL/SAT Input Mode : Auto Sound mode : STEREO Z3 Source : Source Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : On ZONE2 : Off ZONE3 : On	• Analog input ⇒ ZONE3 RCA output (ZONE3 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)



Paths to be confirmed			Display (Sub Display)	Settings	What to confirm
9	Amp Assign (Amp Assign : BiAMP-Surround Back)	fig.09a fig.09b	A11:BiAMP-SB	Input Source : CBL/SAT Input Mode : Auto Sound mode : STEREO Amp assign : 9.1ch (BiAMP) Preout for Bi-Amp : SURROUND BACK Floor Layout : 5ch Height Sp : None Dolby Sp : None MAIN ZONE : On ZONE2 : Off ZONE3 : Off	• Analog input ⇒ RCA output (Front L/R, S.Back L/R (Front)) • Analog input ⇒ XLR output (Front L/R, S.Back L/R (Front)) (※ 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)
10	Amp Assign (Amp Assign : BiAMP-Height2)	fig.10a fig.10b	A12:BiAMP-H2	Input Source : CBL/SAT Input Mode : Auto Sound mode : STEREO Amp assign : 9.1ch (BiAMP) Preout for Bi-Amp : HEIGHT2 Floor Layout : 5ch Height Sp : None Dolby Sp : None MAIN ZONE : On ZONE2 : Off ZONE3 : Off	• Analog input ⇒ RCA output (Front L/R, Height2 L/R (Front)) • Analog input ⇒ XLR output (Front L/R, Height2 L/R (Front)) (※ 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)
11	Front Height	fig.11a fig.11b	A14:FRONT HEIGHT	Input Source : CBL/SAT Input Mode : Auto Sound mode : MULTI CH STEREO Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp : 4ch Dolby Sp : None Height Layout : Top Front & Top Rear Speaker Select : Floor & Height MAIN ZONE : On ZONE2 : Off ZONE3 : Off	• Analog input ⇒ RCA output (Height1 L/R (Top Front), Height2 L/R (Top Front)) • Analog input ⇒ XLR output (Height1 L/R (Top Front)) • Pre OUT output (※ 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)
12	7.1ch	fig.12	A19:7.1CH IN	Input Source : CBL/SAT Input Mode : 7.1Ch In Amp Assign : 11.1ch Floor Layout : 5ch&SB Height Sp : None Dolby Sp : None Speaker Config Front, Center, Surround, Surround Speaker Config ALL Speaker = Small/SW = Yes(2ch) MAIN ZONE : On ZONE2 : Off ZONE3 : Off	• 7.1ch IN input ⇒ RCA output (Front L/R, Center, Surround L/R, S.Back L/R, Subwoofer) • 7.1ch IN input ⇒ XLR output (Front L/R, Center, Surround L/R, S.Back L/R, Subwoofer)
13	ZONE2 AD	fig.13a fig.13b	A24:Z2-AD	Input Source : Online Music Input Mode : Auto Sound mode : DIRECT Z2 Source : CBL/SAT Amp assign : 9.1ch Floor Layout : 5.1&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : On ZONE2 : On ZONE3 : Off	• Analog input ⇒ RCA output (Front L/R) • Analog input ⇒ XLR output (Front L/R) (※ The input source can be switched to any source except Online Music.)



1.6. Confirmation items for the video system

See the block diagram fig.XXth.

Paths to be confirmed			Display (Sub Display)	Settings	What to confirm
1	Analog Video pass	fig.14	U01:VIDEO PASS	Input Source : CBL/SAT Video Conversion (IP Scaler) : Off MAIN ZONE : On ZONE2 : On ZONE3 : Off	• Component input ⇒ Component output (※ The input source can be switched to any source except CBL/SAT.)
2	Video Convert (Analog or HDMI ⇒ HDMI)	fig.15a fig.15b	U02:V. CONVERT	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 ZONE3 : Off	• HDMI input ⇒ IP Scaler ⇒ HDMI output. • ETHERNET input ⇒ IP Scaler ⇒ HDMI output. • CVBS input ⇒ IP Scaler ⇒ HDMI output. • Component input ⇒ IP Scaler ⇒ HDMI output. (※ The input source can be switched to any source except CBL/SAT.)
3	HDMI pass (MAIN ZONE)	fig.16	U03:HDMI PASS	Input Source : CBL/SAT Video Conversion (IP Scaler) : Off MAIN ZONE : On ZONE2 : Off ZONE3 : 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.17	U04:HDMI CEC	Input Source : CBL/SAT HDMI Control : On Control Monitor : Monitor1 (if checking the HDMI Monitor Out1) MAIN ZONE : On ZONE2 : Off ZONE3 : 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).
5	HDMI Audio (Audio : AVR)	fig.18a fig.18b fig.18c	U05:H. AUDIO-AVR	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.19a fig.19b	U06:H. AUDIO-TV	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.20	U07:GUI MENU ON	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 ZONE3 : Off	• GUI display ⇒ HDMI output. (※ The input source can be switched to any source except CBL/SAT.)
8	HDMI pass (MAIN ZONE2)	fig.21	U08:ZONE2 HDMI	Input Source : CBL/SAT Z2 Source : Source MAIN ZONE : On ZONE2 : On ZONE3 : Off	• HDMI input (ZONE2 Function) ⇒ HDMI output (ZONE2) (※ The input source can be switched to any source except CBL/SAT.)



fig.01

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

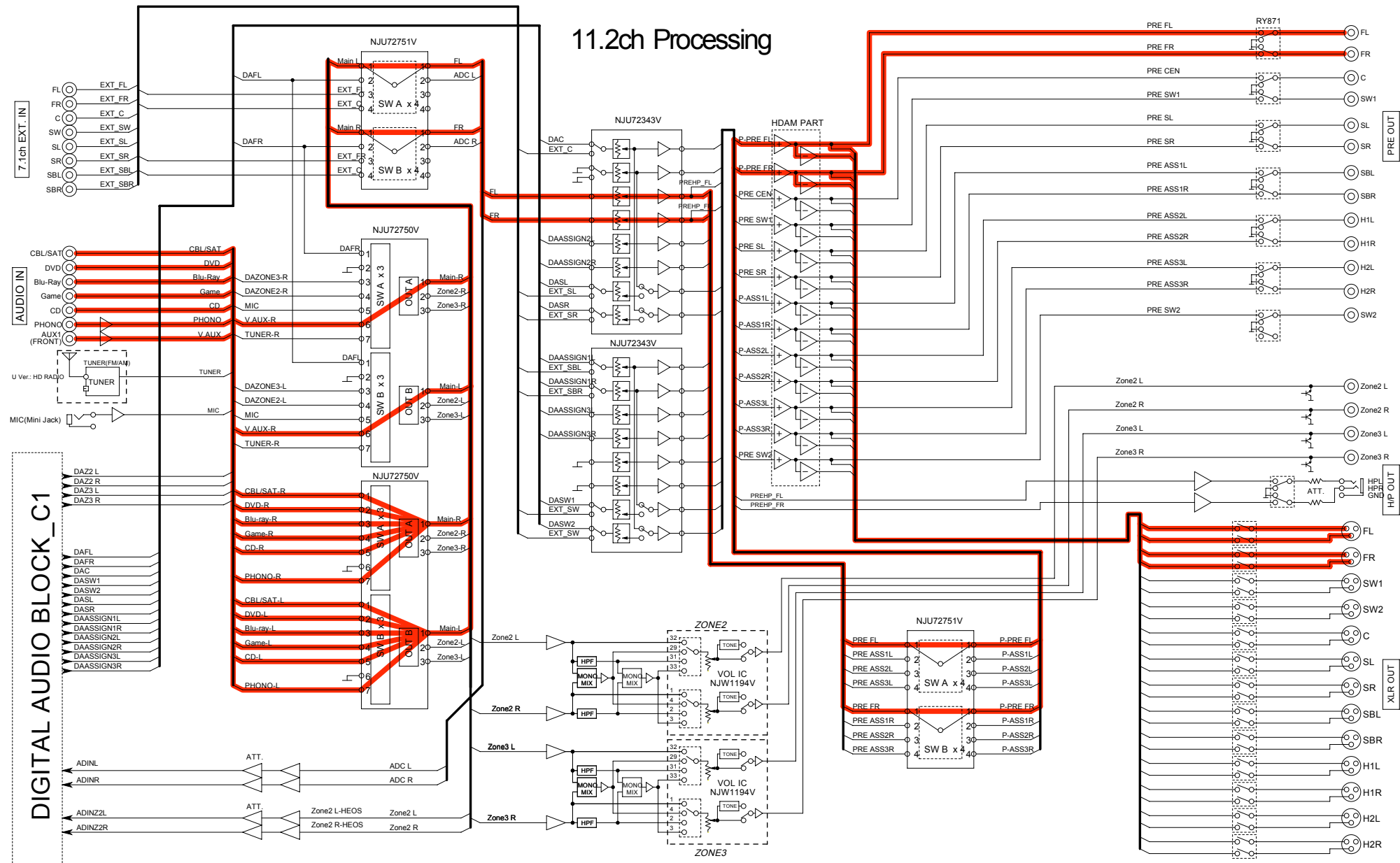
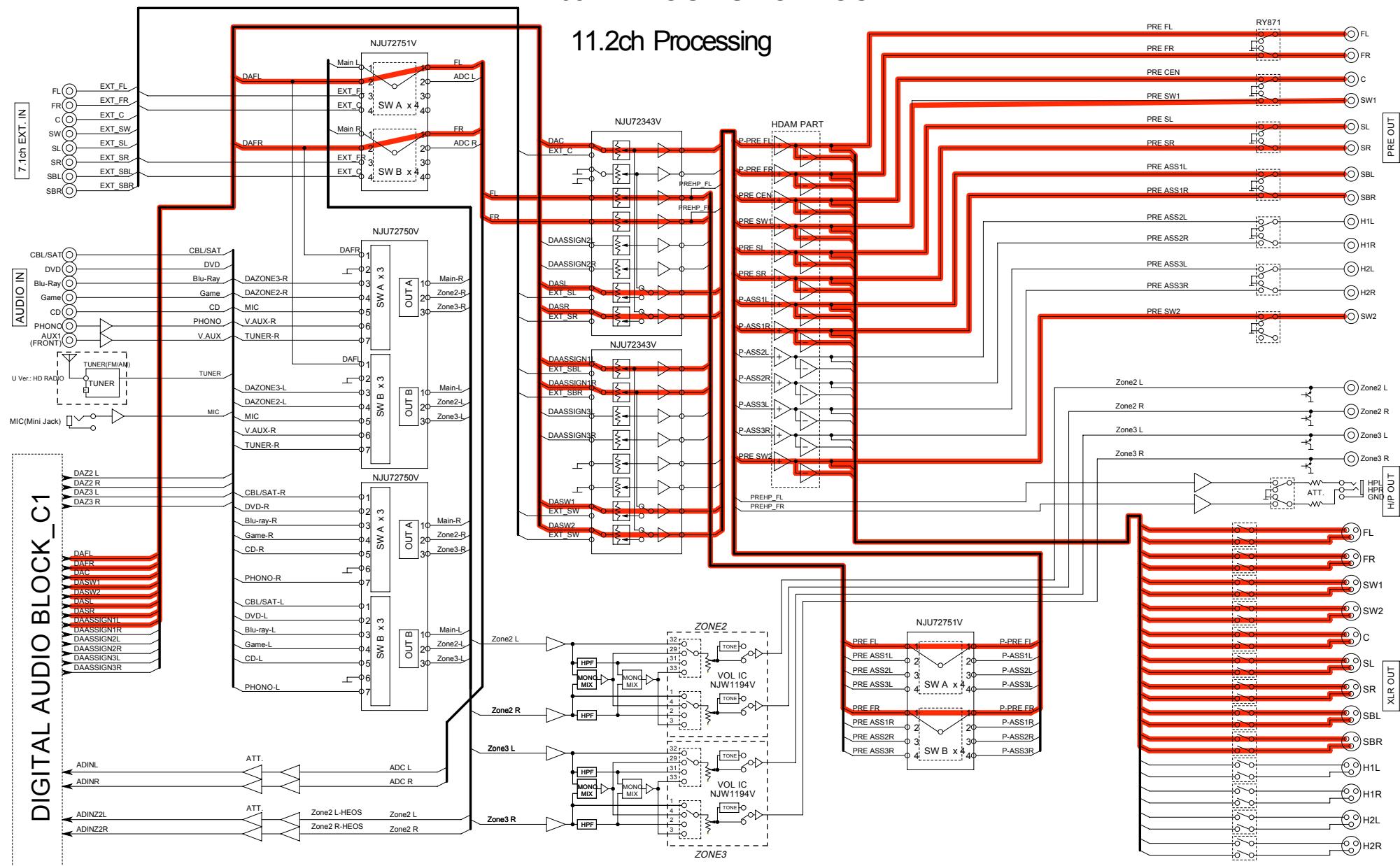


fig.02a

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

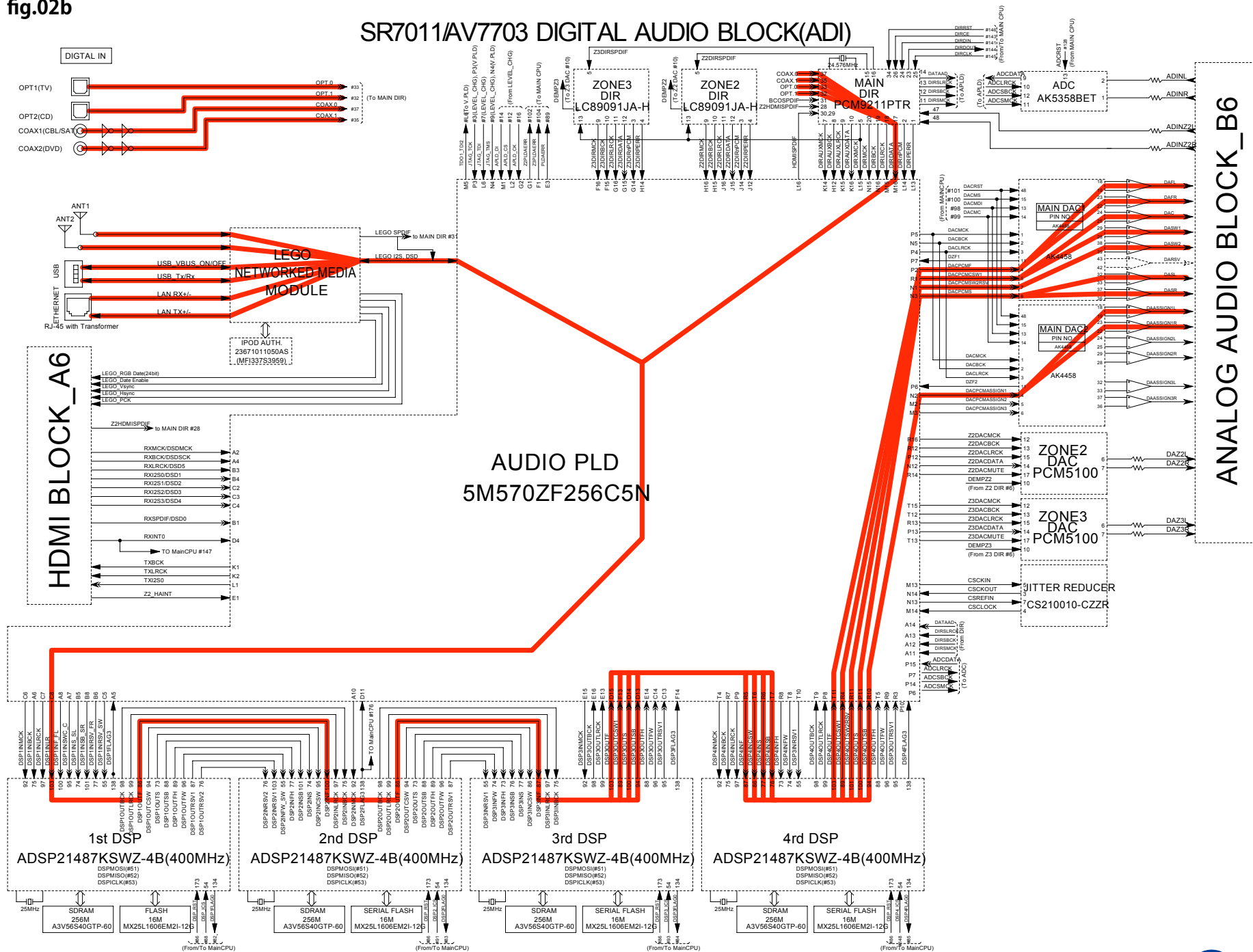
Mechanical

Repair Information

Updating



fig.02b

Caution in
servicing

Electrical

Mechanical

Repair Information

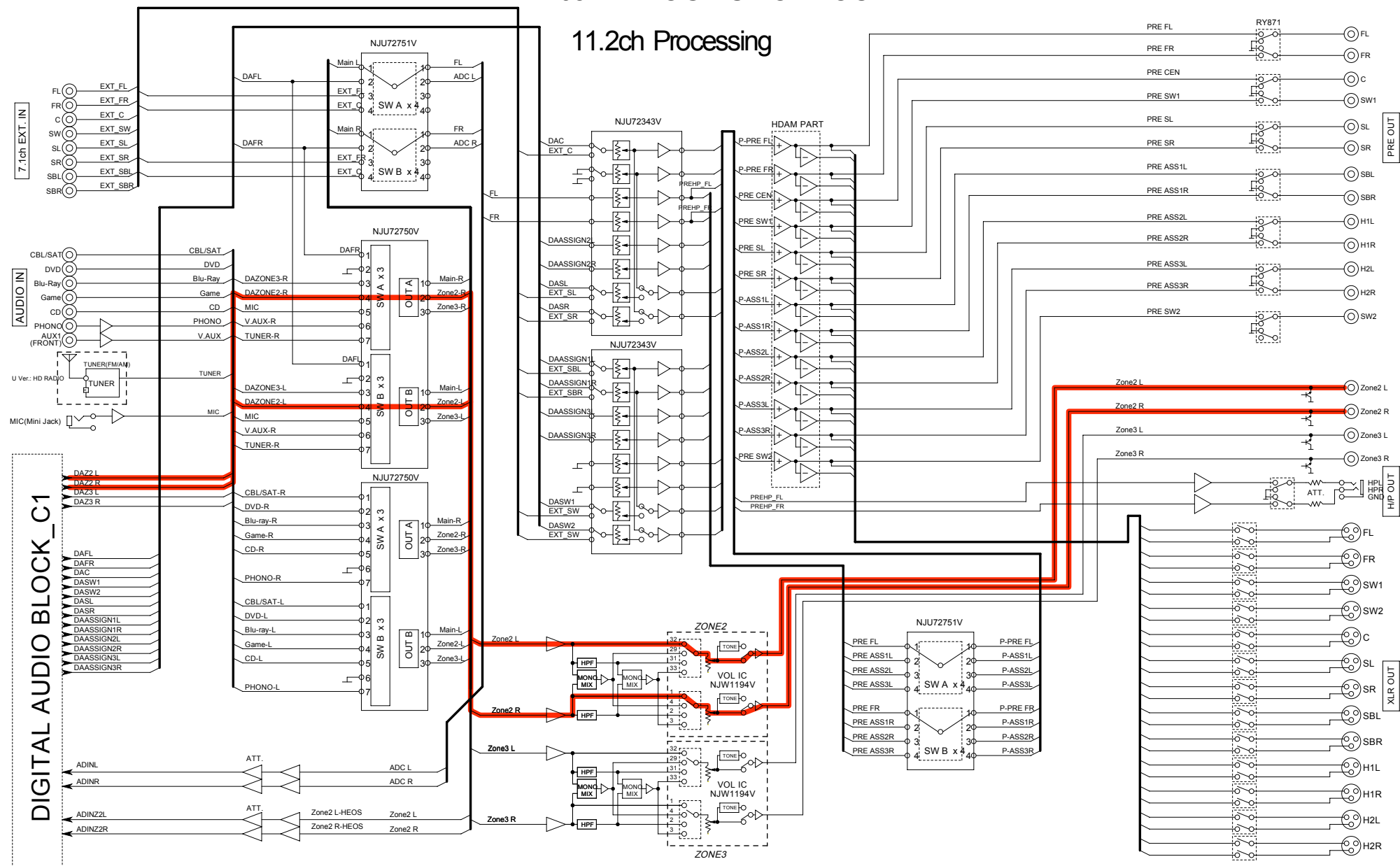
Updating



fig.03a

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

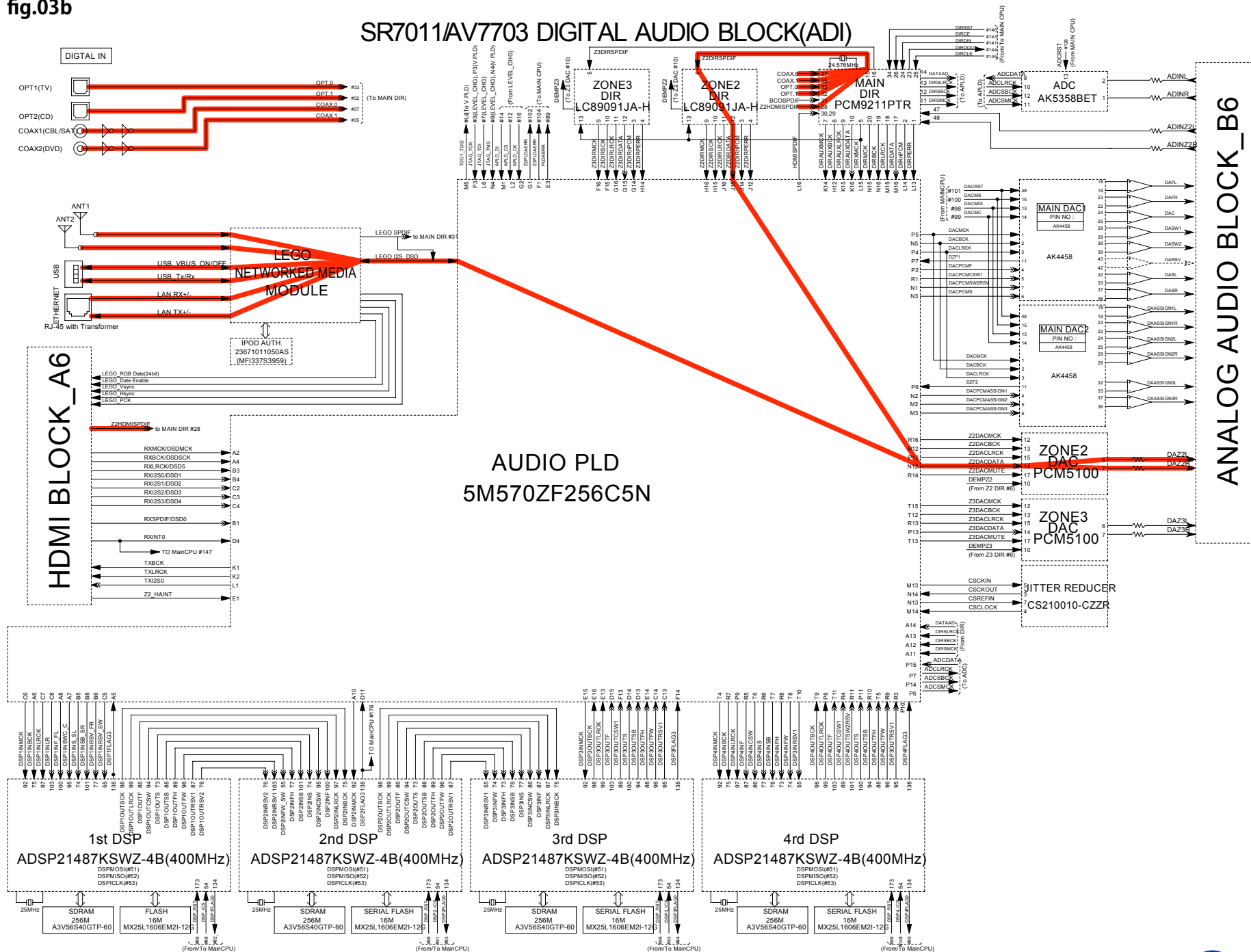
Mechanical

Repair Information

Updating



fig.03b

Caution in
servicing

Electrical

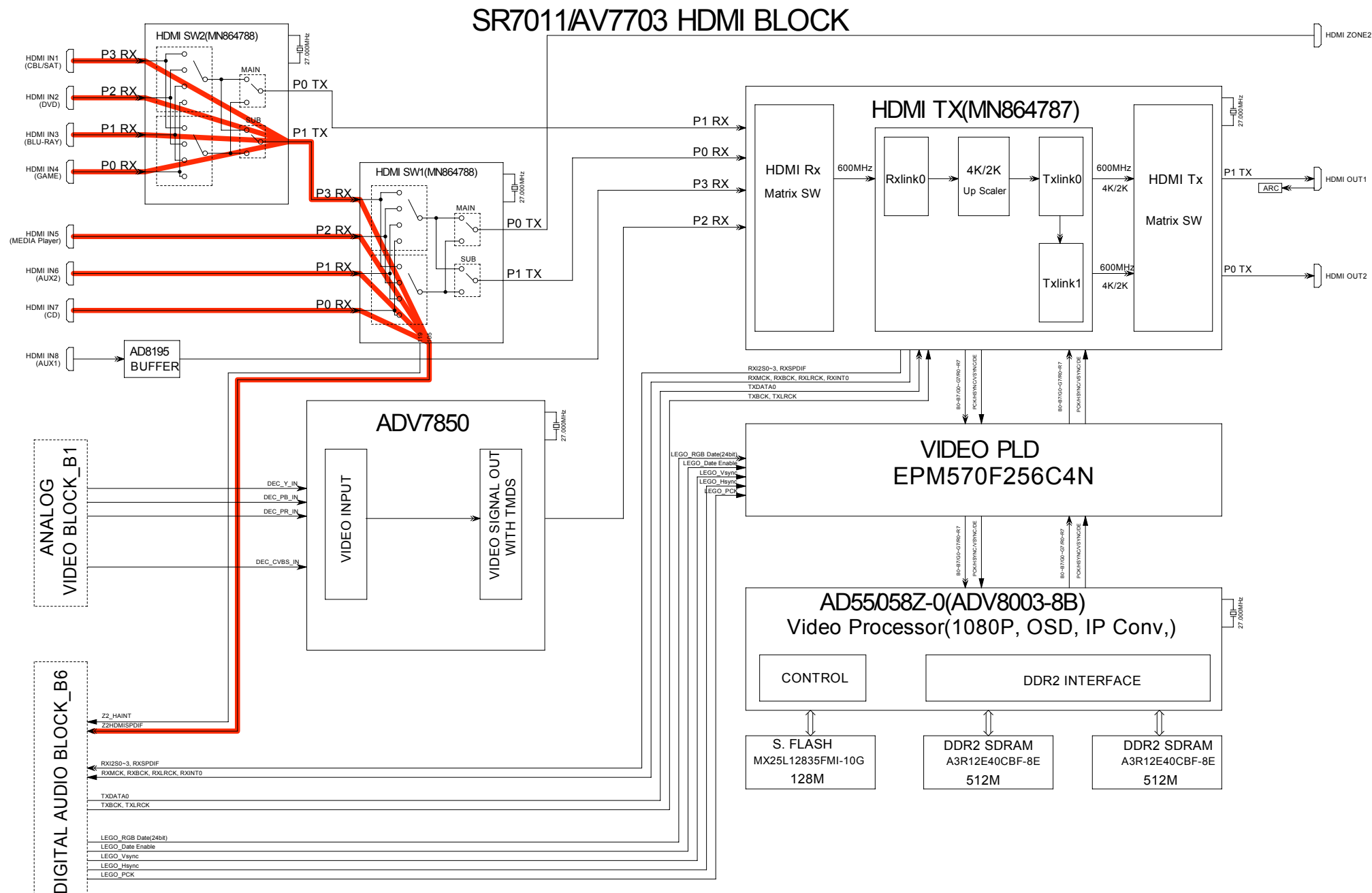
Mechanical

Repair Information

Updating



fig.03c

Caution in
servicing

Electrical

Mechanical

Repair Information

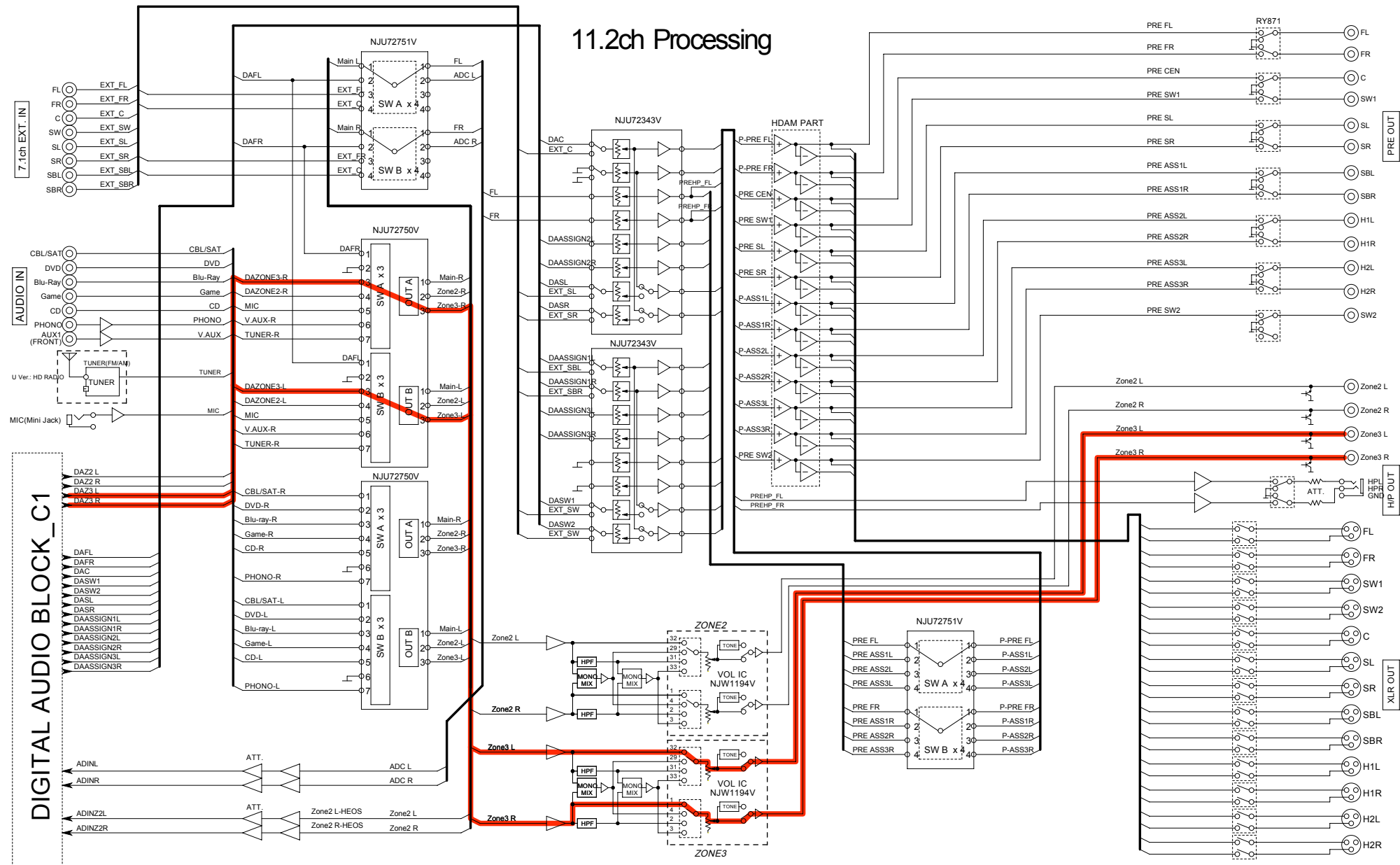
Updating



fig.04a

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

Mechanical

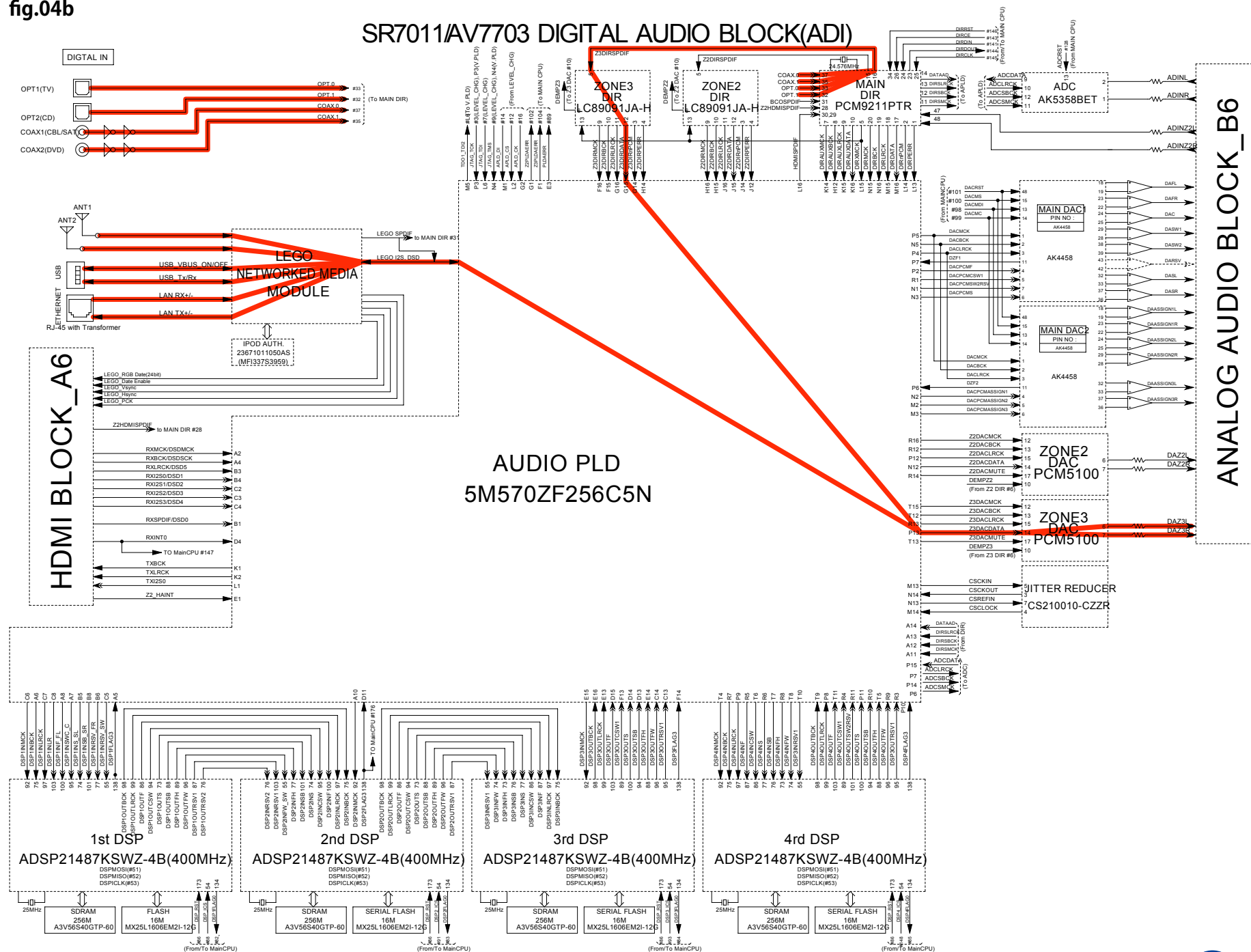
Repair Information

Updating



fig.04b

SR7011/AV7703 DIGITAL AUDIO BLOCK(ADI)



