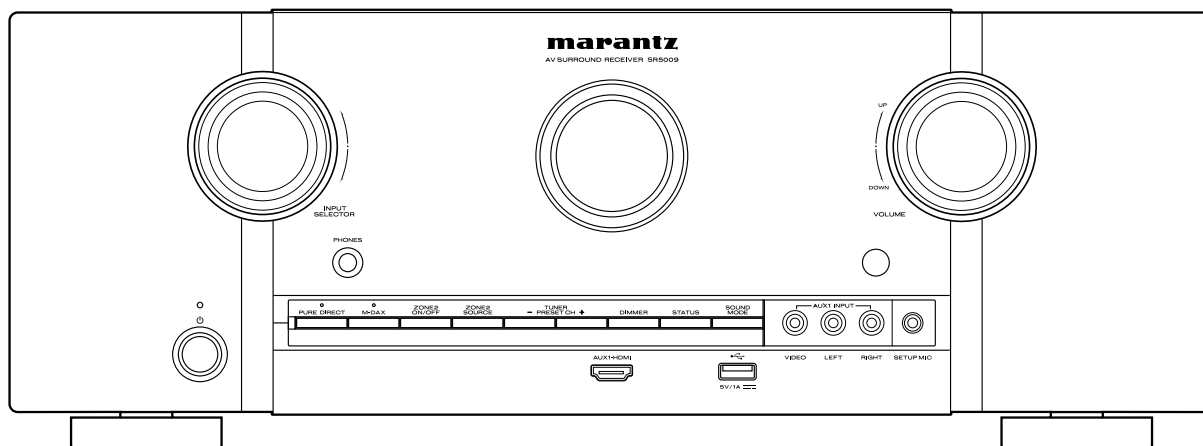


Service Manual

SR5009 /U1B/N1B/N1SG
/K1B

AV SURROUND RECEIVER



• 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.

marantz®

SR5009

Ver. 3

Please refer to the
MODIFICATION NOTICE.

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ABOUT THIS MANUAL

Read the following information before using the service manual.

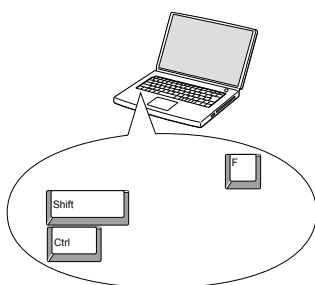
What you can do with this manual

Search for a Ref. No. (phrase) (Ctrl+Shift+F)

You can use the search function in Acrobat Reader to search for a Ref. No. in schematic diagrams, printed wiring circuit diagrams, block diagrams, and parts lists.

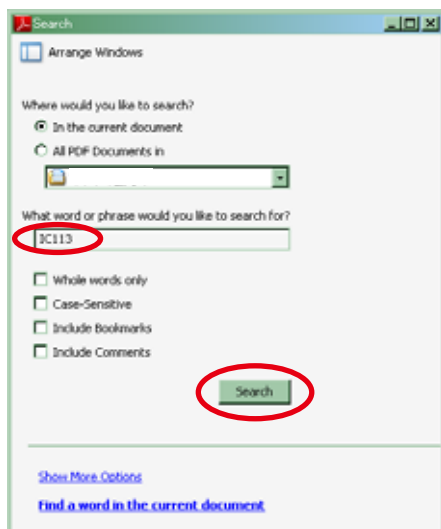
1. Press **Ctrl+Shift+F** on the keyboard.

- The Search window appears.



2. Enter the Ref. No. you want to search for in the Search window, and then click the **Search** button.

- A list of search results appears.



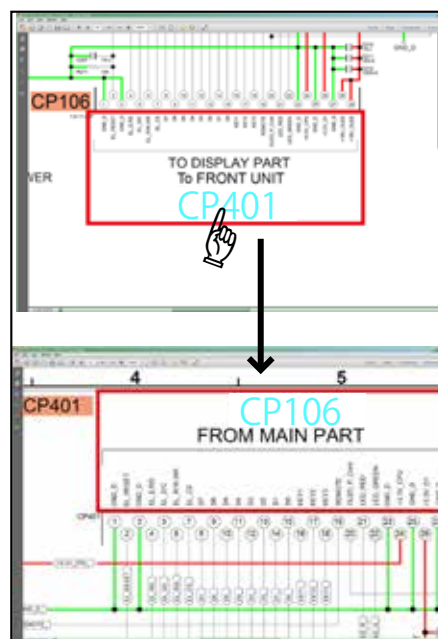
3. Click an item on the list.

- The screen jumps to the page for that item, and the search phrase is displayed.

Jump to the target of a schematic diagram connector

Click the Ref. No. of the target connector in the red box around a schematic diagram connector.

- The screen jumps to the target connector.



- Page magnification stays the same as before the jump.

Using Adobe Reader (Windows version)

Add notes to this data (Sign)

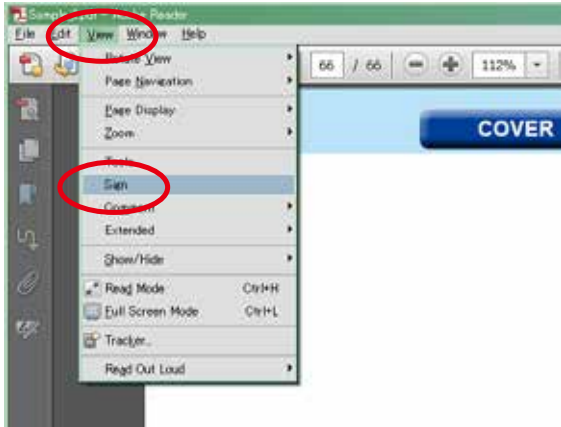
The Sign function lets you add notes to the data in this manual.

Save the file once you have finished adding notes.

[Example using Adobe Reader X]

On the "**View**" menu, click "**Sign**".

- The Sign pane appears.



[Example using Adobe Reader 9]

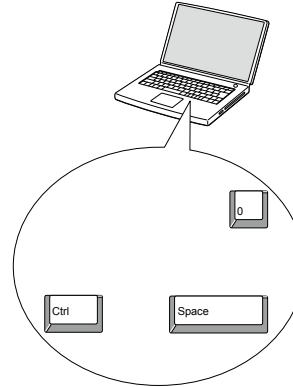
On the "**Document**" menu, click "**Sign**".

Magnify schematic / printed circuit board diagrams - 1

(Ctrl+Space, mouse operation)

Press **Ctrl+Space** on the keyboard and drag the mouse to select the area you want to view.

- The selected area is magnified.

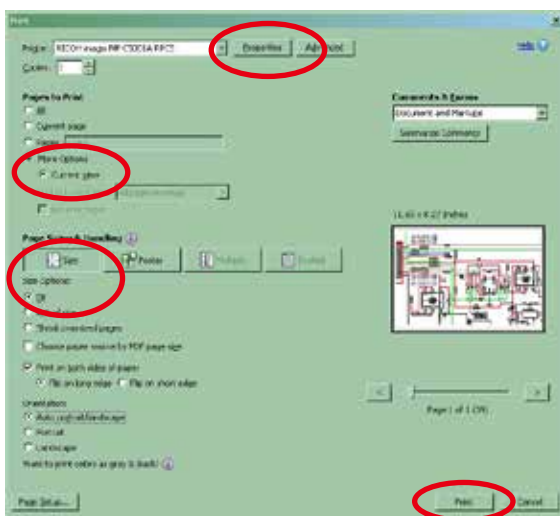


- When you want to move the area shown, hold down **Space** and drag the mouse.
- When you want to show a full page view, press **Ctrl+0** on the keyboard.

Print a magnified part of the manual

The Properties dialog box and functions will vary depending on your printer.

1. Drag the mouse to magnify the part you want to print.
2. On the "**File**" menu, click "**Print**".
3. Configure the following settings in the Print dialog box.



4. Click the **Print** button to start printing.

• Properties

Click this button and check that the printer is set to a suitable paper size.

• Page to print

Select the following checkbox.

"More Options" : "Current View"

• Page Sizing & Handling

Select the following checkbox.

"Size" / "Size Options" : "Fit"

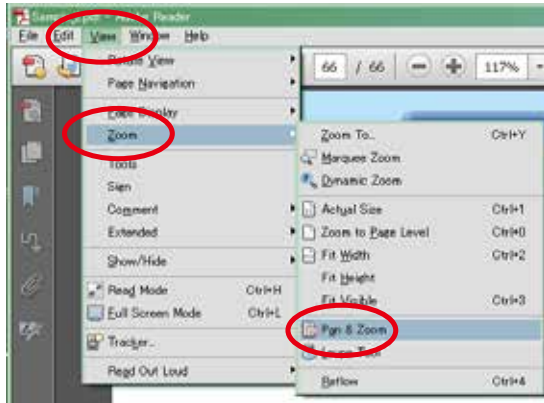
Magnify schematic / printed circuit board diagrams - 2

(Pan & Zoom function)

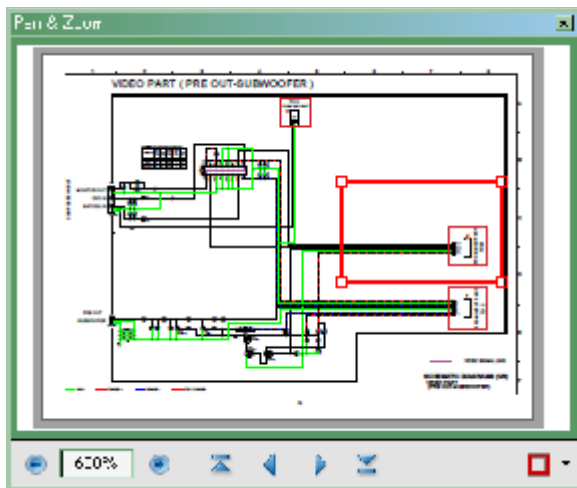
The Pan & Zoom function lets you see which part of a magnified diagram is being shown in a separate window.

[Example using Adobe Reader X]

On the "View" menu, point to "Zoom", and then click "Pan & Zoom".



- The Pan & Zoom window appears on the screen.



[Example using Adobe Reader 9]

On the "Tools" menu, point to "Select & Zoom", and then click "Pan & Zoom Window".

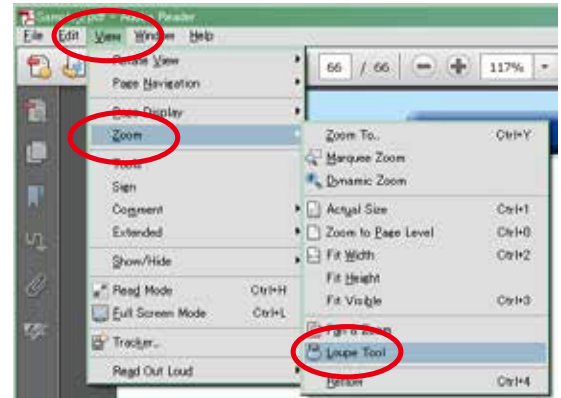
Magnify schematic / printed circuit board diagrams - 3

(Loupe Tool function)

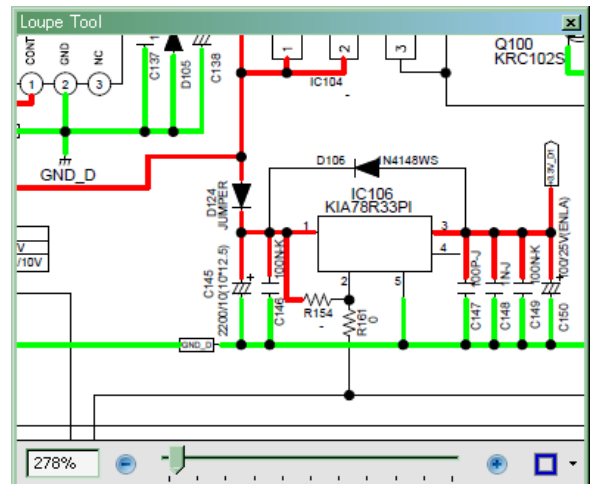
The Loupe Tool function lets you magnify a specific part of a diagram in a separate window.

[Example using Adobe Reader X]

On the "View" menu, point to "Zoom", and then click "Loupe Tool".



- The Loupe Tool window appears on the screen.



[Example using Adobe Reader 9]

On the "Tools" menu, point to "Select & Zoom", and then click "Loupe Tool Window".

SAFETY PRECAUTIONS

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

leakage current check

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

Be sure to test for leakage current with the AC plug in both polarities, in addition, when the set's power is in each state (on, off and standby mode), if applicable.

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

⊙ Heed the cautions!

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

⊙ Cautions concerning electric shock!

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

⊙ Caution concerning disassembly and assembly!

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

⊙ Use only designated parts!

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

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

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

⊙ Make a safety check after servicing!

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

(Insulation check procedure)

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

CAUTION Concerning important safety parts

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

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

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

NOTE FOR SCHEMATIC DIAGRAM

WARNING:

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

CAUTION:

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

WARNING:

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

NOTICE:

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

ALL CAPACITANCE VALUES ARE EXPRESSED IN MICRO FARAD, UNLESS OTHERWISE INDICATED. P INDICATES MICRO-MICRO FARAD. 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 "I" (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 SEMI-CONDUCTORS AND OPTICAL UNIT

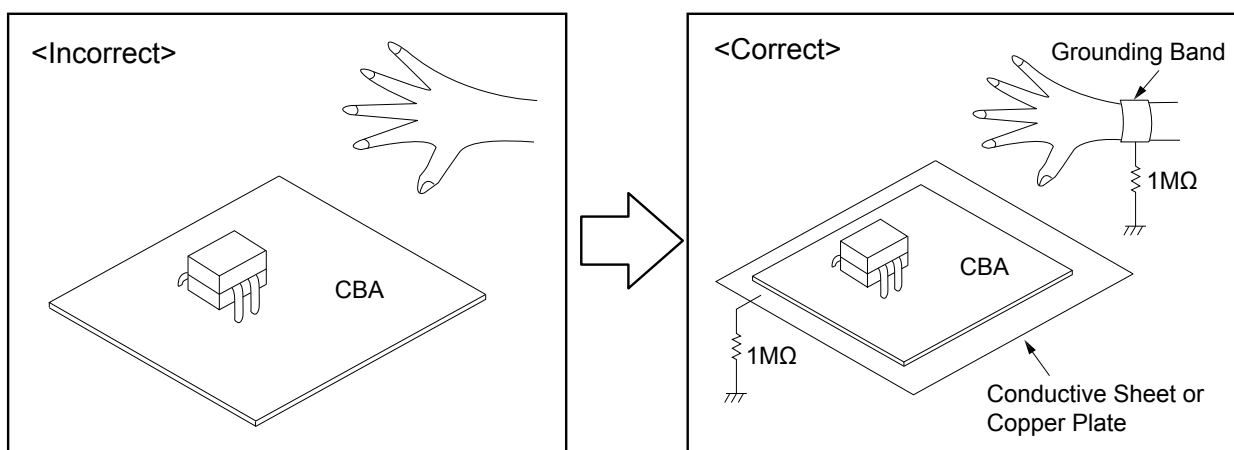
Electrostatic breakdown of the semi-conductors or optical pickup may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

1. Ground for Human Body

Be sure to wear a grounding band (1 M Ω) 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 Ω) 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



This image shows a full page of blank white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, providing a guide for writing. There are no margins, text, or other markings on the paper.

TECHNICAL SPECIFICATIONS

Audio section

Power amplifier

Rated output :

Front :

100W+100W(8Ω, 20Hz - 20kHz with 0.08% T.H.D.)
140W+140W(6Ω, 1kHz with 0.7% T.H.D.)

Center :

100W(8Ω, 20Hz - 20kHz with 0.08% T.H.D.)
140W(6Ω, 1 kHz with 0.7 % T.H.D.)

Surround :

100W+100W(8Ω, 20 Hz - 20 kHz with 0.08% T.H.D.)
140W+140W(6Ω, 1 kHz with 0.7 % T.H.D.)

Surround back:

100W+100W(8Ω, 20 Hz - 20 kHz with 0.08% T.H.D.)
140W+140W(6Ω, 1 kHz with 0.7 % T.H.D.)