Caution in servicing

Electrical

Mechanical

Repair Information

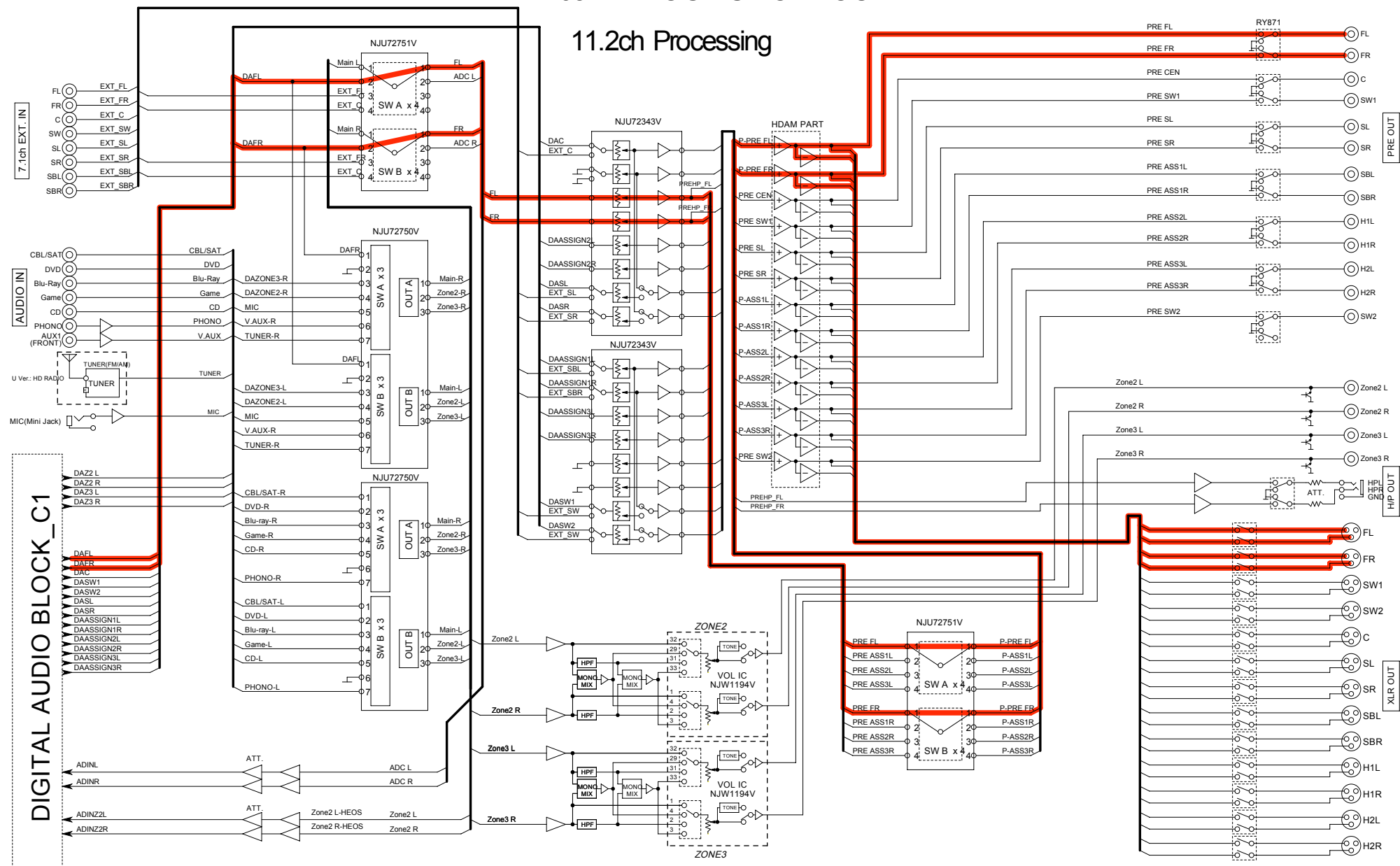
Updating



fig.05a

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

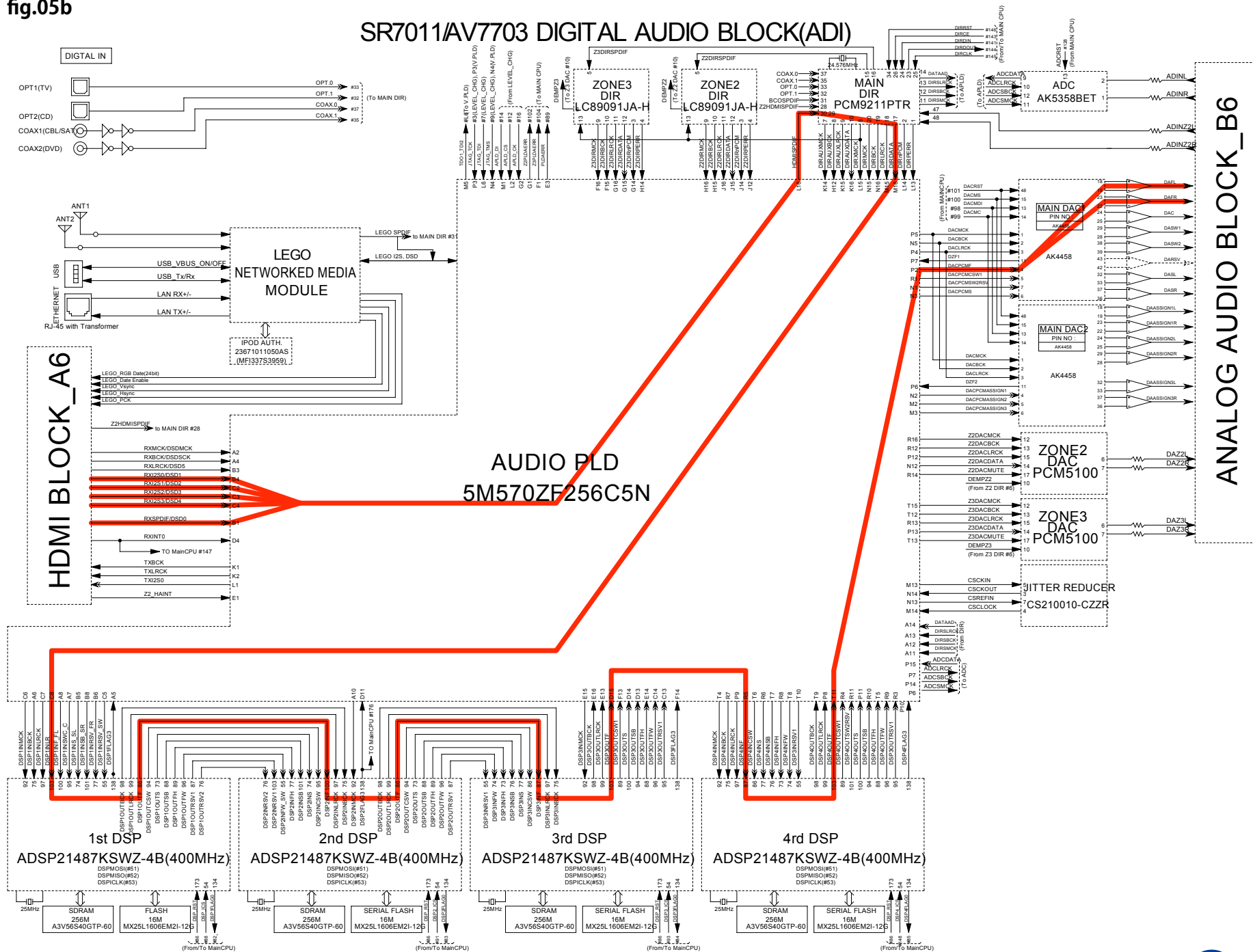
Mechanical

Repair Information

Updating



fig.05b

Caution in
servicing

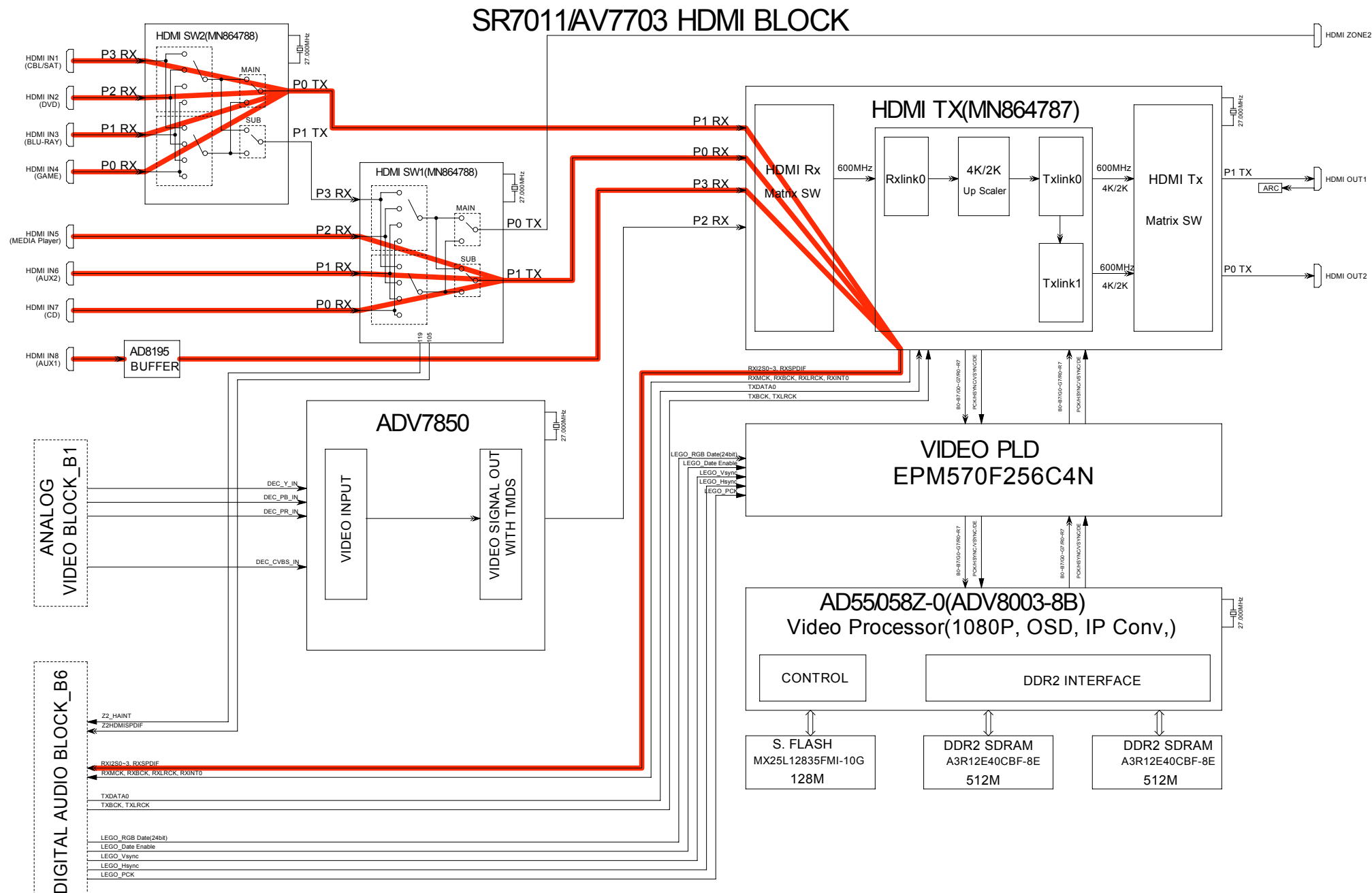
Electrical

Mechanical

Repair Information

Updating

fig.05c

Caution in
servicing

Electrical

Mechanical

Repair Information

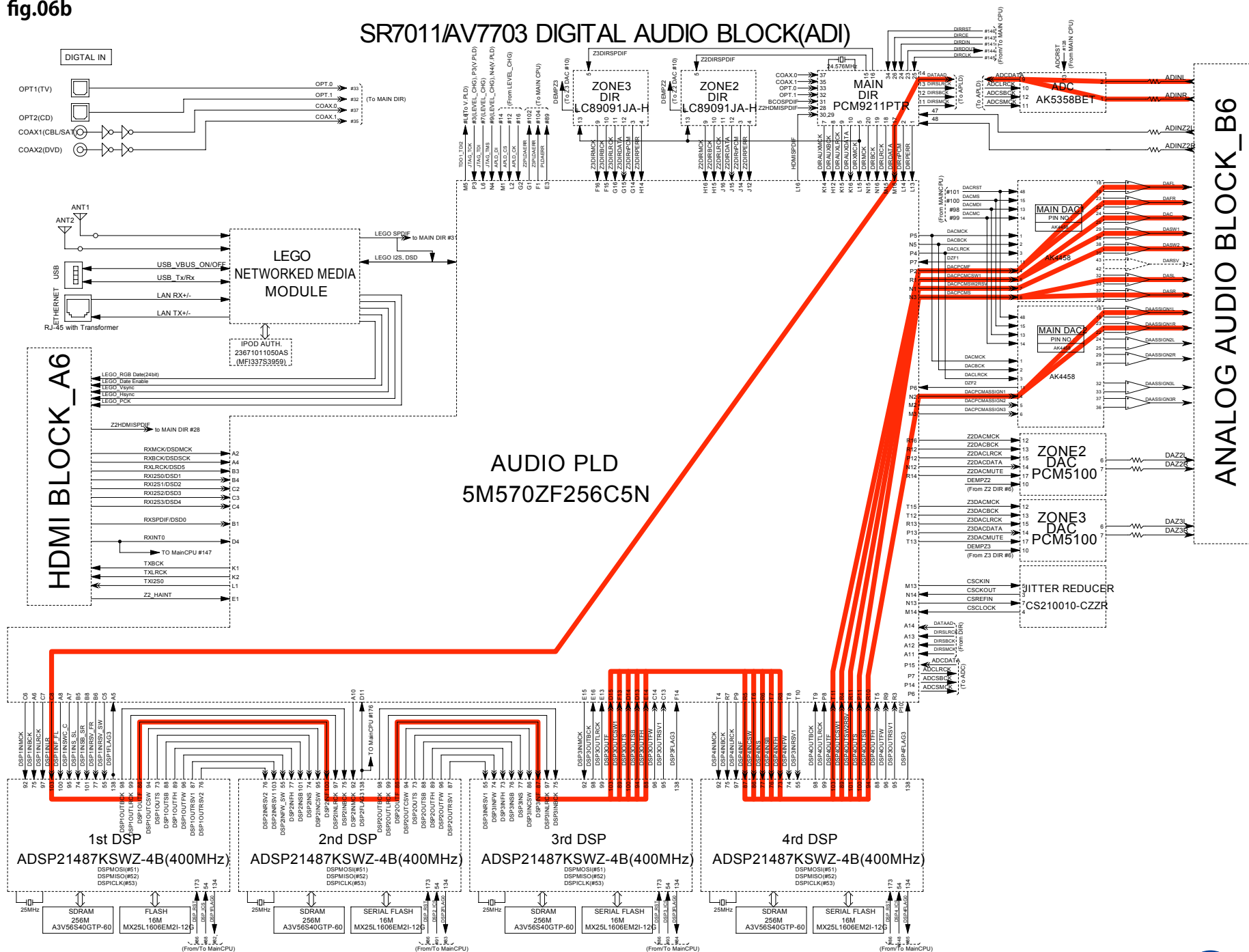
Updating



AV7703 ANALOG AUDIO BLOCK



fig.06b

Caution in
servicing

Electrical

Mechanical

Repair Information

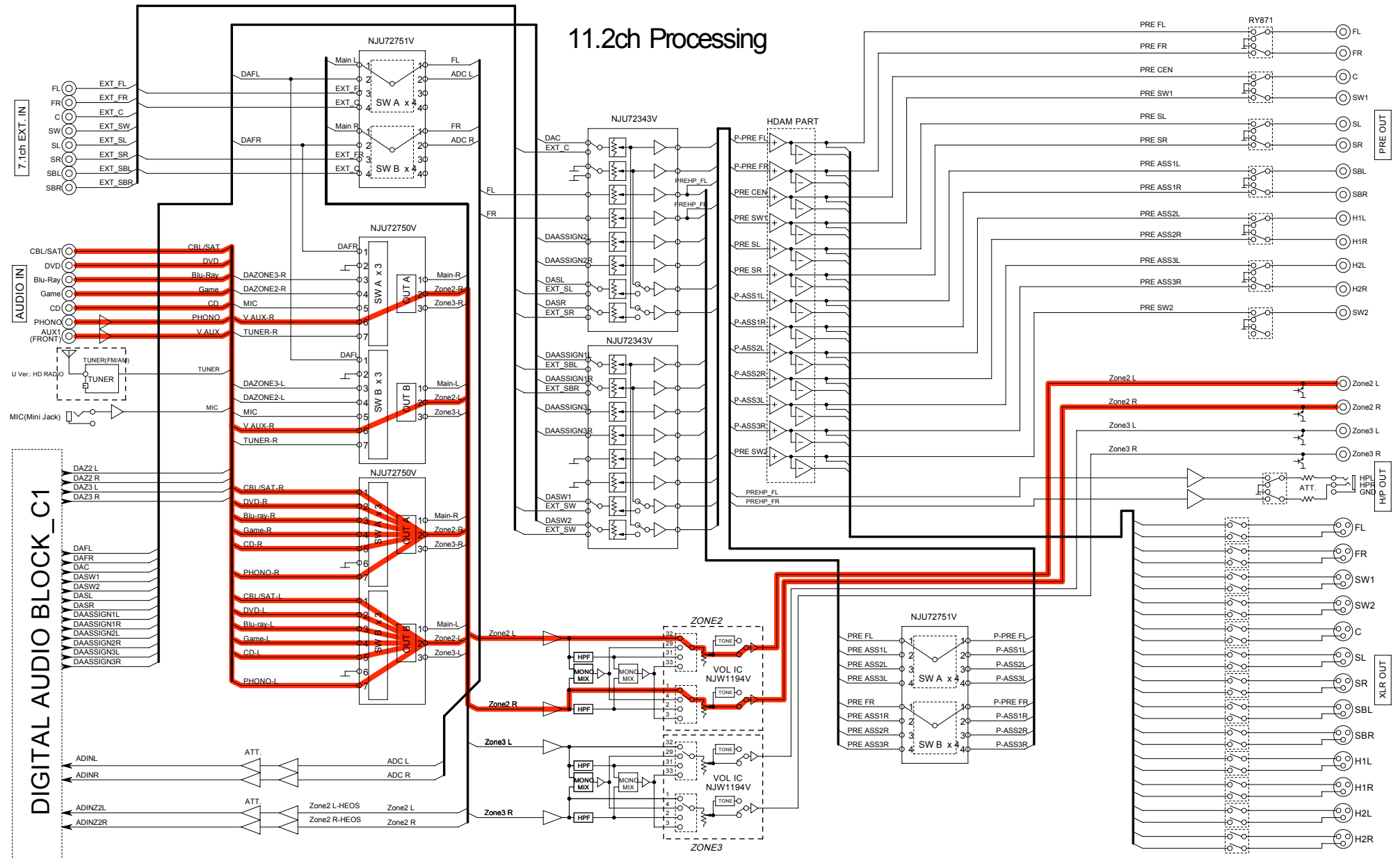
Updating



fig.07

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

Mechanical

Repair Information

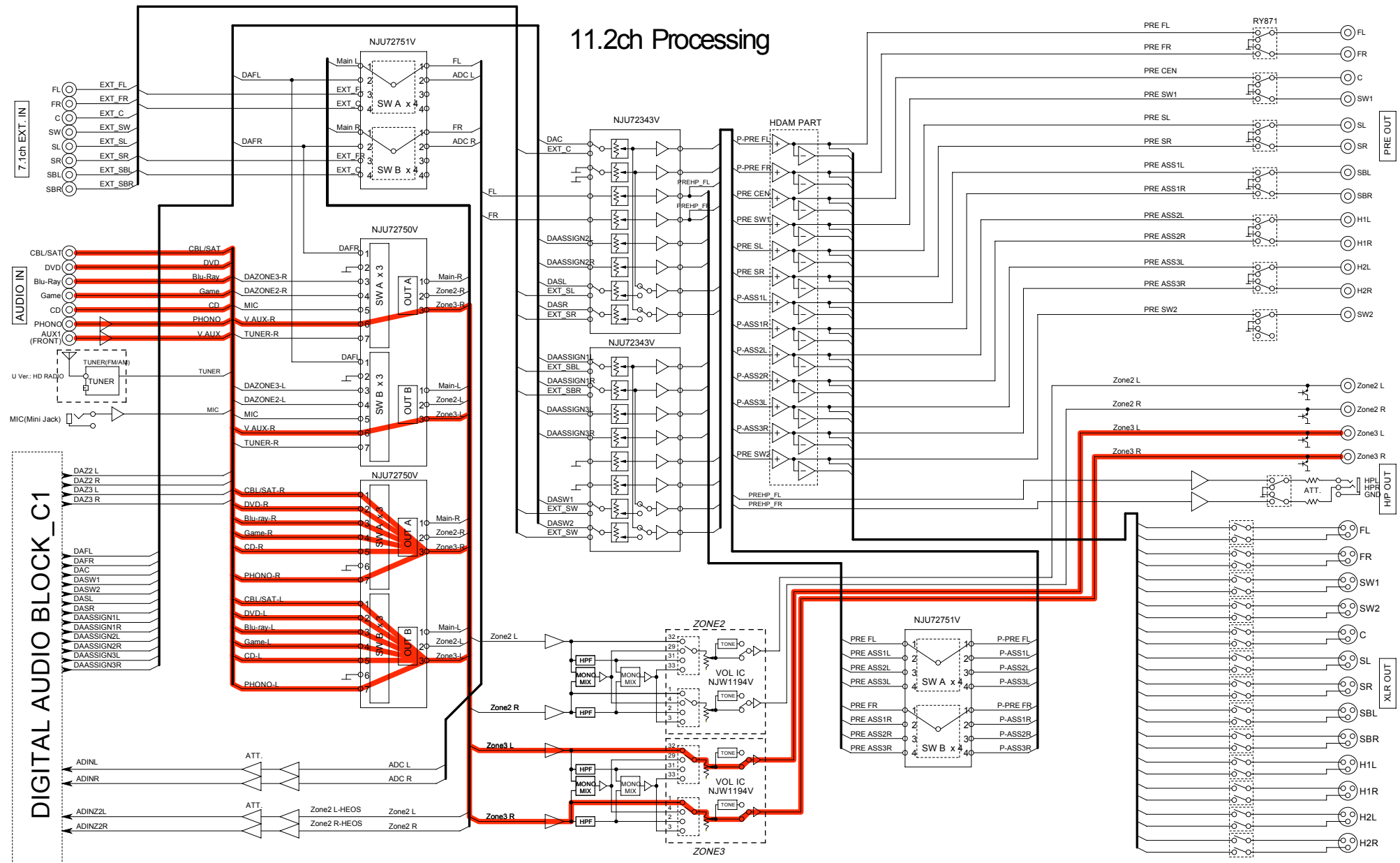
Updating



fig.08

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

Mechanical

Repair Information

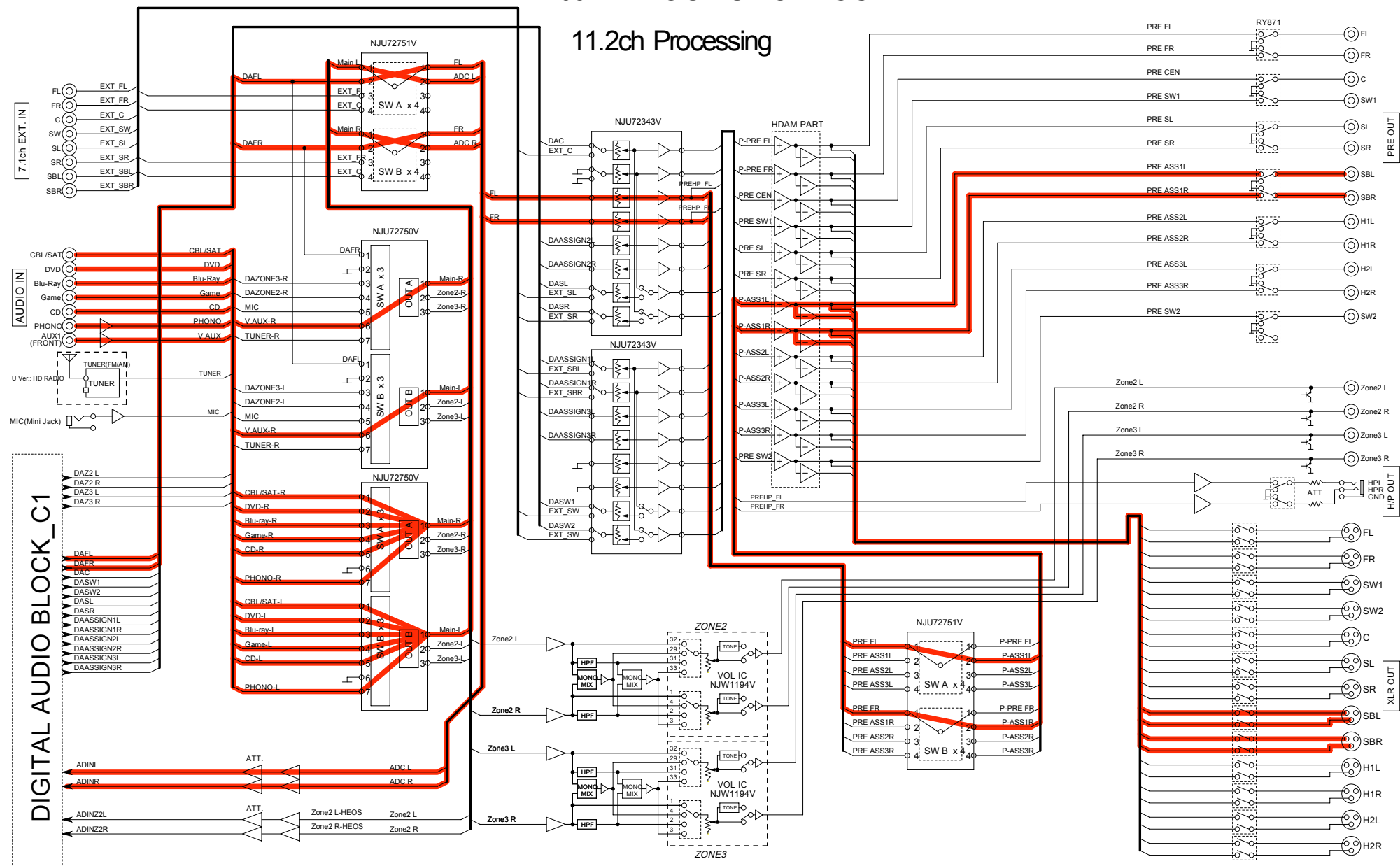
Updating



fig.09a

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

Mechanical

Repair Information

Updating



fig.09b



Electrical

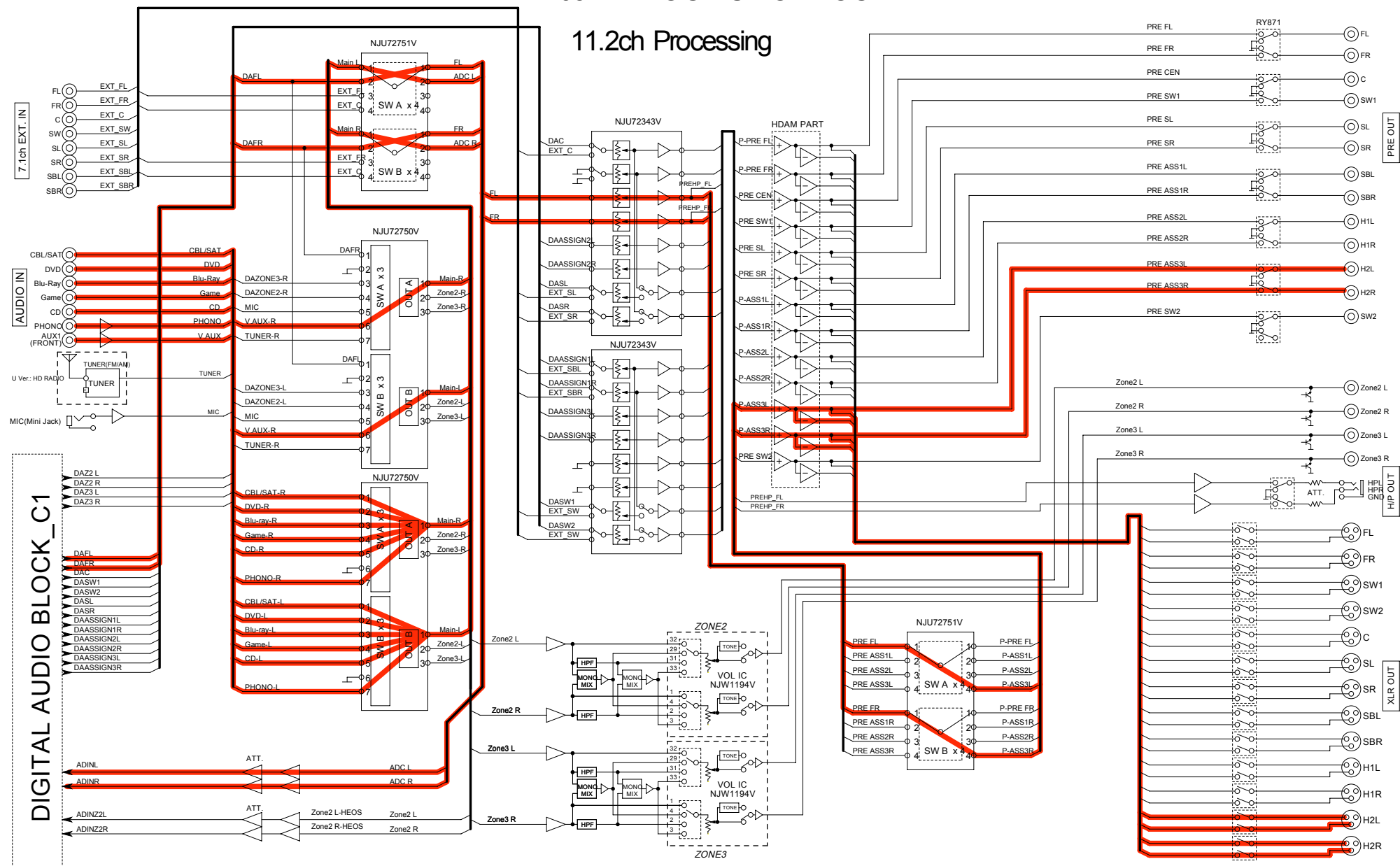
Repair Information

Updating

fig.10a

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

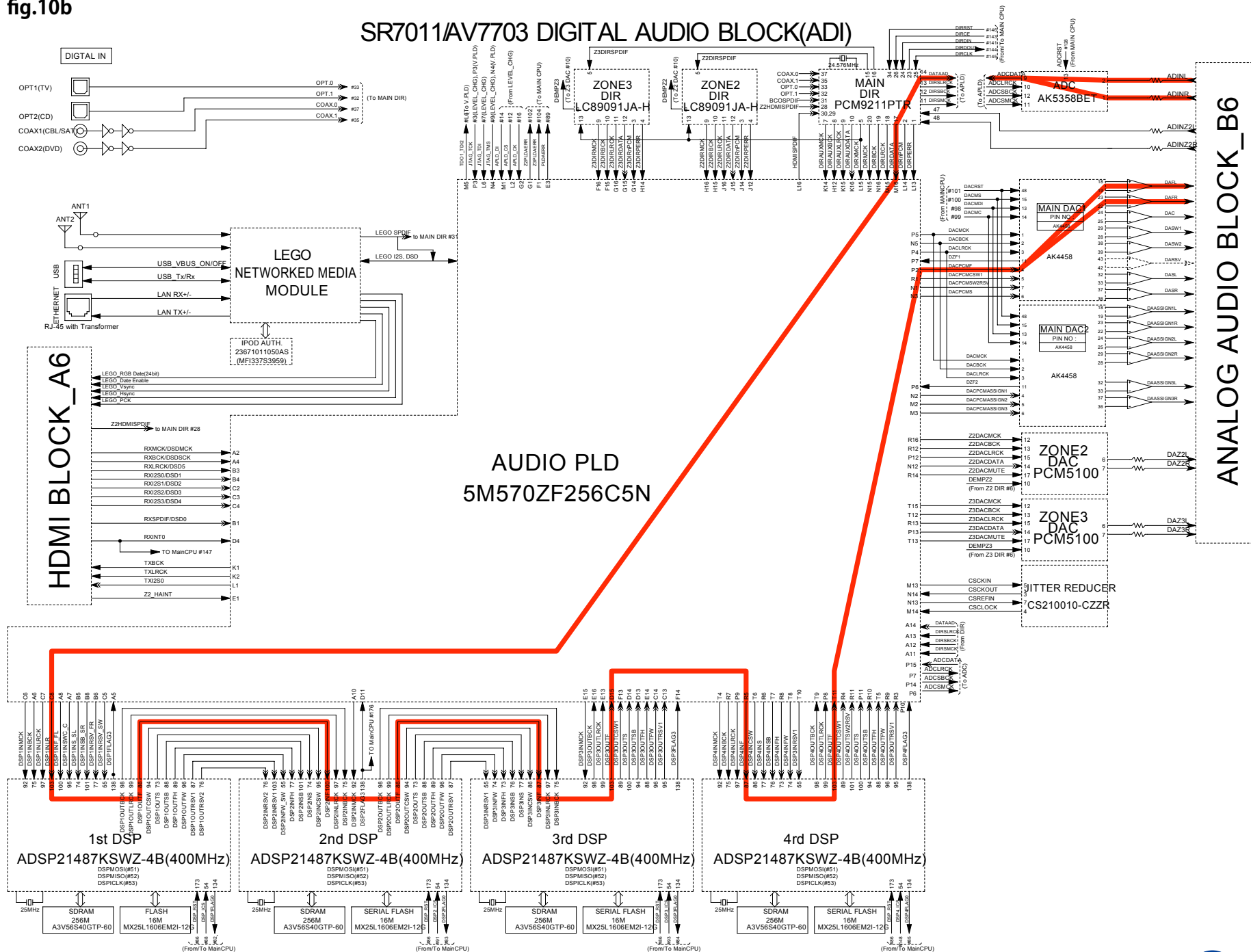
Mechanical

Repair Information

Updating



fig.10b



Caution in
servicing

Electrical

Mechanical

Repair Information

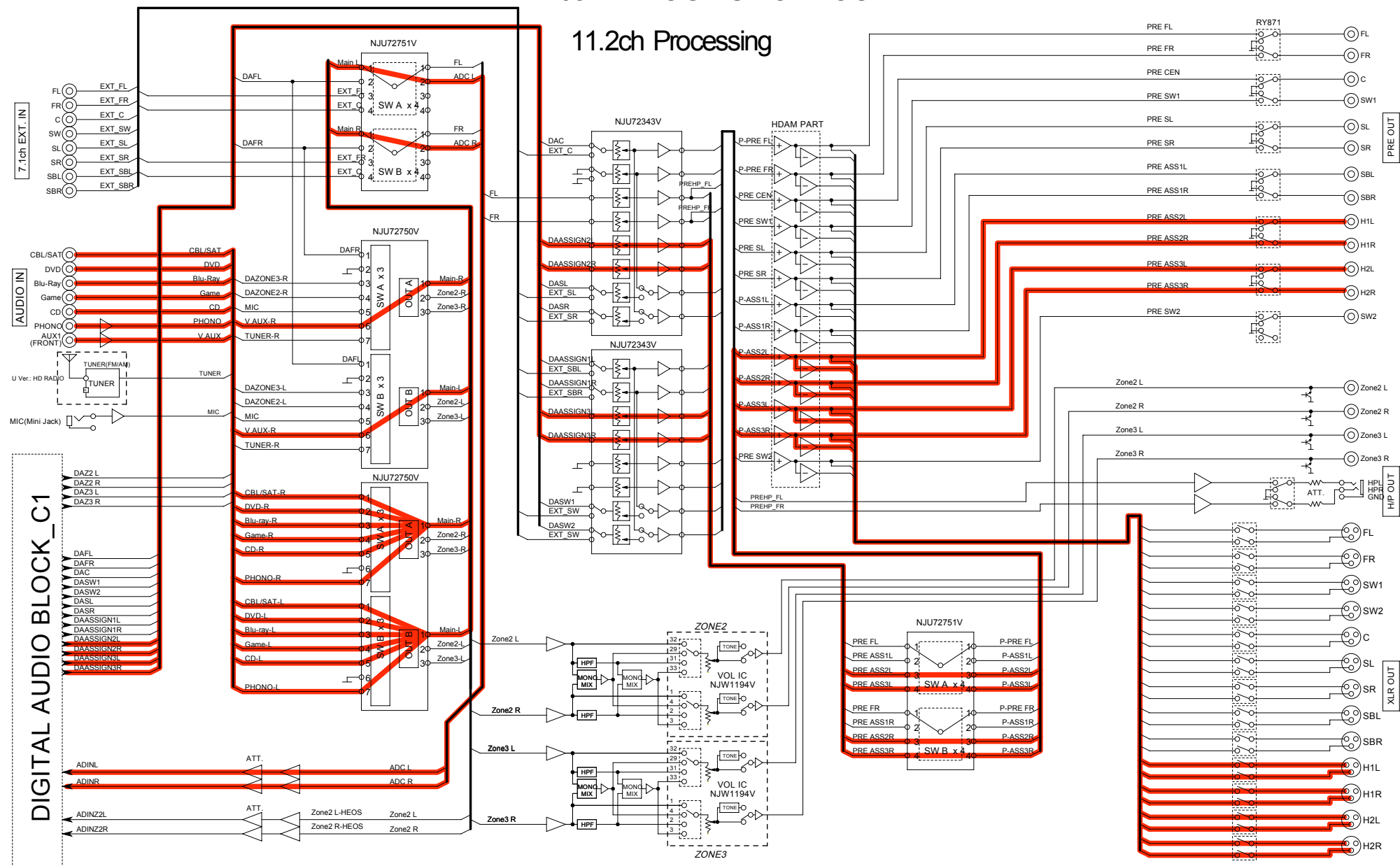
Updating



fig.11a

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

Mechanical

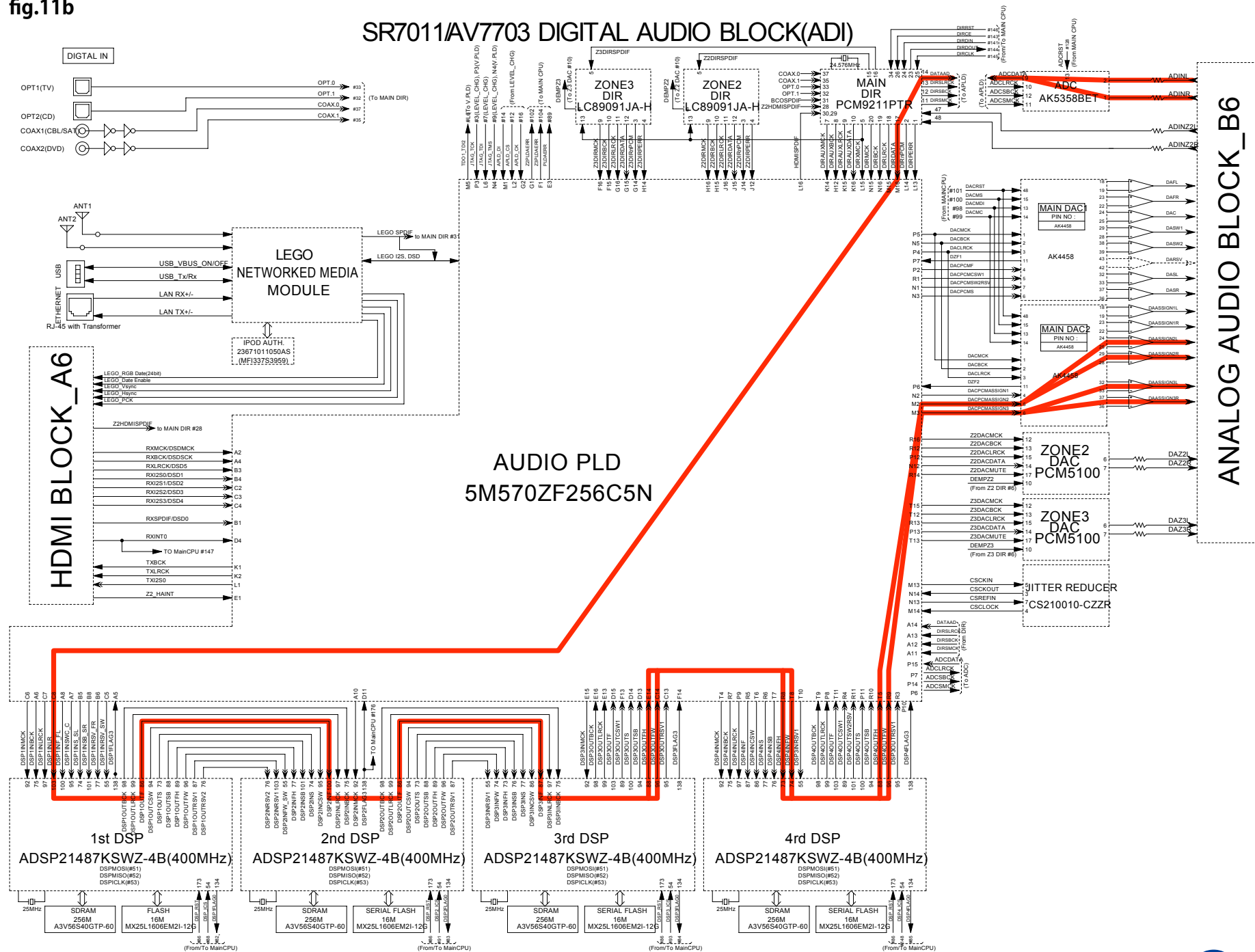
Repair Information

Updating



fig.11b

SR7011/AV7703 DIGITAL AUDIO BLOCK(ADI)



Caution in servicing

Electrical

Mechanical

Repair Information

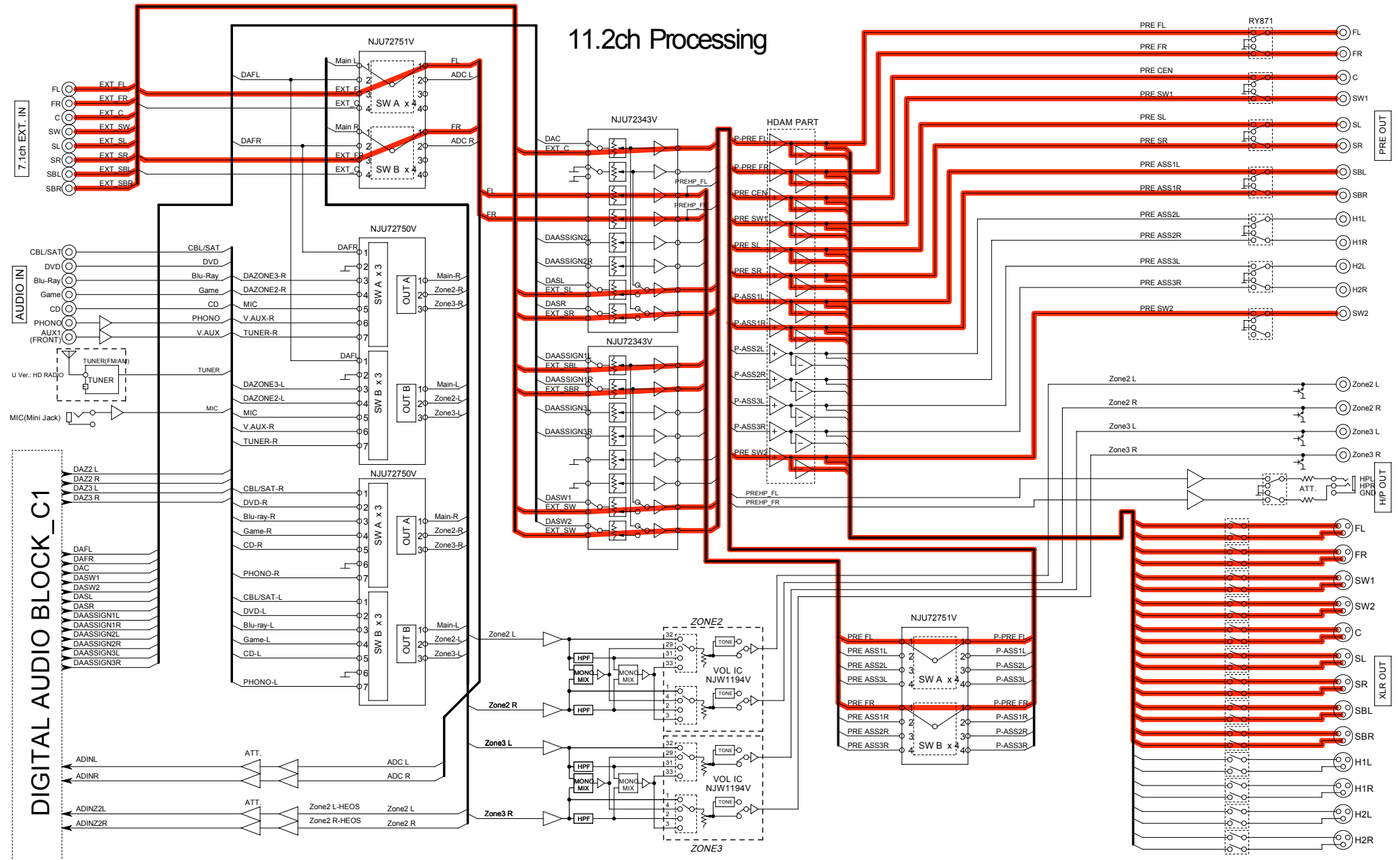
Updating



fig.12

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing



Caution in
servicing

Electrical

Mechanical

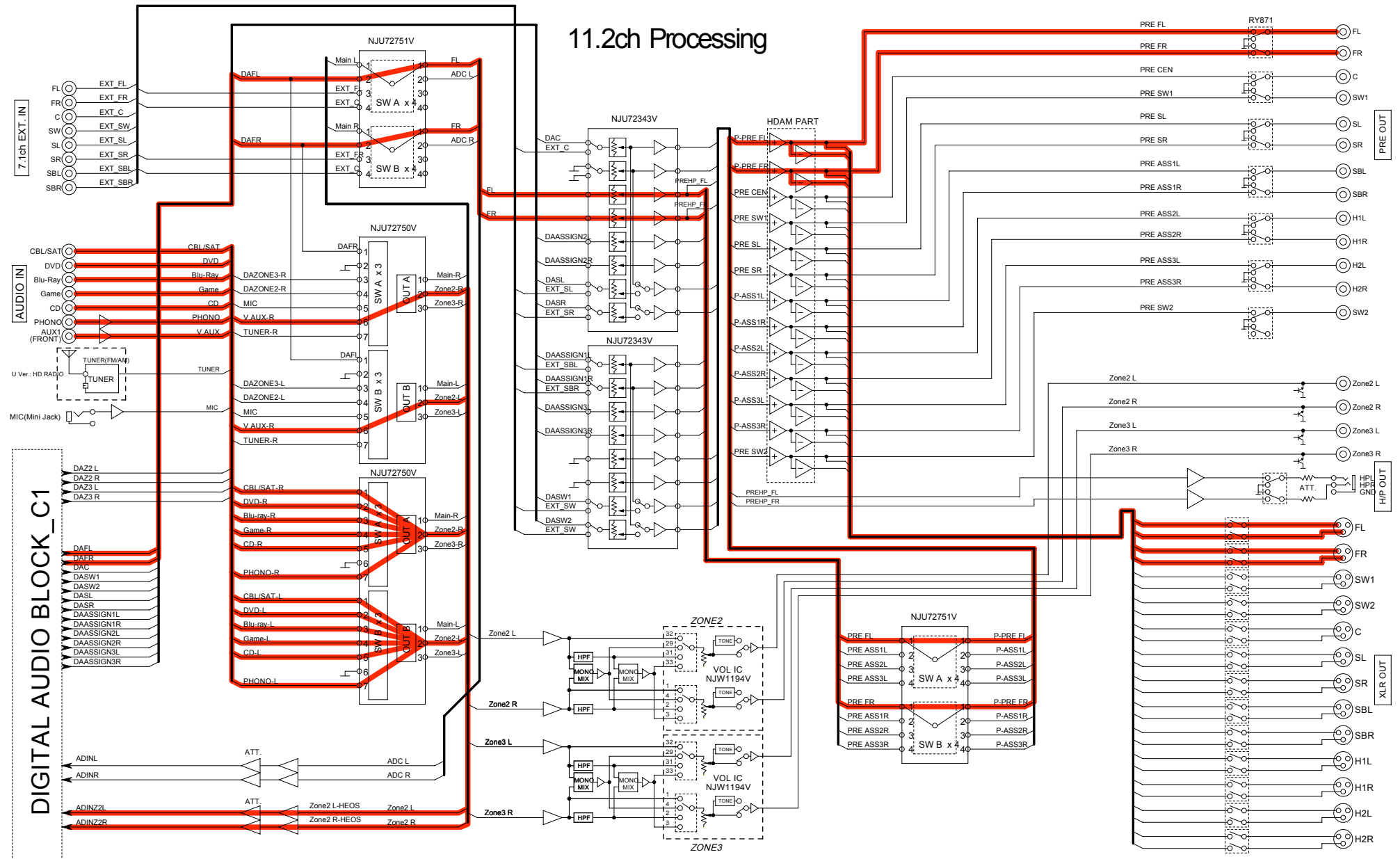
Repair Information

Updating

fig.13a

AV7703 ANALOG AUDIO BLOCK

11.2ch Processing

Caution in
servicing

Electrical

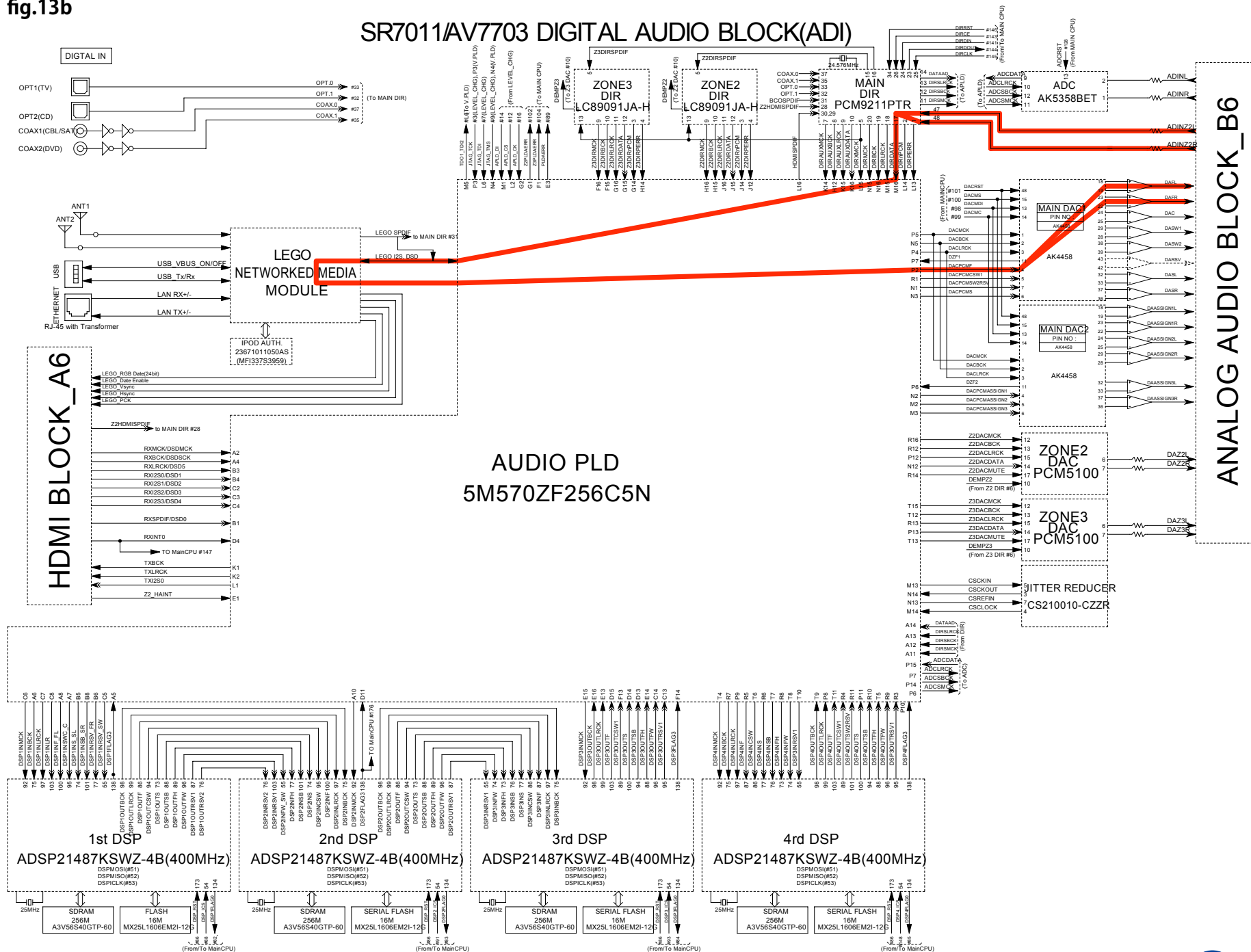
Mechanical

Repair Information

Updating



fig.13b

Caution in
servicing

Electrical

Mechanical

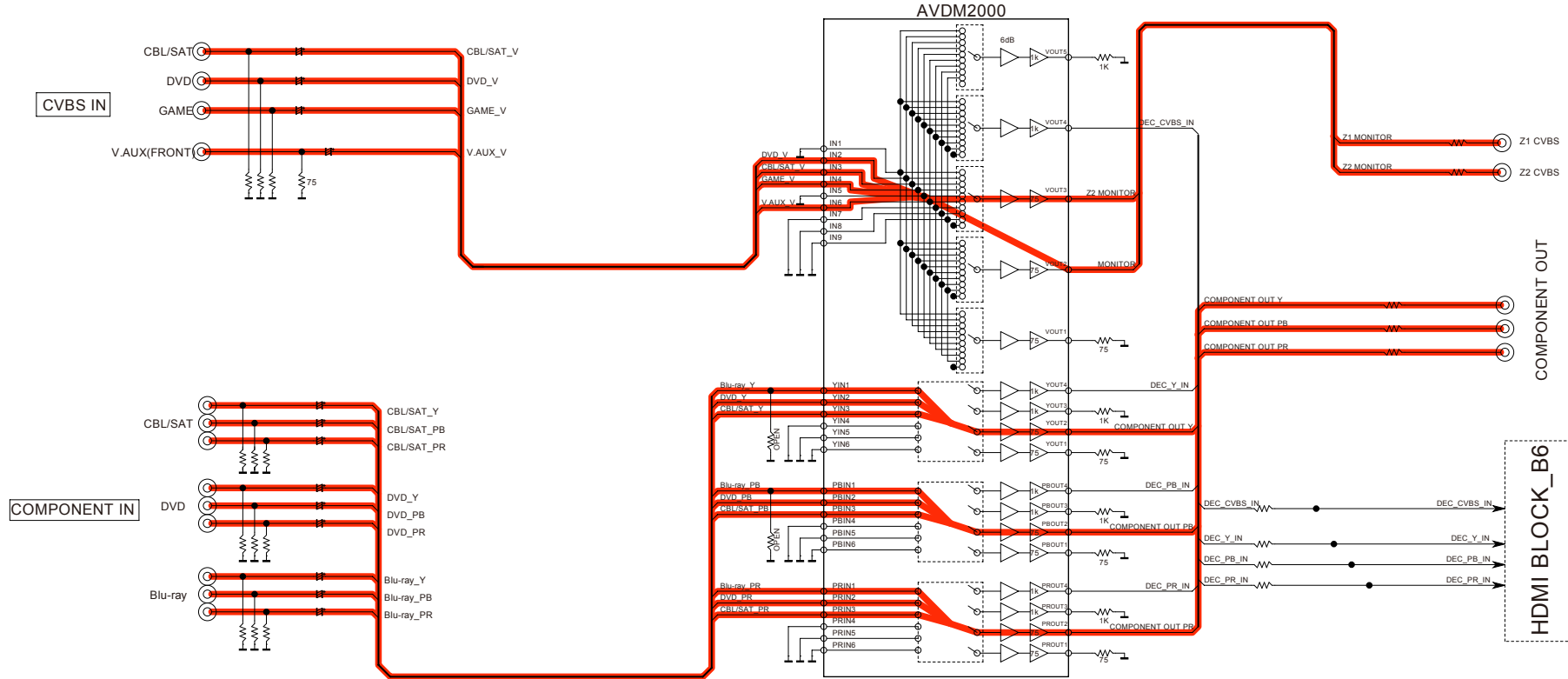
Repair Information

Updating



fig.14

SR7011/AV7703 ANALOG VIDEO BLOCK



Caution in
servicing

Electrical

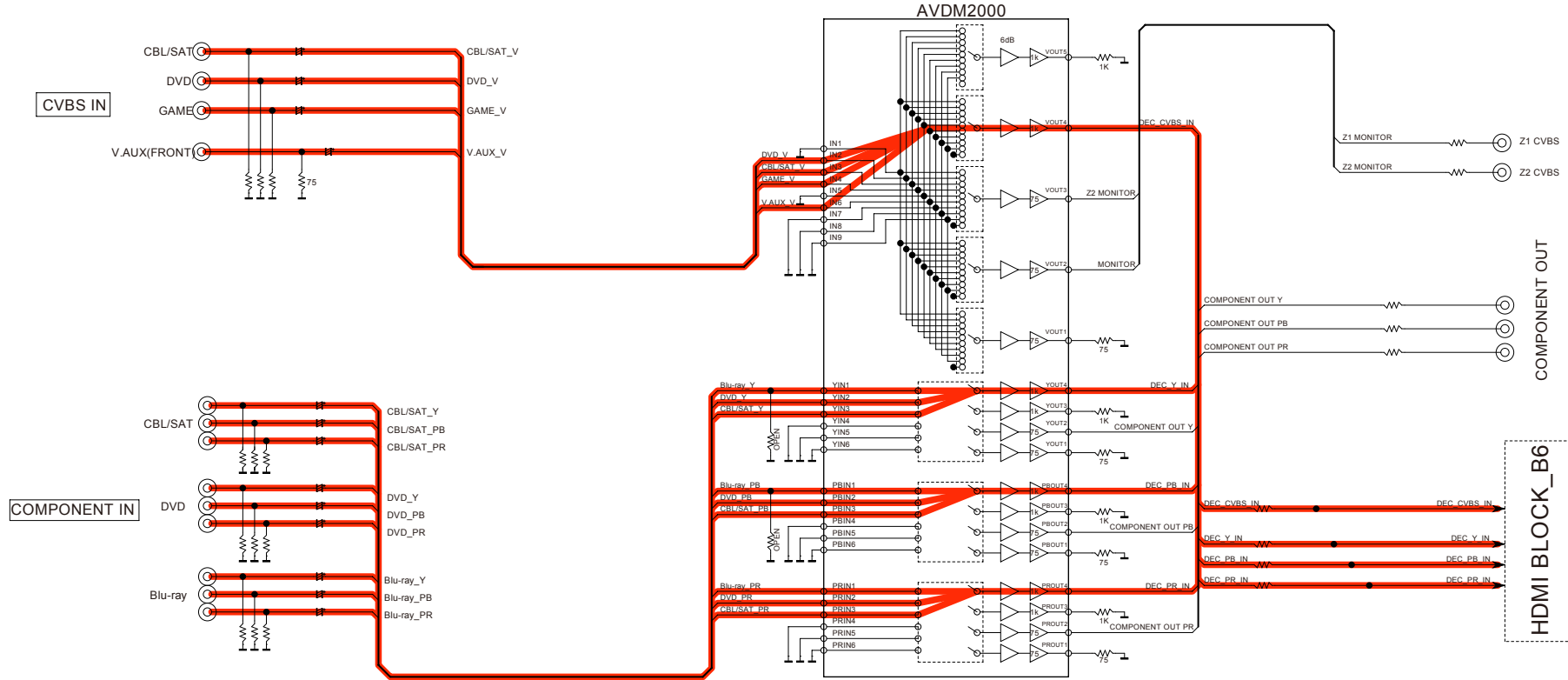
Mechanical

Repair Information

Updating

fig.15a

SR7011/AV7703 ANALOG VIDEO BLOCK



Caution in
servicing

Electrical

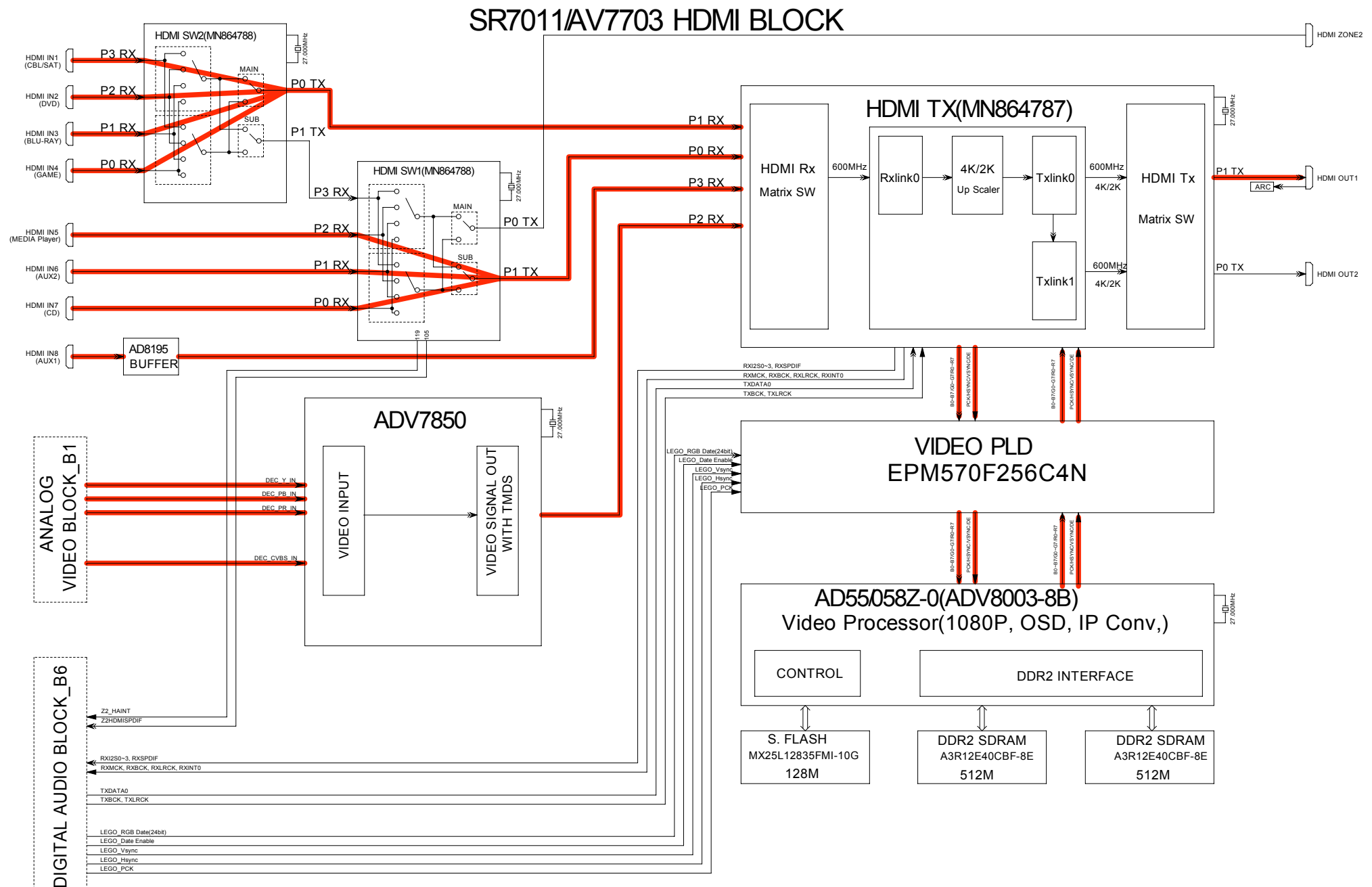
Mechanical

Repair Information

Updating



fig.15b

Caution in
servicing

Electrical

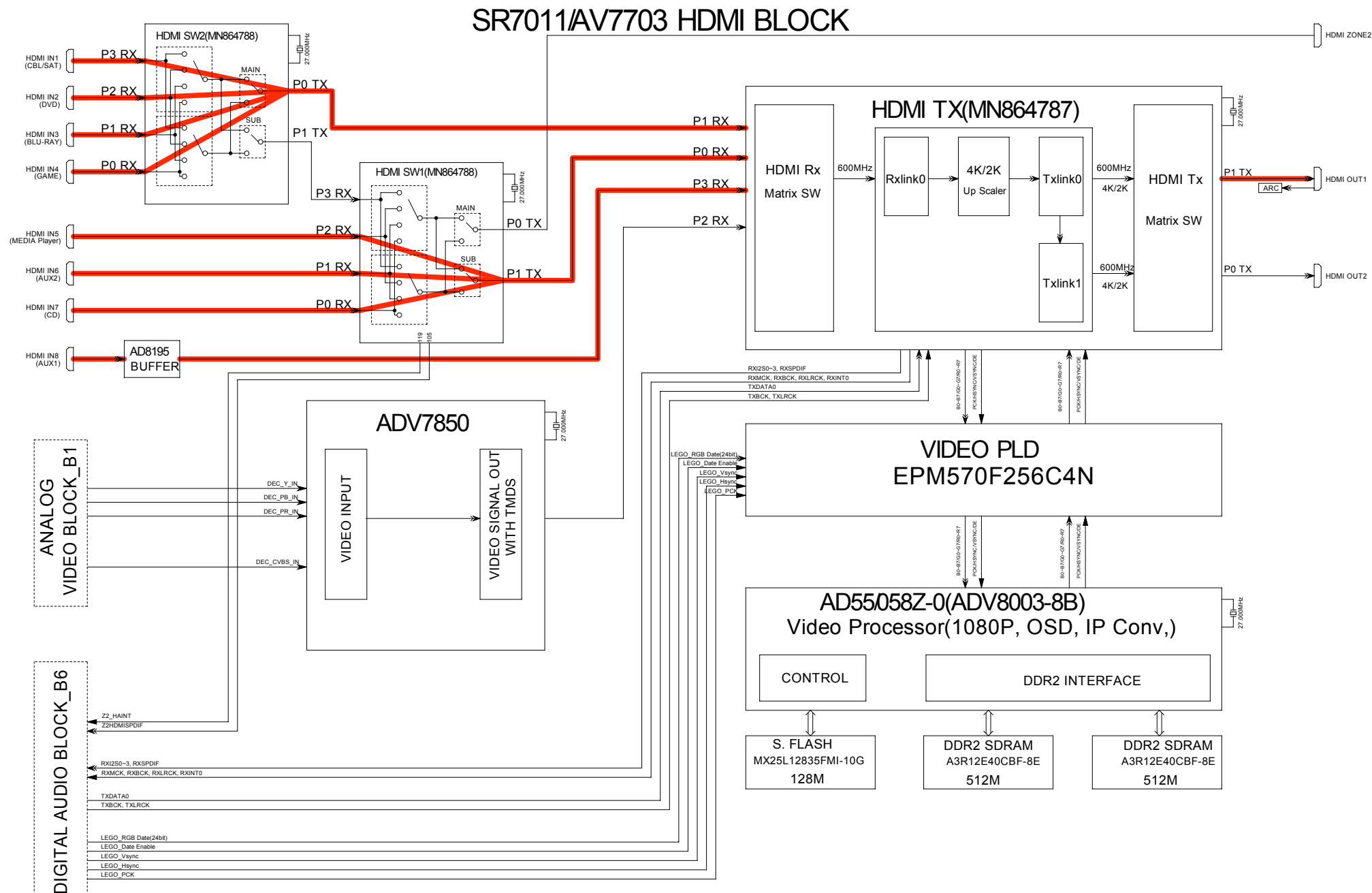
Mechanical

Repair Information

Updating



fig.16



Caution in
servicing

Electrical

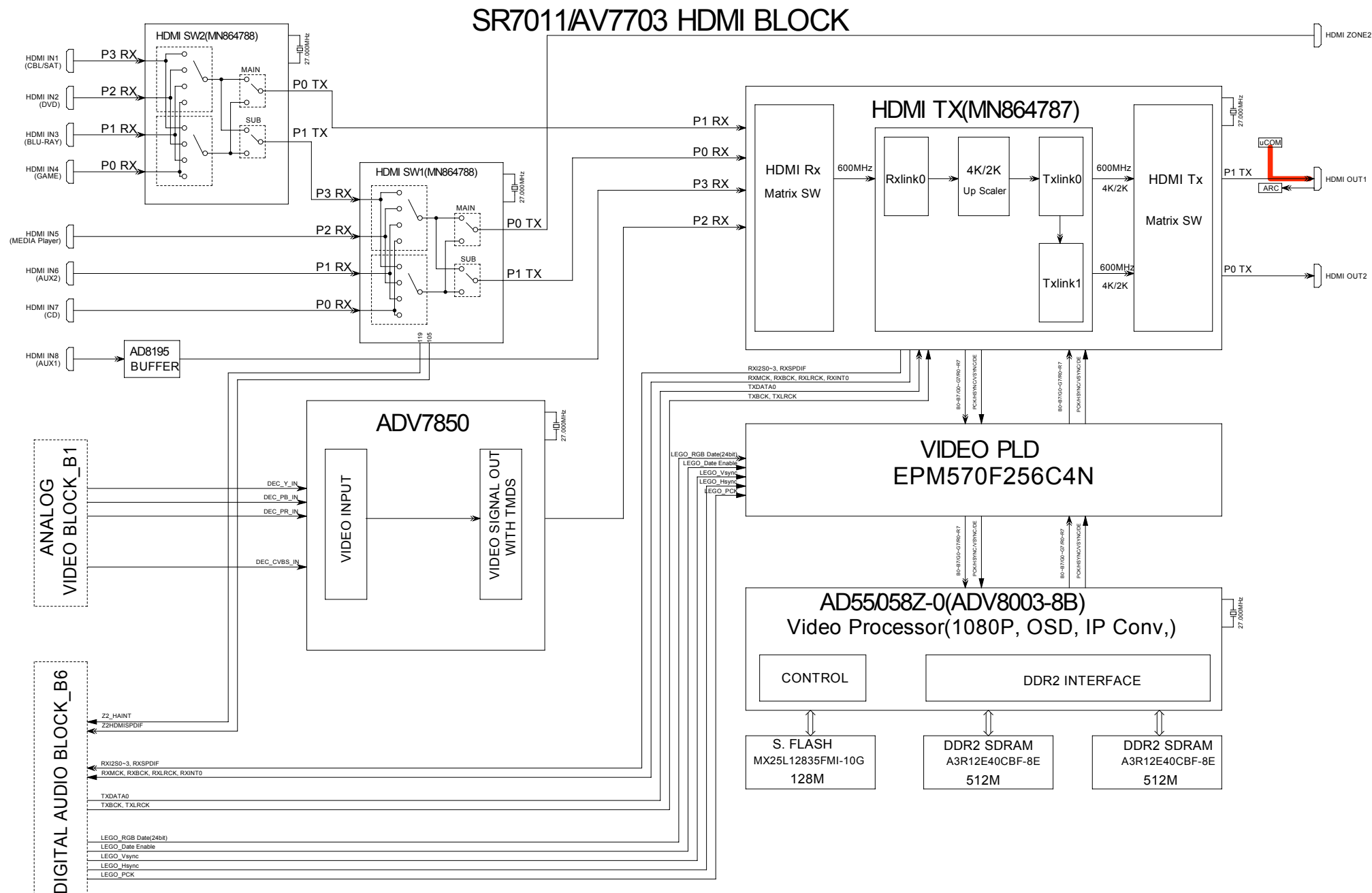
Mechanical

Repair Information

Updating



fig.17



DIGITAL AUDIO BLOCK_C1

11.2ch Processing

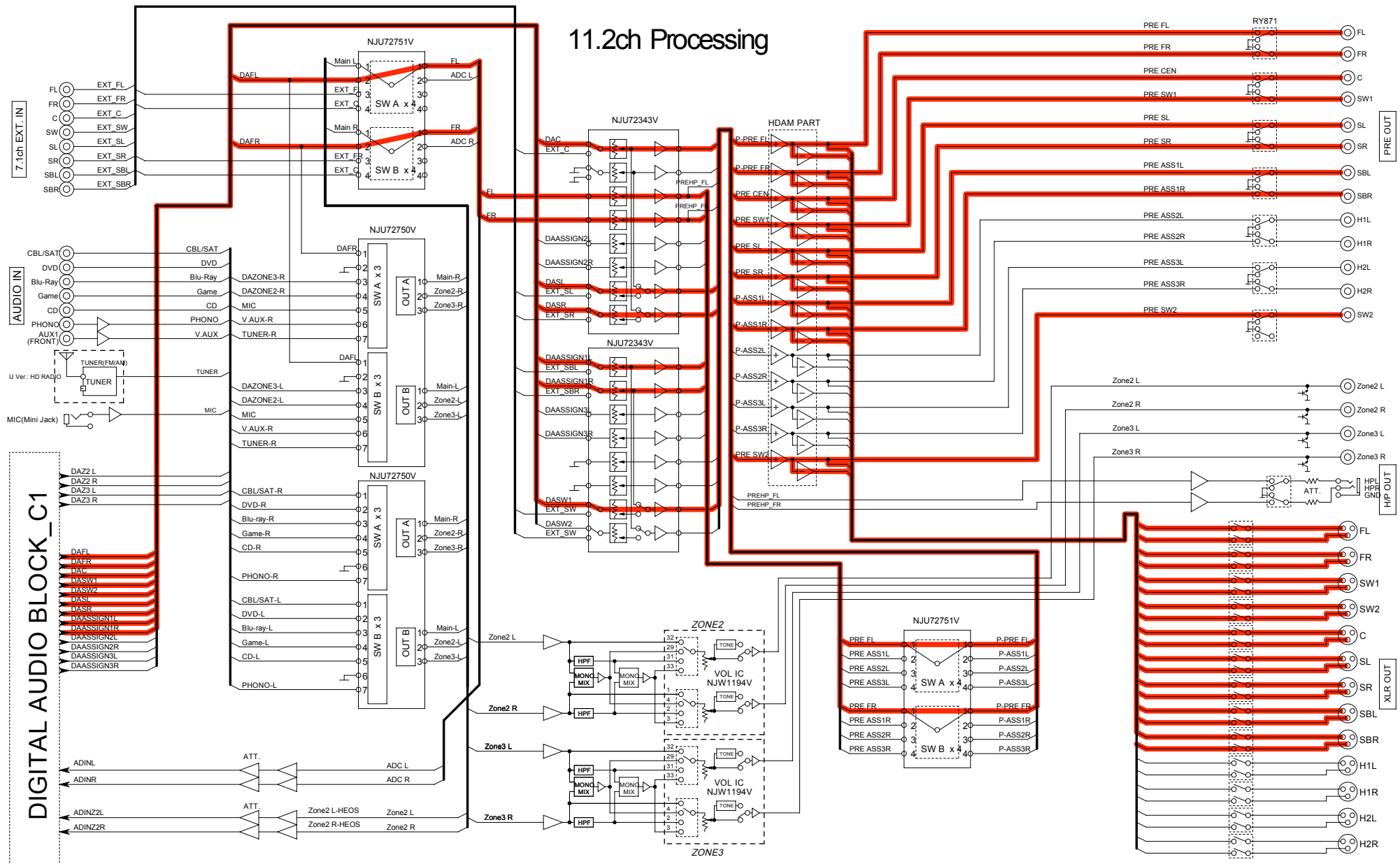
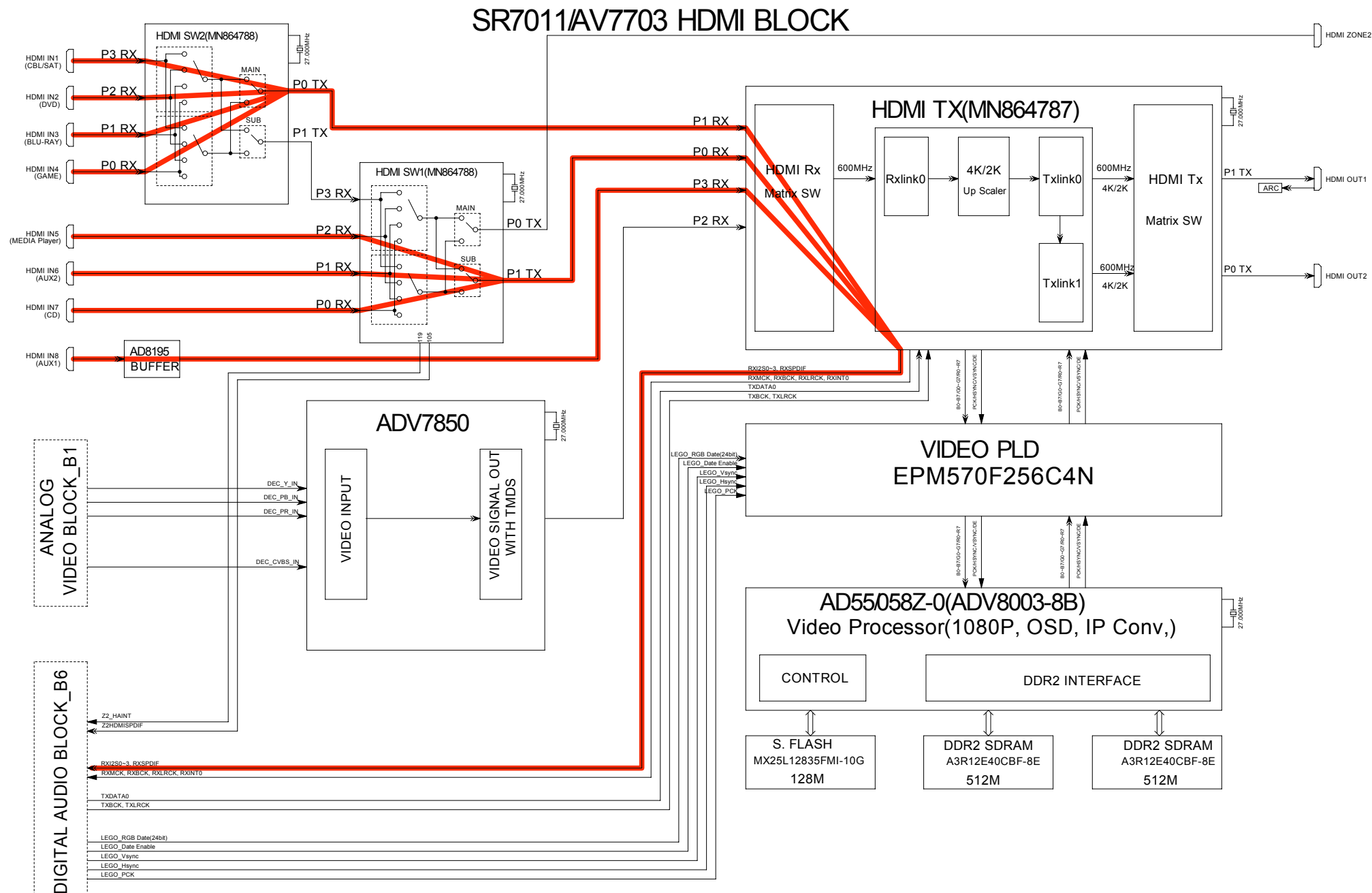


fig.18c



Caution in
servicing

Electrical

Mechanical

Repair Information

Updating



fig.19a

SR7011/AV7703 DIGITAL AUDIO BLOCK(ADI)

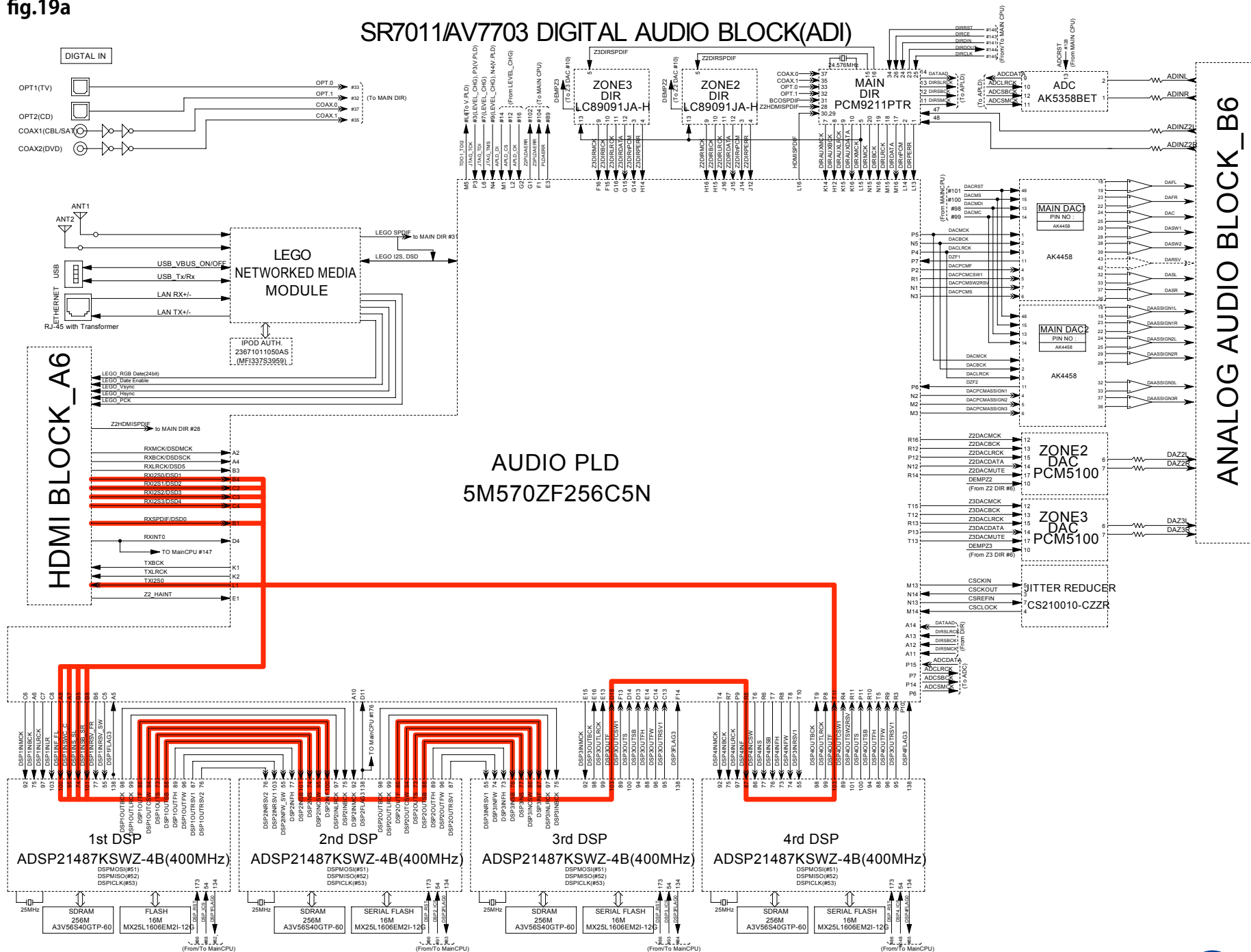
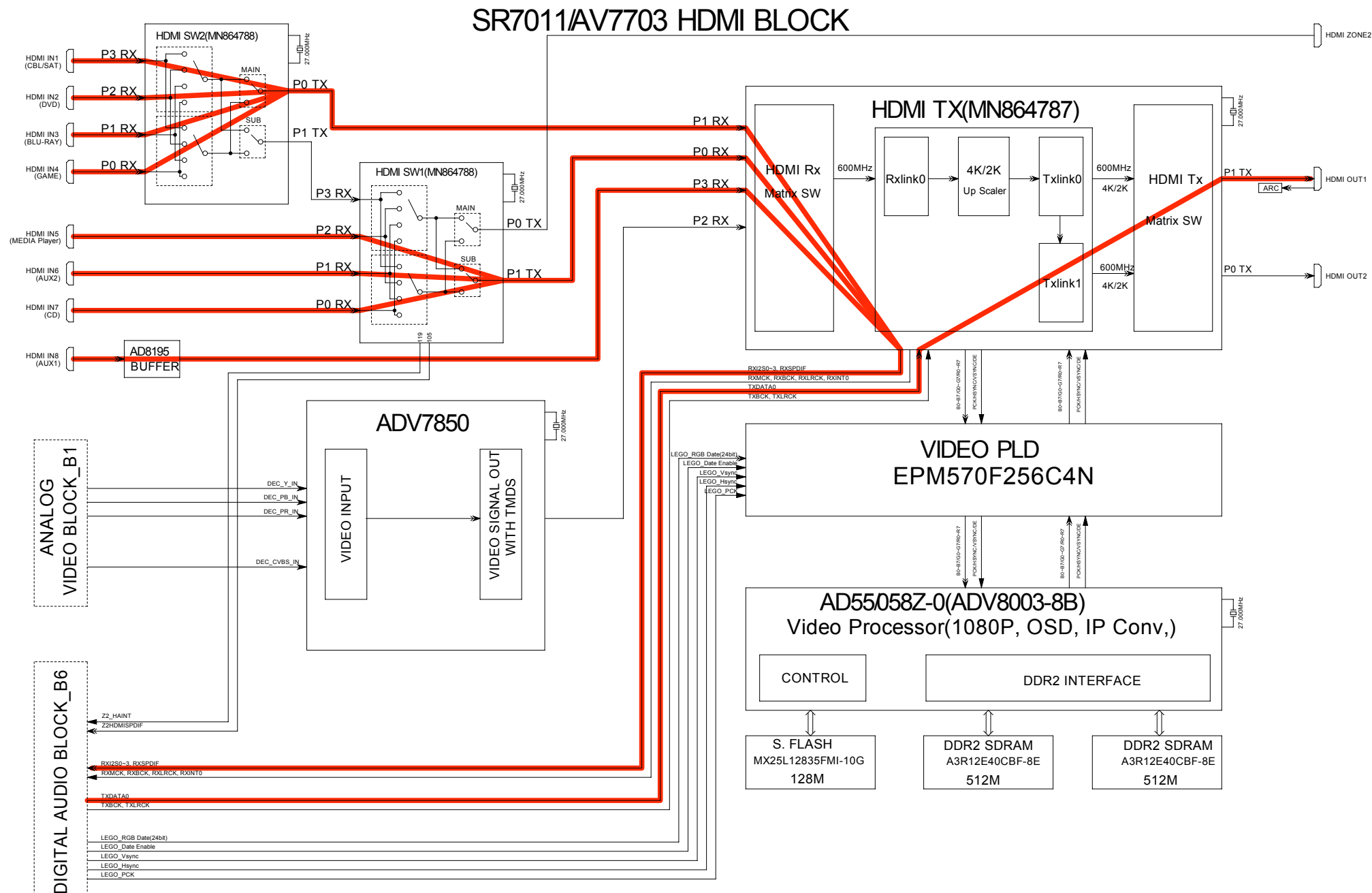


fig.19b



Caution in
servicing

Electrical