Output connectors : 4 - 16Ω

Analog section

Input sensitivity/Input impedance : 200 mV/47 kΩ

Frequency response : 10 Hz - 100 kHz — +1, -3 dB(Direct mode)

S/N : 100 dB(IHF-A weighted, Direct mode)

Video section

Standard video connectors

Input/output level and impedance : 1 Vp-p, 75 Ω

Frequency response : 5 Hz - 10 MHz — 0, -3 dB

Color component video connector

Input sensitivity/Input impedance : Y signal — 1 Vp-p, 75 Ω
PB / CB signal — 0.7 Vp-p, 75 Ω
PR / CR signal — 0.7 Vp-p, 75 Ω

Frequency response : 5 Hz - 60 MHz — 0, -3 dB

Tuner section

FM

Reception frequency range : FM 87.5 MHz - 107.9 MHz(for U)
FM 87.5 MHz - 108.0 MHz(for N, K)
AM 520 kHz - 1710 kHz(for U)
AM 522 kHz - 1611 kHz(for N, K)

Effective sensitivity : FM 1.2μV(12.8dBf)
AM 18 μV

50 dB sensitivity : MONO — 2.8 μV (20.2 dBf)

S/N: MONO — 70 dB (IHF-A weighted, Direct mode)
STEREO — 67 dB (IHF-A weighted, Direct mode)

Distortion : MONO — 0.7 % (1 kHz)
STEREO — 1.0 % (1 kHz)

Wireless LAN section

Network type

(wireless LAN standard): Conforming to Wi-Fi®*1

Security : WEP 64 bit, WEP 128 bit
WPA/WPA2-PSK (AES)
WPA/WPA2-PSK (TKIP)

Radio frequency : 2.4 GHz

No. of channels : 1 - 11 ch (for U)
1 - 13 ch (for N, K)

*1 The Wi-Fi® CERTIFIED Logo and the Wi-Fi CERTIFIED On-Product Logo are registered trademarks of the Wi-Fi Alliance.

Bluetooth section

Communications system : Bluetooth Version 2.1 + EDR
(Enhanced Data Rate)

Transmission power : Maximum 2.5 mW (Class 2)

Maximum communication range : Approx. 32.8 ft/10 m 2 in line of sight

Frequency band : 2.4 GHz band

Modulation scheme : FHSS (Frequency-Hopping Spread Spectrum)

Supported profiles : A2DP 1.2 (Advanced Audio Distribution Profile)
AVRCP 1.4 (Audio Video Remote Control Profile)

Corresponding codec : SBC, AAC

Transmission range (A2DP) : 20 Hz - 20,000 Hz

General

Power supply : (for U) : AC 120 V, 60 Hz
(for N) : AC 230 V, 50 Hz / 60Hz
(for K) : AC 220 V, 50 Hz

Power consumption : 650W

Power consumption in standby mode : 0.2W

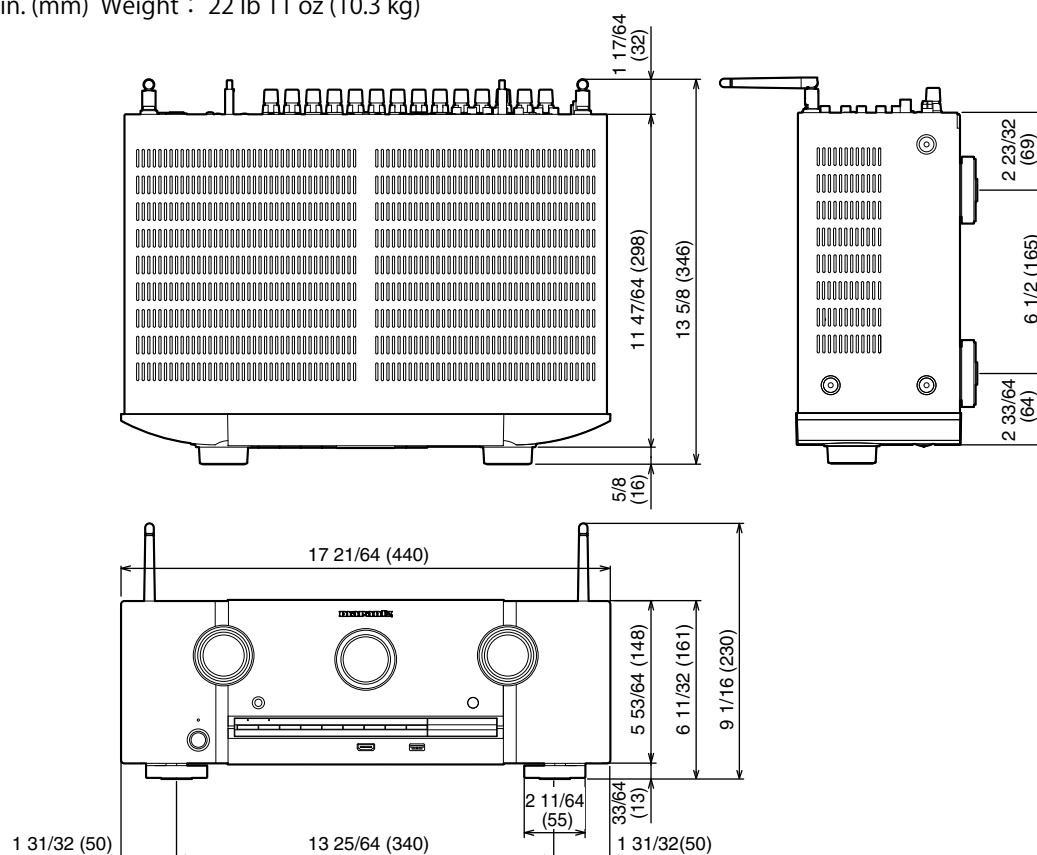
Power consumption in CEC standby mode : 0.5W

Power consumption in network standby mode : 2.7W

For purposes of improvement, specifications and design are subject to change without notice.

DIMENSION

Unit : Unit : in. (mm) Weight : 22 lb 11 oz (10.3 kg)



PRECAUTIONS DURING SERVICE

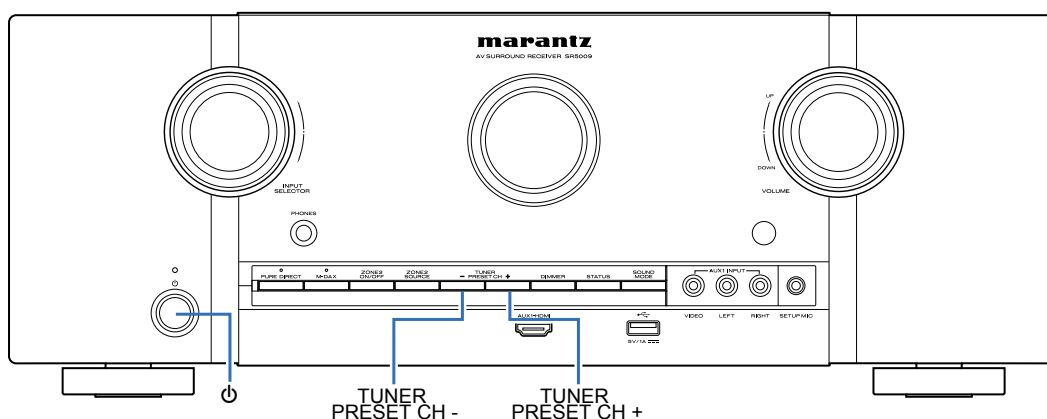
Initializing This Unit

Initialize this unit if you have replaced the microcomputer, one of the parts around the microcomputer, or the digital PCB.

1. Press the power button to turn off the power.
2. Hold down buttons "TUNER PRESET CH -" and "TUNER PRESET CH +" at the same time and press the power button to turn on the power.
3. Release the buttons after confirming that the display flashes in intervals of approximately 1 second.
 - * The unit is initialized.

NOTE :

- If the status in step 3 does not occur, start again from step 1.
- Initializing the device restores settings configured by the user to the factory settings. Take note of your settings beforehand and reconfigure them after initialization.



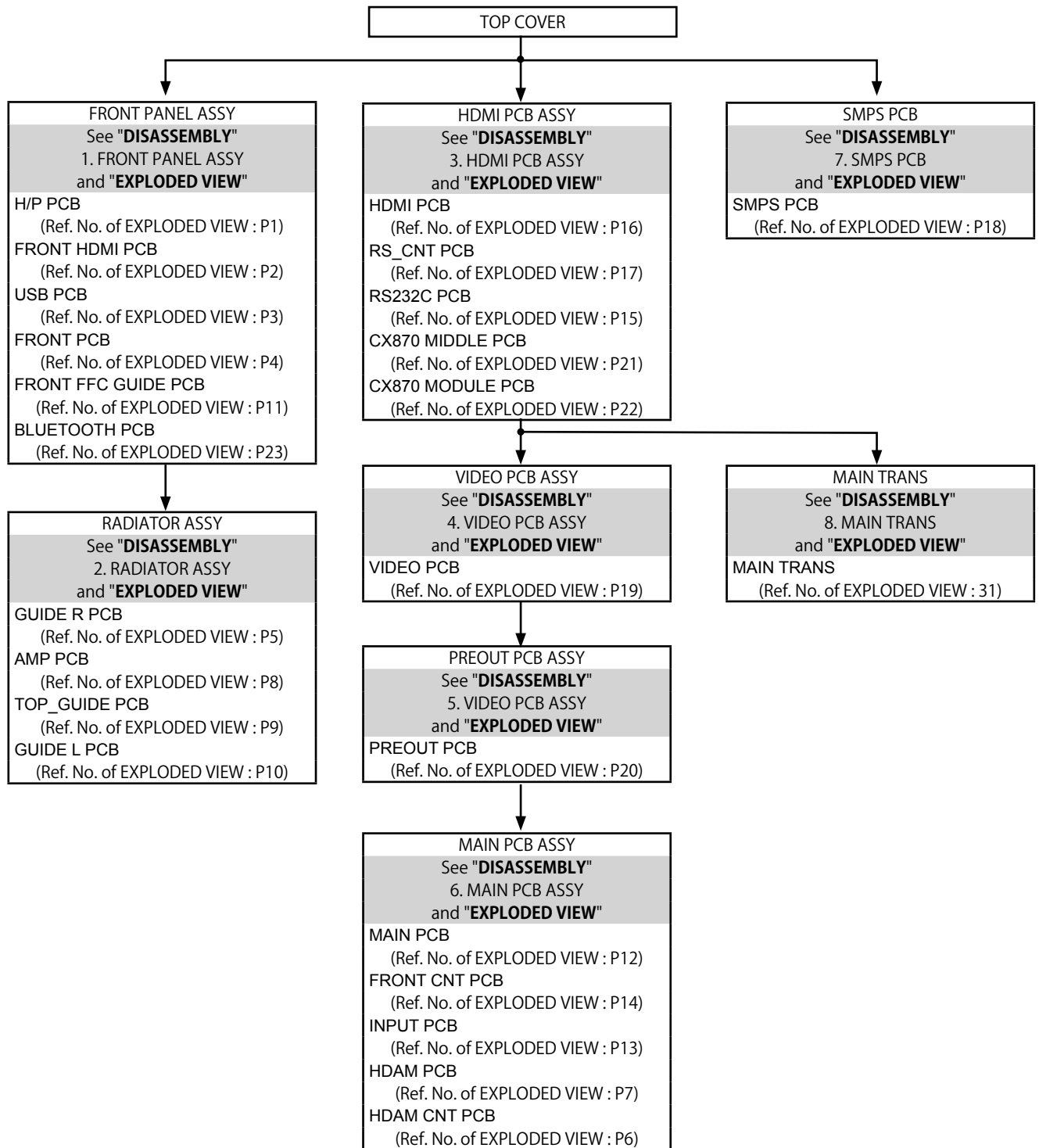
Service Jigs

The following jigs (extension cable kit) are used when repairing the PCBs.
Order the jigs from your dealer if necessary.

8U- 110084S : EXTENSION UNIT KIT : 1 Set
(See [53 page](#))

DISASSEMBLY

- Remove each part in the order of the arrows below.
- Reassemble removed parts in the reverse order.
- Read "**Precautions During Work**" before reassembling 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.

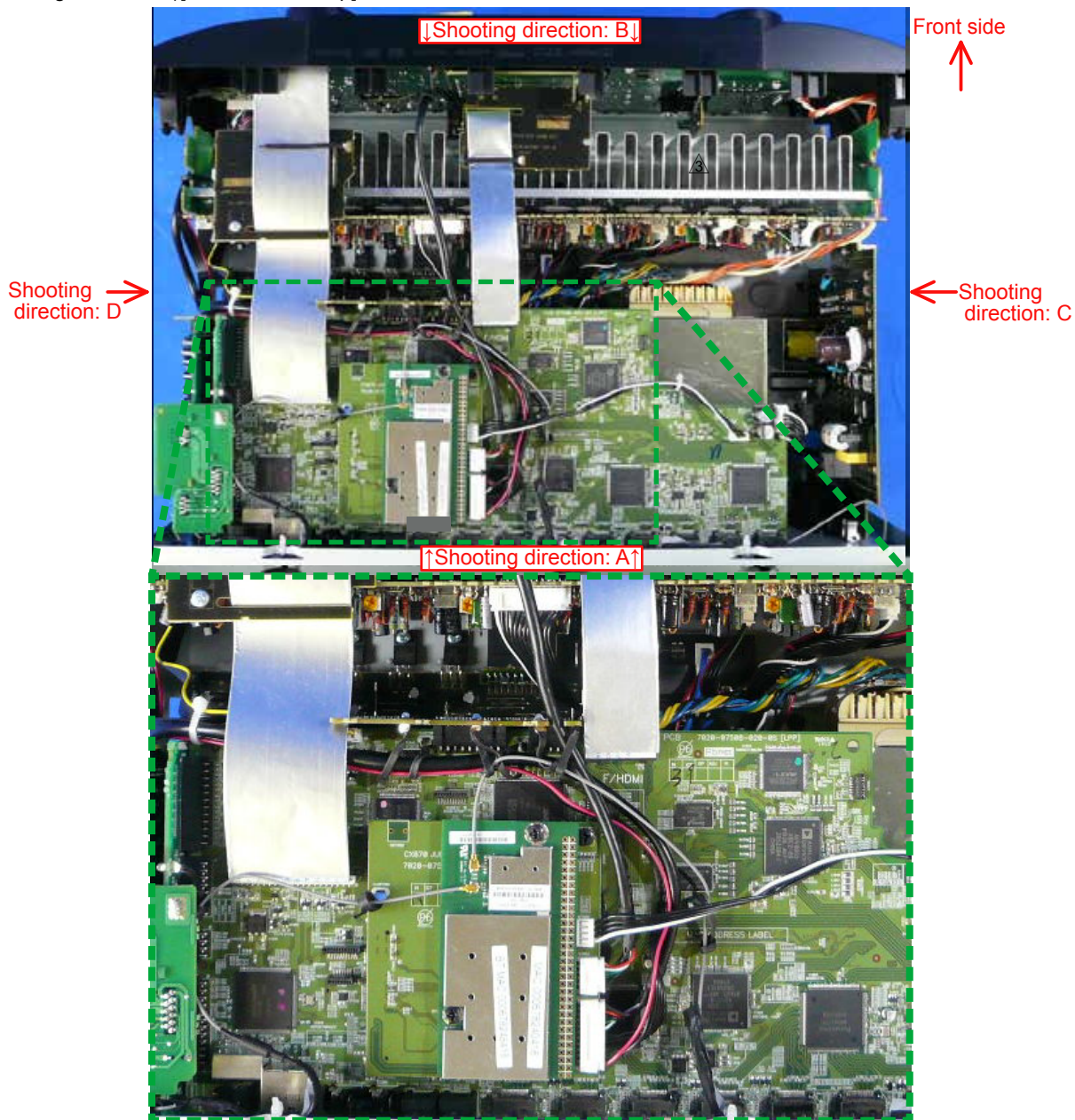


Explanatory Photos for DISASSEMBLY

- The angles from which the photos are taken are shown by "Photo angle: A, B, C, D".
- See the diagram below about the shooting direction of each photograph.
- Photographs with no shooting direction indicated were taken from the top of the unit.
- The photograph is SR5009K model.