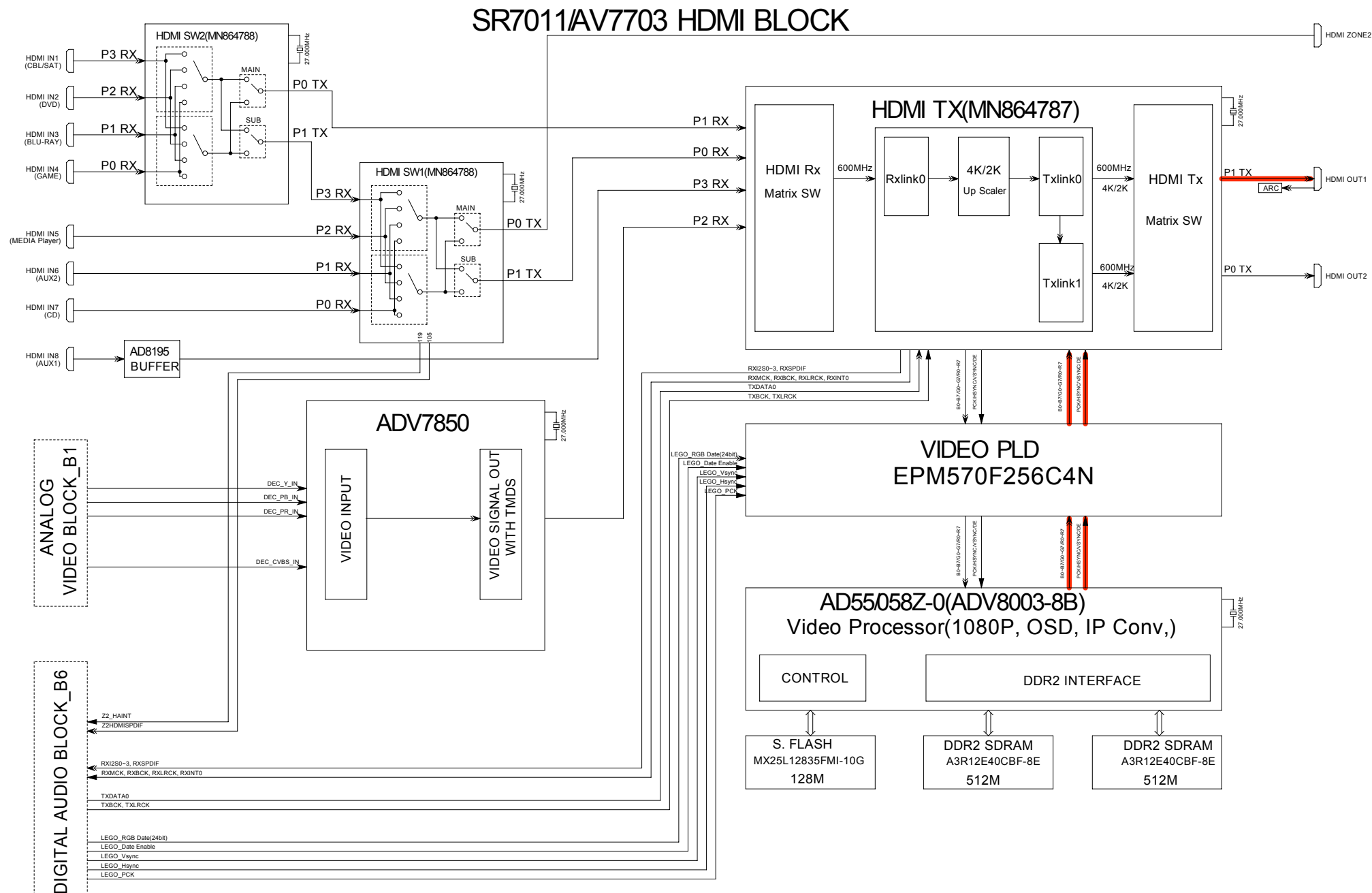
Mechanical

Repair Information

Updating



fig.20



Caution in
servicing

Electrical

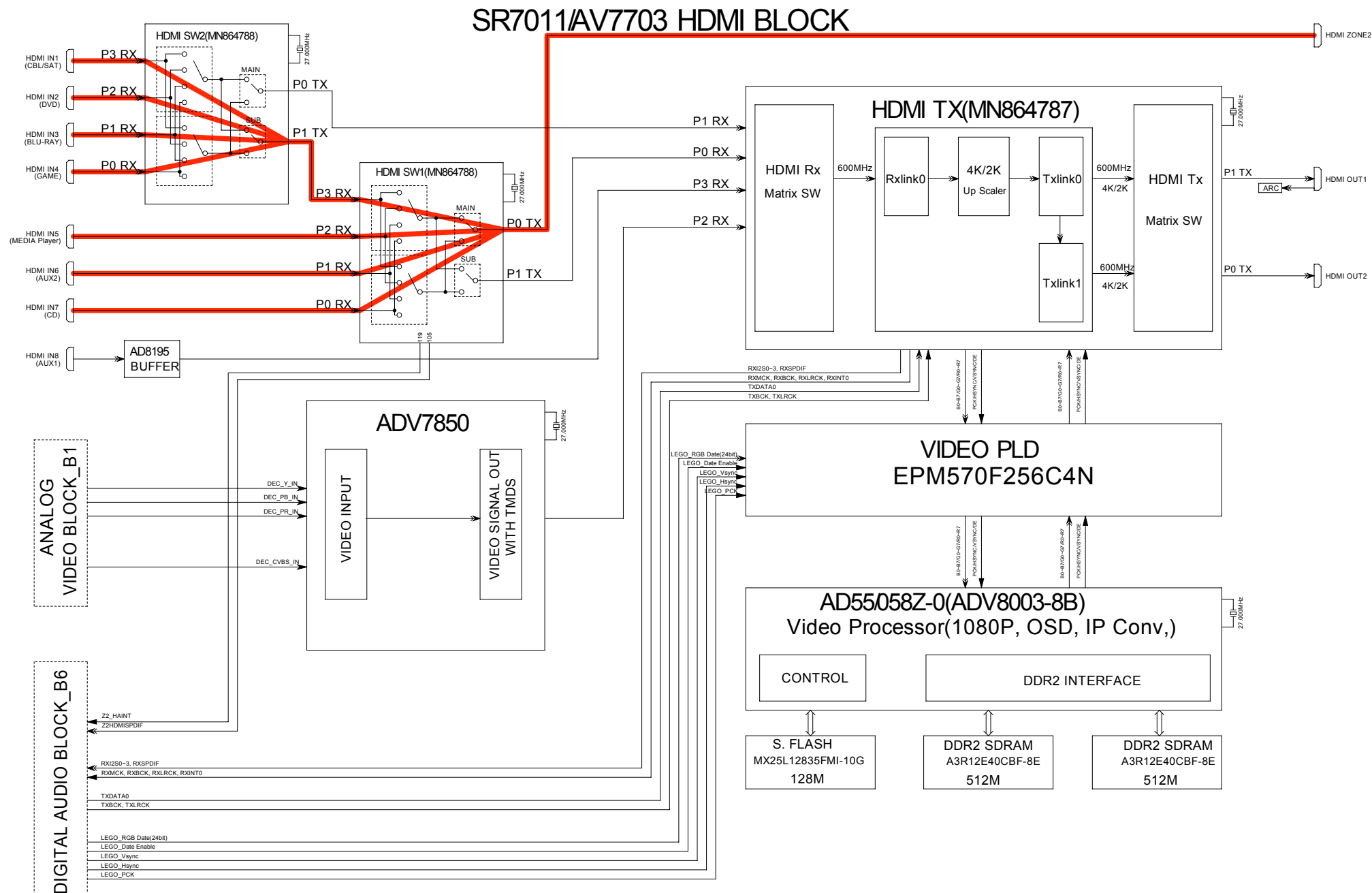
Mechanical

Repair Information

Updating



fig.21



Caution in
servicing

Electrical

Mechanical

Repair Information

Updating



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 DIGITAL PCB

---Items to Be Prepared---

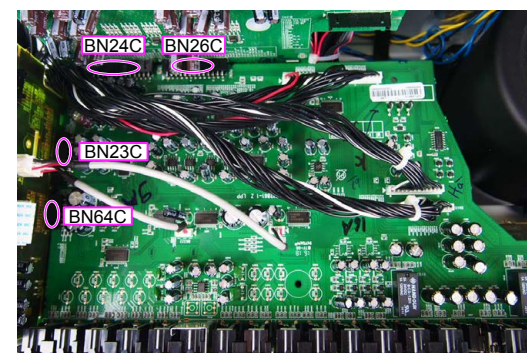
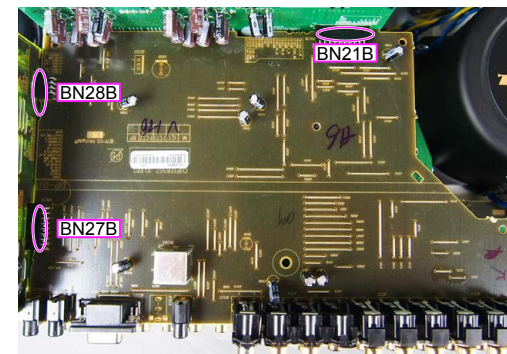
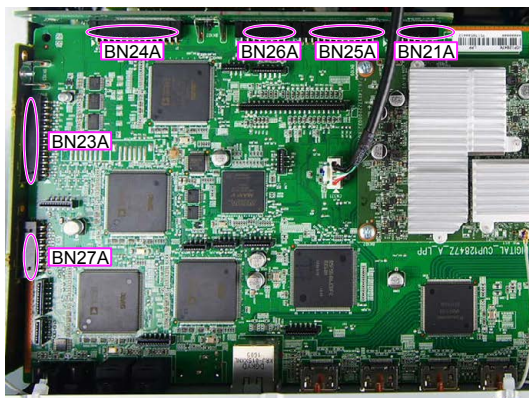
8U-110084S : EXTENSION UNIT KIT	:	1 Set
8U-110136S : EXTENSION UNIT KIT	:	1 Set
Insulation sheet (Not supplied)	:	3 sheets
Ground lead (Not supplied)	:	3 pc

-Proceeding-

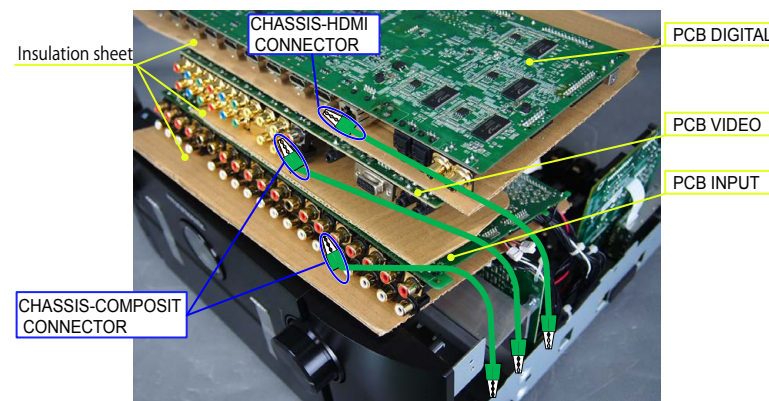
(1) Remove the screws.



(2) Remove the connector PCB.



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



Caution in
servicing

Electrical

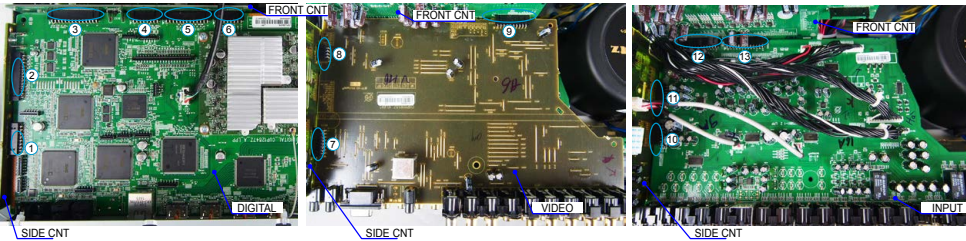
Mechanical

Repair Information

Updating



(4) Connect the expansion cables.



Board-to-Board Connections

No.	Pin	Ref. No.	PCB		Ref. No.	PCB
①	15pin	CN27A	SIDE CNT	↔	BN27A	DIGITAL
②	25pin	CN23A	SIDE CNT	↔	BN23A	DIGITAL
③	27pin	CN24A	FRONT CNT	↔	BN24A	DIGITAL
④	15pin	CN26A	FRONT CNT	↔	BN26A	DIGITAL
⑤	25pin	CN25A	FRONT CNT	↔	BN25A	DIGITAL
⑥	15pin	CN21A	FRONT CNT	↔	BN21A	DIGITAL
⑦	15pin	CN27B	SIDE CNT	↔	BN27B	VIDEO
⑧	7pin	CN28B	SIDE CNT	↔	BN28B	VIDEO
⑨	19pin	CN21B	FRONT CNT	↔	BN21B	VIDEO
⑩	11pin	CN64C	SIDE CNT	↔	BN64C	INPUT
⑪	19pin	CN23C	SIDE CNT	↔	BN23C	INPUT
⑫	27pin	CN24C	FRONT CNT	↔	BN24C	INPUT
⑬	25pin	CN26C	FRONT CNT	↔	BN26C	INPUT

UPDATING

PROCEDURE AFTER REPLACING THE DIGITAL PCB.

PROCEDURE AFTER REPLACING THE U-COM, ETC.

FIRMWARE UPDATE PROCEDURE

1. Items necessary for update
2. Update preparation with a USB flash drive
3. Update method when the DIGITAL PCB or network module is replaced (Using a USB flash drive)
4. Update Method for Service Region Settings
5. Normal Firmware Update Method from USB Flash Drive
6. Normal Firmware Update Method from OTA
7. About the error codes



PROCEDURE AFTER REPLACING THE DIGITAL PCB.

The procedure after replacing the DIGITAL PCB is as follows.

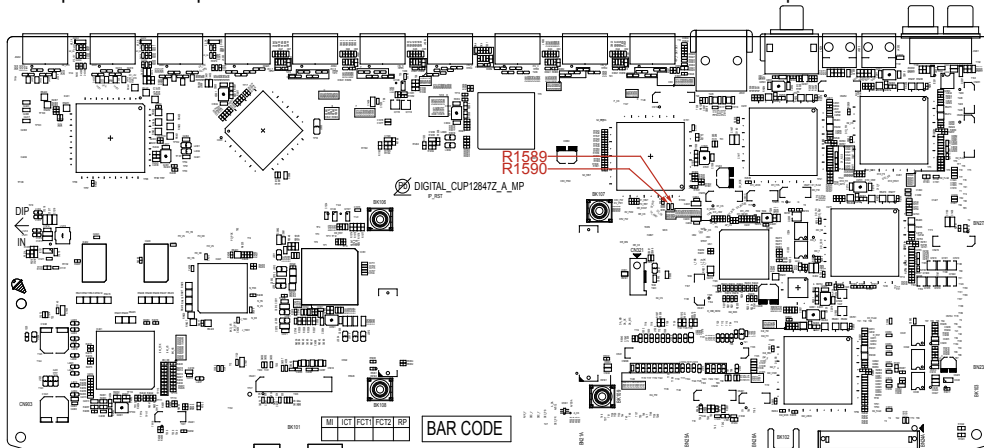
(1) Change the resistor for setting the region.

Model Area	DIGITAL PCB	
	R1589	R1590
North America (U)	0	OPEN
Europe (N)	OPEN	0

See the PCB below.

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

Implement the update method when the DIGITAL PCB or network module is replaced.



PROCEDURE AFTER REPLACING THE U-COM, ETC.

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

Implement the update method when the DIGITAL PCB or network module is replaced.

PCB Name	Ref. No.	Description	Procedure after Replacement	Remark
DIGITAL	IC151	R5F564MJCDFC 32BIT	B	SOFTWARE : Main
DIGITAL	IC254 IC264 IC273 IC283	MX25L1606EM2I-12G	B	SOFTWARE : DSP1/2/3/4 ROM
DIGITAL	IC404	MX25L12835FMI-10G 128M	B	SOFTWARE : GUI ROM
DIGITAL	IC221	5M570ZF256C5N	B	SOFTWARE : AUDIO PLD
DIGITAL	IC421	EPM570F256C4N	B	SOFTWARE : VIDEO PLD
MODULE	C39	LEGO MODULE	D	SOFTWARE : Network

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 replace the software with the latest version.

See "[3. Update method when the DIGITAL PCB or network module is replaced \(Using a USB flash drive\)](#)" 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 flash drive (USB 2.0 : Min 1GB) • We recommend a USB memory device that has an LED installed.	Formatting FAT16 or FAT 32	X	-	"Table 1" or "Table 2"
Via OTA	Internet Connection by Broadband Circuit	-	X	-	-
	Modem	-	X	-	-
	Router	-	X	-	-
	Ethernet cable (CAT-5 or greater is recommended)	-	X	-	-

Table 1

Update download file when the DIGITAL PCB or network module is replaced

Model Name	Model Area	Download from SDI
AV7703	ALL	avr_40.prod.update.factory.xxxx.zip

Table 2

Update download file when the firmware is updated (Two files, "HW component" and "LEGO component")

Model Name	Model Area	Download from SDI		
		For HW component		For LEGO component
AV7703U	North America (U)	Product ID : 100100520100	DPMS_AV7703U_LEGO_PopupNone_xxxx.zip	heos_40.prod_x.xxx.xx.zip
AV7703N	Europe (N)	Product ID : 100100520200	DPMS_AV7703N_LEGO_PopupNone_xxxx.zip	

Caution in
servicing

Electrical

Mechanical

Repair Information

Updating



2. Update preparation with a USB flash drive

You can update the firmware by downloading the latest version with USB flash drive.

2.1. Connecting to the USB flash drive

(1) Preparation

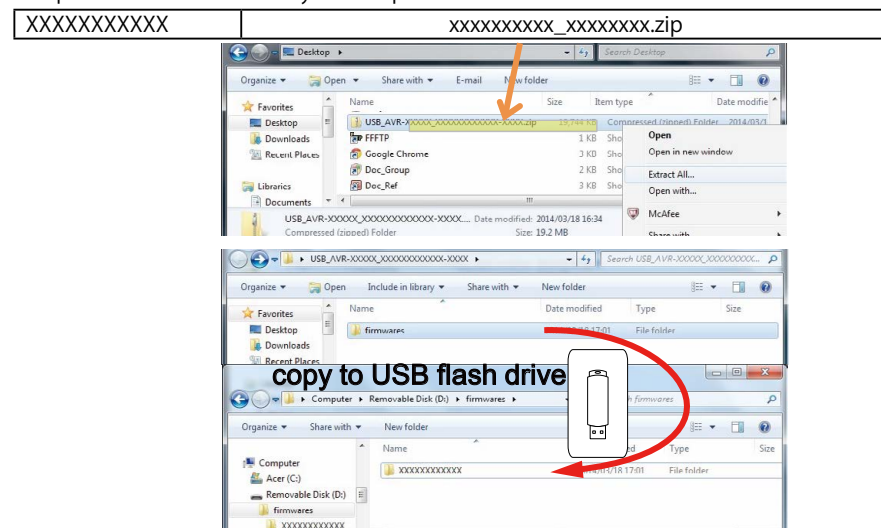
- Windows PC
- USB flash drive format : Prepare a USB flash drive formatted in FAT16 or FAT32.
 - ※ We recommend a USB flash drive that has an LED installed.

NOTE :

- Use a memory that supports USB2.0.
- Do not run the USB flash drive 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 flash drive.
- Save the update file on a blank USB flash drive for use.
- If a USB flash drive cannot be updated, replace it with a different USB flash drive and perform the update again.

2.2. Unzipping the Downloaded File

Unzip the downloaded file on your computer.



There are folders or files after unzipping.

Copy these folders or files onto the USB flash drive.

The folders or files must be placed in the root directory of the USB flash drive.

3. Update method when the DIGITAL PCB or network module is replaced (Using a USB flash drive)

3.1. File structure on USB flash drive

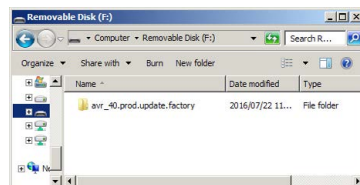
DIGITAL PCB or network module is replaced onto the USB flash drive in the following structure.

After unzipping the files, store them in the root of the same USB flash drive.

Model Area	Download from SDI
ALL	avr_40.prod.update.factory.xxxx.zip

USB flash drive root

- + avr_40.prod.update.factory
- + AV7xxxN.ota-download
- + AV7xxxU.ota-download
- + AVR-4xxxE2.ota-download
- + AVR-4xxxE3.ota-download
- + AVR-4xxxJP.ota-download
- + AVR-6xxxE2.ota-download
- + AVR-6xxxE3.ota-download
- + AVR-6xxxJP.ota-download
- + SR7xxxN.ota-download
- + SR7xxxU.ota-download
- + heos_40.prod.update.factory



3.2. Start the update.

NOTE :

- Remove the LAN cable from this unit when updating.
(Do not connect to a wired or wireless network.)
- The GUI menu setting details and image quality adjustment setting details are initialized when Firmware Factory Restore is performed. Therefore, take a note of the setting details beforehand and reconfigure the settings after update.

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

(2) Wait for this unit to start up.

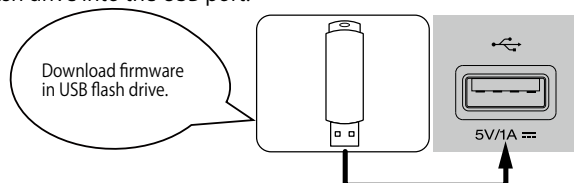
(3) Set the input source to Online Music.

Sub Display

L1	▶TuneIn Internet Radio	or	No Network Connection
L2	HEOS Favorites		

L1 : Content of the display is scrolled.

(4) Insert the USB flash drive into the USB port.



(5) USB Update starts automatically.

The Standby LED lights red.

Display during USB update (Main Display)

L1	Wait
L2	▶▶▶▶▶



L1	Updating
L2	▶▶▶ xx%
L3	xxmin



L1	Update
L2	Completed

It takes a maximum of approximately 25 minutes for update to complete.

(6) The unit restarts when update is complete.

※When update is complete, the folder name on the USB flash drive changes to "avr_40.prod.update.factory.
done". To use the files again, delete the "**done**" part.

(7) Execute Firmware Factory Restore.

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

Display during Firmware Factory Restore(Main Display)

L1	Restore
L2	FW...



L1	Restore
L2	▶▶▶ xx%
L3	xxmin



L1	Completed
----	-----------

It takes approximately 15 minutes for Firmware Factory Restore to complete.

(8) Execute Service Region Settings. See "4. Update Method for Service Region Settings"

(9) Check that the version is the specified version. See "1. Version Display Mode"

•If it takes more than 90 seconds to display the HEOS Version, perform "(7) Execute Firmware Factory Restore." again.

(10) If necessary, use OTA or the USB flash drive to update the firmware to the newest version.

※We recommend using the firmware update method using OTA.

See "5. Normal Firmware Update Method from USB Flash Drive" or "6. Normal Firmware Update Method from OTA"

---Cautions on Firmware Update---

- Do not remove the USB flash drive until updating is completed.
 - Do not turn off the power until updating is completed.
 - It takes a maximum of approximately 25 minutes for update to complete.
- Once an update is started, normal operations cannot be performed until it is completed.



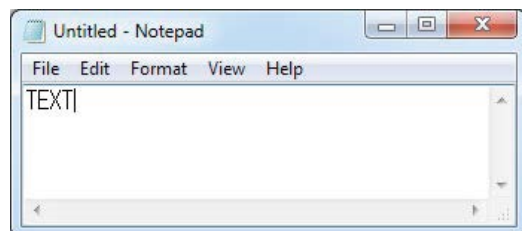
4. Update Method for Service Region Settings

Copy the Service Region Settings from the USB flash drive to this unit.

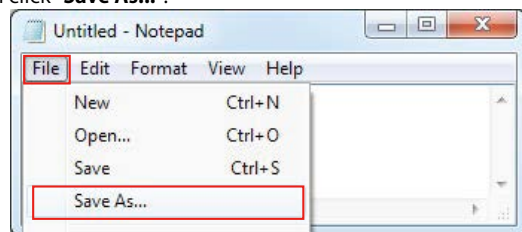
4.1. Creating a Service Region Settings file

(1) Click [Start button] - [Accessories] - [Notepad] on the PC to launch the notepad.

(2) Enter "TEXT".



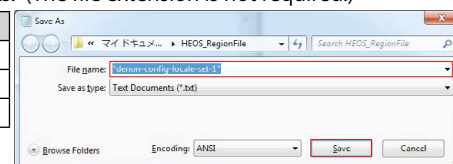
(3) Click "File", and then click "Save As...".



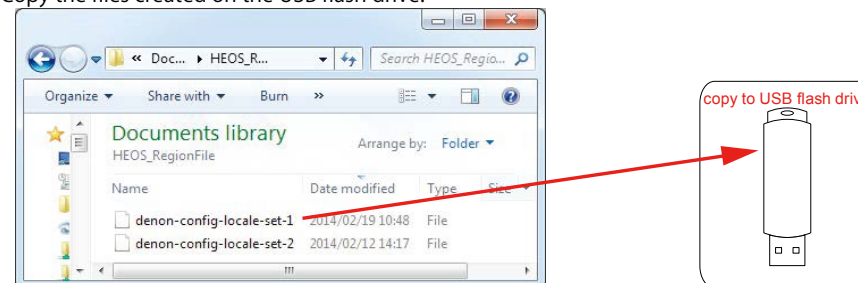
(4) Enter the file name and click the Save button.

NOTE : Enter the file name in double quotation marks. (The file extension is not required.)

Service Region	File name
North America	"denon-config-locale-set-1"
Europe	"denon-config-locale-set-2"
Japan	"denon-config-locale-set-3"



(5) Copy the files created on the USB flash drive.



4.2. Starting Service Region Settings

NOTE :

- Remove the LAN cable from this unit when updating. (Do not connect to a wired or wireless network.)
- We recommend a USB memory device that has an LED installed.

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

(2) Wait for this unit to start up.

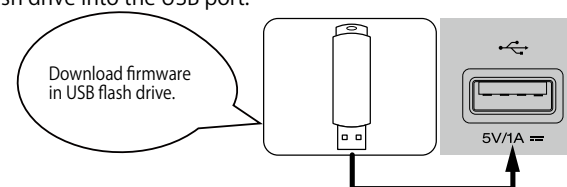
(3) Set the input source to Online Music.

Sub Display

L1	▶TuneIn Internet Radio	or	No Network Connection
L2	HEOS Favorites		

L1 : Content of the display is scrolled.

(4) Insert the USB flash drive into the USB port.



(5) Wait for at least 10 seconds before removing the USB flash drive.

(If the USB flash drive has an LED, this LED will be flashing. Remove the USB flash drive when the LED stops flashing.)

5. Normal Firmware Update Method from USB Flash Drive

5.1. File structure on USB flash drive

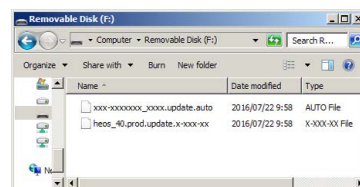
Copy the normal update files onto the USB flash drive in the following structure.

After unzipping the HW component USB update files for the target model and LEGO USB update files, store them in the root of the same USB flash drive.

Model Area	Download from SDI	
	For HW component	For LEGO component
North America (U)	DPMS_AV7703U_LEGO_PopupNone_xxxx.zip Product ID : 100100520100	heos_40.prod_x.xxx.xx.zip
Europe (N)	DPMS_AV7703N_LEGO_PopupNone_xxxx.zip Product ID : 100100520200	

USB flash drive root

- + AV7703x_xxxx.update.auto
- + heos_40.prod.update.x-xxx-xx



5.2. Start normal update

NOTE :

- Remove the LAN cable from this unit when updating.
(Do not connect to a wired or wireless network.)

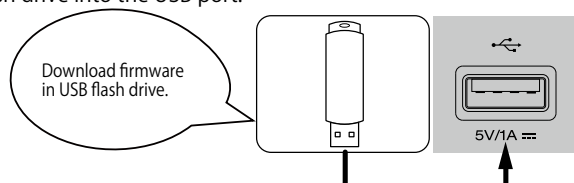
- (1) Press the power button to turn on the power.
- (2) Wait for this unit to start up.
- (3) Set the input source to Online Music.

Sub Display

L1	TuneIn Internet Radio	or	No Network Connection
L2	HEOS Favorites		

L1 : Content of the display is scrolled.

- (4) Insert the USB flash drive into the USB port.



- (5) USB Update starts automatically.

The Standby LED lights red.

Display during USB update (Main Display)

L1	Wait
L2	

↓

L1	Updating
L2	xx%
L3	xxmin

↓

L1	Update
L2	Completed

It takes a maximum of approximately 25 minutes for update to complete.

- (6) The unit restarts when update is complete.

- (7) After updating the firmware, check the version.

See "1. Version Display Mode"

- If it takes more than 90 seconds to display the HEOS Version, perform "Firmware Factory Restore" and then perform "5.2. Start normal update" again.

See "(7) Execute Firmware Factory Restore." in 3.2. Start the update.

---Cautions on Firmware Update---

- Do not remove the USB flash drive until updating is completed.
 - Do not turn off the power until updating is completed.
 - It takes a maximum of approximately 25 minutes for update to complete.
- 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.



6. Normal Firmware Update Method from OTA

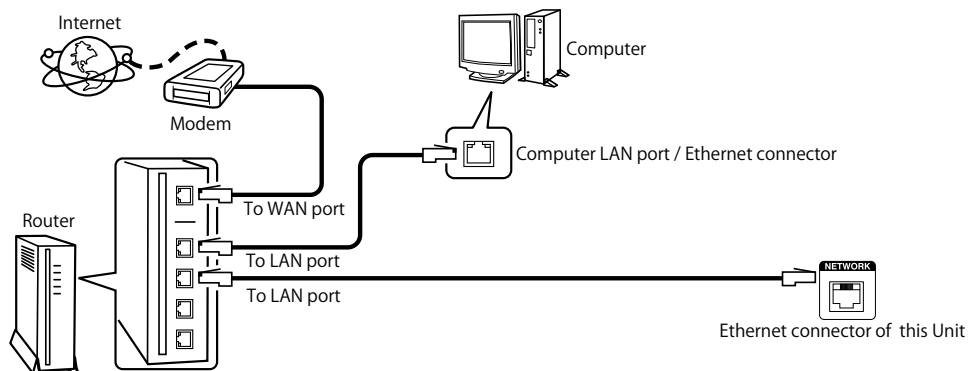
Download the latest firmware from our website and update the firmware.

6.1. Network Connection

(1) System Requirements

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

(2) Setting



6.2. 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) Check update

- If the firmware version is anything other than the latest version, select **"Update Now"** to update the firmware.
- **"No update required. Latest version installed."** is displayed when the firmware version is up to date.

(4) OTA Update starts automatically.

The Standby LED lights red.

Display during OTA update (Main Display)

L1	Wait
L2	▶▶▶▶▶

↓

L1	Updating
L2	▶▶▶ xx%
L3	xxmin

↓

L1	Update
L2	Completed

It takes a maximum of approximately 25 minutes for update to complete.

(5) The unit restarts when update is complete.

(6) After updating the firmware, check the version.

See ["1. Version Display Mode"](#)

---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 a maximum of approximately 25 minutes for update to complete.
- 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.



7. About the error codes

See the table below for details on error codes and solutions when updating the firmware. Error codes are displayed in 4 digits, YYXX(YY : DeviceID, XX : ErrorCode).

Sub Display

L1	Updating▶▶▶ 25%
L2	***min



L1	Update ErrorYYXX
L2	Please check you

L2 : Content of the display is scrolled.

Remedies

Error Code (YYXX)	Remedies
000A	"Connection failed. Please check your network, then try again."
0009	"Update failed. Please check your network, then try again."
0009	"Upgrade failed. Please check your network, then try again."
YY00 YY01 YY02 YY03 YY04 YY07	"Please check your network, unplug and reconnect the power cord, and try again."
YY00 YY01 YY02 YY03 YY04 YY07	"Please unplug and reconnect the power cord, and try again."
0005	"Incompatible update file found on the USB device. Please check the file."
0006	"Update file is corrupted. Please check the file."
000B	"Please contact customer service in your area." ※ Check the power supply and communication lines of each device.

Device ID table

Device ID (YY)	Device Name
00	General
01	Main CPU
0B	Main FBL (No used)
11	DSP1
12	DSP2
13	DSP3
19	DSP4
15	Audio PLD
22	Video PLD
2A	GUI (ADV8003)
33	LEGO

Error Code table

Type code (XX)	Description
00	Logical error
01	Error during erasing
02	Error during writing
03	Error during verifying
04	No access for the component
05	Package mismatched. Product ID, package version un-matched of the package manifest
06	Unpack dis-available of component package file
07	Time out
08	Latest firmware has already installed.
09	Error during download
0A	Error connection
0B	Hardware Error

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

After updating the firmware, check the version.

See "1. Version Display Mode"



www.marantz.com

You can find your nearest authorized distributor or dealer on our website.

marantz[®] is a registered trademark.

Copyright 2016 D&M Holdings Inc. All rights reserved.



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						
D6021	943202501110S	DIODE, ZENER, 1/2W, 6.8V	CVDZJ6V8BL	1		
D6023	943203500730S	DIODE, RECTIFIER, AXIAL	CVD1N4007SL	1		
D6026	943202007690S	DIODE, ZENER, 1/2W, 18V	CVDZJ18BT	1		
D6027	00D9430087209	DIODE, ZENER, 1/2W, 24V	CVDZJ24BT	1		
D6029	90M-HI101190R	L.E.D, BLUE	CVDS2CSBBCEAB2	1		
D6030	90M-HI101190R	L.E.D, BLUE	CVDS2CSBBCEAB2	1		
D6033	90M-HI101190R	L.E.D, BLUE	CVDS2CSBBCEAB2	1		
D6034	90M-HI101190R	L.E.D, BLUE	CVDS2CSBBCEAB2	1		
D6037	263010046507S	LED, SUPER RED	CVDBLBUF4V5K1AV	1		
D6038	263010046507S	LED, SUPER RED	CVDBLBUF4V5K1AV	1		
D6039	943203500730S	DIODE, RECTIFIER, AXIAL	CVD1N4007SL	1		
D6040	943203500730S	DIODE, RECTIFIER, AXIAL	CVD1N4007SL	1		
D6041	943203500730S	DIODE, RECTIFIER, AXIAL	CVD1N4007SL	1		
D6453	963209003510S	DIODE, RELIABLE ESD PROTECTION	CVDCDS3C05HDM1	1		
D6454	963209003510S	DIODE, RELIABLE ESD PROTECTION	CVDCDS3C05HDM1	1		
D6455	963209003510S	DIODE, RELIABLE ESD PROTECTION	CVDCDS3C05HDM1	1		
D6712	00D2760694903	DIODE, ZENER(CHIP,5.1V)	HVDUDZS5.1BSR	1		
D6729	00D2760694903	DIODE, ZENER(CHIP,5.1V)	HVDUDZS5.1BSR	1		
D6730	00D2760694903	DIODE, ZENER(CHIP,5.1V)	HVDUDZS5.1BSR	1		
IC601	943232100540S	I.C, DUAL OPAMP(SOP-8P)	CVINJM4580CG	1		
IC603	963231101200S	I.C, REGULATOR(ADJ/TO-252)	CVINJM2887DL3	1		
IC607	943232100380S	I.C, DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
Q6005	943219006820S	T.R	CVTKTC1027YT	1		
Q6011	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6014	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6015	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6016	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6042	943214500040S	High Voltage NPN Transistors(SOT-23)	CVTMMBT5551	1		
Q6051	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6052	943215500020S	T.R.RT1P141C(10K-10K)	CVTRT1P141C	1		
Q6053	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6054	943215500020S	T.R.RT1P141C(10K-10K)	CVTRT1P141C	1		
Q6055	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6056	943215500020S	T.R.RT1P141C(10K-10K)	CVTRT1P141C	1		
Q6057	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6058	943215500020S	T.R.RT1P141C(10K-10K)	CVTRT1P141C	1		
Q6059	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6081	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6112	943215500020S	T.R.RT1P141C(10K-10K)	CVTRT1P141C	1		
Q6152	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6153	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6313	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6314	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q6702	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
RESISTOR GROUP						
R6001	nsp	RES, CHIP(1608/5%/200ohm)	CRJ10DJ201T	1		
R6002	nsp	RES, CHIP(1608/5%/200ohm)	CRJ10DJ201T	1		
R6003	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R6004	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R6005	nsp	RES, CHIP(1608/5%/1ohm)	CRJ10DJ1R0T	1		
R6006	nsp	RES, CHIP(1608/5%/2.2ohm)	CRJ10DJ2R2T	1		
R6016	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6021	nsp	RES, CARBON(1/5W,27Kohm,J)	CRD20TJ273T	1		
R6022	nsp	RES, CARBON(1/5W,27Kohm,J)	CRD20TJ273T	1		
R6025	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R6026	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R6031	nsp	RES, CHIP(1608/5%/27Kohm)	CRJ10DJ273T	1		
R6032	nsp	RES, CHIP(1608/5%/220Kohm)	CRJ10DJ224T	1		
R6033	nsp	RES, CHIP(1608/5%/10ohm)	CRJ10DJ100T	1		
R6034	nsp	RES, CHIP(1608/5%/10ohm)	CRJ10DJ100T	1		
R6038	nsp	RES, CHIP(1608/5%/10ohm)	CRJ10DJ100T	1		
R6039	nsp	RES, CHIP(1608/5%/10ohm)	CRJ10DJ100T	1		
R6041	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6042	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R6043	nsp	RES, CHIP(1608/5%/47Kohm)	CRJ10DJ473T	1		
R6044	nsp	RES, CHIP(1608/5%/390Kohm)	CRJ10DJ394T	1		
R6046	nsp	RES, CHIP(1608/5%/120Kohm)	CRJ10DJ124T	1		
R6049	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6050	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6051	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6058	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6059	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6060	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6066	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R6067	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R6068	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R6071	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6072	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6073	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6079	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R6080	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R6081	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R6082	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R6084	nsp	RES, CHIP(1608/5%/220ohm)	CRJ10DJ221T	1		
R6085	nsp	RES, CHIP(1608/5%/220ohm)	CRJ10DJ221T	1		
R6088	nsp	RES, CHIP(1608/5%/330ohm)	CRJ10DJ331T	1		
R6089	nsp	RES, CHIP(1608/5%/330ohm)	CRJ10DJ331T	1		
R6093	nsp	RES, CHIP(1608/5%/1Kohm)	CRJ10DJ102T	1		
R6094	nsp	RES, CHIP(1608/5%/1Kohm)	CRJ10DJ102T	1		
R6095	nsp	RES, CHIP(1608/5%/1Kohm)	CRJ10DJ102T	1		
R6096	nsp	RES, CHIP(1608/5%/1Kohm)	CRJ10DJ102T	1		
R6097	nsp	RES, CHIP(1608/5%/560ohm)	CRJ10DJ561T	1		
R6098	nsp	RES, CHIP(1608/5%/560ohm)	CRJ10DJ561T	1		
R6105	nsp	RES, CHIP(1608/5%/220ohm)	CRJ10DJ221T	1		
R6106	nsp	RES, CHIP(1608/5%/330ohm)	CRJ10DJ331T	1		
R6108	nsp	RES, CHIP(1608/5%/820ohm)	CRJ10DJ821T	1		
R6109	nsp	RES, CHIP(1608/5%/560ohm)	CRJ10DJ561T	1		
R6110	nsp	RES, CHIP(1608/5%/75Kohm)	CRJ10DJ753T	1		
R6111	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R6112	nsp	RES, CHIP(1608/5%/150Kohm)	CRJ10DJ154T	1		
R6115	nsp	RES, CHIP(1608/5%/1.2Kohm)	CRJ10DJ122T	1		
R6116	nsp	RES, CHIP(1608/5%/1.2Kohm)	CRJ10DJ122T	1		
R6117	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R6119	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R6121	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R6123	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R6128	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R6147	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R6151	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R6154	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R6155	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R6156	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R6157	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R6158	nsp	RES, CHIP(1608/5%/3.3Kohm)	CRJ10DJ332T	1		
R6159	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R6224	nsp	RES, CHIP(1608/5%/82Kohm)	CRJ10DJ823T	1		
R6225	nsp	RES, CHIP(1608/5%/82Kohm)	CRJ10DJ823T	1		
R6301	nsp	RES, CHIP(1608/5%/300ohm)	CRJ10DJ301T	1		
R6302	nsp	RES, CHIP(1608/5%/390ohm)	CRJ10DJ391T	1		
R6351	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6352	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6353	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R6354	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R6421	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6422	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6423	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R6424	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R6451	nsp	RES, CHIP(1608/5%/2.2Kohm)	CRJ10DJ222T	1		
R6452	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R6503	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6601	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R6602	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R6603	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R6604	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R6605	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R6607	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R6613	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6614	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6701	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R6703	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6704	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R6705	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6706	nsp	RES, CHIP(1608/5%/47Kohm)	CRJ10DJ473T	1		
R6708	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R6709	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R6711	nsp	RES, CHIP(1608/5%/2.2Kohm)	CRJ10DJ222T	1		
R6718	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6719	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R6720	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R6721	nsp	RES, CHIP(1608/5%/1Kohm)	CRJ10DJ102T	1		
R6723	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R6726	nsp	RES, CHIP(1608/5%/1Kohm)	CRJ10DJ102T	1		
R6734	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R6741	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
CAPACITORS GROUP						
C6007	nsp	CAP, ELECT(63V/100uF)	CCEA1JH101E	1		
C6008	nsp	EOL item WIRE, COPPER(D0.6)	C3A206	0.02		
C6014	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6021	nsp	CAP, ELECT(50V/10uF)	CCEA1HH100T	1		
C6025	nsp	CAP, ELECT(50V/1uF)	CCEA1HH1R0T	1		
C6027	nsp	CAP, ELECT(50V/1uF)	CCEA1HH1R0T	1		
C6034	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6046	nsp	CAP, ELECT(50V/10uF)	CCEA1HH100T	1		
C6052	nsp	CAP, ELECT(6.3V/470uF)	CCEA0JH471T	1		
C6071	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	CCUS1H101JAS	1		
C6072	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	CCUS1H101JAS	1		
C6073	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	CCUS1H101JAS	1		
C6081	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6083	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG	CCUS1H103KCS	1		
C6091	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6092	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6093	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6094	nsp	CAP, ELECT(50V/10uF)	CCEA1HH100T	1		
C6095	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6096	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	CCUS1H101JAS	1		
C6097	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	CCUS1H101JAS	1		
C6098	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	CCUS1H101JAS	1		
C6099	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG	CCUS1H103KCS	1		
C6113	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6114	nsp	CAP, ELECT(50V/10uF)	CCEA1HH100T	1		
C6128	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6151	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6152	nsp	CAP, ELECT(50V/10uF)	CCEA1HH100T	1		
C6153	nsp	CAP, ELECT(50V/10uF)	CCEA1HH100T	1		
C6353	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R) SAMSUNG	CCUS1H473KCS	1		
C6354	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R) SAMSUNG	CCUS1H473KCS	1		
C6380	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6381	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6423	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R) SAMSUNG	CCUS1H473KCS	1		
C6424	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R) SAMSUNG	CCUS1H473KCS	1		
C6453	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6454	nsp	CAP, ELECT(10V/220uF)-S	CCEA1AKS221T	1		
C6501	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG	CCUS1H102KCS	1		
C6502	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG	CCUS1H102KCS	1		
C6512	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6523	nsp	CAP, ELECT(50V/10uF)	CCEA1HH100T	1		
C6601	nsp	CAP, ELECT(50V/10uF)	CCEA1HH100T	1		
C6603	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG	CCUS1H331JAS	1		
C6604	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG	CCUS1H331JAS	1		
C6623	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6624	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6691	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6693	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6701	943134502680M	CAP, ELECT(10uF/63V)	CCEA1JH100T	1		
C6702	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6703	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	CCUS1H101JAS	1		
C6704	nsp	CAP, CHIP(1608, 50V/33pF, C0G) SAMSUNG	CCUS1H330JAS	1		
C6712	nsp	CAP, ELECT(50V/10uF)	CCEA1HH100T	1		
C6719	nsp	CAP, ELECT(16V/100uF)	CCEA1CH101T	1		
C6720	nsp	CAP, CHIP(1608, 50V/33pF, C0G) SAMSUNG	CCUS1H330JAS	1		
C6731	nsp	CAP, ELECT(50V/1uF)	CCEA1HH1R0T	1		
C6732	nsp	CAP, ELECT(50V/1uF)	CCEA1HH1R0T	1		
C6733	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R) SAMSUNG	CCUS1H473KCS	1		
C6734	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R) SAMSUNG	CCUS1H473KCS	1		
C6735	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	CCUS1H101JAS	1		
C6753	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C6801	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
OTHER PARTS GROUP						