The viewpoint of each photograph

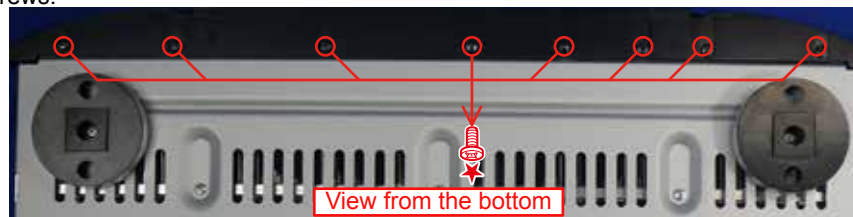
(Shooting direction:X)[View from the top]



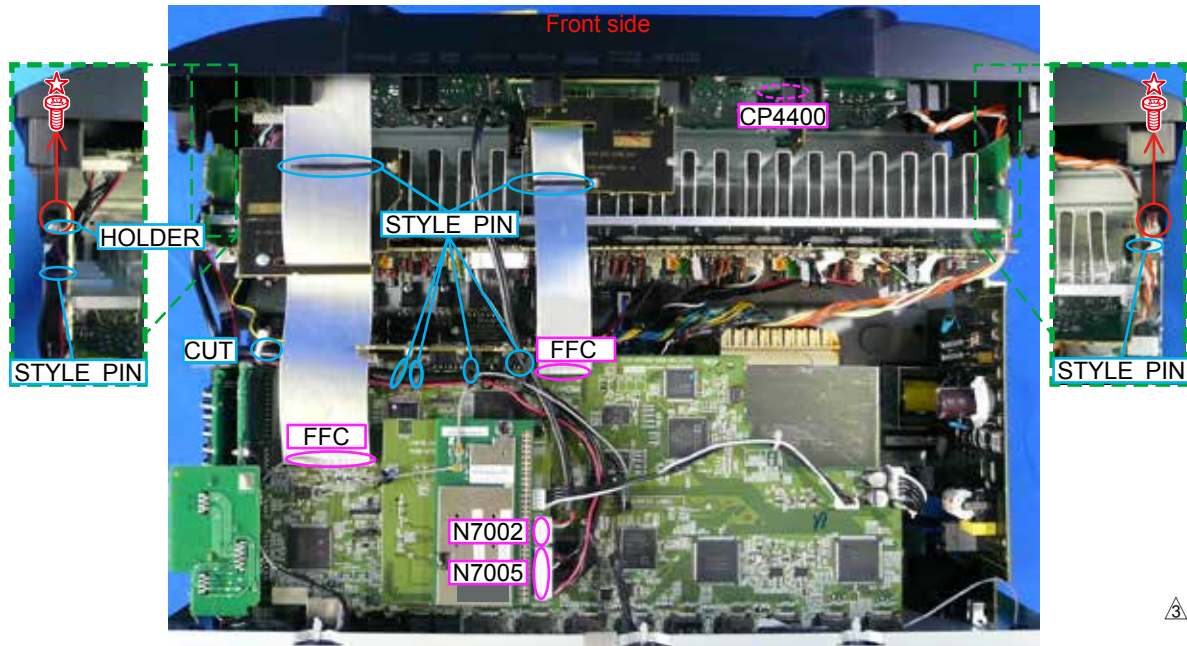
1. FRONT PANEL ASSY

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

(1) Remove the screws.



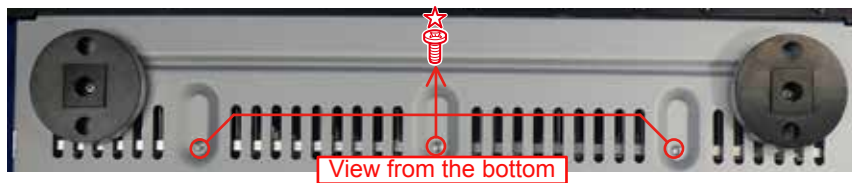
(2) Cut the wire clamp, then remove the connector wires and FFC. Remove the STYLE PIN. Remove the HOLDER and screws.



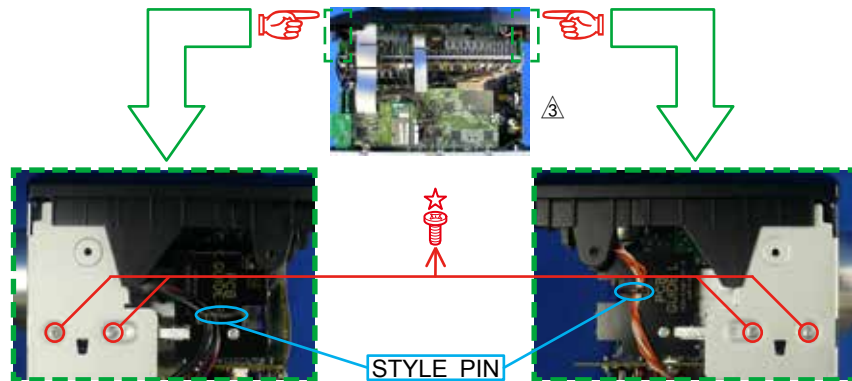
2. RADIATOR ASSY

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

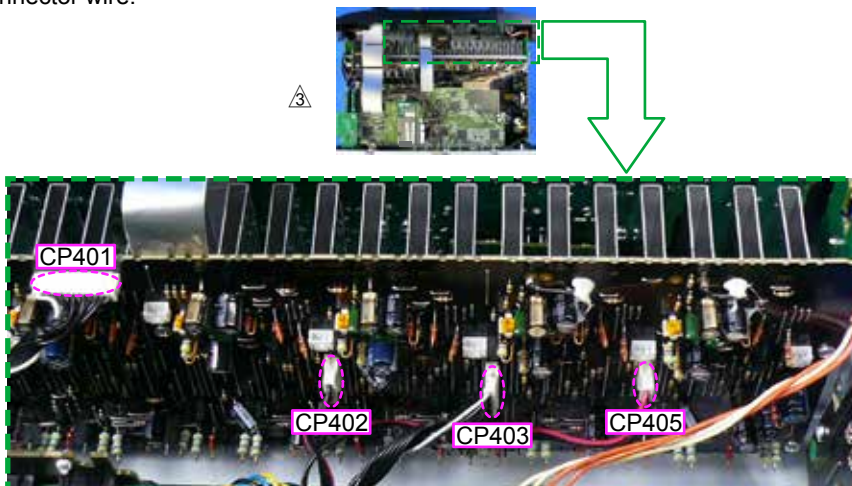
(1) Remove the screws.



(2) Remove the STYLE PIN. Remove the screws.



(3) Remove the connector wire.



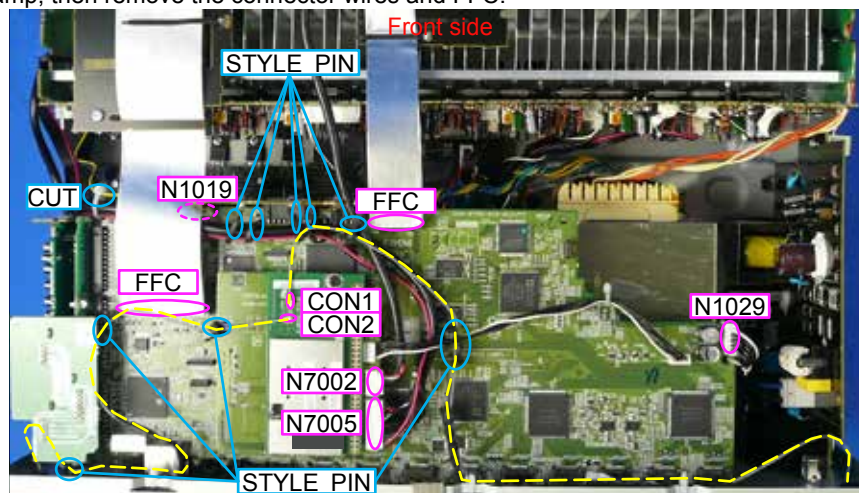
3. HDMI PCB

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

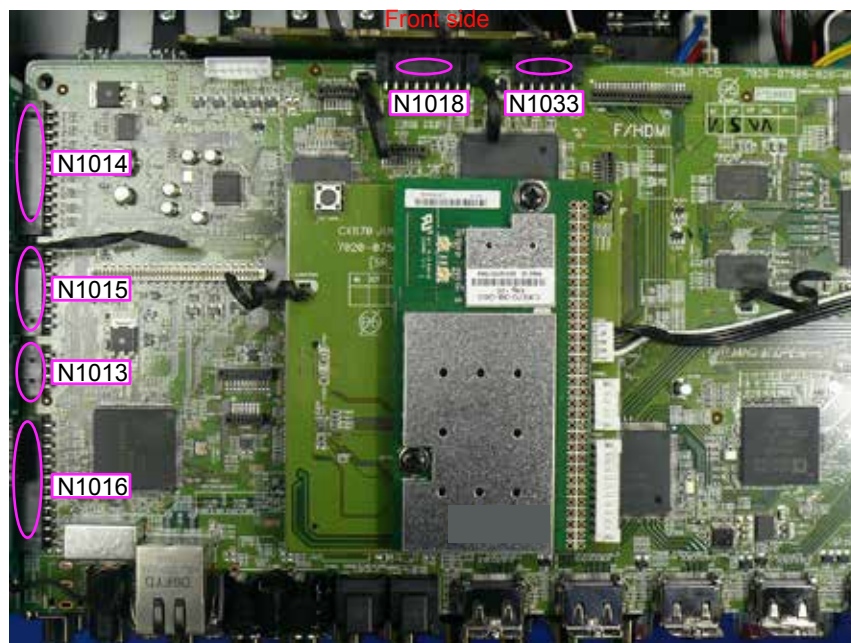
(1) Remove the screws.



(2) Cut the wire clamp, then remove the connector wires and FFC.



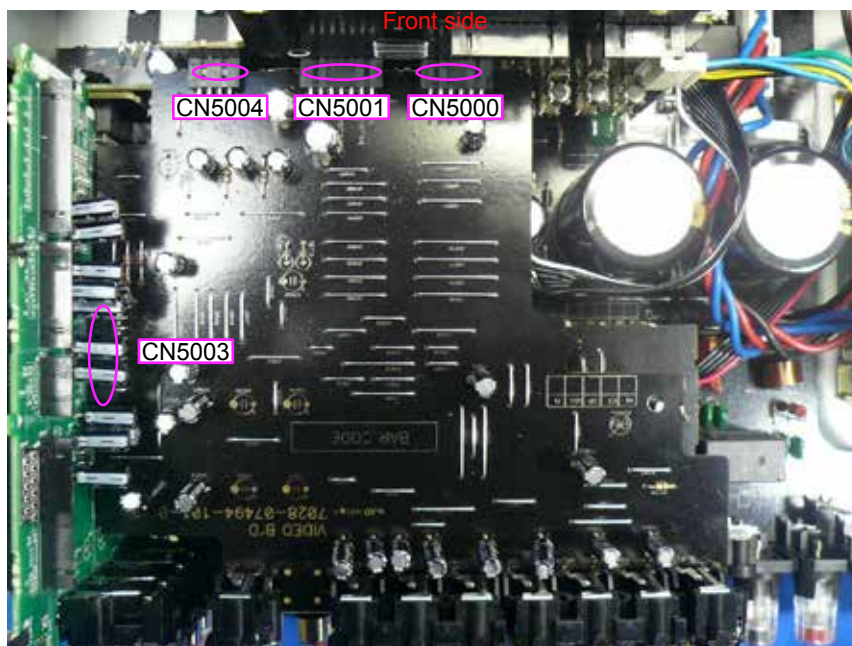
(3) Remove the connector wire.



4. VIDEO PCB

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

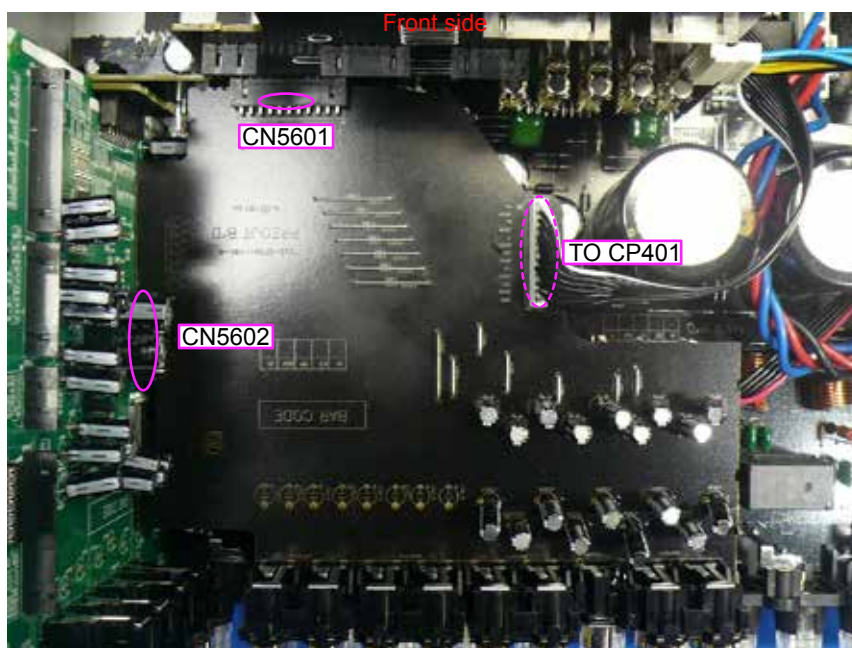
(1) Remove the connector wire.



5. PREOUT PCB

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

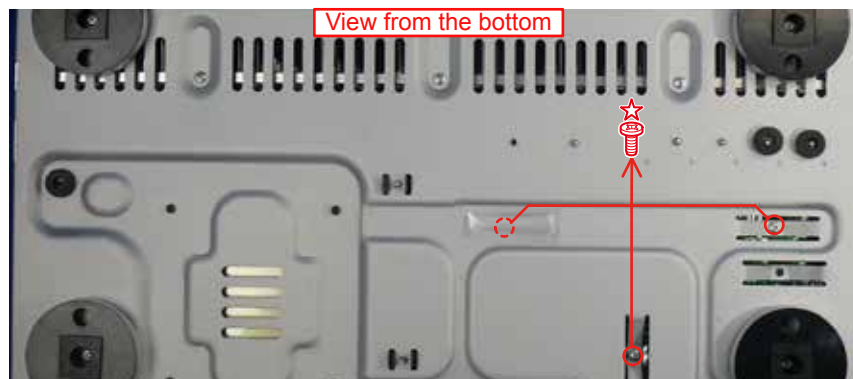
(1) Remove the connector wire.



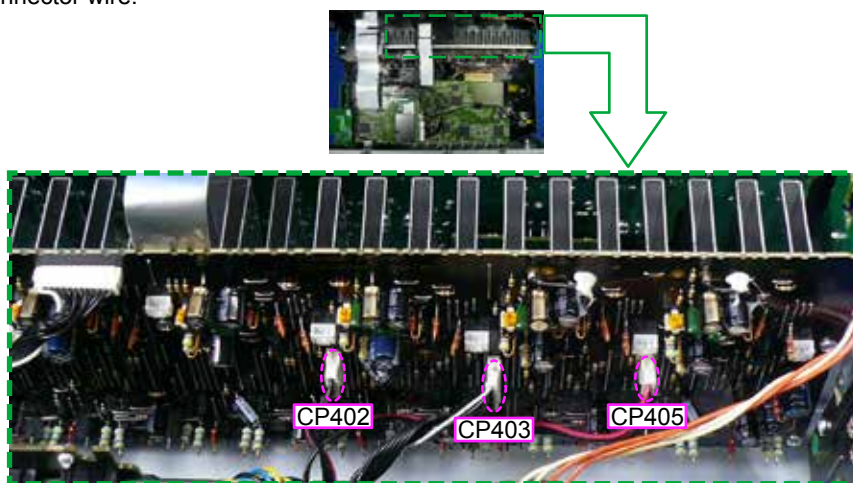
6. MAIN PCB

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

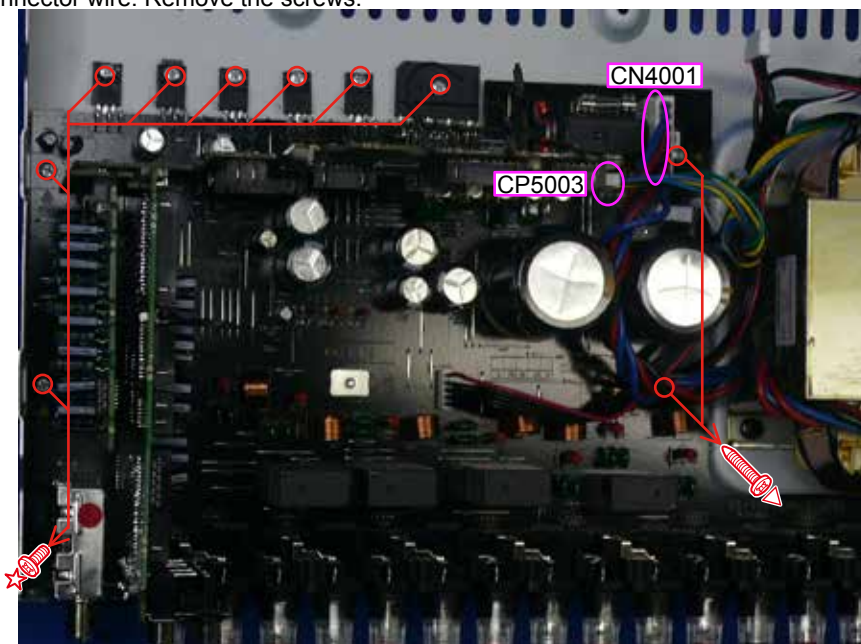
- (1) Remove the screws.