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	BK601	nsp	BRACKET , PCB		CMD1A569-V1	1		
	BK604	nsp	BRACKET , VFD		VMD1A793	1		
	BK605	nsp	BRACKET , FLT		CMD1A209-V1	1		
	BK606	nsp	BRACKET , FLT		CMD1A209-V1	1		
	BN321	nsp	WIRE ASS'Y, (5P, 2.0mm, 400mm, UL2725#24/#28)USB		CWB8A005400HC	1		
	BN605	nsp	WIRE ASS'Y , (5P, 100mm, 2mm PITCH, UL1007, #24)		CWB1C005100CC	1		
	BN608	nsp	WIRE ASS'Y , (3P, 80mm, 2mm PITCH, UL1007, #24)		CWB1C003080CC	1		
	BU607	nsp	SUPPORT , IR		CHG1A533	1		
	CN602	nsp	WAFER/ANGLE/2.5mm/07P		CJP07GB03ZY	1		
	CN69A	nsp	WAFER, FFC(40P-1mm,ANGLE)		CJP40GB284ZN	1		
!	FL601	943652500600S	FUSE(932Series, 250V/200mA)		CBA2J0200TLUBT	1		
	FL601	17201001300AS	VFD , FUTABA , 17-BT-040GINK , CIG-TYPE		CFL17BT040GINK	1		
	FL602	172010008005S	VFD		CFLGP1261AI	1		
	JK604	943643103410S	JACK, USB STRAIGHT(BLACK, 1.5A)		CJ39X031Z	1		
	JK605	90M-YT004500R	JACK, PHONES(6.35mm,SILVER)		CJ2E026Z	1		
	JK606	943643102980S	JACK, 3P(B/B/B)with S/W, SILVER, VERTICAL		CJ34S051Z	1		
	JK607	943643102220S	JACK, MONO, 3.5mm, SILVER		CJ11D004Z	1		
	JW603	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	1		
	JW605	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	1		
	JW606	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	1		
	L6005	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6006	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6007	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6008	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6010	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6011	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6012	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6013	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6014	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6015	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6016	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	L6501	nsp	CHIP BEAD(600R, 1808, 0.5A)		HLZ9Z008Z	1		
	LD601	943263100860M	L.E.D.(GREEN/RED 3PI)		CVDWEJ3290W-R2H0-BA	1		
	LUG61	nsp	WIRE ASS'Y		CWE8202100RV	1		
	RC601	262010007707S	SENSOR, REMOTE(36.7KHz)		CRVHM336R	1		
	S6016	00D9430004402	SW , TACT		CST1A0122T	1		
	S6018	00D9430004402	SW , TACT		CST1A0122T	1		
	SW601	00D9430004402	SW , TACT		CST1A0122T	1		
	SW602	00D9430004402	SW , TACT		CST1A0122T	1		
	SW603	00D9430004402	SW , TACT		CST1A0122T	1		
	SW604	00D9430004402	SW , TACT		CST1A0122T	1		
	SW605	00D9430004402	SW , TACT		CST1A0122T	1		
	SW606	00D9430004402	SW , TACT		CST1A0122T	1		
	SW607	00D9430004402	SW , TACT		CST1A0122T	1		
	SW608	00D9430004402	SW , TACT		CST1A0122T	1		
	SW609	00D9430004402	SW , TACT		CST1A0122T	1		
	SW610	00D9430004402	SW , TACT		CST1A0122T	1		
	SW611	00D9430004402	SW , TACT		CST1A0122T	1		
	SW612	00D9430004402	SW , TACT		CST1A0122T	1		
	SW613	00D9430004402	SW , TACT		CST1A0122T	1		
	SW614	00D9430004402	SW , TACT		CST1A0122T	1		
	SW615	00D9430004402	SW , TACT		CST1A0122T	1		
	SW617	00D9430004402	SW , TACT		CST1A0122T	1		
	SW619	00D9430004402	SW , TACT		CST1A0122T	1		
	SW620	00D9430004402	SW , TACT		CST1A0122T	1		
	SW621	00D9430004402	SW , TACT		CST1A0122T	1		
	SW622	00D9430004402	SW , TACT		CST1A0122T	1		
	SW623	00D9430004402	SW , TACT		CST1A0122T	1		
	SW624	665010017006S	SW, SLIDE (1C2P, 12V , 0.1A)		CSS1B001Z	1		
	VR601	943663001560S	ENCODER(16MM, 24PULSES),W/O CLICK		CSR2A047Z	1		
	VR604	943671101000D	ENCODER(16MM, 12PULSES)		CSR2A060Z	1		

DIGITAL 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						
D1101	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D1102	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D1501	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
IC111	943239101860S	I.C., DC-DC CONVERTER(SOT-23)	CVITPS563200DDCR	1		
IC112	943239101860S	I.C., DC-DC CONVERTER(SOT-23)	CVITPS563200DDCR	1		
IC113	943239101860S	I.C., DC-DC CONVERTER(SOT-23)	CVITPS563200DDCR	1		
IC117	943239101860S	I.C., DC-DC CONVERTER(SOT-23)	CVITPS563200DDCR	1		
IC118	943239101860S	I.C., DC-DC CONVERTER(SOT-23)	CVITPS563200DDCR	1		
IC119	943239101860S	I.C., DC-DC CONVERTER(SOT-23)	CVITPS563200DDCR	1		
IC120	943239101860S	I.C., DC-DC CONVERTER(SOT-23)	CVITPS563200DDCR	1		
IC121	943239101860S	I.C., DC-DC CONVERTER(SOT-23)	CVITPS563200DDCR	1		
IC123	943239010400S	I.C., REGULATOR(3.3V/TO-252)	CVINJM2845DL133	1		
IC151	943243103430S	I.C., MAIN CPU(AV7703/U1B) See PROCEDURE AFTER REPLACING THE U-COM, ETC.	VVIANAM2344AV	1	*	
IC171	943233102030S	I.C., Shift/Store Register(SOIC-16P)	CVIMC74HC4094ADR2G	1		
IC172	943233102030S	I.C., Shift/Store Register(SOIC-16P)	CVIMC74HC4094ADR2G	1		
IC173	943233102030S	I.C., Shift/Store Register(SOIC-16P)	CVIMC74HC4094ADR2G	1		
IC174	943233102030S	I.C., Shift/Store Register(SOIC-16P)	CVIMC74HC4094ADR2G	1		
IC175	943233102030S	I.C., Shift/Store Register(SOIC-16P)	CVIMC74HC4094ADR2G	1		
IC176	943233102030S	I.C., Shift/Store Register(SOIC-16P)	CVIMC74HC4094ADR2G	1		
IC177	943233102030S	I.C., Shift/Store Register(SOIC-16P)	CVIMC74HC4094ADR2G	1		
IC201	00D2623077900	I.C., HEX INVERTER	HVITC74VHC04FT	1		
IC202	23681014050AS	I.C., DIR/DIT(WITH ADC, LQFP-48P)	CVIPCM9211PTR	1		
IC203	943236101520D	I.C., DIR(SSOP-16)	CVILC89091JA-H	1		
IC204	943236101520D	I.C., DIR(SSOP-16)	CVILC89091JA-H	1		
IC221	943239101920S	I.C., APLD(AV7703/U1B/N1B) See PROCEDURE AFTER REPLACING THE U-COM, ETC.	VVIANAM2367AV	1		
IC223	236810083506S	I.C., CLOCK JITTER	CVICS210010-CZZR	1		
IC251	943245100930S	I.C., DSP(LQFP-176P/400M)	CVIADSP214874B30-1	1	*	
IC252	24681008960AS	I.C., SDRAM(256M, TSOP-54P)	CVIA3V56S40GTP-60	1		
IC254	943248103910S	I.C., DSP1_S.FLASH(AV7703/U1B/N1B) See PROCEDURE AFTER REPLACING THE U-COM, ETC.	VVIANAM2357AV	1		
IC261	943245100930S	I.C., DSP(LQFP-176P/400M)	CVIADSP214874B30-2	1	*	
IC262	24681008960AS	I.C., SDRAM(256M, TSOP-54P)	CVIA3V56S40GTP-60	1		
IC264	943248103920S	I.C., DSP2_S.FLASH(AV7703/U1B/N1B) See PROCEDURE AFTER REPLACING THE U-COM, ETC.	VVIANAM2358AV	1		
IC271	943245100930S	I.C., DSP(LQFP-176P/400M)	CVIADSP214874B30-3	1	*	
IC272	24681008960AS	I.C., SDRAM(256M, TSOP-54P)	CVIA3V56S40GTP-60	1		
IC273	943248103930S	I.C., DSP3_S.FLASH(AV7703/U1B/N1B) See PROCEDURE AFTER REPLACING THE U-COM, ETC.	VVIANAM2359AV	1		
IC281	943245100930S	I.C., DSP(LQFP-176P/400M)	CVIADSP214874B30-4	1	*	
IC282	24681008960AS	I.C., SDRAM(256M, TSOP-54P)	CVIA3V56S40GTP-60	1		
IC283	943248103950S	I.C., DSP4_S.FLASH(AV7703/U1B/N1B) See PROCEDURE AFTER REPLACING THE U-COM, ETC.	VVIANAM2360AV	1		
IC306	236810086505S	I.C., ADC(96kHz 24-Bit)	CVIAK5358BET	1		
IC321	23681012050AS	I.C., 2CH DAC(32BIT, 384KHZ, TSSOP-20P)	CVIPCM5100PWR	1		
IC322	23681012050AS	I.C., 2CH DAC(32BIT, 384KHZ, TSSOP-20P)	CVIPCM5100PWR	1		
IC323	943231102150S	I.C., regulator(3.3V, SSOP5)	CVIBU33TD3WG	1		
IC351	23681012760AS	I.C., HDMI RX	CVIADV7850KBCZ-5	1		
IC381	23681050460AS	I.C., HDMI 2.0 Transceiver (HQFP-144P)	CVIMN864788	1		
IC391	23681050460AS	I.C., HDMI 2.0 Transceiver (HQFP-144P)	CVIMN864788	1		
IC392	943239101510S	I.C., MUX/DEMUX (TSSOP-16P)	CVISN74CBT3251PWR	1		
IC401	23681016160AS	I.C., VSP(ADV8003KBCZ-8B)	CVIAD55/058Z-0	1		
IC402	24681020560AS	I.C., DDR2 SDRAM(512Mbits, 84-FBGA)	CVIA3R12E40DBF-8E	1		
IC403	24681020560AS	I.C., DDR2 SDRAM(512Mbits, 84-FBGA)	CVIA3R12E40DBF-8E	1		
IC404	943248103970S	I.C., OSD FLASH(AV7703/U1B) See PROCEDURE AFTER REPLACING THE U-COM, ETC.	VVIANAM2378AV	1	*	
IC421	943239101930S	I.C., VPLD(AV7703/U1B/N1B) See PROCEDURE AFTER REPLACING THE U-COM, ETC.	VVIANAM2371AV	1		
IC431	23681050360AS	I.C., HDMI 2.0 TX+SCALER	CVIMN864787	1		
IC502	23671011050AS	I.C., IPOD AUTHENTICATION FROM D&M	CVI23671011050AS_DM	1		
IC503	943239101090S	I.C., High side switch (TSSOP-B8)	CVIBD82065FVJ-E2	1		
IC511	943239101940S	I.C., LOW VOLTAGE MULTIPLEXER/DEMULTIPLEXER, TSSOP16	CVISN74CBTLV3257PWR	1		
IC512	943239101940S	I.C., LOW VOLTAGE MULTIPLEXER/DEMULTIPLEXER, TSSOP16	CVISN74CBTLV3257PWR	1		
IC513	943239101940S	I.C., LOW VOLTAGE MULTIPLEXER/DEMULTIPLEXER, TSSOP16	CVISN74CBTLV3257PWR	1		
IC514	943239101940S	I.C., LOW VOLTAGE MULTIPLEXER/DEMULTIPLEXER, TSSOP16	CVISN74CBTLV3257PWR	1		
IC515	943239101940S	I.C., LOW VOLTAGE MULTIPLEXER/DEMULTIPLEXER, TSSOP16	CVISN74CBTLV3257PWR	1		
IC516	943239101940S	I.C., LOW VOLTAGE MULTIPLEXER/DEMULTIPLEXER, TSSOP16	CVISN74CBTLV3257PWR	1		
IC523	963239002150S	I.C., OCTAL BUFFER/DRIVER	CVISN74LVC244APWR	1		
Q1001	943239101550S	FET, SSM6N15AFU, N-CH, SC-88, TOSHIBA	CVTSSM6N15AFU	1		
Q1101	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)	CVTFDC608PZ	1		
Q1102	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)	CVTFDC608PZ	1		
Q1103	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)	CVTFDC608PZ	1		
Q1104	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)	CVTFDC608PZ	1		
Q1105	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)	CVTFDC608PZ	1		
Q1106	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)	CVTFDC608PZ	1		
Q1107	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)	CVTFDC608PZ	1		
Q1111	943216500050S	T.R., RT1N441C(47K-47K)	CVTRT1N441C	1		
Q1112	943216500020S	T.R., RT1N141C(10K-10K)	CVTRT1N141C	1		
Q1113	943216500050S	T.R., RT1N441C(47K-47K)	CVTRT1N441C	1		
Q1114	943216500050S	T.R., RT1N441C(47K-47K)	CVTRT1N441C	1		
Q1115	943216500020S	T.R., RT1N141C(10K-10K)	CVTRT1N141C	1		
Q1116	943216500050S	T.R., RT1N441C(47K-47K)	CVTRT1N441C	1		
Q1117	943216500050S	T.R., RT1N441C(47K-47K)	CVTRT1N441C	1		
Q1118	963212500030S	T.R., ISA1530AC1	CVTISA1530AC1	1		
Q1119	963212500030S	T.R., ISA1530AC1	CVTISA1530AC1	1		
Q1121	943212500220D	T.R., 2SA2166, PNP, TO-236, ISAHAYA	CVT2SA2166	1		
Q1122	943216500020S	T.R., RT1N141C(10K-10K)	CVTRT1N141C	1		
Q1123	00D2710326904	T.R., 2SA1954	CVT2SA1954	1		
Q1124	943216500020S	T.R., RT1N141C(10K-10K)	CVTRT1N141C	1		
Q1125	943212500220D	T.R., 2SA2166, PNP, TO-236, ISAHAYA	CVT2SA2166	1		
Q1126	943216500020S	T.R., RT1N141C(10K-10K)	CVTRT1N141C	1		
Q1127	943212500220D	T.R., 2SA2166, PNP, TO-236, ISAHAYA	CVT2SA2166	1		
Q1128	943216500020S	T.R., RT1N141C(10K-10K)	CVTRT1N141C	1		
Q1131	943214500020S	T.R., 2SC3052	CVT2SC3052	1		
Q1133	00D2710326904	T.R., 2SA1954	CVT2SA1954	1		
Q1134	943216500020S	T.R., RT1N141C(10K-10K)	CVTRT1N141C	1		
Q1151	943212500220D	T.R., 2SA2166, PNP, TO-236, ISAHAYA	CVT2SA2166	1		
Q1152	943216500020S	T.R., RT1N141C(10K-10K)	CVTRT1N141C	1		
Q1501	943214500020S	T.R., 2SC3052	CVT2SC3052	1		
Q1502	943214500020S	T.R., 2SC3052	CVT2SC3052	1		
Q1503	943214500030S	EOL Item T.R., MUTE	CVTINC2001AC1	1		
Q2002	963216500060S	T.R., RT1N144C(10K-47K)	CVTRT1N144C	1		
Q2003	963216500060S	T.R., RT1N144C(10K-47K)	CVTRT1N144C	1		
Q3841	943216500020S	T.R., RT1N141C(10K-10K)	CVTRT1N141C	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
Q3842	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3851	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3852	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3861	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3862	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3871	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3872	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3941	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3942	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3951	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3952	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3961	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q3962	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q5001	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q5002	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q5003	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q5004	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q5005	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
Q5006	943216500020S	T.R.RT1N141C(10K-10K)	CVTRT1N141C	1		
RESISTOR GROUP						
R1007	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1010	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1012	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1024	nsp	RES, CHIP(1005/5%/0ohm)	CRJ06J0R0T	1		
R1025	nsp	RES, CHIP(1005/5%/0ohm)	CRJ06J0R0T	1		
R1111	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R1112	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R1114	nsp	RES, CHIP(1608/1%/10Kohm)	CRJ10DF1002T	1		
R1115	nsp	RES, CHIP(1608/1%/14Kohm)	CRJ10DF1402T	1		
R1116	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1121	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R1122	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R1124	nsp	RES, CHIP(1608/1%/10Kohm)	CRJ10DF1002T	1		
R1125	nsp	RES, CHIP(1608/1%/33.2Kohm)	CRJ10DF3322T	1		
R1126	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1131	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R1132	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R1134	nsp	RES, CHIP(1608/1%/10Kohm)	CRJ10DF1002T	1		
R1135	nsp	RES, CHIP(1608/1%/33.2Kohm)	CRJ10DF3322T	1		
R1136	nsp	RES, CHIP(1608/1%/390ohm)	CRJ10DF3900T	1		
R1171	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R1172	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R1174	nsp	RES, CHIP(1608/1%/10Kohm)	CRJ10DF1002T	1		
R1175	nsp	RES, CHIP(1608/1%/4.7Kohm)	CRJ10DF4701T	1		
R1176	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1181	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R1182	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R1184	nsp	RES, CHIP(1608/1%/10Kohm)	CRJ10DF1002T	1		
R1185	nsp	RES, CHIP(1608/1%/4.7Kohm)	CRJ10DF4701T	1		
R1186	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1191	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R1192	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R1194	nsp	RES, CHIP(1608/1%/10Kohm)	CRJ10DF1002T	1		
R1195	nsp	RES, CHIP(1608/1%/4.7Kohm)	CRJ10DF4701T	1		
R1196	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1201	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R1202	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R1204	nsp	RES, CHIP(1608/1%/10Kohm)	CRJ10DF1002T	1		
R1205	nsp	RES, CHIP(1608/1%/4.7Kohm)	CRJ10DF4701T	1		
R1206	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1211	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R1212	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R1214	nsp	RES, CHIP(1608/1%/10Kohm)	CRJ10DF1002T	1		
R1215	nsp	RES, CHIP(1608/1%/4.7Kohm)	CRJ10DF4701T	1		
R1216	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1226	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1227	nsp	RES, CHIP(1005/5%/1Kohm)	CRJ06J102T	1		
R1228	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1229	nsp	RES, CHIP(1005/5%/1Kohm)	CRJ06J102T	1		
R1230	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R1231	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1232	nsp	RES, CHIP(1005/5%/1Kohm)	CRJ06J102T	1		
R1233	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1234	nsp	RES, CHIP(1005/5%/1Kohm)	CRJ06J102T	1		
R1236	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1237	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1238	nsp	RES, CHIP(1005/5%/4.7Kohm)	CRJ06J472T	1		
R1239	nsp	RES, CHIP(1005/5%/47Kohm)	CRJ06J473T	1		
R1240	nsp	RES, CHIP(1005/5%/100Kohm)	CRJ06J104T	1		
R1241	nsp	RES, CHIP(1005/5%/100ohm)	CRJ06J101T	1		
R1256	nsp	RES, CHIP(1005/5%/330ohm)	CRJ06J331T	1		
R1258	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1259	nsp	RES, CHIP(1005/5%/1Kohm)	CRJ06J102T	1		
R1312	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1313	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1322	nsp	RES, CHIP(1005/5%/1Kohm)	CRJ06J102T	1		
R1323	nsp	RES, CHIP(1005/5%/27Kohm)	CRJ06J273T	1		
R1331	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1333	nsp	RES, CHIP(1005/5%/33Kohm)	CRJ06J333T	1		
R1342	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1343	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1352	nsp	RES, CHIP(1005/5%/1Kohm)	CRJ06J102T	1		
R1353	nsp	RES, CHIP(1005/5%/27Kohm)	CRJ06J273T	1		
R1362	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1363	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1364	90M-NN000640R	RES, CHIP(1608/5%/2.7ohm)	CRJ10DJ2R7T	1		
R1365	90M-NN000640R	RES, CHIP(1608/5%/2.7ohm)	CRJ10DJ2R7T	1		
R1366	90M-NN000640R	RES, CHIP(1608/5%/2.7ohm)	CRJ10DJ2R7T	1		
R1372	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1373	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1374	90M-NN000640R	RES, CHIP(1608/5%/2.7ohm)	CRJ10DJ2R7T	1		
R1375	90M-NN000640R	RES, CHIP(1608/5%/2.7ohm)	CRJ10DJ2R7T	1		
R1376	90M-NN000640R	RES, CHIP(1608/5%/2.7ohm)	CRJ10DJ2R7T	1		
R1381	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1382	nsp	RES, CHIP(1005/5%/1Kohm)	CRJ06J102T	1		
R1501	nsp	RES, CHIP(1005/5%/10Kohm)	CRJ06J103T	1		
R1503	nsp	RES, CHIP(1005/5%/470Kohm)	CRJ06J474T	1		
R1504	nsp	RES, CHIP(1005/5%/33ohm)	CRJ06J330T	1		
R1505	nsp	RES, CHIP(1005/5%/33ohm)	CRJ06J330T	1		
R1506	nsp	RES, CHIP(1005/5%/4.7Kohm)	CRJ06J472T	1		
R1507	nsp	RES, CHIP(1005/5%/4.7Kohm)	CRJ06J472T	1		
R1508	nsp	RES, CHIP(1005/5%/100ohm)	CRJ06J101T	1		
R1510	nsp	RES, CHIP(1608/5%/680ohm)	CRJ10DJ681T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R4332	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4333	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4334	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4336	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R4337	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4338	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4339	943113100000S	COMMON MODE FILTER (1210, 90ohm)		CLZ9Z188Z	1		
	R4340	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	1		
	R4341	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	1		
	R4342	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	1		
	R4351	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4352	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4353	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4354	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	1		
	R4355	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	1		
	R4356	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4357	nsp	RES, CHIP(1608/1%/51ohm)		CRJ10DF51R0T	1		
	R4358	nsp	RES, CHIP(1608/1%/51ohm)		CRJ10DF51R0T	1		
	R4361	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4362	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4363	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4364	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	1		
	R4365	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	1		
	R4366	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4367	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R4368	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R4369	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R5001	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5002	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5003	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5004	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5005	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5006	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5007	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5008	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5009	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5010	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5011	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5012	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5013	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5015	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5016	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5017	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5018	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5019	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5020	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5021	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5022	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5023	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5024	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5025	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5027	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5028	nsp	RES, CHIP(1005/5%/56Kohm)		CRJ06IJ563T	1		
	R5029	nsp	RES, CHIP(1005/0.5%/10Kohm)		CRJ06ID1002T	1		
	R5030	nsp	RES, CHIP(1005/0.5%/10Kohm)		CRJ06ID1002T	1		
	R5031	nsp	RES, CHIP(1005/0.5%/10Kohm)		CRJ06ID1002T	1		
	R5032	943129501070S	RES, CHIP(1005/0.5%/2.7Kohm)		CRJ06ID2701T	1	*	
	R5033	nsp	RES, CHIP(1005/0.5%/300ohm)		CRJ06ID3000T	1		
	R5034	nsp	RES, CHIP(1005/0.5%/1.8Kohm)		CRJ06ID1801T	1		
	R5036	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5037	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5038	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5043	nsp	RES, CHIP(1005/5%/33Kohm)		CRJ06IJ333T	1		
	R5044	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5045	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5061	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5062	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5063	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5064	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5065	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5066	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5067	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5068	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5069	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5070	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5071	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5072	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5073	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5074	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5075	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5076	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5077	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5078	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5079	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5080	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5081	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5082	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5083	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5084	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5085	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5086	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5087	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5088	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5091	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5093	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5095	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5101	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5102	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5103	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5111	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5112	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5113	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5114	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5115	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5116	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5121	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R5123	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5124	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5125	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5126	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5127	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5128	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5301	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C4313	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4314	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4315	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4316	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4317	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4318	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4319	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4320	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4321	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4322	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4323	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4324	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4325	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4326	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4327	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4328	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4329	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4330	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4331	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4332	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4333	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4334	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4335	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4336	nsp	CAP, CHIP(1608, 50V/9pF, C0G) SAMSUNG	CCUS1H090DAS	1		
C4337	nsp	CAP, CHIP(1608, 50V/9pF, C0G) SAMSUNG	CCUS1H090DAS	1		
C4338	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4339	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4340	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4341	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4342	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4343	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4344	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4345	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4346	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4347	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4348	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4349	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C4353	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4354	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4355	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4356	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4357	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4358	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4359	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4360	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4361	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG	CCU1H102KCS	1		
C4371	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG	CCUS1A105KCS	1		
C4372	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG	CCUS1A105KCS	1		
C4373	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG	CCUS1A105KCS	1		
C4374	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG	CCUC0J106KCS	1		
C4375	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG	CCUC0J106KCS	1		
C4381	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4382	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4383	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4384	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4396	943134503260S	CAP, ELECT (100uF/6.3V, PVO, ELNA)	CCCEC0JPVO101TS	1		
C4404	943134503260S	CAP, ELECT (100uF/6.3V, PVO, ELNA)	CCCEC0JPVO101TS	1		
C4406	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG	CCUC0J106KCS	1		
C4407	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG	CCUC0J106KCS	1		
C4411	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4412	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4417	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4418	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4420	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4421	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4423	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C4424	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C5001	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C5002	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C5003	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG	CCUS0J475KCS	1		
C5004	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5005	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5006	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5091	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5092	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG	CCUS1A105KCS	1		
C5093	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG	CCUS1A105KCS	1		
C5094	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5098	nsp	CAP, CHIP(1005, 25V/0.022uF, X7R) SAMSUNG	CCU1E223KCS	1		
C5101	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5111	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5112	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5113	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5114	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5115	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5116	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
C5119	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG	CCU1C104KCS	1		
OTHER PARTS GROUP						
BK101	nsp	BRACKET , PCB	CMD1A569-V1	1		
BK102	nsp	BRACKET , PCB	CMD1A629	1		
BK103	nsp	BRACKET , PCB	CMD1A569-V1	1		
BK106	nsp	BRACKET , LEGO	VMD1A960	1		
BK107	nsp	BRACKET , LEGO	VMD1A960	1		
BK108	nsp	BRACKET , LEGO	VMD1A960	1		
BK109	nsp	BRACKET , LEGO	VMD1A960	1		
BN21A	nsp	PIN SOCKET(15P,1.25mm,ANGLE,B-TO-B)	CJP15HJ282Z	1		
BN23A	nsp	PIN SOCKET (25P,1.25mm,ANGLE, B-TO-B)	CJP25HJ282Z	1		
BN24A	nsp	PIN SOCKET (27P,1.25mm,ANGLE,B-TO-B)	CJP27HJ282Z	1		
BN25A	nsp	PIN SOCKET (25P,1.25mm,ANGLE, B-TO-B)	CJP25HJ282Z	1		
BN26A	nsp	PIN SOCKET(15P,1.25mm,ANGLE,B-TO-B)	CJP15HJ282Z	1		
BN27A	nsp	PIN SOCKET(15P,1.25mm,ANGLE,B-TO-B)	CJP15HJ282Z	1		
CN321	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/5PIN	CJP05GI288ZY	1		
CN431	nsp	WAFER, FFC(23PIN, 1mm STRAIGHT)	CJP23GA333ZR	1		
CN501	nsp	PIN HEADER , (DUAL ROW, 80PIN(2X40), 1.27mm PITCH)	CJP80GA370ZU	1		
CN502	nsp	PIN HEADER , (DUAL ROW, 42PIN(2X21), 1.27mm PITCH)	CJP42GA370ZU	1		
CN69B	nsp	WAFER, FFC, SMD(40P-1mm, STRAIGHT)	CJP40GA193ZY	1		
CN903	nsp	WAFER, STRAIGHT 2.5MM DIP 06P	CJP06GA353ZJ	1		
JK201	90M-YT003480R	JACK, 2P(B/B), GOLD	CJ4N023Z	1		
JK202	943262100150S	MODULE , OPTICAL(RX 16MHz)	CJSJSR1124	1		
JK203	943262100150S	MODULE , OPTICAL(RX 16MHz)	CJSJSR1124	1		
JK381	943643102920S	JACK , HDMI(TYPE-A, SMT-19P, WITH FLANGE)	CJ39H021Z	1		
JK382	943643102920S	JACK , HDMI(TYPE-A, SMT-19P, WITH FLANGE)	CJ39H021Z	1		
JK383	943643102920S	JACK , HDMI(TYPE-A, SMT-19P, WITH FLANGE)	CJ39H021Z	1		
JK384	943643102920S	JACK , HDMI(TYPE-A, SMT-19P, WITH FLANGE)	CJ39H021Z	1		

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
L4014	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1		
L4015	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1		
L4016	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1		
L4301	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1		
L4303	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1		
L4304	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1		
L4305	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1		
L4307	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1		
L4308	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1		
L4309	nsp	FERRITE CHIP BEAD(30R/2012/3000mA)		CLZBLM21PG300SN1D	1		
L4310	nsp	FERRITE CHIP BEAD(30R/2012/3000mA)		CLZBLM21PG300SN1D	1		
L4311	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ0621J0R0T	1		
L4312	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ0621J0R0T	1		
L4313	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ0621J0R0T	1		
L4314	943113100000S	COMMON MODE FILTER (1210, 90ohm)		CLZ9Z188Z	1		
L4321	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ0621J0R0T	1		
L4322	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ0621J0R0T	1		
L4323	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ0621J0R0T	1		
L4324	943113100000S	COMMON MODE FILTER (1210, 90ohm)		CLZ9Z188Z	1		
L5091	nsp	RES, CHIP(2012/5%/0ohm)		CRJ18AJ0R0T	1		
L5111	nsp	COMMON MODE FILTER (2012, 90ohm)		CLZ9Z174Z	1		
L5112	nsp	COMMON MODE FILTER (2012, 90ohm)		CLZ9Z174Z	1		
X1501	943141101260S	X-TAL, SMD(12MHz/8pF, FA-238V, 3.2X2.5)		COX12000I080SP	1		
X2001	943141101310S	X-TAL, SMD(24.576MHz/10pF, FA-238, 3.2X2.5)		COX24576I100SP	1		
X2281	236810011501S	OSC, SMD(22.5792MHz, 2.5X2.0, 15P, 1.6V-3.6V)		COX22579I150SP	1		
X2501	943141101280S	X-TAL, SMD(25MHz/12pF, FA-238, 3.2X2.5)		COX25000I120SP	1		
X2601	943141101280S	X-TAL, SMD(25MHz/12pF, FA-238, 3.2X2.5)		COX25000I120SP	1		
X2701	943141101280S	X-TAL, SMD(25MHz/12pF, FA-238, 3.2X2.5)		COX25000I120SP	1		
X2801	943141101280S	X-TAL, SMD(25MHz/12pF, FA-238, 3.2X2.5)		COX25000I120SP	1		
X3501	943141101300S	X-TAL, SMD(27MHz/12pF, FA-238, 3.2X2.5)		COX27000I120SP	1		
X3801	943141101290S	X-TAL, SMD(27MHz/7pF, FA-238, 3.2X2.5)		COX27000I070SP	1		
X3901	943141101290S	X-TAL, SMD(27MHz/7pF, FA-238, 3.2X2.5)		COX27000I070SP	1		
X4001	943141101300S	X-TAL, SMD(27MHz/12pF, FA-238, 3.2X2.5)		COX27000I120SP	1		
X4301	943141101290S	X-TAL, SMD(27MHz/7pF, FA-238, 3.2X2.5)		COX27000I070SP	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						
D9001	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9002	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9003	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9004	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9005	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9006	943203003150S	DIODE, RECTIFIER, RADIAL		CVD1N4007SRT	1	
D9008	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9009	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9010	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9012	nsp	HEATSINK ASS'Y(CVDFMW-4306 + CMY3A238 + CTW3+10JR)		CVDFMW-4306CDA	1	
D9012-1	943204500620S	DIODE, SCHOTTKY 60V 30A TO-3P		CVDFMW-4306	1	
D9012-2	nsp	SCREW		VTW3+10JR	1	
D9013	943203003150S	DIODE, RECTIFIER, RADIAL		CVD1N4007SRT	1	
IC901	nsp	HEATSINK ASS'Y(CVITOP268EG+CMD1A942+CMY7A025+ CTB3		CVITOP268EGCHA	1	
IC901-1	943231102350S	I.C., OFF-LINE POWER SWITCH		CVITOP268EG	1	
IC901-2	nsp	BRACKET, PWM IC		VMD1A942	1	
IC901-3	nsp	SCREW		VTB3+8JR	1	
! IC902	00D2623047008	I.C., PHOTOCOUPLER		CVIPC123Y22FZ0F	1	
IC903	212050010508S	I.C.SHUNT REGULATOR(TO-92)		CVIKIA2431AP	1	
! IC905	00D2623047008	I.C., PHOTOCOUPLER		CVIPC123Y22FZ0F	1	
Q9001	943229500110S	F.E.T., INK0010AC1 (N-CH, SC-59, MOSFET, ISAHAYA)		CVTINK0010AC1	1	
Q9003	943214500020S	T.R.2SC3052		CVT2SC3052	1	
Q9004	943214500020S	T.R.2SC3052		CVT2SC3052	1	
ZD908	943202500850S	TVS DIODE, 120V / 5W	U	CVDP6KE120AT	1	
ZD911	943202500860S	TVS DIODE, 150V / 5W		CVDP6KE150AT	1	
ZD917	943202501120S	DIODE, ZENER, 1/2W, 39V		CVDZJ39BL	1	
ZD918	943202501160S	DIODE, ZENER, 1/2W, 27V		CVDZJ27BL	1	
ZD919	943202501190S	DIODE, ZENER, 1/2W, 5.6V		CVDZJ5V6BL	1	
ZD920	943202501120S	DIODE, ZENER, 1/2W, 39V		CVDZJ39BL	1	
ZD921	943202501200S	DIODE, ZENER, 1/2W, 7.5V	U	CVDZJ7V5BL	1	
ZD921	943202501180S	DIODE, ZENER, 1/2W, 16V	N	CVDZJ16BL	1	
RESISTOR GROUP						
R9004	nsp	RES, CHIP(1608/5%/330Kohm)		CRJ10DJ334T	1	
R9006	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ1105T	1	
! R9008	943121500030S	RES, CHIP(2012/5%/2.2Mohm)	U	CRJ18AJ225T	1	
! R9009	943121500030S	RES, CHIP(2012/5%/2.2Mohm)	U	CRJ18AJ225T	1	
R9010	nsp	RES, CHIP(2012/5%/1Mohm)	U	CRJ18AJ105T	1	
R9013	nsp	RES, CHIP(3216/5%/22ohm)		CRJ14CJ220T	1	
R9014	nsp	RES, CHIP(1608/5%/270Kohm)	U	CRJ10DJ274T	1	
R9014	nsp	RES, CHIP(1608/5%/56Kohm)	N	CRJ10DJ563T	1	
R9015	nsp	RES, CHIP(1608/5%/4.7Kohm)	U	CRJ10DJ472T	1	
R9015	nsp	RES, CHIP(1608/5%/6.8Kohm)	N	CRJ10DJ682T	1	
R9016	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R9017	nsp	RES, CHIP(1608/5%/6.8ohm)		CRJ10DJ68R8T	1	
R9018	nsp	RES, CARBON(1/5W,56ohm,J)		CRD20TJ560T	1	
R9019	nsp	RES, CARBON(1/5W,3.3Kohm,J)		CRD20TJ332T	1	
R9020	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
R9021	nsp	RES, CHIP(1608/1%/22Kohm)		CRJ10DF2202T	1	
R9024	nsp	RES, CHIP(1608/1%/6.8Kohm)		CRJ10DF6801T	1	
R9026	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R9027	nsp	RES, CARBON(1/5W,4.7Kohm,J)		CRD20TJ472T	1	
! R9031	943121501000S	RES, SURGE, (8.2M OHM, 5%, 1/2W, PRC TYPE)		CRO50TJ3825T	1	
R9035	nsp	RES, CHIP(2012/5%/1Mohm)		CRJ18AJ105T	1	
R9036	nsp	RES, CHIP(2012/5%/1Mohm)		CRJ18AJ105T	1	
R9037	nsp	RES, CHIP(2012/5%/1Mohm)		CRJ18AJ105T	1	
R9038	nsp	RES,CHIP(3216/5%/10ohm)		CRJ14CJ1100T	1	
R9043	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R9044	nsp	RES, CHIP(1608/5%/56Kohm)		CRJ10DJ563T	1	
R9045	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
CAPACITORS GROUP						
! C9001	943132100650S	CAP, CERAMIC(X1/Y2, 0.01uF, AC250V)		CCKDKY103MFMF	1	
! C9002	943132100650S	CAP, CERAMIC(X1/Y2, 0.01uF, AC250V)		CCKDKY103MFMF	1	
! C9003	943132100650S	CAP, CERAMIC(X1/Y2, 0.01uF, AC250V)		CCKDKY103MFMF	1	
C9004	943134503040S	CAP, ELECT(200V/220uF),105°C	U	CCET200NHA221ES	1	
C9004	963134010200S	CAP, ELECT (400V/100UF, 18X40, NHA)	N	CCET400NHA101ES	1	
C9006	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C9007	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	U	CCUS1H104KCS	1	
C9008	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C9009	nsp	CAP, ELECT(50V/22uF),105°C		CCEA1HNXA220TS	1	
C9012	943132100600S	CAP, CERAMIC(DC1KV/2200pF)		CCKDDH222KCM	1	
C9013	943132100610S	CAP, CHIP(3216, 50V/1000pF)		CCUP1H102KCS	1	
C9014	943132100610S	CAP, CHIP(3216, 50V/1000pF)		CCUP1H102KCS	1	
C9016	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C9017	00MOA47602520	CAP, ELECT(25V/47uF),105°C		CCEA1ENXA470TS	1	
C9018	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C9019	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R) SAMSUNG		CCUS0J475KCS	1	
C9020	943134503310S	CAP, ELECT(6.3V/5600uF/105°C),12.5X35"		CCEA0JKZH562EKS	1	
C9021	943134503310S	CAP, ELECT(6.3V/5600uF/105°C),12.5X35"		CCEA0JKZH562EKS	1	
C9022	943134503310S	CAP, ELECT(6.3V/5600uF/105°C),12.5X35"		CCEA0JKZH562EKS	1	
C9024	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C9028	943132100620S	CAP, CERAMIC(X1/Y1,3300P,AC250V)	U	CCKDKX332MEMNG	1	
! C9028	943132100670S	CAP, CERAMIC(X1/Y1, 2200pF, AC250V)	N	CCKDKX222MEMF	1	
C9029	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C9032	943139500110S	CAP, CHIP(3216, 1KV/47pF, C0G) SAMSUNG		CCUP3A470JAS	1	
C9036	nsp	CAP, CHIP(1608, 10V/4.7uF, X5R) SAMSUNG		CCUS1A475KCS	1	
C9037	nsp	CAP, CHIP(1608, 10V/4.7uF, X5R) SAMSUNG		CCUS1A475KCS	1	
OTHER PARTS GROUP						
BK901	nsp	BRACKET, PCB M3		CMD1A834	1	
BN901	nsp	WIRE ASS'Y, (6P, 2.5mm, 50mm, UL1569#22, 105)		CWB7D006050AGD	1	
CN902	nsp	WAFER, 2P		CJP02GB89ZY	1	
! CX901	943139500020S	CAP, POLYPROPYLENE FILM (0.1uF/275VAC)		CCQF2E104KZE-T	1	
! CX902	943139500020S	CAP, POLYPROPYLENE FILM (0.1uF/275VAC)	U	CCQF2E104KZE-T	1	
! CY901	943132100630S	CAP, CERAMIC(X1/Y1,1000P,AC250V)		CCKDKX102MEMNG	1	
! CY901	943132100660S	CAP, CERAMIC(X1/Y1, 470pF, AC250V)	N	CCKDKX471KBMF	1	
! CY902	943132100630S	CAP, CERAMIC(X1/Y1,1000P,AC250V)	U	CCKDKX102MEMNG	1	
! CY902	943132100660S	CAP, CERAMIC(X1/Y1, 470pF, AC250V)	N	CCKDKX471KBMF	1	
! F9001	963652010510S	FUSE(S506 Series, 250V,2A)	U	CBA2C2000TLEC	1	
! F9001	963652010500S	FUSE(S506 Series, 250V,1.6A)	N	CBA2C1600TLEC	1	
F9001-1	nsp	HOLDER, FUSE		KJCF5S	2	
! F9002	943652500320M	FUSE(218Series, 250V/1.6A)	U	KBA2C1600TLEY	1	
! F9002	943652001740S	FUSE(218Series, 250V/1A)	N	KBA2C1000TLEY	1	
F9002-1	nsp	HOLDER, FUSE		KJCF5S	2	
! JK901	943641500620S	2P AC INLET, 250V, 10A CLASS2		CJ38A023Y	1	
L9001	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ30R0T	1	
! LF901	943111101290S	LINE FILTER(1.2A,29mH)	U	CLZ9Z176Z	1	