- (2) Remove the connector wire.



- (3) Remove the connector wire. Remove the screws.



7. SMPS PCB

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

(1) Remove the connector wire. Remove the screws.



8. TRANS POWER

Proceeding : **TOP COVER** → **BACK CHASSIS** → **HDMI PCB** → **TRANS POWER**

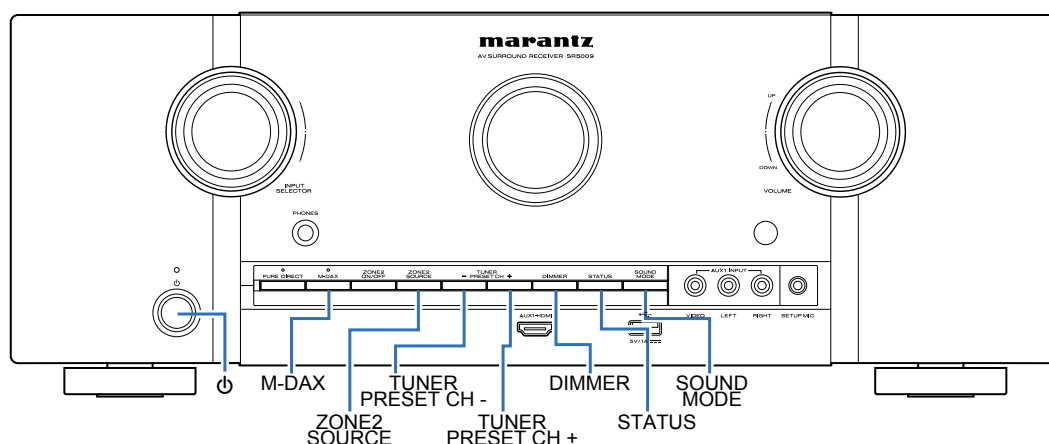
See "EXPLODED VIEW" for instructions on how to remove each PCB of the "TRANS POWER".

SPECIAL MODE

Special Mode Configuration Buttons

- ※ No. 1 - 12 : Hold down buttons A, B and C at the same time and press the power button to turn on the power.
- ※ No. 13 : Press the A and B buttons simultaneously while inserting the AC plug to turn the power on.

No.	Mode	Button A	Button B	Button C	Contents
1	Version Display (u-COM / DSP Error Display)	DIMMER	STATUS	-	Displays the version of firmware such as the main firmware or DSP, etc. Errors that have occurred are displayed. (See 20 page)
2	Protection History Display Mode	ZONE2 SOURCE	STATUS	-	Displays the protection occurrence history. (See 47 page)
3	Check the Video/Audio pass 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 25 page)
4	TUNER step	↑	↑	↑	Enables reception STEP of the ANALOG TUNER to be changed. (See 50 page)
5	Operation INFO	↑	↑	↑	Displays the total operating time of the set, number of times the power was switched on, and number of occurrences of each protection. (See 49 page)
6	User Initialization mode (Settings for the Installer Setup are not initialized.)	M-DAX	ZONE2 SOURCE	-	Initializes backup data. (Settings for the Installer Setup are not initialized.)
7	Factory Initialization mode (Initialization includes settings for the Installer Setup.)	TUNER PRESET CH -	TUNER PRESET CH +	-	Initializes backup data. (Initialization includes settings for the Installer Setup.)
8	Mode for preventing remote control acceptance	M-DAX	DIMMER	-	Start this unit in the PANEL/REMOTE LOCK selection mode so that PANEL LOCK and Remote Lock can be selected as ON or OFF. (See 23 page)
9	PANEL LOCK mode (with Volume)	↑	↑	-	This function prevents reception of all keys/encoders (including VOLUME) other than the power supply button on the Front Panel.
10	PANEL LOCK mode (without Volume)	↑	↑	-	This function prevents reception of all keys/encoders other than the power supply button and VOLUME encoder on the Front Panel.
11	Panel Lock Release	↑	↑	-	Function for Releasing the PANEL LOCK
12	Protection pass mode	DIMMER	STATUS	SOUND MODE	Enables the power to be turned on when protection detection is in the stopped state. (See 51 page)
13	Forced USB All Device Write Mode	TUNER PRESET CH +	STATUS	-	Mode used when this unit cannot be recovered. Forcibly switches this unit to USB update mode. (See 58 page)



1. Version Display Mode

1.1. Actions

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

1.2. Starting up

Hold down buttons "DIMMER" and "STATUS" at the same time and press the power button to turn on the power. Press the "STATUS" button after this to show the information in section 1.3 on the display.

※ A version list is also displayed on GUIs while the version appears on the display.

1.3. Display Order

Error information(See "1.4. Error display") → ① Model destination information → ② Firmware Package Version → ③ Main μ -com → ④ Sub μ -com → ⑤ DSP ROM → ⑥ Audio PLD → ⑦ Video PLD → ⑧ GUI SFLASH → ⑨ Ethernet 1st Boot Loader, Hardware ID → ⑩ Ethernet 2nd Boot Loader, Rhapsody Flag → ⑪ Ethernet IMAGE → ⑫ Ethernet MAC ADDRESS information → ⑬ BT MAC Address information

① Model destination information :

FLD	L1	S	R	5	0	0	9		U
	L2	*	S	N	-	*	*	*	*
	L3			*	*	*	*	*	*
FLD	L1	S	R	5	0	0	9		N
FLD	L1	S	R	5	0	0	9		K

② Firmware Package Version :

FLD	L1	P	A	C	K	A	G	E	
	L2								
	L3					*	*	*	*

③ Main μ -com Version :

FLD	L1	M	A	I	N				*
	L2					*	*	*	*
	L3	B	L	-	*	*	.	*	*

④ Sub μ -com Version :

FLD	L1	S	U	B					
	L2	X	X	Y	Z	*	*	*	*
	L3	B	L	-	*	*	.	*	*

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

⑤ DSP ROM :

FLD	L1	D	S	P					
	L2								
	L3				*	*	.	*	*

⑥ Audio PLD :

FLD	L1	A	.	P	L	D			
	L2								
	L3				*	*	.	*	*

⑦ Video PLD

FLD	L1	V	.	P	L	D			
	L2								
	L3				*	*	.	*	*

⑧ GUI SFLASH :

FLD	L1	G	U	I					
	L2	X	X	Y	Z	*	*	*	*
	L3								

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

⑨ Ethernet 1st Boot Loader, Hardware ID :

FLD	L1	N	E	T		F	B	L	
	L2	*	*	*	*	*	*	*	*
	L3						-	A	A

⑩ Ethernet 2nd Boot Loader, Rhapsody Flag :

FLD	L1	N	E	T		S	B	L	
	L2	*	*	*	*	*	*	*	*
	L3	*	*	*	*	*	-	B	B

⑪ Ethernet IMAGE :

FLD	L1	N	E	T		I	M	G	
	L2	*	*	*	*	*	*	*	*
	L3	*	*	*	*	*	*	*	*

⑫ Ethernet MAC ADDRESS information :

FLD	L1	N	E	T		M	A	C	
	L2			*	*	*	*	*	*
	L3		-	*	*	*	*	*	*

⑬ BT MAC ADDRESS information :

FLD	L1	B	T		M	A	C		
	L2			*	*	*	*	*	*
	L3		-	*	*	*	*	*	*

1.4. Error display

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

Display order is ①,②,③,④,⑤,⑥,⑦.

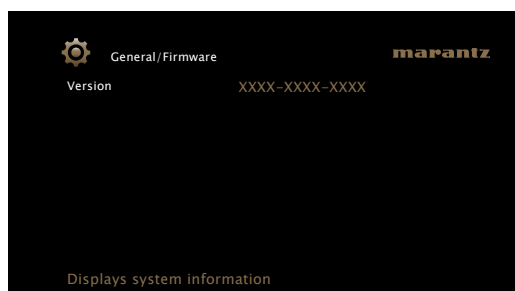
Condition	States	Display	TROUBLE SHOOTING																																																																																																																																				
① Firm Check NG	The model name, brand name and region information written in the firmware are compared to the region settings in the PCB.This error is displayed if the information does not match. "▲" or "▼" is displayed as the first character if the firmware is not correct (see right section of table).	<table><tr><td rowspan="3">FLD</td><td>L1</td><td>F I R M</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L2</td><td>E R R O R</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <table><tr><td rowspan="3">FLD</td><td>L1</td><td>M A I N</td><td></td><td></td><td></td><td></td><td>▲</td></tr><tr><td>L2</td><td>* * * * *</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td>B L - * * . * *</td><td></td><td></td><td></td><td></td><td></td></tr></table> <table><tr><td rowspan="3">FLD</td><td>L1</td><td>S U B</td><td></td><td></td><td></td><td></td><td>▲</td></tr><tr><td>L2</td><td>X X Y Z</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td>B L - * * . * *</td><td></td><td></td><td></td><td></td><td></td></tr></table> <table><tr><td rowspan="3">FLD</td><td>L1</td><td>D S P</td><td></td><td></td><td></td><td></td><td>▲</td></tr><tr><td>L2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td>*</td><td>*</td><td>. * *</td></tr></table> <table><tr><td rowspan="3">FLD</td><td>L1</td><td>A . P L D</td><td></td><td></td><td></td><td></td><td>▲</td></tr><tr><td>L2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td>*</td><td>*</td><td>. * *</td></tr></table> <table><tr><td rowspan="3">FLD</td><td>L1</td><td>G U I</td><td></td><td></td><td></td><td></td><td>▲</td></tr><tr><td>L2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td>*</td><td>*</td><td>. * *</td></tr></table>	FLD	L1	F I R M						L2	E R R O R						L3							FLD	L1	M A I N					▲	L2	* * * * *						L3	B L - * * . * *						FLD	L1	S U B					▲	L2	X X Y Z						L3	B L - * * . * *						FLD	L1	D S P					▲	L2							L3				*	*	. * *	FLD	L1	A . P L D					▲	L2							L3				*	*	. * *	FLD	L1	G U I					▲	L2							L3				*	*	. * *	•Check the resistor for setting region(R1428 / R1431, HDMIPCB). •Write the firmware for the correct region.
FLD	L1	F I R M																																																																																																																																					
	L2	E R R O R																																																																																																																																					
	L3																																																																																																																																						
FLD	L1	M A I N					▲																																																																																																																																
	L2	* * * * *																																																																																																																																					
	L3	B L - * * . * *																																																																																																																																					
FLD	L1	S U B					▲																																																																																																																																
	L2	X X Y Z																																																																																																																																					
	L3	B L - * * . * *																																																																																																																																					
FLD	L1	D S P					▲																																																																																																																																
	L2																																																																																																																																						
	L3				*	*	. * *																																																																																																																																
FLD	L1	A . P L D					▲																																																																																																																																
	L2																																																																																																																																						
	L3				*	*	. * *																																																																																																																																
FLD	L1	G U I					▲																																																																																																																																
	L2																																																																																																																																						
	L3				*	*	. * *																																																																																																																																
② SUB μ -COM NG	There is not a reply from SUB μ -COM.	<table><tr><td rowspan="3">FLD</td><td>L1</td><td>E 2 P R O M</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L2</td><td>E R R O R</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td>*</td><td>*</td><td>*</td></tr></table>	FLD	L1	E 2 P R O M						L2	E R R O R						L3				*	*	*	•Check the SUB(U1020) and surrounding circuits.																																																																																																														
FLD	L1	E 2 P R O M																																																																																																																																					
	L2	E R R O R																																																																																																																																					
	L3				*	*	*																																																																																																																																
③ IP SCALER NG	An error occurs in Loopback Test of the DDR memory to perform at initial setting of i/p Scaler(ADV8003). In initial setting of i/p Scaler (ADV8003), there is not the reply of the Loopback Test result of the DDR memory .	<table><tr><td rowspan="3">FLD</td><td>L1</td><td>I P</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L2</td><td>S C A L E R</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td>E R R</td><td>0 1</td><td></td><td></td><td></td><td></td></tr></table> <table><tr><td>FLD</td><td>L3</td><td>E R R</td><td>0 2</td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	I P						L2	S C A L E R						L3	E R R	0 1					FLD	L3	E R R	0 2					•Check the circuits around the IP SCALER (U1026, HDMI PCB) and DDR2 (U1028/1029). If there appear to be no problems, U1026 or U1028/1029 is faulty.																																																																																																						
FLD	L1	I P																																																																																																																																					
	L2	S C A L E R																																																																																																																																					
	L3	E R R	0 1																																																																																																																																				
FLD	L3	E R R	0 2																																																																																																																																				
④ GUI Serial Flash NG	When it is different from Version of the Main CPU which Version of GUI Serial Flash supports . (ADV8003)	<table><tr><td rowspan="3">FLD</td><td>L1</td><td>G U I V E R .</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L2</td><td>E R R O R</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	G U I V E R .						L2	E R R O R						L3							•Check the firmware version.																																																																																																														
FLD	L1	G U I V E R .																																																																																																																																					
	L2	E R R O R																																																																																																																																					
	L3																																																																																																																																						
⑤ DIR NG	This error is displayed if there is no response from the DIR.	<table><tr><td rowspan="3">FLD</td><td>L1</td><td>D I R</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L2</td><td>E R R O R</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td></td><td>0 1</td><td></td></tr></table>	FLD	L1	D I R						L2	E R R O R						L3					0 1		•Check the DIR (U1040, HDMI PCB) and surrounding circuits.																																																																																																														
FLD	L1	D I R																																																																																																																																					
	L2	E R R O R																																																																																																																																					
	L3					0 1																																																																																																																																	
⑥ DSP NG	The DSP FLAG0 port does not enter "Hi" status even after executing a DSP reset during a DSP code boot. The DSP FLAG0 port does not enter "Hi" status before issuing a DSP command. ACK="Hi" does not occur during DSP data reading, even when WRITE="Lo". ACK="Lo" does not occur during DSP data reading, even when REQ="Lo". ACK="Hi" does not occur during DSP data writing, even when WRITE="Hi". ACK="Lo" does not occur during DSP data writing, even when REQ="Lo".	<table><tr><td rowspan="3">FLD</td><td>L1</td><td>D S P</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L2</td><td>E R R O R</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td></td><td>0 1</td><td></td></tr></table> <table><tr><td>FLD</td><td>L3</td><td></td><td></td><td></td><td></td><td>0 2</td><td></td></tr></table> <table><tr><td>FLD</td><td>L3</td><td></td><td></td><td></td><td></td><td>0 3</td><td></td></tr></table> <table><tr><td>FLD</td><td>L3</td><td></td><td></td><td></td><td></td><td>0 4</td><td></td></tr></table> <table><tr><td>FLD</td><td>L3</td><td></td><td></td><td></td><td></td><td>0 5</td><td></td></tr></table> <table><tr><td>FLD</td><td>L3</td><td></td><td></td><td></td><td></td><td>0 6</td><td></td></tr></table>	FLD	L1	D S P						L2	E R R O R						L3					0 1		FLD	L3					0 2		FLD	L3					0 3		FLD	L3					0 4		FLD	L3					0 5		FLD	L3					0 6		•Check the DSP (U1024, HDMI PCB) and surrounding circuits.																																																																						
FLD	L1	D S P																																																																																																																																					
	L2	E R R O R																																																																																																																																					
	L3					0 1																																																																																																																																	
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FLD	L3					0 5																																																																																																																																	
FLD	L3					0 6																																																																																																																																	
⑦ EEPROM NG	An error occurred in a checksum of the EE-PROM(*** is a block address number).	<table><tr><td rowspan="3">FLD</td><td>L1</td><td>E 2 P R O M</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L2</td><td>E R R O R</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td>*</td><td>*</td><td>*</td></tr></table>	FLD	L1	E 2 P R O M						L2	E R R O R						L3				*	*	*																																																																																																															
FLD	L1	E 2 P R O M																																																																																																																																					
	L2	E R R O R																																																																																																																																					
	L3				*	*	*																																																																																																																																

1.5. Version Display in the Setup Menu

Follow the steps below to display the firmware information.

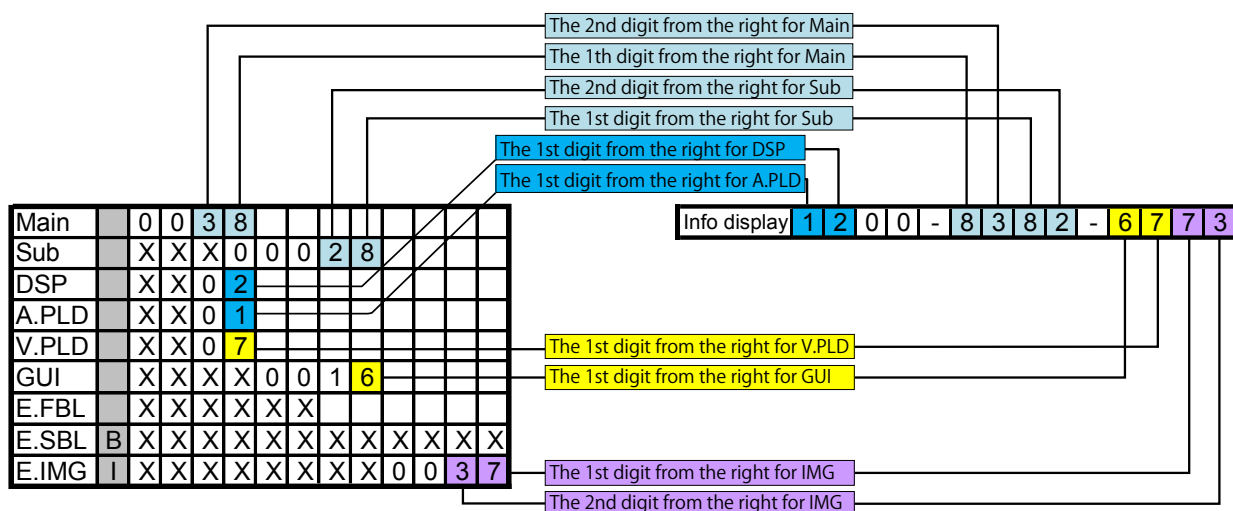
- (1) Press the **"SETUP"** button on the remote control.
- (2) Select **"General - Information - Firmware"**.

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



GUI Image

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



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

2. PANEL / REMOTE LOCK Selection Mode

2.1. Actions

Turn the PANEL LOCK and REMOTE LOCK modes on and off.

2.2. Starting up

Hold down buttons "M-DAX" and "ZONE2 SOURCE" at the same time and press the power button to turn on the power. Select the mode using the button "TUNER PRESET CH+", and press the button "STATUS" to commit the selection.

2.3. Displaying and Selecting Each Mode

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

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

The On/Off setting for each mode is shown by an asterisk "※".

①

FLD	L1	P	/	V		L	O	C	K
	L2	※	O	N					
	L3								

The buttons on the unit and the master volume knob cannot be operated.

②

FLD	L1	P	P		L	O	C	K	
	L2		O	N					
	L3								

The buttons on the unit cannot be operated.

③

FLD	L1	P	P		L	O	C	K	
	L2		O	F	F				
	L3								

The PANEL LOCK mode is turned off.

④

FLD	L1	R	C		L	O	C	K	
	L2		O	N					
	L3								

The device cannot be operated by the remote control.

⑤

FLD	L1	R	C		L	O	C	K	
	L2	※	O	F	F				
	L3								

The REMOTE LOCK mode is turned off.

3. Selection Modes for Service-related Operations

3.1. Actions

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

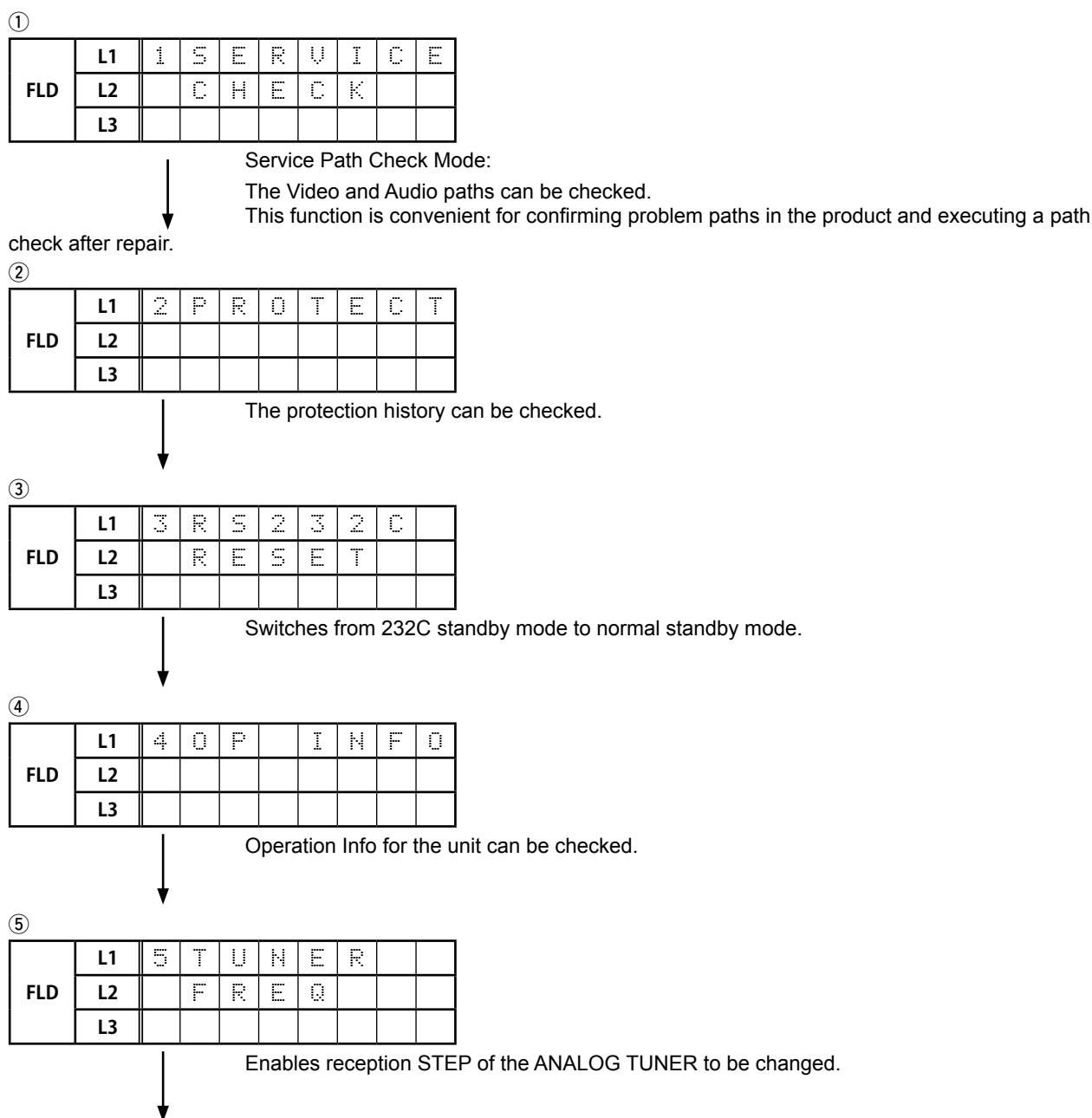
3.2. Starting up

Hold down buttons "ZONE2 SOURCE" and "STATUS" at the same time and press the power button to turn on the power.

3.3. Displaying and Selecting Each Mode

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

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



3.4. Canceling the mode

Press the power button to turn off the power.

3.4. DIAGNOSTIC MODE (Service Path Check Mode)

3.4.1. Actions

This function is convenient for confirming problem paths in the product and executing a path check after repair.
The Video and Audio paths can be checked.
The backup data is not rewritten.

3.4.2. Starting up

Hold down buttons "ZONE2 SOURCE" and "STATUS" at the same time and press the power button to turn on the power.
Select the mode using the button "TUNER PRESET CH+", and press the button "STATUS" to commit the selection.
Select "1. SERVICE CHECK" and press the "STATUS" button to start the diagnostic mode.
The "TUNED", "STERO" and "RDS" segments are lit in this mode.

3.4.3. Canceling diagnostic mode

Press the power button to turn off the power.

3.4.4. Selecting items

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

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

3.4.5. Video system confirmation items

fig. XX: See the block diagram of the fig.XXth.

Paths confirmation item		Display		Settings	Contents of confirmation Remarks
1	Video Convert (Analog or HDMI ⇒ HDMI) fig.01	Upper	V 0 2 C O N V .	Input Source : CBL/SAT Video Convert(IP Scaler) : ON, All sources IP Scaler : "Analog & HDMI", All sources Resolution : "Auto", All sources MAIN ZONE ON ZONE2 OFF	• Check of CVBS input ⇒ IP Scaler ⇒ HDMI output. • Check of CVBS input ⇒ CVBS output. • Check of Component input ⇒ IP Scaler ⇒ HDMI output. • Check of Component input ⇒ Component output. • Check of HDMI input ⇒ IP Scaler ⇒ HDMI output. • Check of ETHERNET input ⇒ IP Scaler ⇒ HDMI output. (※ The input source can be switched to any source except CBL/SAT.)
		Lower	* * * . * ↓ B		
2	HDMI pass (MAIN ZONE) fig.02	Upper	V 0 3 H D M I	Input Source : CBL/SAT Source of Video Convert(IP Scaler) : OFF, All sources MAIN ZONE ON ZONE2 OFF	• Check of HDMI input (MAIN Function) ⇒ HDMI output (MAIN) (※ The input source can be switched to any source except CBL/SAT.)
		Lower	* * * . * ↓ B		
3	HDMI CEC fig.03	Upper	V 0 4 C E C	Input Source : CBL/SAT HDMI Control : ON MAIN ZONE ON ZONE2 OFF	• When the power supply of a TV is put in the standby mode, make sure that the power supply of this unit is also put in the standby mode. • The ARC path can also be checked (check this using the TV input source). (※ The input source can be switched to any source except CBL/SAT.)
		Lower	* * * . * ↓ B		
4	HDMI Audio (Audio: AVR) fig.04a fig.04b	Upper	V 0 5 H - A V R	Input Source : CBL/SAT HDMI Control : OFF HDMI Audio : AVR (if checking the audio output from AVR)	• Check of HDMI input(PCM , DolbyDigital , DTS) ⇒ Speaker output. • Check of HDMI input(HD audio) ⇒ Speaker output. (※ The input source can be switched to any source except CBL/SAT.)
		Lower	* * * . * ↓ B		
5	HDMI Audio (Audio: TV) fig.05	Upper	V 0 6 H - T V	HDMI Audio : TV (if checking the audio output from TV)	• Check of HDMI input(PCM , DolbyDigital , DTS) ⇒ HDMI output (audio output from connected TV) (※ The input source can be switched to any source except CBL/SAT.)
		Lower	* * * . * ↓ B		
6	GUI fig.06	Upper	V 0 7 M E N U	Input Source : CBL/SAT Video Convert(IP Scaler) : ON, All sources IP Scaler : "Analog & HDMI", All sources Resolution : "AUTO", All sources Setup Menu ON MAIN ZONE ON ZONE2 OFF	• Check of GUI display ⇒ HDMI output. (※ The input source can be switched to any source except CBL/SAT.)
		Lower	* * * . * ↓ B		

3.4.6. Audio system confirmation items

fig. XX: See the block diagram of the fig.XXth.

Paths confirmation item		Display		Settings	Contents of confirmation Remarks
1	Analog (pass) fig.07	Upper	A 0 1 A N L G	Input Source: CBL/SAT Input Mode: ANALOG fixed Sound mode: DIRECT Amp assign: Surround Back MAIN ZONE: ON ZONE2: OFF	• Check the audio output. • Check of Analog input ⇒ Speaker output. Front L/R (※ The input source can be switched to any source except CBL/SAT.)
2	DIGITAL (MAIN) fig.08a fig.08b	Upper	A 2 D I G .	Input Source : CBL/SAT Input Mode : DIGITAL fixed Sound mode: MULTI CH STEREO Amp assign : Surround Back Speaker Config all Speaker=Small / SW=Yes(2ch) MAIN ZONE ON ZONE2 OFF	• Check the audio output. • Check of Digital input ⇒ Speaker output. Front L/R, Center, Surround L/R, Surround Back L/R • Check of Digital(PCM) input ⇒ Preout output. Front L/R, Center, Surround L/R, Surround Back L/R, Subwoofer (※ The input source can be switched to any source except CBL/SAT.)
3	DIGITAL (ZONE2) fig.09a fig.09b	Upper	A 0 3 Z 2 D I G	Input Source : NETWORK Input Mode : Auto Sound mode: STEREO Amp assign : ZONE2 MAIN ZONE: ON ZONE2: ON	• Check the audio output. • Digital(PCM) input ⇒ Speaker output Surround Back (ZONE2) L/R • Digital(PCM) input ⇒ Preout output ZONE2 L/R
4	HDMI fig.10a fig.10b	Upper	A 0 5 H D M I	Input Source : CBL/SAT Input Mode : HDMI fixed Sound mode: STEREO Amp assign : Surround Back MAIN ZONE: ON ZONE2: OFF	• Check the audio output. • HDMI input ⇒ Speaker output. Front L/R (※ The input source can be switched to any source except CBL/SAT.)
5	Analog AD (MAIN) fig.11a fig.11b	Upper	A 0 6 A D	Input Source : CBL/SAT Input Mode : Analog fixed Sound mode: MULTI CH STEREO Vol -20dB Amp assign : Surround Back Speaker Config all Speaker=Small / SW=Yes(2ch) MAIN ZONE: ON ZONE2: OFF	• Check the audio output. • Check of Analog input ⇒ Speaker output. Front L/R, Center, Surround L/R, Surround Back L/R • Check of Analog input ⇒ Pre OUT. Front L/R, Center, Surround L/R, Surround Back L/R, Subwoofer (※ The input source can be switched to any source except CBL/SAT.) (※ Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)
6	Analog Amp Assign (Amp Assign: ZONE2) fig.12	Upper	A 0 7 Z 2 A S S	Input Source : CBL/SAT Input Mode : Auto Sound mode: STEREO Z2 Source : Source Vol -20dB Amp assign : ZONE2 MAIN ZONE: ON ZONE2: ON	• Check the audio output. • Check of Analog input ⇒ Speaker output. Surround Back(ZONE2) L/R • Check of Analog input ⇒ Pre OUT. ZONE2 L/R (※ The input source can be switched to any source except CBL/SAT.) (※ Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)
7	Analog Amp Assign (Amp Assign: Bi-Amp) fig.13	Upper	A 1 1 B i A M P	Input Source : CBL/SAT Input Mode : Auto Sound mode: MULTI CH STEREO Amp assign : Bi-Amp MAIN ZONE ON ZONE2 OFF	• Check the audio output. • Check of Analog input ⇒ Speaker output. Surround Back L/R (※ The input source can be switched to any source except CBL/SAT.) (※ Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)
8	Front Height fig.14a fig.14b	Upper	A 1 4 F H	Input Source : CBL/SAT Input Mode : Auto Sound mode: MULTI CH STEREO Vol -20dB Amp assign : Front Height MAIN ZONE ON ZONE2 OFF	• Check the audio output. • Check of Analog input ⇒ Speaker output. Surround Back L/R (※ The input source can be switched to any source except CBL/SAT.) • Check of PREOUT output. (※ Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)