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
!	LF901	943111101300S	LINE FILTER(0.7A,65mH)	N	CLZ9Z177Z	1		
!	RY901	963682010370S	RELAY HL31-1AT-5H,DC5V,1C1P		CSL1C006ZE	1		
	T9001	943102100510S	TRANS, SWITCHING		VL9Z119ZE	1		
@		nsp	RUBBER , TRANS		CHG1A587	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						
D5161	00D2760718902	DIODE, SCHOTTKY, 30V		CVDRB521S-30	1	
D5211	943202500740D	DIODE, ZENER(16V/0.5W, SOD-123)		CVDDMM1Z16H	1	
D5221	943202500740D	DIODE, ZENER(16V/0.5W, SOD-123)		CVDDMM1Z16H	1	
D5256	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D5257	90M-HI200020R	INFRARED L.E.D		BVDSIR345T3F	1	
D5312	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
IC511	235810046603S	I.C., MULTI INPUT VIDEO		CVIADM2000	1	
IC513	943239010400S	I.C. REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1	
IC521	963239008800S	I.C. RS232 (3.3V)		CVIIX3232DT	1	
Q5211	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)		CVTFDC608PZ	1	
Q5212	943216500020S	T.R.RT1N141C(10K-10K)		CVTRT1N141C	1	
Q5221	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)		CVTFDC608PZ	1	
Q5222	943216500020S	T.R.RT1N141C(10K-10K)		CVTRT1N141C	1	
Q5253	943215500030S	T.R.RT1P441C(47K-47K)		CVTRT1P441C	1	
Q5311	943215500020S	T.R.RT1P141C(10K-10K)		CVTRT1P141C	1	
Q5312	943216500020S	T.R.RT1N141C(10K-10K)		CVTRT1N141C	1	
Q5313	943215500020S	T.R.RT1P141C(10K-10K)		CVTRT1P141C	1	
Q5314	943215500020S	T.R.RT1P141C(10K-10K)		CVTRT1P141C	1	
Q5315	943214500020S	T.R.2SC3052		CVT2SC3052	1	
RESISTOR GROUP						
R5101	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5102	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5103	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5104	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R5107	nsp	RES, CHIP(1608/5%/75ohm)		CRJ10DJ750T	1	
R5109	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5110	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
R5111	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5112	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
R5121	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5122	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5123	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5124	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5125	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5126	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5131	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5132	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5133	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5134	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5135	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5136	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5151	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5152	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5153	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5154	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5155	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5156	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	1	
R5171	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R5172	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R5173	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
R5174	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
R5175	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5176	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5177	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5178	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5179	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5180	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5181	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5183	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
R5184	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
R5185	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
R5186	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
R5187	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5188	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5189	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5190	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
R5193	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
R5211	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
R5212	nsp	RES, CHIP(1608/5%/2.7Kohm)		CRJ10DJ272T	1	
R5221	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
R5222	nsp	RES, CHIP(1608/5%/2.7Kohm)		CRJ10DJ272T	1	
R5223	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R5224	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R5225	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R5226	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R5231	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5232	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5233	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5234	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5255	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R5256	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5257	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R5258	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R5311	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R5312	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R5313	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R5314	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
R5315	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1	
R5316	nsp	RES, CHIP(1608/5%/18Kohm)		CRJ10DJ183T	1	
R5317	nsp	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1	
CAPACITORS GROUP						
C5107	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C5108	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C5109	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C5121	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C5122	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C5123	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C5131	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C5132	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C5133	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C5151	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C5152	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C5153	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C5161	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5162	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C5163	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5164	nsp	CAP, ELECT(16V/47uF)		CCEA1CH470T	1	
C5165	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5166	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5171	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5174	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5175	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5176	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5178	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5179	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5180	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5181	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5182	nsp	CAP, ELECT(16V/47uF)		CCEA1CH470T	1	
C5183	nsp	CAP, ELECT(16V/47uF)		CCEA1CH470T	1	
C5184	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5185	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5186	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5187	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5188	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5189	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5190	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5191	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5192	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5193	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C5211	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C5212	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5213	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5215	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5221	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C5222	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5223	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5225	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5226	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C5231	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5233	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5234	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5235	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5236	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C5237	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5238	nsp	CAP, CHIP(1608, 50V/33pF, C0G) SAMSUNG		CCUS1H330JAS	1	
C5239	nsp	CAP, CHIP(1608, 50V/33pF, C0G) SAMSUNG		CCUS1H330JAS	1	
C5241	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5242	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C5243	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5244	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C5245	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C5246	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5256	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5257	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5312	nsp	CAP, CHIP(2012, 10V/4.7uF, Y5V) SAMSUNG		CCUC1A475ZFS	1	
C5313	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5326	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5327	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C5328	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5329	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C5330	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5331	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C5332	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C5333	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
OTHER PARTS GROUP						
BK503	nsp	BRACKET , SHIELD		VMD1A775	1	
BN21B	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1	
BN27B	nsp	PIN SOCKET(15P,1.25mm,ANGLE,B-TO-B)		CJP15HJ282Z	1	
BN28B	nsp	PIN SOCKET(07P,1.25mm,ANGLE,B-TO-B)		CJP07HJ282Z	1	
JK511	943643103010S	JACK, RCA 5P (Y/Y/Y/Y/Y) GOLD		CJJ4T002Z	1	
JK512	943643102160S	JACK, 6P(G/G,B/B,R/R), GOLD		CJJ4R055Z	1	
JK513	943643102160S	JACK, 6P(G/G,B/B,R/R), GOLD		CJJ4R055Z	1	
JK521	943646100420S	JACK, 9P D-SUB FEMALE(RS-232C)		CJJ9W001Z	1	
JK522	90M-YT004860R	JACK, STEREO (BLK MOLD)		CJJ2D008Z	1	
JK523	90M-YT004860R	JACK, STEREO (BLK MOLD)		CJJ2D008Z	1	
JK526	90M-YT004860R	JACK, STEREO (BLK MOLD)		CJJ2D008Z	1	
JK531	90M-YT003120R	JACK, 2P(ORG), SEPA-GND, SILVER		CJJ4N036Z	1	
L5164	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1	
L5165	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1	
L5166	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1	
L5311	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1	
L5312	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1	
L5313	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1	
L5314	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1	
L5315	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1	
RC521	262010007707S	SENSOR, REMOTE(36.7KHz)		CRVHM336R	1	

XLR 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						
D9200	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9201	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9202	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9203	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9204	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9205	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9206	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9207	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9208	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9209	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9210	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9211	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9212	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9233	nsp	EOL item WIRE, COPPER(D0.6)		C3A206	0.02	
D9234	nsp	EOL item WIRE, COPPER(D0.6)		C3A206	0.02	
D9303	nsp	EOL item WIRE, COPPER(D0.6)		C3A206	0.02	
D9304	nsp	EOL item WIRE, COPPER(D0.6)		C3A206	0.02	
D9315	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9316	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9317	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9318	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9331	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9333	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9336	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9338	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9339	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9340	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9342	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9343	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9345	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9348	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9350	943203500730S	DIODE, RECTIFIER, AXIAL		CVD1N4007SL	1	
D9355	nsp	EOL item WIRE, COPPER(D0.6)		C3A206	0.02	
D9356	nsp	EOL item WIRE, COPPER(D0.6)		C3A206	0.02	
D9400	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9500	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
D9501	943202500870S	DIODE, ZENER(3.0V/0.5W, SOD-123)		CVDMM1Z3V0H	1	
IC931	943231010390S	I.C.REGULATOR(+5V,T0220IS)		CVIKIA7805BPI	1	
IC933	943232100370S	I.C.REGULATOR(+12V,T0220I)		CVIKIA7812BPI	1	
IC934	943231010390S	I.C.REGULATOR(+5V,T0220IS)		CVIKIA7805BPI	1	
IC935	00D2631099006	I.C.REGULATOR(-5V,T0220IS)		CVIKIA7905PI	1	
IC936	943231101930S	I.C., REGULATOR(+7V,T0-220IS)		CVIKIA7807BPI	1	
IC937	943231101920S	I.C., REGULATOR(-7V,T0-220IS)		CVIKIA7907PI	1	
IC940	00MHC10200090	I.C., HEADPHONE (JRC)		HVINJM4556AL	1	
Q9200	943213500160S	T.R.RT1N237C(2.2K-47K)		CVTRT1N237C	1	
Q9202	943213500160S	T.R.RT1N237C(2.2K-47K)		CVTRT1N237C	1	
Q9203	943213500160S	T.R.RT1N237C(2.2K-47K)		CVTRT1N237C	1	
Q9205	943213500160S	T.R.RT1N237C(2.2K-47K)		CVTRT1N237C	1	
Q9207	943213500160S	T.R.RT1N237C(2.2K-47K)		CVTRT1N237C	1	
Q9209	943213500160S	T.R.RT1N237C(2.2K-47K)		CVTRT1N237C	1	
Q9211	943213500160S	T.R.RT1N237C(2.2K-47K)		CVTRT1N237C	1	
Q9212	943213500160S	T.R.RT1N237C(2.2K-47K)		CVTRT1N237C	1	
Q9400	943213500160S	T.R.RT1N237C(2.2K-47K)		CVTRT1N237C	1	
RESISTOR GROUP						
R9213	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9214	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9215	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9216	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9217	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9218	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9219	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9220	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9221	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9222	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9223	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9224	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9225	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9226	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9227	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9228	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9229	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9230	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9231	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9232	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9233	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9234	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9235	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9236	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9237	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9238	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9239	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9240	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9241	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9242	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9243	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9244	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9245	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9246	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9247	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9248	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9249	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9250	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9251	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9252	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9253	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9254	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9255	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9256	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9257	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9258	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9259	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9260	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9261	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9262	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9263	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R9264	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9265	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9266	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9267	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9268	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9269	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9270	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9271	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9272	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9273	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9274	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9275	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9276	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9277	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9278	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9279	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9280	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9281	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9282	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9283	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9284	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9285	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9286	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9301	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9302	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9303	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9304	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R9401	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
R9402	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R9403	nsp	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	1	
R9404	nsp	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	1	
R9405	nsp	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	1	
R9406	nsp	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	1	
R9407	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R9408	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
R9409	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9410	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9411	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9412	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
R9413	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
R9414	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
R9415	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
R9416	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9417	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9418	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9500	nsp	RES, M-OXIDE FILM(1W/470ohm)		CRG1SANJ471RT	1	
R9801	nsp	RES, CHIP(1608/5%/100ohm)	N	CRJ10DJ101T	1	
R9802	nsp	RES, CHIP(1608/5%/100ohm)	N	CRJ10DJ101T	1	
R9803	nsp	RES, CHIP(1608/5%/100ohm)	N	CRJ10DJ101T	1	
R9804	nsp	RES, CHIP(1608/5%/100ohm)	N	CRJ10DJ101T	1	
R9806	nsp	RES, CHIP(1608/5%/100ohm)	N	CRJ10DJ101T	1	
R9819	nsp	RES, CHIP(1608/5%/27Kohm)	N	CRJ10DJ273T	1	
R9820	nsp	RES, CHIP(1608/5%/27Kohm)	N	CRJ10DJ273T	1	
R9821	nsp	RES, CHIP(1608/5%/0ohm)	N	CRJ10DJ0R0T	1	
R9822	nsp	RES, CHIP(1608/5%/0ohm)	N	CRJ10DJ0R0T	1	
R9823	nsp	RES, CHIP(1608/5%/270ohm)	N	CRJ10DJ271T	1	
R9824	nsp	RES, CHIP(1608/5%/270ohm)	N	CRJ10DJ271T	1	
CAPACITORS GROUP						
C9213	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9214	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9215	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9216	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9219	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9220	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9221	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C9222	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C9223	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C9224	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C9225	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9226	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9227	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9231	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9232	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9233	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9237	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9238	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9239	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9240	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9243	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9244	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9245	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C9246	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C9247	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C9248	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C9249	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9250	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9251	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9255	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9256	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9257	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9261	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9262	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9263	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9264	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9267	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9268	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9273	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9274	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9275	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9279	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9280	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9281	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9285	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9286	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C9287	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	1	
C9301	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1	
C9303	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C9306	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C9309	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	1	
C9311	943134010600S	CAP, ELECT(16V/3300uF)		CCEA1CH332E	1	
C9312	943134010600S	CAP, ELECT(16V/3300uF)		CCEA1CH332E	1	
C9315	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C9316	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
C9317	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
C9318	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
C9321	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	1		
C9322	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	1		
C9331	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQ1H104J2T	1		
C9332	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQ1H104J2T	1		
C9333	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQ1H104J2T	1		
C9334	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQ1H104J2T	1		
C9335	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQ1H104J2T	1		
C9336	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQ1H104J2T	1		
C9337	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQ1H104J2T	1		
C9401	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	1		
C9402	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1		
C9403	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
C9404	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
C9405	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
C9407	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1		
C9408	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	1		
C9409	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
C9500	00D2544578711	CAP, ELECT(16V/2200uF),ELNA/RA3		CCEA1CRA38P222E	1		
C9501	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
C9801	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	N	CCUS1H101JAS	1		
C9802	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	N	CCUS1H101JAS	1		
C9803	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	N	CCUS1H101JAS	1		
C9804	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	N	CCUS1H104KCS	1		
C9806	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	N	CCUS1H101JAS	1		
C9811	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	N	CCUS1H104KCS	1		
OTHER PARTS GROUP							
BD981	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)	N	CLZ9R005V	1		
BK901	nsp	PLATE , MAIN PCB		VMC2A424	1		
BK902	nsp	PLATE , MAIN PCB		VMC2A424	1		
BK903	nsp	PLATE , MAIN PCB		VMC2A424	1		
BK921	nsp	BRACKET , PCB		CMD1A569-V1	1		
BK922	nsp	BRACKET , PCB		CMD1A569-V1	1		
BK931	nsp	BRACKET , PCB		CMD1A629	1		
BN920	nsp	WIRE ASS'Y LOCKING (9P,2.0MM,200MM,UL1007#26)		CWB1B009200HC	1		
BN921	nsp	WIRE ASS'Y (15P,2.0MM,200MM,UL1007#26)		CWB1B015200HC	1		
BN922	nsp	WIRE ASS'Y (13P,2.0MM,200MM,UL1007#26)		CWB1B013200HC	1		
BN923	nsp	WIRE ASS'Y (7P,2.0MM,200MM,UL1007#26)		CWB1B007200HC	1		
BN932	nsp	PINHEADER(07P,1.25mm,STRAIGHT,B-TO-B)		CJP07GI281Z	1		
BN932A	nsp	PIN SOCKET(07P,1.25mm,ANGLE,B-TO-B)		CJP07HJ282Z	1		
BN933	nsp	PINHEADER(07P,1.25mm,STRAIGHT,B-TO-B)		CJP07GI281Z	1		
BN933A	nsp	PIN SOCKET(07P,1.25mm,ANGLE,B-TO-B)		CJP07HJ282Z	1		
CN25D	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP25GI281Z	1		
CN77D	nsp	WAFER, FFC(21P,1.25mm, STRAIGHT)		CJP19GI281Z	1		
CN940	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1		
CN941	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/3PIN		CJP03GI289ZY	1		
! F9331	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	1		
F9331-1	nsp	HOLDER , FUSE		KJCFCS5	2		
! F9332	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	1		
F9332-1	nsp	HOLDER , FUSE		KJCFCS5	2		
! F9333	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	1		
F9333-1	nsp	HOLDER , FUSE		KJCFCS5	2		
! F9334	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	1		
F9334-1	nsp	HOLDER , FUSE		KJCFCS5	2		
! F9335	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	1		
F9335-1	nsp	HOLDER , FUSE		KJCFCS5	2		
J9301	nsp	EOL item WIRE, COPPER(D0.6)	N	C3A206	0.02		
JK920	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK921	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK922	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK923	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK924	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK925	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK926	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK927	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK928	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK929	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK930	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK931	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
JK932	943643103070S	JACK, XLR,Male type		CJS6S013Z	1		
RY920	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY921	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY922	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY923	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY924	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY925	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY926	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY927	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY928	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY929	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY930	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY931	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY932	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
RY940	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
TU901	943183100640S	TUNER , RDS , FM(PAL TYPE) , AM , SI4731-D60	N	CNVYST990-D8E2	1		
@	nsp	TAPE, HEMELON		VHS1A032	0.5		

FRONT CNT 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						
IC301	943239101840S	I.C., 8CH Premium DAC(QFN-48P)	CVIAK4458VN	1		
IC302	943232100380S	I.C., DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC303	943232100380S	I.C., DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC304	943232100380S	I.C., DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC305	943232100380S	I.C., DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC311	943239101840S	I.C., 8CH Premium DAC(QFN-48P)	CVIAK4458VN	1		
IC312	943232100380S	I.C., DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC313	943232100380S	I.C., DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC314	943232100380S	I.C., DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC315	00MHC10172090	I.C., OP AMP	HVINJM2115MTE1	1		
IC316	00MHC10172090	I.C., OP AMP	HVINJM2115MTE1	1		
RESISTOR GROUP						
R3001	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R3002	nsp	RES, CHIP(1608/5%/1Kohm)	CRJ10DJ102T	1		
R3011	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3012	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3013	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3014	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3015	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3016	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3017	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3018	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3019	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3020	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3021	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3022	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3023	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3024	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3025	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3026	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3027	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R3028	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R3029	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3030	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3031	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3032	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3033	nsp	RES, CHIP(1608/5%/47Kohm)	CRJ10DJ473T	1		
R3034	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3035	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R3036	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3037	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R3038	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3039	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R3040	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3041	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R3042	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3043	nsp	RES, CHIP(1608/5%/47Kohm)	CRJ10DJ473T	1		
R3044	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3045	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R3046	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R3047	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3049	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3051	nsp	RES, CHIP(1608/5%/47Kohm)	CRJ10DJ473T	1		
R3053	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R3055	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R3057	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R3059	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R3061	nsp	RES, CHIP(1608/5%/47Kohm)	CRJ10DJ473T	1		
R3063	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R3065	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3066	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3067	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3068	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3069	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3071	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3073	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3074	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3075	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3076	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3077	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3078	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3079	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3080	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3081	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3083	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3085	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R3086	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R3102	nsp	RES, CHIP(1608/5%/1Kohm)	CRJ10DJ102T	1		
R3111	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3112	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3113	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3114	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3115	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3116	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3117	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3118	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3119	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3120	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3121	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3122	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		
R3123	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3124	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3125	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3126	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3127	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R3128	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R3129	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3130	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3131	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3132	nsp	RES, CHIP(1608/5%/3.9Kohm)	CRJ10DJ392T	1		
R3133	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3134	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R3135	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3136	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R3137	nsp	RES, CHIP(1608/5%/180ohm)	CRJ10DJ181T	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C3172	nsp	CAP, CHIP(2012, 50V/470pF, MURATA GRM21)		CCUMUC1H471JAM	1	
C3173	943132100710S	CAP, CHIP(3216, 16V/4.7uF, Y5V) SAMSUNG		CCUP1C475ZFS	1	
C3176	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C3177	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C3178	nsp	CAP, CHIP(2012, 50V/470pF, MURATA GRM21)		CCUMUC1H471JAM	1	
C3179	nsp	CAP, CHIP(2012, 50V/470pF, MURATA GRM21)		CCUMUC1H471JAM	1	
C3180	943132100710S	CAP, CHIP(3216, 16V/4.7uF, Y5V) SAMSUNG		CCUP1C475ZFS	1	
C3183	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C3184	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C3201	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3202	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3203	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3204	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3205	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3206	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3207	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3208	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3209	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3210	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3211	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3212	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3301	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3302	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3303	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1	
C3304	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3305	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3306	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3307	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3308	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3309	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3310	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3311	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
C3312	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C3313	00D2544574919	CAP, ELECT(50V/47uF, ELNA/RA3)		CCEA1HRA3470T	1	
OTHER PARTS GROUP						
BN25D	nsp	PIN SOCKET (25P, 1.25mm, ANGLE, B-TO-B)		CJP25HJ282Z	1	
CN21A	nsp	PINHEADER(15P, 1.25mm, STRAIGHT, B-TO-B)		CJP15GI281Z	1	
CN21B	nsp	WAFER, FFC(21P-1.25mm, STRAIGHT)		CJP19GI281Z	1	
CN24A	nsp	PIN HEADER (27P, 1.25mm, STRAIGHT, B-TO-B)		CJP27GI281Z	1	
CN24C	nsp	PIN HEADER (27P, 1.25mm, STRAIGHT, B-TO-B)		CJP27GI281Z	1	
CN25A	nsp	PIN HEADER (27P, 1.25mm, STRAIGHT, B-TO-B)		CJP25GI281Z	1	
CN26A	nsp	PINHEADER(15P, 1.25mm, STRAIGHT, B-TO-B)		CJP15GI281Z	1	
CN26C	nsp	PIN HEADER (27P, 1.25mm, STRAIGHT, B-TO-B)		CJP25GI281Z	1	

SIDE CNT 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						
IC961	231310009508S	I.C , REGULATOR (3.3V)	U	CVIPQ033DNA1ZPH	1	
IC962	943232100380S	I.C , DUAL OPAMP(SOP-8P)	U	CVINJM8080G	1	
RESISTOR GROUP						
R9605	nsp	RES, CHIP(1608/5%/39Kohm)	U	CRJ10DJ393T	1	
R9606	nsp	RES, CHIP(1608/5%/39Kohm)	U	CRJ10DJ393T	1	
R9607	nsp	RES, CHIP(1608/5%/24Kohm)	U	CRJ10DJ243T	1	
R9608	nsp	RES, CHIP(1608/5%/24Kohm)	U	CRJ10DJ243T	1	
R9609	nsp	RES, CHIP(1608/5%/100Kohm)	U	CRJ10DJ104T	1	
R9610	nsp	RES, CHIP(1608/5%/100Kohm)	U	CRJ10DJ104T	1	
R9621	nsp	RES, CHIP(1608/5%/15Kohm)	U	CRJ10DJ153T	1	
R9622	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1	
R9623	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1	
R9624	nsp	RES, CHIP(1608/5%/15Kohm)	U	CRJ10DJ153T	1	
R9644	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1	
R9645	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1	
R9646	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1	
CAPACITORS GROUP						
C9601	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	U	CCUS1H104KCS	1	
C9602	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
C9603	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
C9604	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
C9605	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
C9607	nsp	CAP, CHIP(1608, 50V/470pF, C0G) SAMSUNG	U	CCUS1H471JAS	1	
C9608	nsp	CAP, CHIP(1608, 50V/470pF, C0G) SAMSUNG	U	CCUS1H471JAS	1	
C9609	nsp	CAP, CHIP(1608, 50V/33pF, C0G) SAMSUNG	U	CCUS1H330JAS	1	
C9610	nsp	CAP, CHIP(1608, 50V/33pF, C0G) SAMSUNG	U	CCUS1H330JAS	1	
C9611	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	U	CCUS1H104KCS	1	
C9612	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG	U	CCUS1A105KCS	1	
C9613	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	U	CCUS1H104KCS	1	
C9614	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG	U	CCUS1A105KCS	1	
C9615	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
C9616	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
C9617	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
C9618	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
C9622	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	U	CCUS1H104KCS	1	
C9644	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	U	CCUS1H101JAS	1	
C9645	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	U	CCUS1H101JAS	1	
C9646	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	U	CCUS1H101JAS	1	
OTHER PARTS GROUP						
BN77D	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1	
CN23A	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP25GI281Z	1	
CN23C	nsp	WAFER, FFC(21P-1.25mm, STRAIGHT)		CJP19GI281Z	1	
CN27A	nsp	PINHEADER(15P,1.25mm,STRAIGHT,B-TO-B)		CJP15GI281Z	1	
CN27B	nsp	PINHEADER(15P,1.25mm,STRAIGHT,B-TO-B)		CJP15GI281Z	1	
CN28B	nsp	PINHEADER(07P,1.25mm,STRAIGHT,B-TO-B)		CJP07GI281Z	1	
CN64C	nsp	PIN HEADER (11P,1.25mm,STRAIGHT,B-TO-B)		CJP11GI281Z	1	
CN9601	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/3PIN		CJP03GI288ZY	1	
CN9602	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/3PIN		CJP03GI288ZY	1	
CN961	nsp	WAFER, FFC(13P-1.25mm, STRAIGHT)	U	CJP13GA115ZY	1	
J9622	nsp	EOL item WIRE, COPPER(D0.6)	N	C3A206	0.02	
J9623	nsp	EOL item WIRE, COPPER(D0.6)	N	C3A206	0.03	
J9624	nsp	EOL item WIRE, COPPER(D0.6)	N	C3A206	0.02	
J9634	nsp	EOL item WIRE, COPPER(D0.6)	U	C3A206	0.02	
J9635	nsp	EOL item WIRE, COPPER(D0.6)	U	C3A206	0.02	
J9637	nsp	EOL item WIRE, COPPER(D0.6)	U	C3A206	0.02	
J9638	nsp	EOL item WIRE, COPPER(D0.6)	U	C3A206	0.02	
J9639	nsp	EOL item WIRE, COPPER(D0.6)	U	C3A206	0.02	
J9645	nsp	EOL item WIRE, COPPER(D0.6)	U	C3A206	0.03	
J9647	nsp	EOL item WIRE, COPPER(D0.6)	U	C3A206	0.03	
J9650	nsp	EOL item WIRE, COPPER(D0.6)		C3A206	0.02	
JW962	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	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						
D8714	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8845	943203003150S	DIODE, RECTIFIER, RADIAL	CVD1N4007SRT	1		
D8846	943203003150S	DIODE, RECTIFIER, RADIAL	CVD1N4007SRT	1		
D8847	943203003150S	DIODE, RECTIFIER, RADIAL	CVD1N4007SRT	1		
D8848	943202500720S	DIODE, ZENER(3.6V/0.5W, SOD-123)	CVDMM1Z3V6H	1		
D8881	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8882	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8883	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
IC101	963236101380P	I.C. , HDMI BUFFER	CVIAD8195ACPZ	1		
IC466	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC467	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC468	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC471	23581010150AS	I.C. , 8CH VOLUME(SSOP-32P)	CVINJU72343V	1		
IC473	23581010250AS	I.C. , 7IN/3OUT DUAL SW(SSOP-32P)	CVINJU72750V	1		
IC474	23581010250AS	I.C. , 7IN/3OUT DUAL SW(SSOP-32P)	CVINJU72750V	1		
IC475	943235100820S	I.C. , ANALOG SWITCH(SSOP-32P)	CVINJU72751V	1		
IC477	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC478	943235100820S	I.C. , ANALOG SWITCH(SSOP-32P)	CVINJU72751V	1		
IC479	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC481	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC482	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC483	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC484	00D2623727904	I.C. , 2CH VOLUME	CVINJW1194V	1		
IC486	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC487	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC488	943232100380S	I.C. , DUAL OPAMP(SOP-8P)	CVINJM8080G	1		
IC489	00D2623727904	I.C. , 2CH VOLUME	CVINJW1194V	1		
IC491	23581010150AS	I.C. , 8CH VOLUME(SSOP-32P)	CVINJU72343V	1		
IC898	943233102030S	I.C. , Shift/Store Register(SOIC-16P)	CVIMC74HC4094AD	1		
Q1001	943215500020S	T.R.RT1P141C(10K-10K)	CVTRT1P141C	1		
Q1002	943216500040S	T.R.RT1N241C(22K-22K)	CVTRT1N241C	1		
Q8741	943213500160S	T.R.RT1N237C(2.2K-47K)	CVTRT1N237C	1		
Q8881	943213500160S	T.R.RT1N237C(2.2K-47K)	CVTRT1N237C	1		
Q8882	943213500160S	T.R.RT1N237C(2.2K-47K)	CVTRT1N237C	1		
Q8883	943213500160S	T.R.RT1N237C(2.2K-47K)	CVTRT1N237C	1		
Q8923	943215500030S	T.R.RT1P441C(47K-47K)	CVTRT1P441C	1		
Q8924	943216500050S	T.R.RT1N441C(47K-47K)	CVTRT1N441C	1		
Q8927	943214500030S	EOL item T.R. , MUTE	CVTINC2001AC1	1		
Q8928	943214500030S	EOL item T.R. , MUTE	CVTINC2001AC1	1		
Q8930	943215500030S	T.R.RT1P441C(47K-47K)	CVTRT1P441C	1		
Q8973	943215500030S	T.R.RT1P441C(47K-47K)	CVTRT1P441C	1		
Q8974	943216500050S	T.R.RT1N441C(47K-47K)	CVTRT1N441C	1		
Q8977	943214500030S	EOL item T.R. , MUTE	CVTINC2001AC1	1		
Q8978	943214500030S	EOL item T.R. , MUTE	CVTINC2001AC1	1		
Q8980	943215500030S	T.R.RT1P441C(47K-47K)	CVTRT1P441C	1		
RESISTOR GROUP						
R1001	nsp	RES, CHIP(1608/5%/1Kohm)	CRJ10DJ102T	1		
R1003	nsp	RES, CHIP(1608/5%/22Kohm)	CRJ10DJ223T	1		
R1004	nsp	RES, CHIP(1608/5%/47Kohm)	CRJ10DJ473T	1		
R1005	nsp	RES, CHIP(1608/5%/10Kohm)	CRJ10DJ103T	1		
R1007	nsp	RES, CHIP(1608/5%/47Kohm)	CRJ10DJ473T	1		
R1012	nsp	RES, CHIP(1608/5%/2Kohm)	CRJ10DJ202T	1		
R1013	nsp	RES, CHIP(1608/5%/2Kohm)	CRJ10DJ202T	1		
R1022	nsp	RES, CHIP(1608/5%/4.7Kohm)	CRJ10DJ472T	1		
R1896	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4601	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4602	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4603	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4604	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4605	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4606	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4607	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4608	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4609	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4610	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4611	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4612	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4613	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4614	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4615	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4616	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4617	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4618	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4619	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4620	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4621	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4622	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4623	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R4624	nsp	RES, CHIP(1608/5%/33ohm)	CRJ10DJ330T	1		
R4625	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4626	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4627	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4628	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4629	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4630	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4631	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4632	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4633	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4634	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4635	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4636	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4637	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4638	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4639	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4640	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4641	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4642	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4643	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4644	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4645	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4646	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R4647	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4648	nsp	RES, CHIP(1608/5%/820Kohm)	CRJ10DJ824T	1		
R4649	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		
R4650	nsp	RES, CHIP(1608/5%/0ohm)	CRJ10DJ0R0T	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R8927	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R8928	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R8929	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R8930	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
R8951	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R8952	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R8961	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R8962	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R8963	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
R8964	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
R8965	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
R8966	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
R8967	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
R8968	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
R8969	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
R8970	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
R8971	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
R8972	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
R8973	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R8977	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R8978	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
R8979	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
R8980	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
CAPACITORS GROUP						
C1001	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1003	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1004	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1005	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1006	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1007	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C1008	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1009	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1010	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1011	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1012	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1013	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1	
C1014	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1015	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C1016	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1017	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1	
C1018	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1019	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C1020	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4601	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4602	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4603	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4604	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4607	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4608	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4613	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4614	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4617	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4618	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4627	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4628	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4633	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4634	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4637	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4638	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4643	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4644	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4647	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4648	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1	
C4661	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	N	CCUS1H101JAS	1	
C4662	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG	N	CCUS1H101JAS	1	
C4663	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4664	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4665	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C4666	nsp	CAP, CHIP(1608, 50V/220pF, C0G) SAMSUNG		CCUS1H221JAS	1	
C4672	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4673	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4675	nsp	CAP, ELECT(10V/220uF)		CCEA1AH221T	1	
C4676	nsp	CAP, ELECT(10V/220uF)		CCEA1AH221T	1	
C4677	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG		CCUS1H101JAS	1	
C4678	nsp	CAP, CHIP(1608, 50V/100pF, C0G) SAMSUNG		CCUS1H101JAS	1	
C4679	nsp	CAP, MYLAR(50V/0.022uF/J)		HCQ1H223J2T	1	
C4680	nsp	CAP, MYLAR(50V/0.022uF/J)		HCQ1H223J2T	1	
C4681	nsp	CAP, MYLAR(50V/6800pF/J)		HCQ1H682J2T	1	
C4682	nsp	CAP, MYLAR(50V/6800pF/J)		HCQ1H682J2T	1	
C4687	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4688	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4689	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4690	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4707	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4708	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4727	nsp	CAP, ELECT(25V/470uF)		CCEA1EH471T	1	
C4728	nsp	CAP, ELECT(25V/470uF)		CCEA1EH471T	1	
C4761	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C4762	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C4763	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C4764	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	1	
C4765	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	1	
C4766	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	1	
C4767	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	1	
C4768	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	1	
C4769	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	1	
C4770	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	1	
C4771	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	1	
C4773	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4774	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4777	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4778	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4781	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4782	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4783	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4784	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4785	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1	
C4786	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4787	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1	
C4790	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4791	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4794	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
C4795	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
C8920	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1		
C8929	nsp	CAP, ELECT(50V/0.47uF)		CCEA1HHR47T	1		
C8963	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
C8964	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
C8967	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
C8968	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
C8969	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1		
C8970	nsp	CAP, CHIP(1608, 50V/330pF, C0G) SAMSUNG		CCUS1H331JAS	1		
C8979	nsp	CAP, ELECT(50V/0.47uF)		CCEA1HHR47T	1		
C8980	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1		
C8991	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1		
C8992	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1		
C8993	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1		
C8994	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1		
C8995	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1		
C8996	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1		
C8997	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1		
OTHER PARTS GROUP							
BK103	nsp	EARTH , HDMI		VMC2A436	1		
BK104	nsp	PLATE , SHIELD HDMI	N	CMC1A495	1		
BK469	nsp	EARTH , INPUT		VMC1A440	1		
BK499	nsp	BRACKET , PCB		CMD1A629	1		
BN23C	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1		
BN24C	nsp	PIN SOCKET (27P,1.25mm,ANGLE, B-TO-B)		CJP27HJ282Z	1		
BN26C	nsp	PIN SOCKET (25P,1.25mm,ANGLE, B-TO-B)		CJP25HJ282Z	1		
BN322	nsp	WIRE ASS'Y, (3P, 100mm, UL1533#26/UL2547#26)		CWB1B003100HC00	1		
BN323	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	1		
BN325	nsp	WIRE ASS'Y, (3P, 150mm, UL1533#26/UL2547#26)		CWB1B003150HC00	1		
BN481	nsp	WIRE ASS'Y, (13P, 2.0mm, 280mm, UL1007#26, 80)		CWB1B013280HC	1	*	
BN482	nsp	WIRE ASS'Y, (11P, 2.0mm, 280mm, UL1007#26, 80)		CWB1B011280HC	1	*	
BN483	nsp	WIREASS'Y(13P,1PWhite,2.0mmPITCH,700mm,UL1007#26)		CWB1BZ13700HC	1		
BN484	nsp	WIREASS'Y(15P,1PWhite,2.0mmPITCH,700mm,UL1007#26)		CWB1BZ15700HC	1		
BN64C	nsp	PIN SOCKET (11P,1.25mm,ANGLE,B-TO-B)		CJP11HJ282Z	1		
CN101	nsp	WAFER, FFC(23PIN, 1mm STRAIGHT)		CJP23GA333ZR	1		
JK101	943643103000S	JACK , HDMI(TYPE-A, SMT-19P, W/O FLANGE)		CJ39H022Z	1		
JK461	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
JK462	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
JK463	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
JK464	943643102140S	JACK, 4P(W/R,W/B),SEPA-GND, GOLD		CJJ4P080Z	1		
JK465	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
JK871	943643102140S	JACK, 4P(W/R,W/B),SEPA-GND, GOLD		CJJ4P080Z	1		
JK875	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
JK879	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
JK881	943646000840S	JACK, 1P(BK),SEPA-GND,GOLD		CJJ4M056W	1		
JK891	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
L1001	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1		
L1002	nsp	FERRITE CHIP BEAD(1608/60R,CB03YTYH600)		CLZ9R005V	1		
L1111	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	1		
L1112	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	1		
L1113	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	1		
L1114	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	1		
L4661	00D9430193601	COIL, TOROIDAL	N	CLU9S004Z	1		
L4662	00D9430193601	COIL, TOROIDAL	N	CLU9S004Z	1		
LUG12	nsp	WIRE ASS'Y (1P)		CWE8202050RV	1		
RY871	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A0162U	1		
RY881	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A0162U	1		
RY882	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A0162U	1		
RY883	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A0162U	1		