DIAGNOSTIC PATH DIAGRAM

fig.01

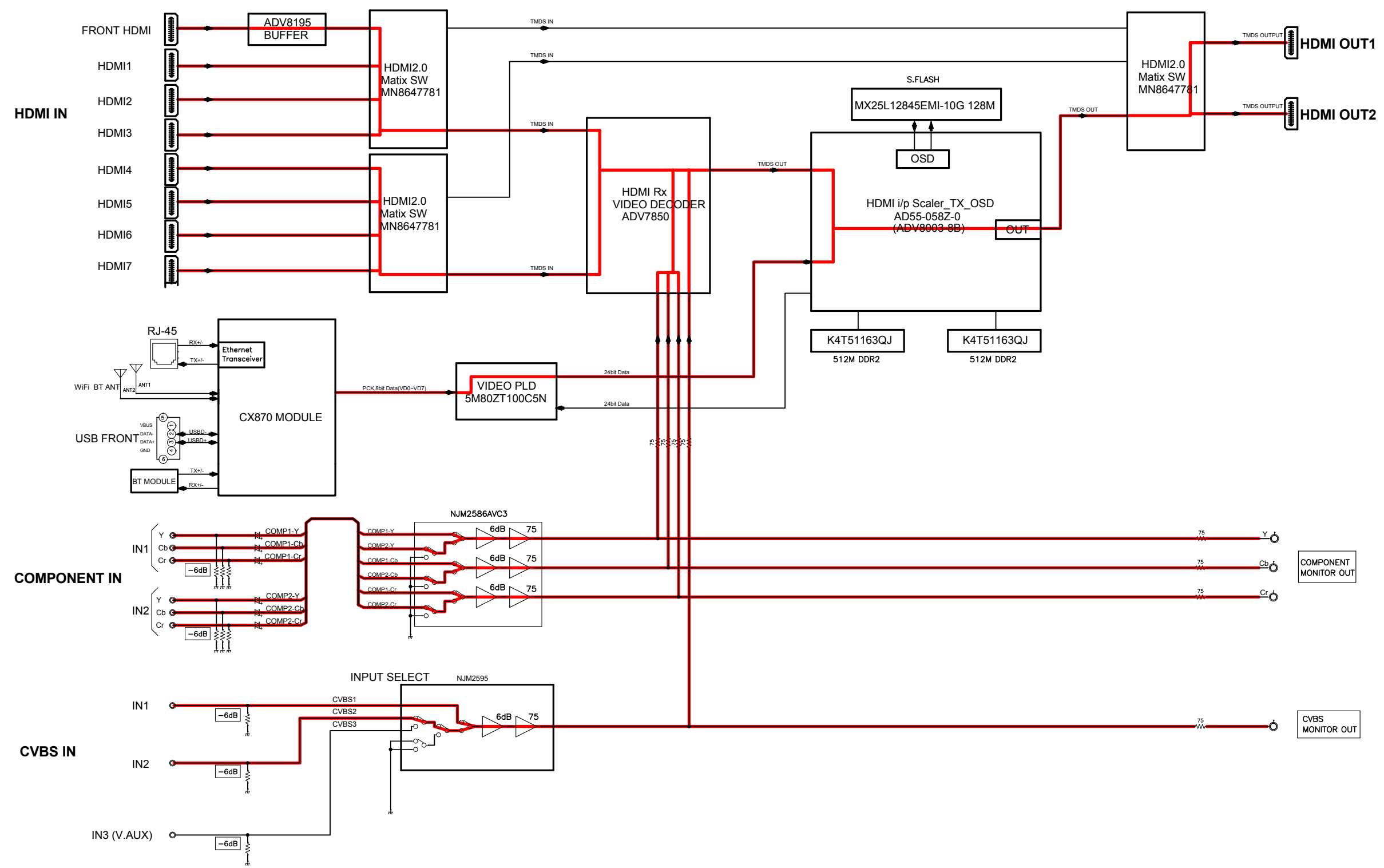


fig.02

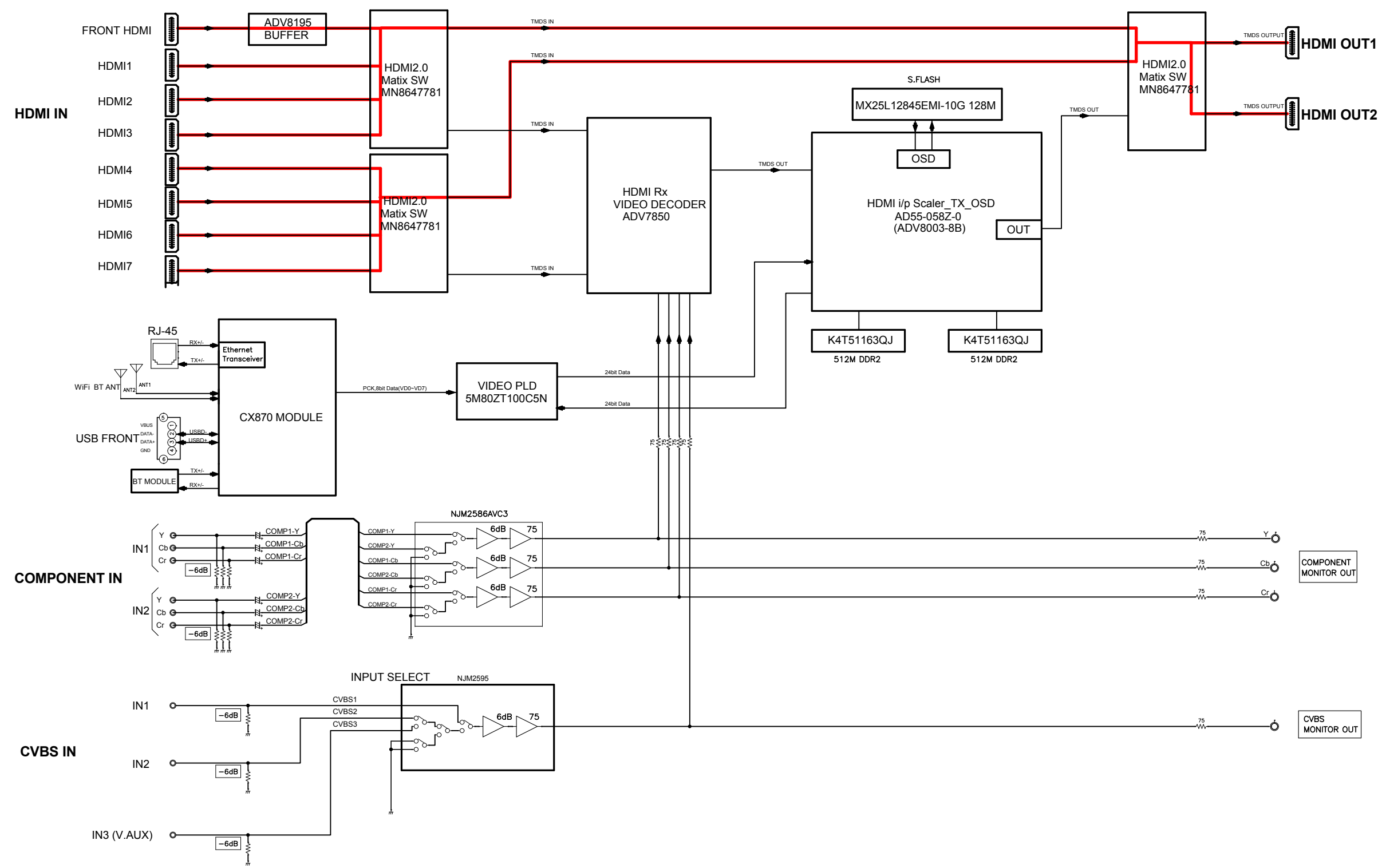


fig.03

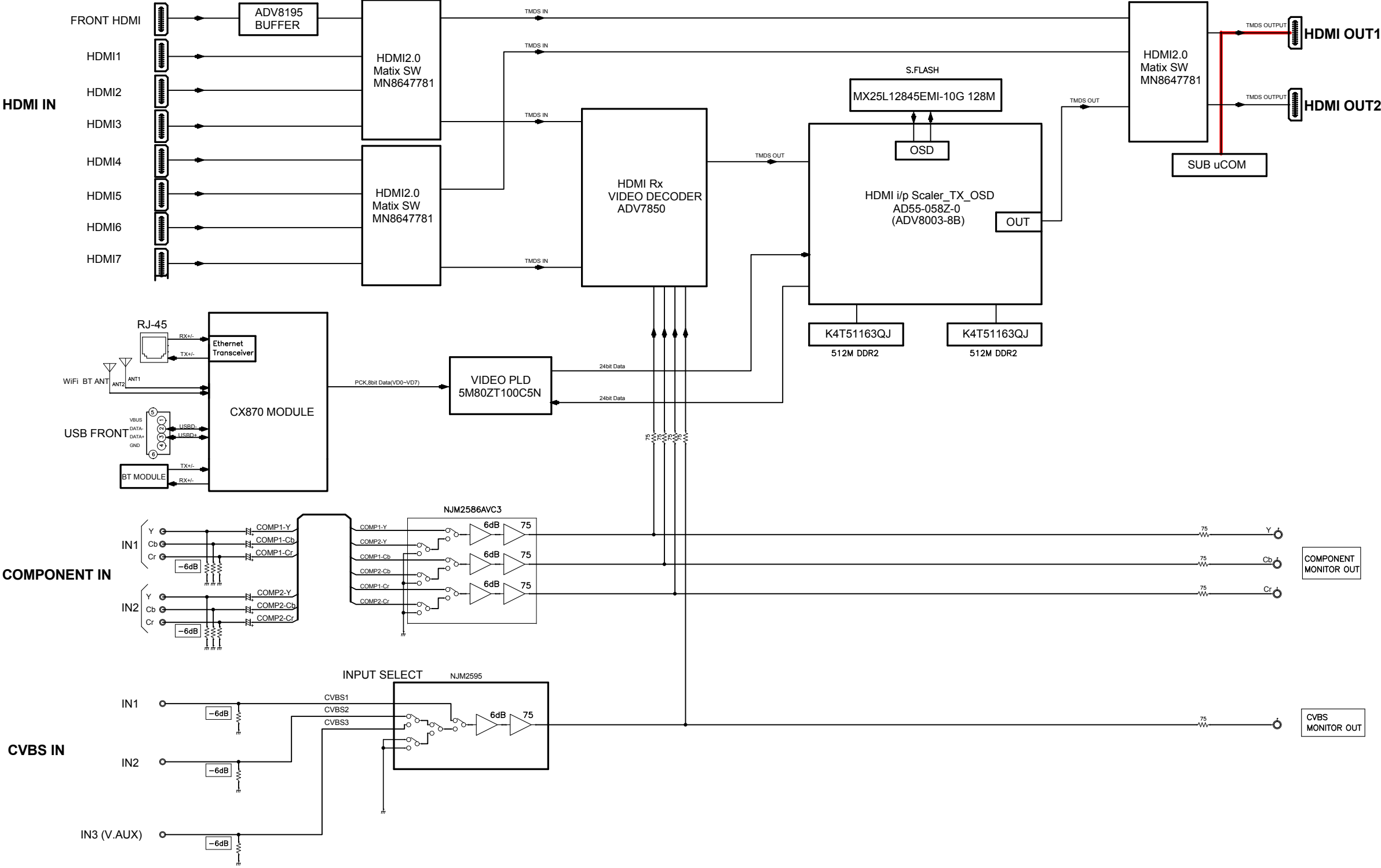


fig.04a

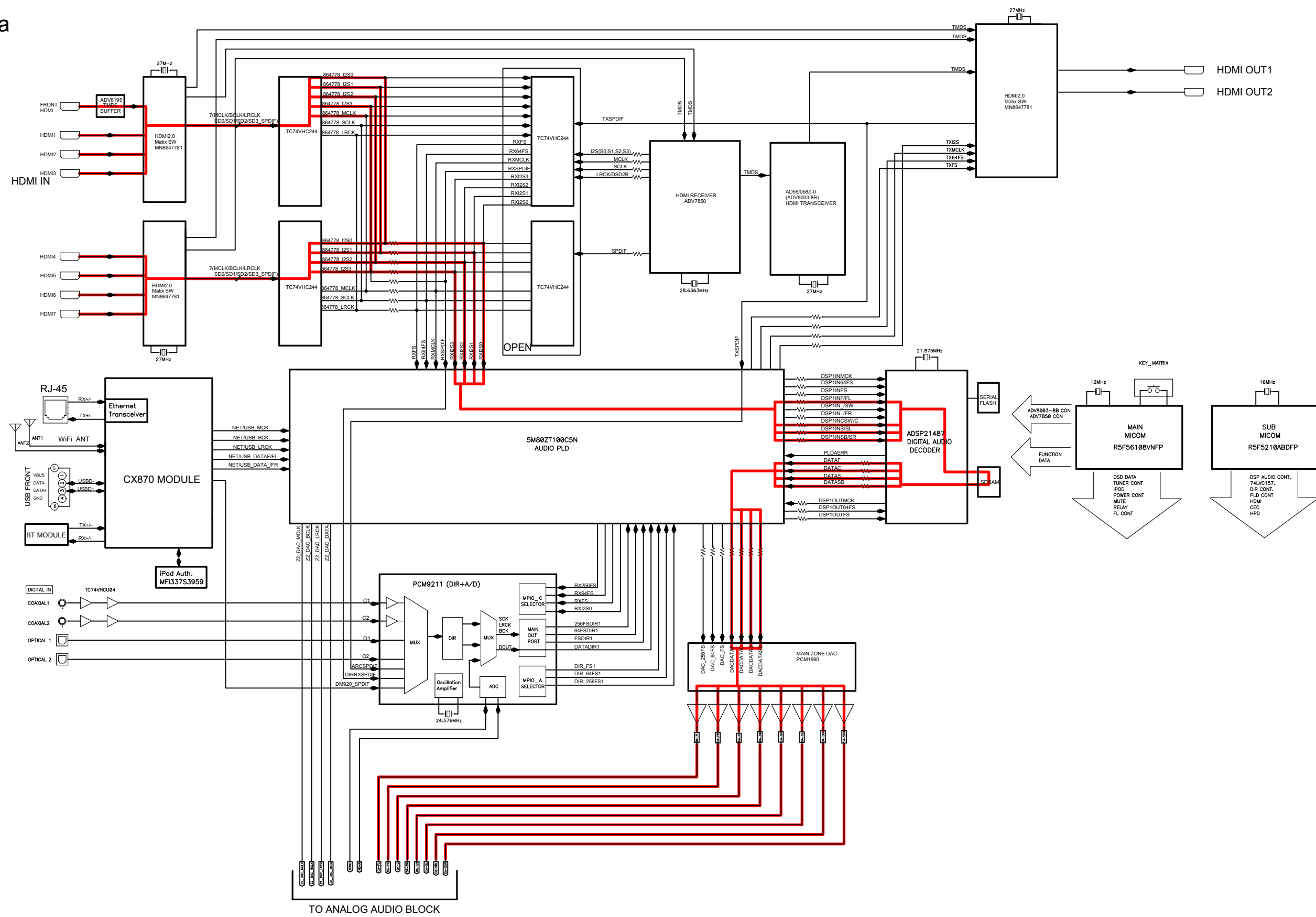


fig.04b

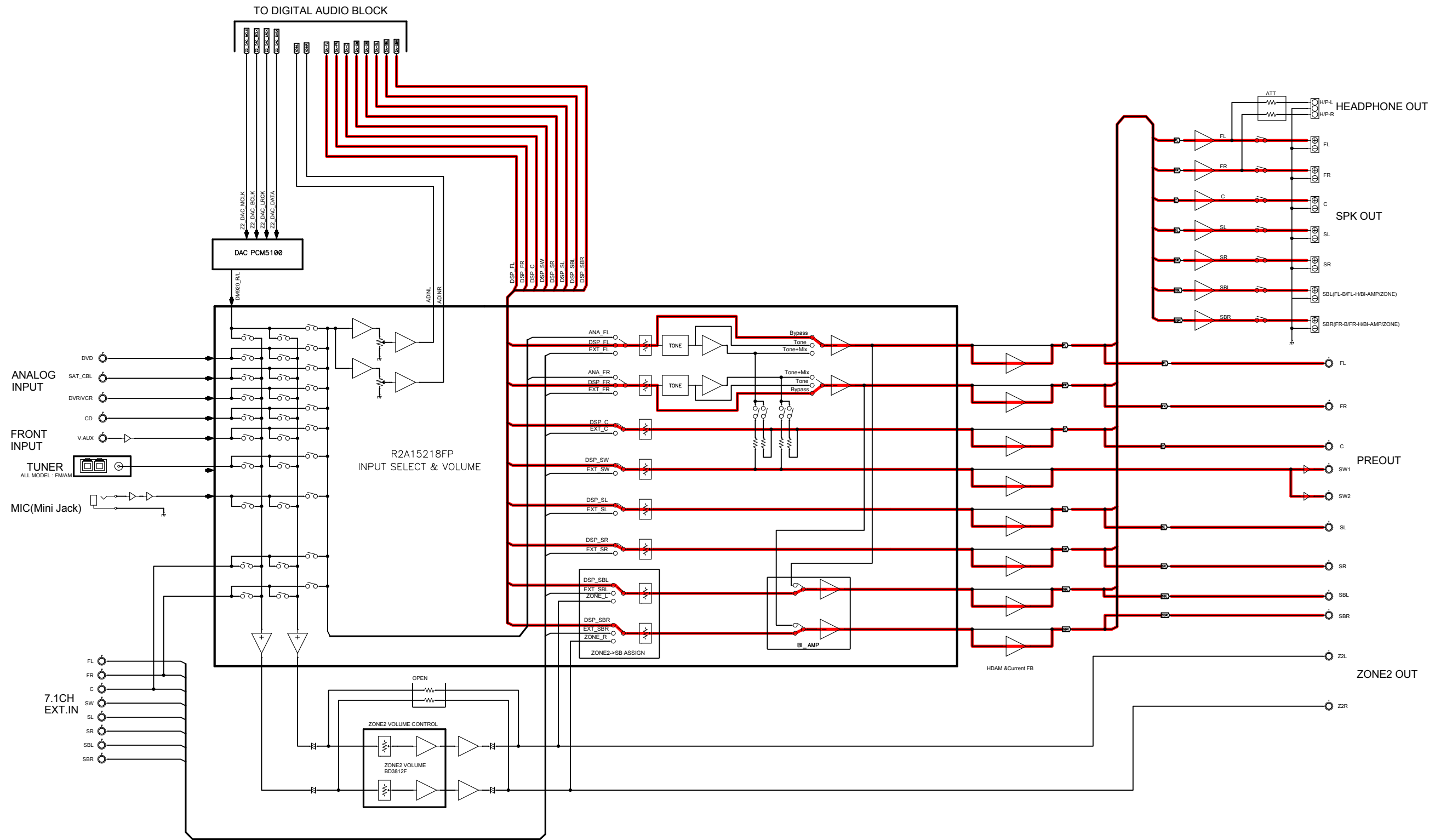


fig.05

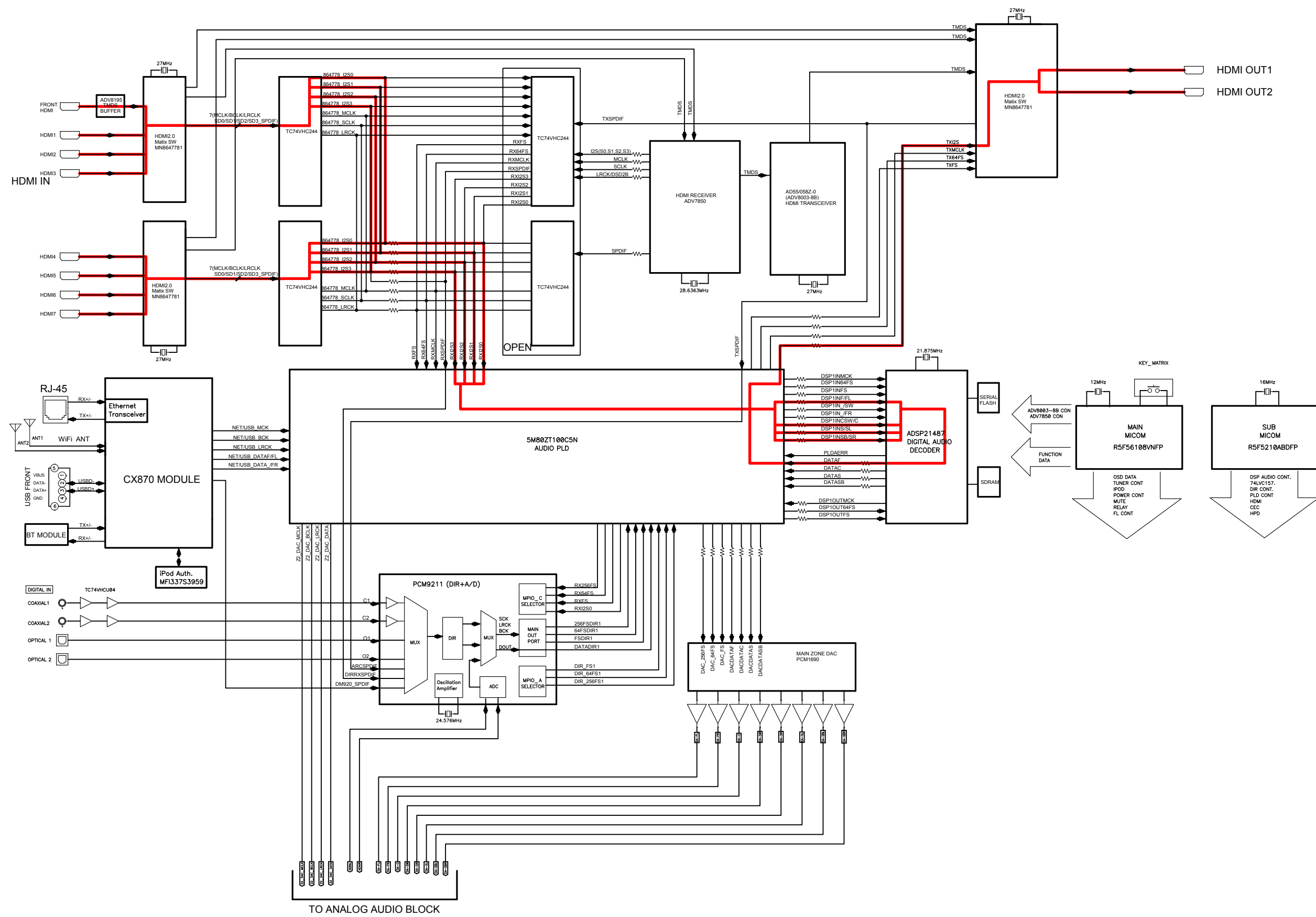


fig.06

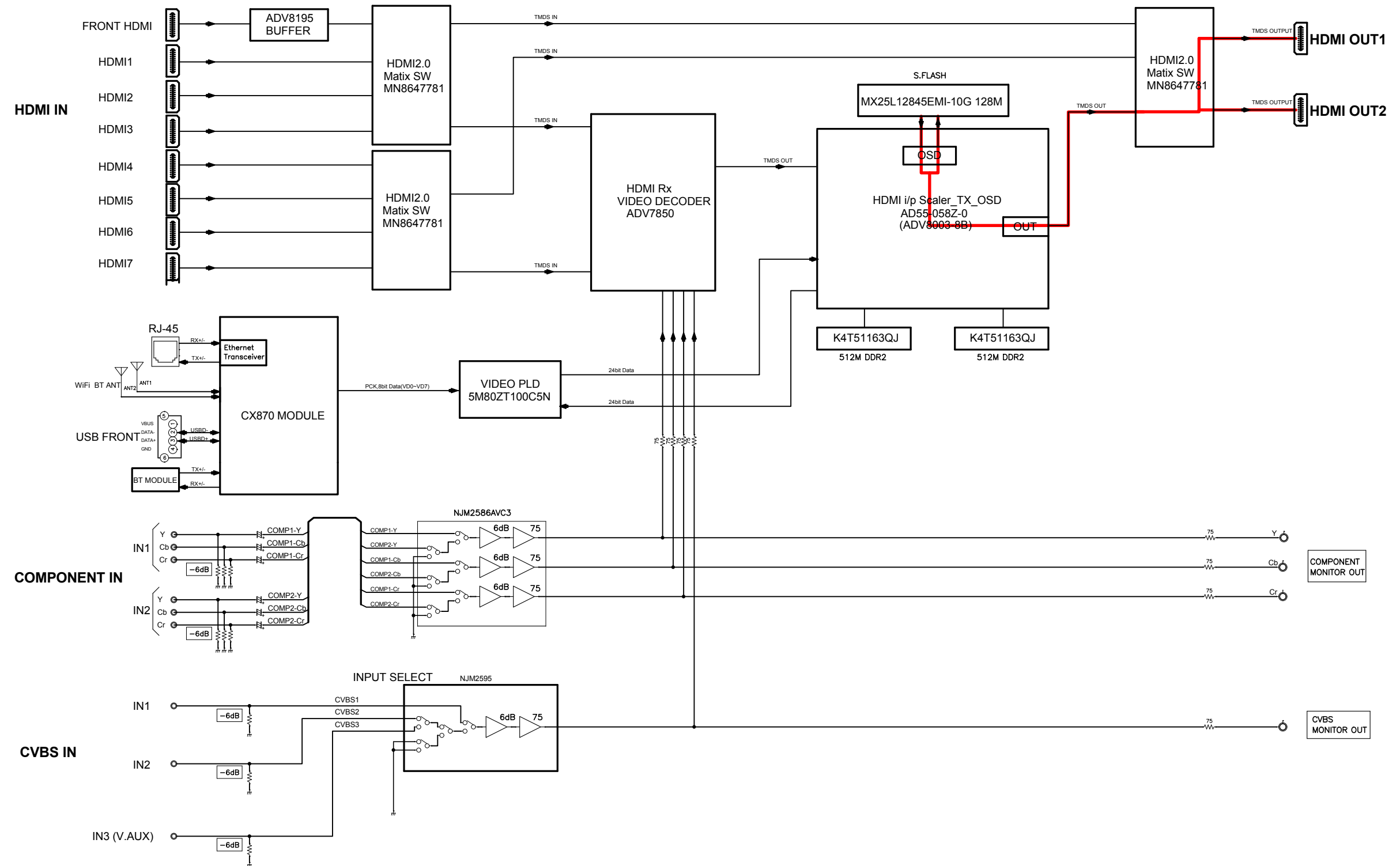


fig.07

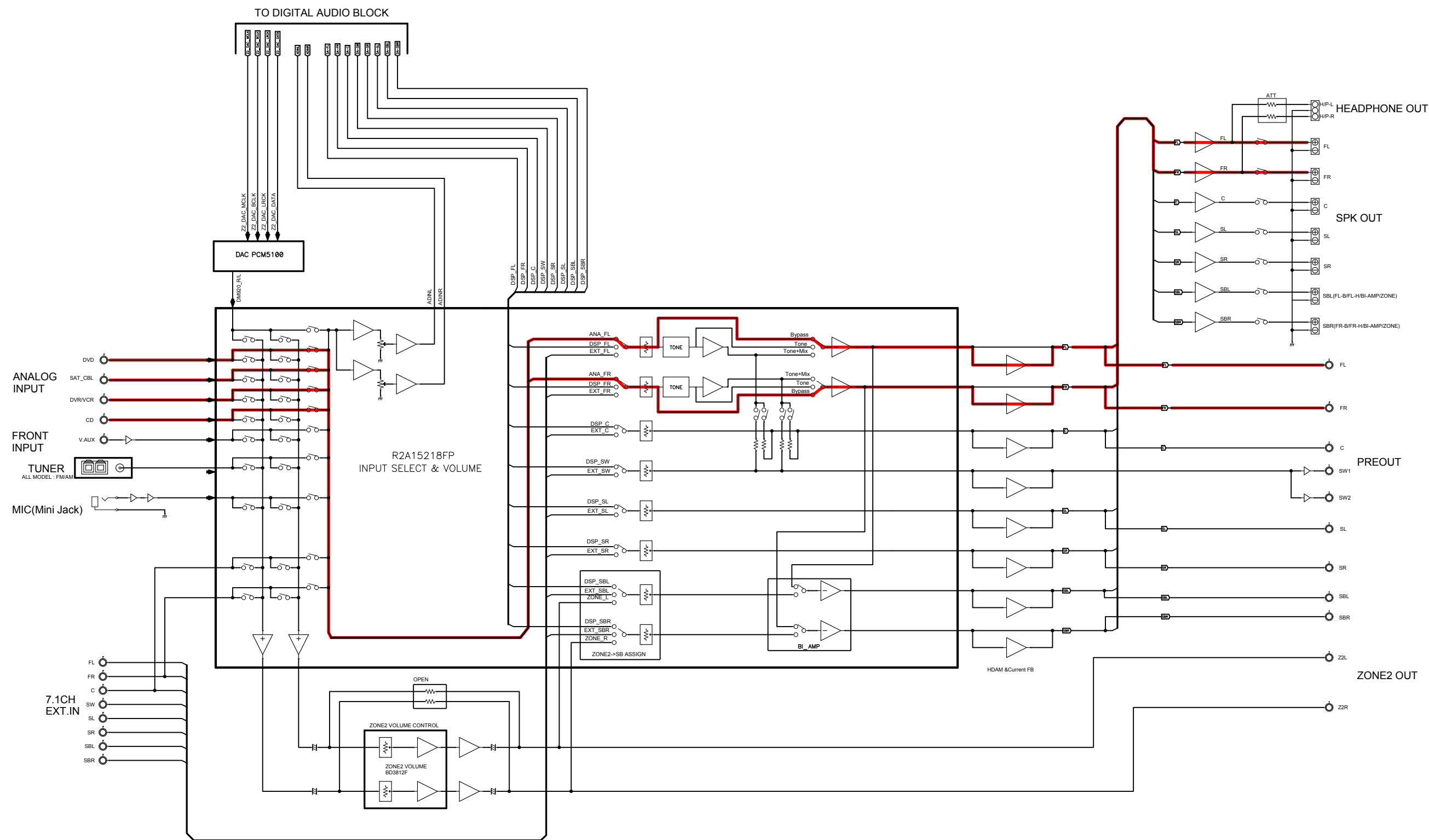


fig.08a

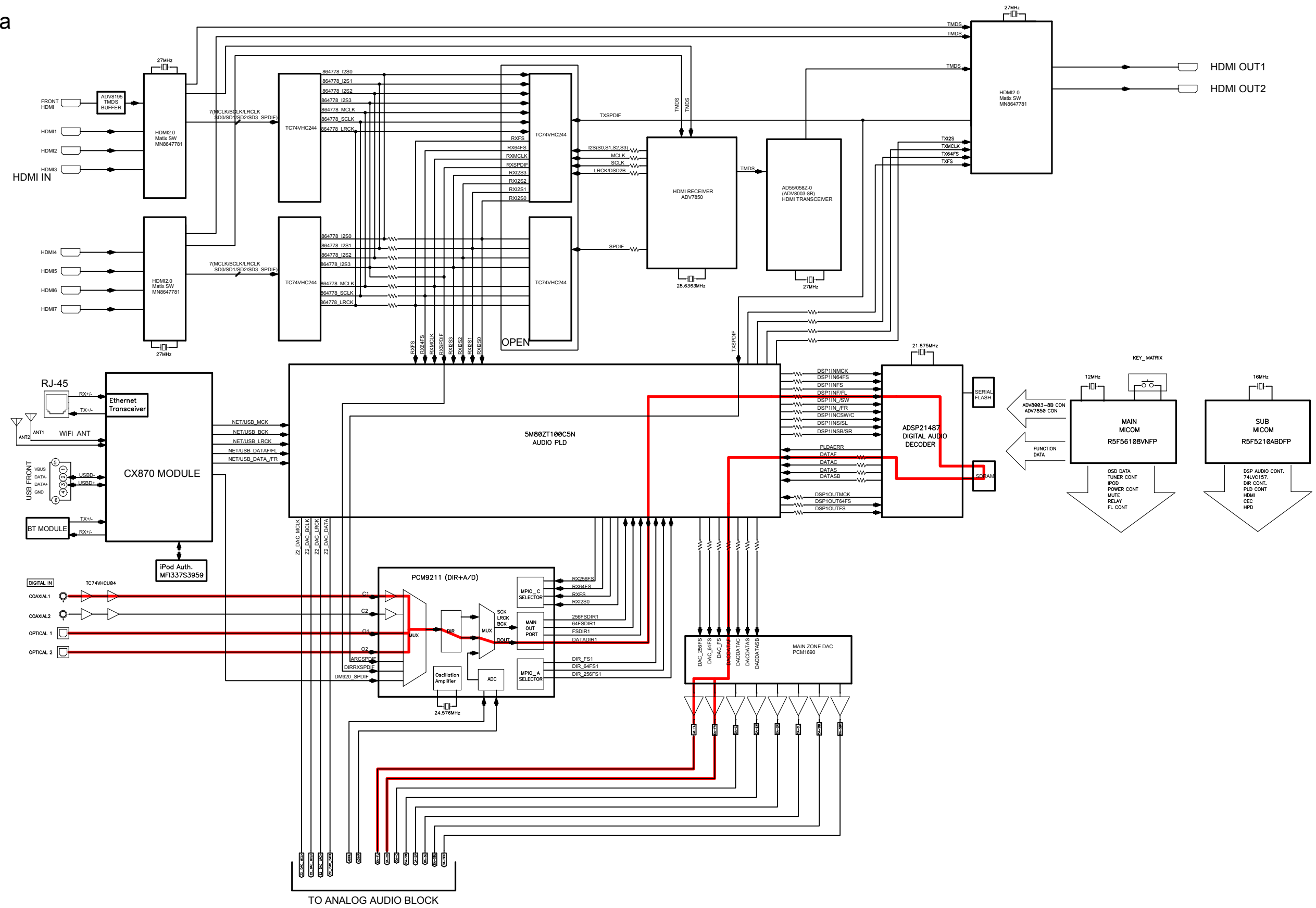