HDAM 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						
D8009	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8010	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8039	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8040	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8062	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8063	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8092	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8093	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8115	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8116	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8145	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8146	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8168	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8169	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8198	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8199	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8221	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8222	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8251	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8252	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8274	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8275	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8304	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8305	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8327	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8328	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8356	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8357	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8380	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8381	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8410	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8411	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8433	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8434	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8463	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8464	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8486	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8487	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8516	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8517	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8539	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8540	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8569	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8570	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8592	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8593	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8622	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8623	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8645	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8646	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8675	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D8676	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D9400	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D9401	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D9402	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D9406	943203500550S	DIODE, BRIDGE(600V/6A)	CVDD5SB60	1		
D9414	943202501010S	DIODE, ZENER(12V/0.5W, SOD-123)	CVDMM1Z12H	1		
D9418	943202501010S	DIODE, ZENER(12V/0.5W, SOD-123)	CVDMM1Z12H	1		
D9424	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
D9425	201310001503S	DIODE, ULTRA-HIGH SPEED	CVDKDS160RTKP	1		
Q8005	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8006	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8009	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8010	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8013	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8014	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8016	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8017	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8021	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8022	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8027	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8028	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8031	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8032	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8034	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8035	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8039	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8040	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8043	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8044	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8046	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8047	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8050	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8051	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8058	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8059	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8062	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8063	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8066	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8067	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8069	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8070	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8074	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8075	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8080	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8081	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8084	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8085	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8087	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8088	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8092	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8093	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8096	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		
Q8097	00D2730464901	T.R, CHIP, SOT-23	HVTKTC3875SYRTH	1		
Q8099	00D9430058908	T.R, CHIP, SOT-23	HVTKTA1504SYRTH	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
Q8600	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8604	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8605	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8610	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8611	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8614	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8615	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8617	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8618	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8622	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8623	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8626	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8627	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8629	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8630	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8633	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8634	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8641	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8642	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8645	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8646	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8649	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8650	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8652	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8653	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8657	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8658	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8663	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8664	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8667	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8668	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8670	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8671	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8675	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8676	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8679	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8680	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8682	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q8683	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8686	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q8687	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q9400	943213500160S	T.R,RT1N237C(2.2K-47K)	CVTRT1N237C	1		
Q9401	943213500160S	T.R,RT1N237C(2.2K-47K)	CVTRT1N237C	1		
Q9402	943213500160S	T.R,RT1N237C(2.2K-47K)	CVTRT1N237C	1		
Q9422	00D2730464901	T.R , CHIP , SOT-23	HVTKTC3875SYRTH	1		
Q9423	00D9430058908	T.R , CHIP , SOT-23	HVTKTA1504SYRTH	1		
Q9424	00D2740198005	T.R	HVTKTD9980	1		
Q9425	00D2720158007	T.R	HVTKTB7780	1		
RESISTOR GROUP						
R8001	nsp	RES, CHIP(1608/5%/10ohm)	CRJ10DJ100T	1		
R8002	nsp	RES, CHIP(1608/5%/10ohm)	CRJ10DJ100T	1		
R8003	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R8004	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R8005	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8006	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8007	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8008	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8009	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R8010	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R8011	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8012	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8013	nsp	RES, CHIP(1608/5%/330ohm)	CRJ10DJ331T	1		
R8014	nsp	RES, CHIP(1608/5%/330ohm)	CRJ10DJ331T	1		
R8015	nsp	RES, CHIP(1608/5%/1Mohm)	CRJ10DJ105T	1		
R8016	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8017	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8018	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R8019	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8020	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8021	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8022	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8023	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R8024	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R8025	nsp	RES, CHIP(1608/5%/2.2Kohm)	CRJ10DJ222T	1		
R8026	nsp	RES, CHIP(1608/5%/2.2Kohm)	CRJ10DJ222T	1		
R8027	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8028	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8029	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8030	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8031	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8032	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8033	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R8034	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8035	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8036	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8037	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8038	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R8039	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R8040	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R8041	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8042	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8043	nsp	RES, CHIP(1608/5%/330ohm)	CRJ10DJ331T	1		
R8044	nsp	RES, CHIP(1608/5%/330ohm)	CRJ10DJ331T	1		
R8045	nsp	RES, CHIP(1608/5%/1Mohm)	CRJ10DJ105T	1		
R8046	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8047	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8048	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8049	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8050	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8051	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8052	nsp	RES, CHIP(1608/5%/100ohm)	CRJ10DJ101T	1		
R8053	nsp	RES, CHIP(1608/5%/100Kohm)	CRJ10DJ104T	1		
R8054	nsp	RES, CHIP(1608/5%/10ohm)	CRJ10DJ100T	1		
R8055	nsp	RES, CHIP(1608/5%/10ohm)	CRJ10DJ100T	1		
R8056	nsp	RES, CHIP(1608/5%/33Kohm)	CRJ10DJ333T	1		
R8057	nsp	RES, CHIP(1608/5%/150ohm)	CRJ10DJ151T	1		
R8058	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8059	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		
R8060	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8061	nsp	RES, CHIP(1608/5%/9.1Kohm)	CRJ10DJ912T	1		
R8062	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R8063	nsp	RES, CHIP(1608/5%/470ohm)	CRJ10DJ471T	1		
R8064	nsp	RES, CHIP(1608/5%/22ohm)	CRJ10DJ220T	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R8630	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8631	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8632	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8633	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8634	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8635	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R8636	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
R8637	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
R8638	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
R8639	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
R8640	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1	
R8641	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8642	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8643	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8644	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8645	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
R8646	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
R8647	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8648	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8649	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
R8650	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
R8651	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
R8652	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8653	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8654	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8655	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8656	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R8657	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8658	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8659	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R8660	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
R8661	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
R8662	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
R8663	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8664	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8665	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8666	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8667	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8668	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8669	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R8670	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8671	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8672	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8673	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8674	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R8675	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
R8676	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
R8677	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8678	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8679	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
R8680	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
R8681	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
R8682	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8683	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8684	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8685	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	1	
R8686	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8687	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
R8688	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R8689	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
R9403	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9404	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9405	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9406	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9407	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9408	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9409	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9410	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9411	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9412	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9413	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
R9414	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
R9415	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
R9416	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
R9417	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
R9418	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
R9419	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
R9420	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
R9421	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
R9422	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
R9423	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
CAPACITORS GROUP						
C8003	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1	
C8004	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8015	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8021	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	1	
C8022	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	1	
C8023	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C8025	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C8045	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8052	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C8056	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1	
C8057	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8068	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8074	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	1	
C8075	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	1	
C8076	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C8078	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C8098	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8105	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C8109	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1	
C8110	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8121	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8127	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	1	
C8128	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	1	
C8129	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C8131	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C8151	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8158	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1	
C8162	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1	
C8163	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8174	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG		CCUS1H221JAS	1	
C8180	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	1	

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C8181	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8182	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8184	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8204	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8211	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8215	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11	CCEA1HRA38P100T	1		
C8216	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8227	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8233	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8234	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8235	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8237	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8257	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8264	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8268	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11	CCEA1HRA38P100T	1		
C8269	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8280	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8286	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8287	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8288	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8290	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8310	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8317	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8321	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11	CCEA1HRA38P100T	1		
C8322	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8333	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8339	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8340	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8341	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8343	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8363	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8370	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8374	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11	CCEA1HRA38P100T	1		
C8375	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8386	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8392	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8393	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8394	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8396	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8416	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8423	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8427	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11	CCEA1HRA38P100T	1		
C8428	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8439	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8445	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8446	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8447	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8449	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8469	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8476	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8480	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11	CCEA1HRA38P100T	1		
C8481	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8492	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8498	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8499	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8500	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8502	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8522	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8529	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8533	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11	CCEA1HRA38P100T	1		
C8534	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8545	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8551	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8552	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8553	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8555	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8575	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8582	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8586	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11	CCEA1HRA38P100T	1		
C8587	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8598	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8604	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8605	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8606	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8608	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8628	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8635	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8639	00D2544573981	CAP, ELECT(50V/10uF),ELNA/RA3,5X11	CCEA1HRA38P100T	1		
C8640	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8651	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8657	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8658	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3	CCEA1HRA3221T	1		
C8659	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8661	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C8681	nsp	CAP, CHIP(1608, 50V/220pF, COG) SAMSUNG	CCUS1H221JAS	1		
C8688	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3	CCEA1HRA3470T	1		
C9400	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C9401	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C9402	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG	CCUS1H104KCS	1		
C9403	nsp	CAP, MYLAR(50V/0.01uF/J)	HCQ1H103J2T	1		
C9404	nsp	CAP, MYLAR(50V/0.01uF/J)	HCQ1H103J2T	1		
C9405	nsp	CAP, MYLAR(50V/0.01uF/J)	HCQ1H103J2T	1		
C9406	943134503300S	CAP, ELECT(4700uF/25V, LKG, 30X40, NICHICON)	CCEA1ELKG472N	1		
C9407	943134503300S	CAP, ELECT(4700uF/25V, LKG, 30X40, NICHICON)	CCEA1ELKG472N	1		
C9414	nsp	CAP, CHIP(1608, 50V/680pF, COG) SAMSUNG	CCUS1H681JAS	1		
C9415	943134502050D	CAP, ELECT(50V/100uF/50V,ELNA/RFSA(SILMIC II)	CCEA1HRFSA101E	1		
C9418	nsp	CAP, CHIP(1608, 50V/680pF, COG) SAMSUNG	CCUS1H681JAS	1		
C9419	943134502050D	CAP, ELECT(50V/100uF/50V,ELNA/RFSA(SILMIC II)	CCEA1HRFSA101E	1		
C9422	nsp	CAP, CHIP(1608, 50V/680pF, COG) SAMSUNG	CCUS1H681JAS	1		
C9423	nsp	CAP, CHIP(1608, 50V/680pF, COG) SAMSUNG	CCUS1H681JAS	1		
C9424	943134502050D	CAP, ELECT(50V/100uF/50V,ELNA/RFSA(SILMIC II)	CCEA1HRFSA101E	1		
C9425	943134502050D	CAP, ELECT(50V/100uF/50V,ELNA/RFSA(SILMIC II)	CCEA1HRFSA101E	1		
OTHER PARTS GROUP						
BK810	nsp	BRACKET, PCB	CMD1A569-V1	1		
CN481	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN	CJP13GI288ZY	1		
CN482	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/11PIN	CJP11GI288ZY	1		
CN483	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN	CJP13GI288ZY	1		
CN484	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/15PIN	CJP15GI288ZY	1		
CN920	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/9PIN	CJP09GI288ZY	1		
CN921	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/15PIN	CJP15GI288ZY	1		
CN922	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN	CJP13GI288ZY	1		
CN923	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/7PIN	CJP07GI288ZY	1		
CN940	nsp	WAFER,YW396-03AB(7.92mm)	CJP03GA89ZY	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
!	F9400	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	1		
	F9400	nsp	HOLDER , FUSE		KJFC5S	2		
!	F9401	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	1		
	F9401	nsp	HOLDER , FUSE		KJFC5S	2		
	GND94	nsp	PLATE , EARTH(TRONIC ELECTRONICS)		CJT1A026	1		
	GND94	nsp	WASHER , GROUND		CNW1A035	1		
	RY940	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
	RY941	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
	RY942	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	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						
C37	9U6391027400S	DIGITAL PCB See PROCEDURE AFTER REPLACING THE PCB.	VOP12847K		*	
C10	943639102630S	HDAM/POWER PCB ASSY	VOP12636B		*	
C25	nsp	XLR PCB	VOP12629M-1			
C25-C21	-	FUSE PCB	VOP12629M-2			
C12	nsp	SMPS PCB	VOP12848K			
C35	nsp	VIDEO PCB	VOP12850K-1			
C35-C38	-	GUIDE FFC2 PCB	VOP12850K-2			
C22	nsp	FRONT CNT PCB	VOP12855K			
C30	nsp	INPUT PCB	VOP12861K-1			
C30-C7	-	F HDMI PCB	VOP12861K-2			
C30-C9	-	FRONT CABLE PCB	VOP12861K-3			
C2	nsp	FRONT PCB	VOP12865K-1	1		
C2-C3	-	HP PCB	VOP12865K-2	1		
C2-C1	-	FRONT SW PCB	VOP12865K-3	1		
C2-C5	-	FHDMI FFC TOP PCB	VOP12865K-4	1		
C23	nsp	SIDE CNT PCB	VOP12868K-1			
C23-C11	-	GUIDE FFC1	VOP12868K-2			
C39	9R1891003600S	NETWORK MODULE(AIOS4.0V)				
A	11601005500AS	REMOVABLE ANTENNA + CABLE(L=300)	11601005500AS	2	*	
A-C40	-	CABLE(L=300)	-	2	*	
A-M26	-	WASHER - WIFI	-	2		
A-M27	-	NUT - WIFI	-	2		
A-PACKING 10-3	-	ROD ANTENNA	-	2	*	
OTHER PARTS GROUP						
C4 BN321	-	WIRE ASS'Y, (5P, 2.0mm, 400mm, UL2725#24/#28)USB	CWB8A005400HC	1		
C6	943606503030S	CARD CABLE(1mm/40P/230mm/B/SIELD/40P SHORT)	CWC4F2A0A230B08SM01	1		
C8	943606503040S	CARD CABLE(1mm/23P/320mm/B/SIELD)	CWC4F2A23A320B08SM01	1		
C13 C9021	-	CAP, ELECT(6.3V/5600uF/105°C),12.5X35"	CCEA0JKZH562EKS	1		
C14 C9022	-	CAP, ELECT(6.3V/5600uF/105°C),12.5X35"	CCEA0JKZH562EKS	1		
C15 BN901	-	WIRE ASS'Y, (6P, 2.5mm, 50mm, UL1569#22, 105)	CWB7D006050AGD	1		
C16 C9020	-	CAP, ELECT(6.3V/5600uF/105°C),12.5X35"	CCEA0JKZH562EKS	1		
C17 C9004	-	CAP, ELECT(200V/220uF),105°C	CCET200NHA221ES	1		
C17 C9004	-	CAP, ELECT(400V/100UF, 18X40, NHA)	CCET400NHA101ES	1		
C18 T9001	-	TRANS, SWITCHING	VL792119ZE	1		
! C19 LF901	-	LINE FILTER(1.2A,29mH)	CLZ9Z176Z	1		
! C19 LF901	-	LINE FILTER(0.7A,65mH)	CLZ9Z177Z	1		
! C20	943101102930S	TRANS, POWER(TROIDAL)	VL75Z033XU	1	*	
! C20	943101102940S	TRANS, POWER(TROIDAL)	VL75Z033XE	1	*	
C24	943606503050S	CARD CABLE(1.25MM/13P/60MM/B TYPE)	CWC4F2A13B060B08SM	1	*	
C26 BN923	-	WIRE ASS'Y (7P,2.0MM,200MM,UL1007#26)	CWB1B007200HC	1		
C27 BN922	-	WIRE ASS'Y (13P,2.0MM,200MM,UL1007#26)	CWB1B013200HC	1		
C28 BN921	-	WIRE ASS'Y (15P,2.0MM,200MM,UL1007#26)	CWB1B015200HC	1		
C29 BN920	-	WIRE ASS'Y LOCKING (9P,2.0MM,200MM,UL1007#26)	CWB1B009200HC	1		
C31 BN481	-	WIRE ASS'Y, (13P, 2.0mm, 280mm, UL1007#26, 80)	CWB1B013280HC	1		
C32 BN482	-	WIRE ASS'Y, (11P, 2.0mm, 280mm, UL1007#26, 80)	CWB1B011280HC	1		
C33 BN484	-	WIREASS'Y(15P,1PWhite,2.0mmPITCH,700mm,UL1007#26)	CWB1BZ15700HC	1		
C34 BN483	-	WIREASS'Y(13P,1PWhite,2.0mmPITCH,700mm,UL1007#26)	CWB1BZ13700HC	1		
C36	18301010100AS	HD RADIO MODULE(KSM-H8103XNS-000)	CNVKSM-H8103XNS-000	1	*	
C41	nsp	TERMINAL, GROUND	CMA1A006	1		
M1	421410006004M	BADGE, MARANTZ	CGB1A206	1		
M2	943402106340S	PANEL, AL FRONT	CKM1A249ZPC23	1	*	
M2	943402106350S	PANEL, AL FRONT	CKM1A249ZOC23	1	*	
M3	412410005014M	VOLUME KNOB ASS'Y	CGK1A133YA	2		
M4	943424100350M	RING	CGK1A163C23	1		
M5	943415100460S	DOOR, AL FRONT	CKM3A195C23	1		
M6	00M10BW112010	BASE,SHAFT	CDF1A018	2		
M7	nsp	BRACKET, BASE	VMD1A542	1		
M8	00M10BW305010	MAGNET, BASE	CJC1A008	1		
M9	nsp	BRACKET, BODY	CMD2A668	1		
M10	nsp	EARTH, USB	VMC1A435	1		
M11	nsp	EARTH, AUX	VMC1A434	1		
M12	nsp	EARTH, FRONT	VMC1A437	1		
M13	nsp	EARTH, EMC	VMC1A456	1		
M14	nsp	PLATE, SHIELD FRONT	CMC1A497	1		
M15	943403101440S	CABINET, TOP	VKC4A170K117	1		
M16	nsp	HEATSINK	VMY1A387	1	*	
M17	nsp	BRACKET, AMP	VMD1A796	6		
M18	nsp	CHASSIS, BOTTOM	CUA3A338	1		
M19	nsp	BRACKET, SMPS	VMD1A838	1	*	
M20	nsp	HEATSINK, TR	VMY7A025	1		
M21	nsp	SHEILD, TRANS COVER	VMC1A445	1		
M22	nsp	TR HEAT SINK	VMY3A238	1		
M23	nsp	BRACKET, PCB (HDMI)	VMD1A791	1		
M24	nsp	PANEL, REAR	VKF3A511Z	1	*	
M24	nsp	PANEL, REAR	VKF4A511Z	1	*	
M25	nsp	WASHER, GROUND	CNW1A035	3		
M28	nsp	NUT - ENCORDER	-	2		
M29	nsp	WASHER - ENCORDER	-	2		
P1	943422101130S	ORNAMENT, INNER DOOR	CGR1A457T	1		
P2	454510002018M	HOLDER, DOOR AV8003	CKG1A053B37	1		
P3	943422100480M	SHEET, JACK	CGX1A475Z	1		
P4	943443101140S	WINDOW, VFD	CGU1A466Q	1	*	
P5	481510019100M	LENS, IR	CGU1A460	1		
P6	481510018107M	LENS	CGL1A290	1		
P7	nsp	SHEET, DIFFUSION	CGX1A455Z	1		
P8	416510046009M	WINDOW	CGU1A455	1		
P9	416510047101M	SHEET, VFD	CGX1A449Y	1		
P10	424510002017M	ORNAMENT, VOLUME	CGR1A449B37	2		
P11	00M446T056010	CUSHION,DOOR	CHG1A296Y	2		
P12	943402105910S	PANEL, SIDE L	CGW2A453RNVB37	1		
P13	443510045107M	PANEL, SUB	CGW1A526B37	1		
P14	943402105930S	PANEL, SIDE R	CGW3A454RNB37	1		
P15	00M10BW355010	INDICATOR,POWER	CGL1A231	1		
P16	411510015017M	KNOB, TACT POWER AV8003/U	CBT1A1072	1		
P17	943474001390S	GEAR, DEMPER AV8003	CDG1A027Z	1		
P18	411510120001M	4KEY BUTTON ASS'Y	CBT1A1170ZA	1		
P19	943412101120M	BUTTON, 11KEY	CBT1A1169B37	1		
P20	943411101980M	BUTTON, CURSOR	CBT1A1171Z	1		
P21	nsp	CUSHION SUPPORT	VHG1A305	2		
P22	943407100640S	FOOT	CKL1A235H46	4		
P23	943403101460S	FELT PAD	CHG1A675	4		
P24	nsp	RUBBER	VHG1A113	5		
P25	nsp	SUPPORT, PCB	VMH1A328	2	*	
P26	nsp	CUSHION SUPPORT	VHG1A305	4		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	P27	nsp	SNAP RIVET		CRE1A136	1		
	P28	nsp	SPACER , PCB		CRE1A107	2		
	P29	nsp	SUPPORT, PCB		CRE1A102	1		
	P30	nsp	SUPPORT , RUBBER		CHG1A535	1		
	P31	nsp	SHEET , SCREW		VGX1A439	1		
	P32	nsp	WASHER , POLYSLIDER 3MM		CNW1A076	1		
	P33 PACKING-20	-	LABEL , SPOTIFY(BK)		CQB1A1458Z	1		
	P34 PACKING-22	-	LABEL , HEOS PANEL	U	CQB1A1513Z	1		
	P35 PACKING-23	-	LABEL , POP	U	CQB1A1511Y	1		
	P35 PACKING-23	-	LABEL , POP	N	CQB1A1512Z	1		
	P36 PACKING-24	-	LABEL , LICENSE	U	CQB1A1522Z	1		
	P36 PACKING-24	-	LABEL , LICENSE	N	CQB1A1520Z	1		
SCREW GROUP								
	S1	nsp	SCREW		VTB3+8JFZR	9		
	S2	nsp	SCREW		VTW3+8JR	16		
	S3	nsp	SCREW		VTB3+10JR	35		
	S4	nsp	SCREW		VTB3+8JR	36		
	S5	nsp	SCREW		VTWS3+10GR	1		
	S6	nsp	SCREW		CTB26+8JFZR	3		
	S7	nsp	SCREW		VTB3+6JR	1		
	S8	nsp	SCREW		VTB3+6FR	9		
	S9	nsp	SCREW , DOT		CTBD3+8JFB	50		
	S10	nsp	SCREW , DOT		CTBD3+6FFB	17		
	S11	nsp	SCREW , TRANS		VHDR1A023R	4		
	S12	nsp	SCREW		VTW3+12JR	2		
	S13	nsp	SCREW		VTW3+16JR	2	*	
	S14	nsp	SCREW		VTW3+8JFZR	7		
	S15	nsp	SCREW		VTBD3+8JFZR	1		

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
1	-	SET ,AV RECEIVER			1		
2	nsp	POLY SHEET		VPB1A212	1		
3	-	TAPE , P.P(24MM*50MM)		C4F3247YE	0.5		
4	943533103690S	PAD , SNOW BOTTOM		VPS1A1080	1		
5	943533103680S	PAD , SNOW TOP		VPS1A1079	1		
6	943531106020S	BOX , OUT CARTON	U	VPB1A1106Z	1	*	
6	943531106030S	BOX , OUT CARTON	N	VPB1A1106Y	1	*	
7	nsp	TAPE , OPP(50)		V4FC500CL	2.7		
8	-	INSTRUCTION MANUAL ASS'Y		-	1	*	
@8-1	nsp	BAG , ZIPPER POLY(A5)		VPB1A227Z	1		
@8-1-1	nsp	LABEL , BAR CODE(MANUAL)		VQB1A971	1		
@8-2	nsp	SHEET , SPOTIFY INSERTION		VQE1A880Z	1		
@8-3	54111138800AM	MANUAL , GUIDE	U	VQX1A1995Z	1	*	
@8-3	54111139700AM	MANUAL , GUIDE	N	VQX1A1996Z	1	*	
9	-	ACCESSORY ASS'Y		-	1	*	
@9-1	nsp	BAG,POLY		VPB1A216Z	1		
@9-1-1	nsp	LABEL , BAR CODE(MANUAL)		VQB1A971	1		
@9-2	963116100070S	ANT , AM LOOP(9.5uH/5T)		CSA1A039Y	1		
@9-3	nsp	LABEL , AM ANTENNA		VQB1A1240Z	1		
@9-4	943116100170D	FM 1 POLE ANT (UL TYPE)		CSA1A044Z	1		
@9-4-1	nsp	LABEL , FM ANTENNA		VQB1A1241Z	1		
@9-5	nsp	CARD , WARRANTY	U	VQE1A131V	1		
@9-6	nsp	WARRANTY CARD	U	VQE1A132T	1		
@9-7	943544104930S	CABLE LABEL		CQB1A1515Z	1	*	
@9-8	nsp	SAFETY INSTRUCTION	U	VQE1A827Z	1		
@9-8	nsp	SAFETY INSTRUCTION	N	VQE1A799Y	1		
@9-9	nsp	SHEET , USING BATTERIES	N	VQE1A867Z	1		
@9-10	nsp	NOTE ON RADIO		VQE1A885Z	1		
10	nsp	WIFI-FLY SHEET ASS'Y		VQE1A728WA	1		
10-1	nsp	POLY , BAG		VPB1A240Z	1		
10-2	nsp	SHEET , WIFI ANTENNA FLY		VQB1A971	1	*	
10-3 EXPLODED-	-	ROD ANTENNA		-	2	*	
11	42911002000AS	MIC STAND ASS'Y		CPG1A1021YA	1		
! 12	943611501140S	CORD , POWER (13A/125V,USA,INLET)	U	VJA2A070ZV01	1		
! 12	943611501150S	CORD , POWER (10A/250V,EUR,INLET)	N	VJA2B054ZV01	1		
13	nsp	BAG , POLY		VPB1A008Z	1		
@13-1	nsp	LABEL , SERIAL NO		VQB1A995	1		
14	30701023200AS	REMOCON ASS'Y, (RC032SR)		CARTAV7703	1	*	
@14-1	nsp	LABEL , BAR CODE(MANUAL)		VQB1A971	1		
15	nsp	BATTERY , AAA 2PCS IN PACK		CABR03PPB-GN	2		
16	32401000800AD	MIC , AUDYSSEY		CJXACM1HB	1		
17	nsp	LABEL , MIC		VQB1A1242Z	1		
18	nsp	LABEL , CONTROL		VQB2A993Z	1		
18-1	-	└ LABEL , SERIAL NO		-	1		
18-2	-	└ LABEL , FCC ID	U	-	1		
19	nsp	LABEL , DO NOT RETURN	U	CQB1A1519Z	1	*	
20	nsp	LABEL , SPOTIFY(BK)		CQB1A1458Z	1		
21	nsp	TAPE , FILAMENT		V4FE187	0.2		
22	nsp	LABEL , HEOS PANEL	U	CQB1A1513Z	1		
23	nsp	LABEL , POP	U	CQB1A1511Y	1	*	
23	nsp	LABEL , POP	N	CQB1A1512Z	1	*	
24	nsp	LABEL , LICENSE	U	CQB1A1522Z	1		
24	nsp	LABEL , LICENSE	N	CQB1A1520Z	1		