fig.08b

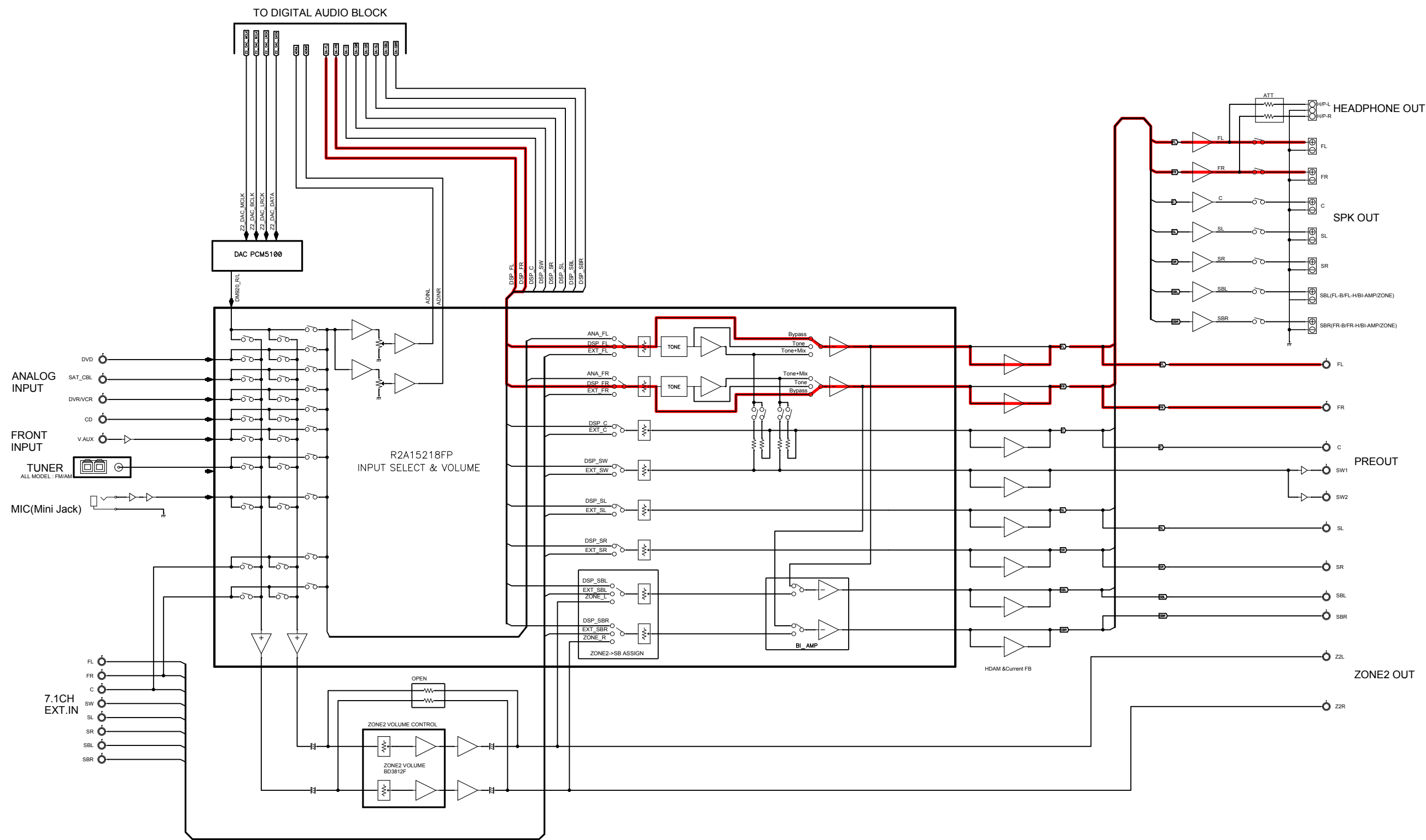


fig.09a

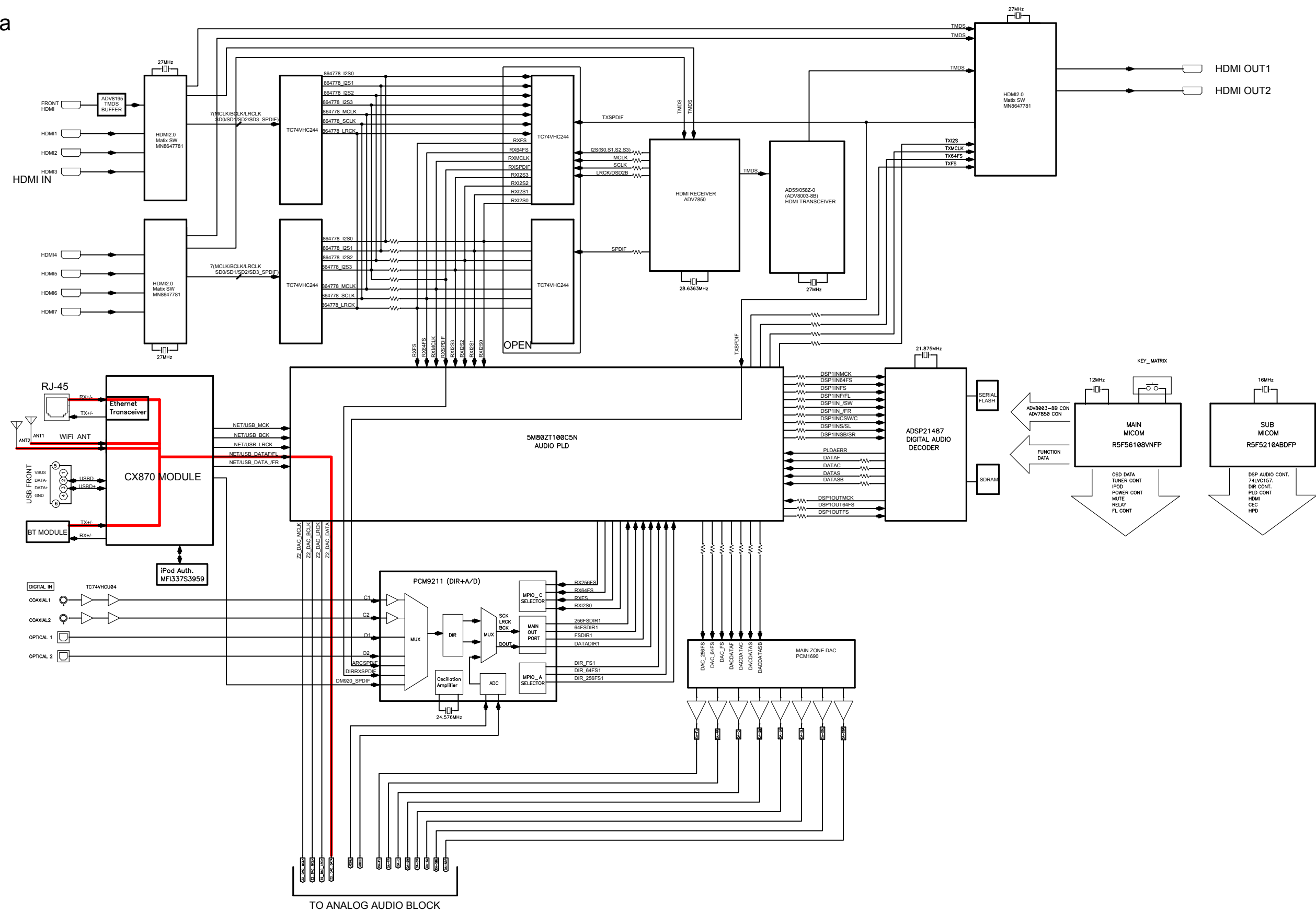


fig.09b

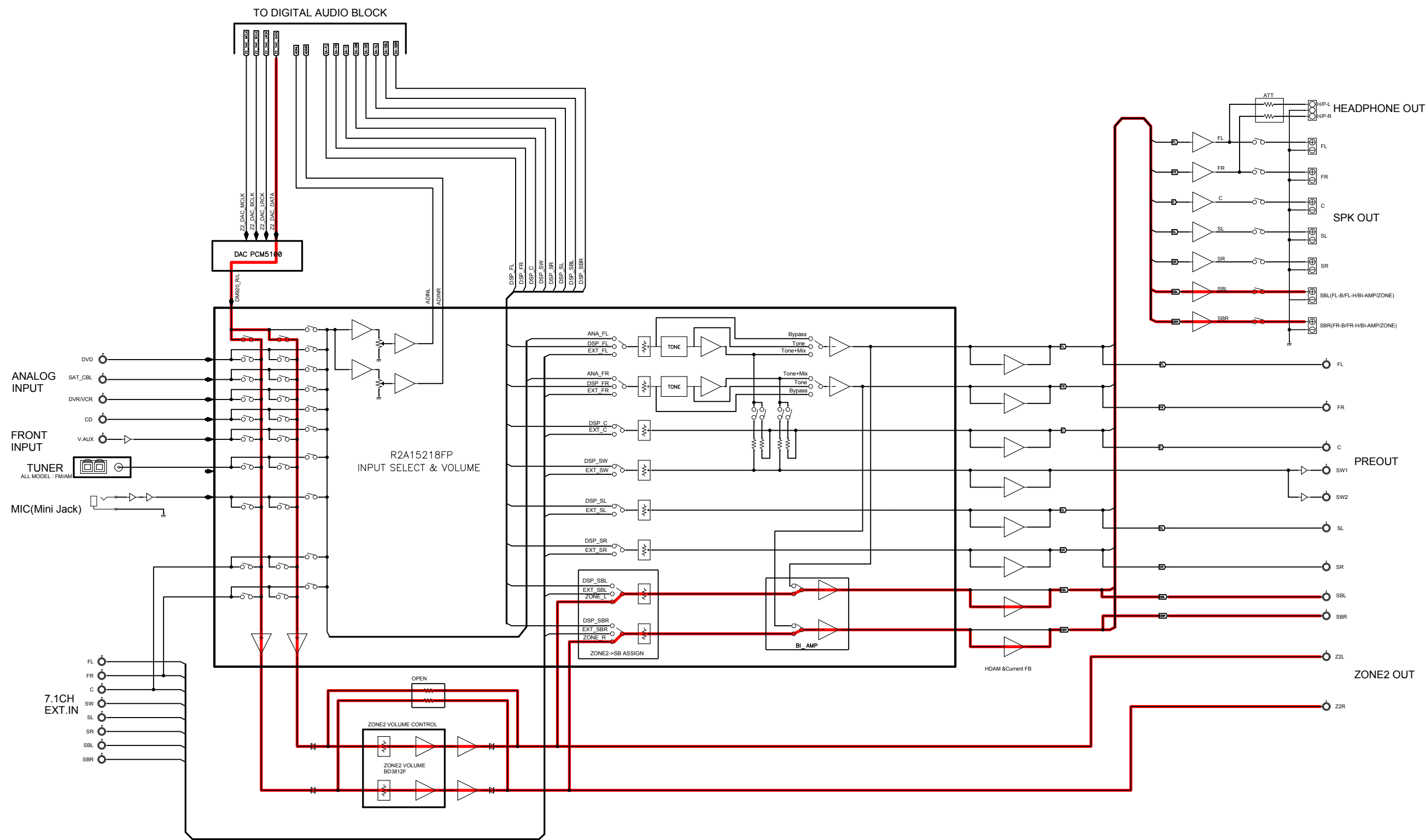


fig.10a

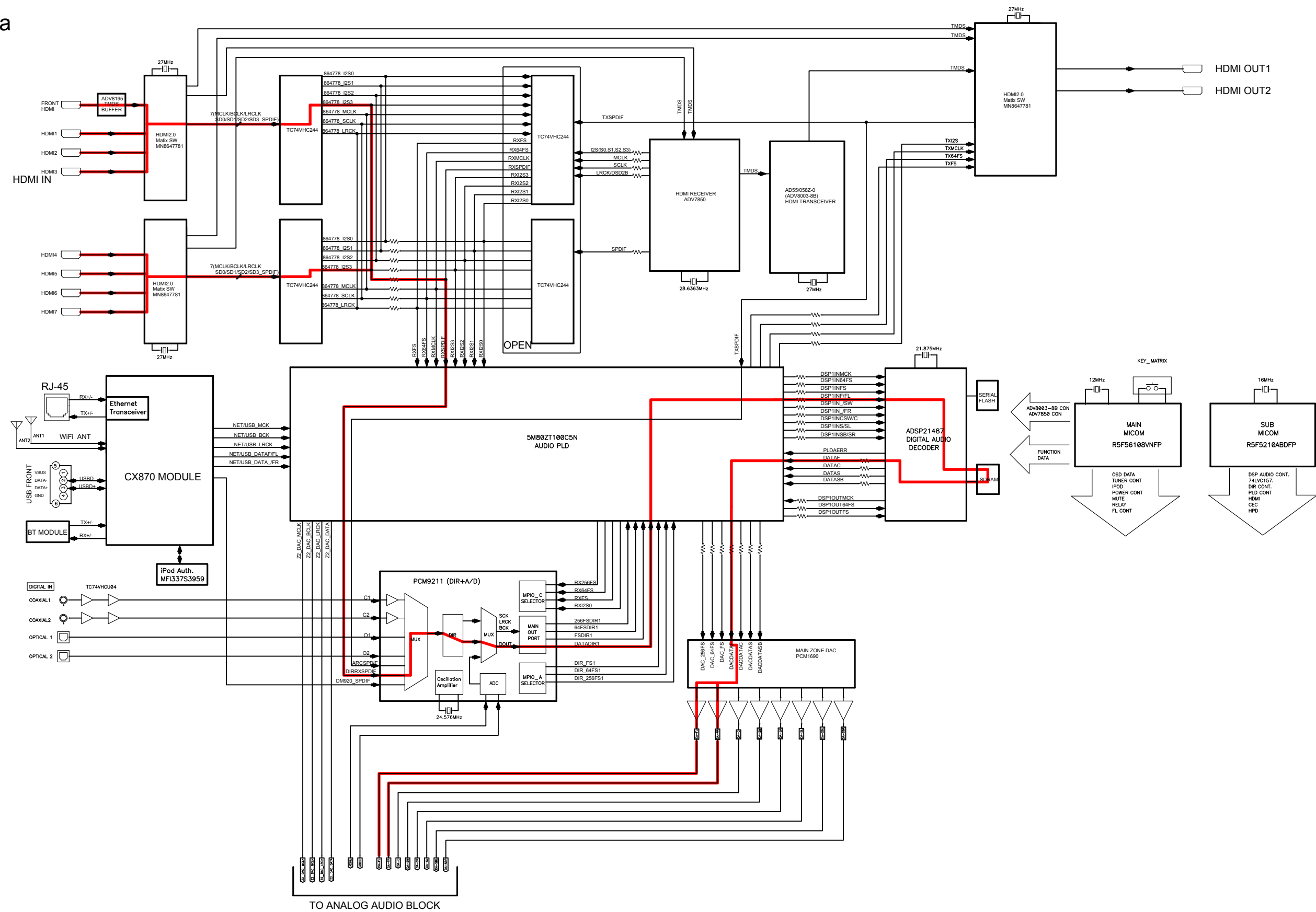


fig.10b

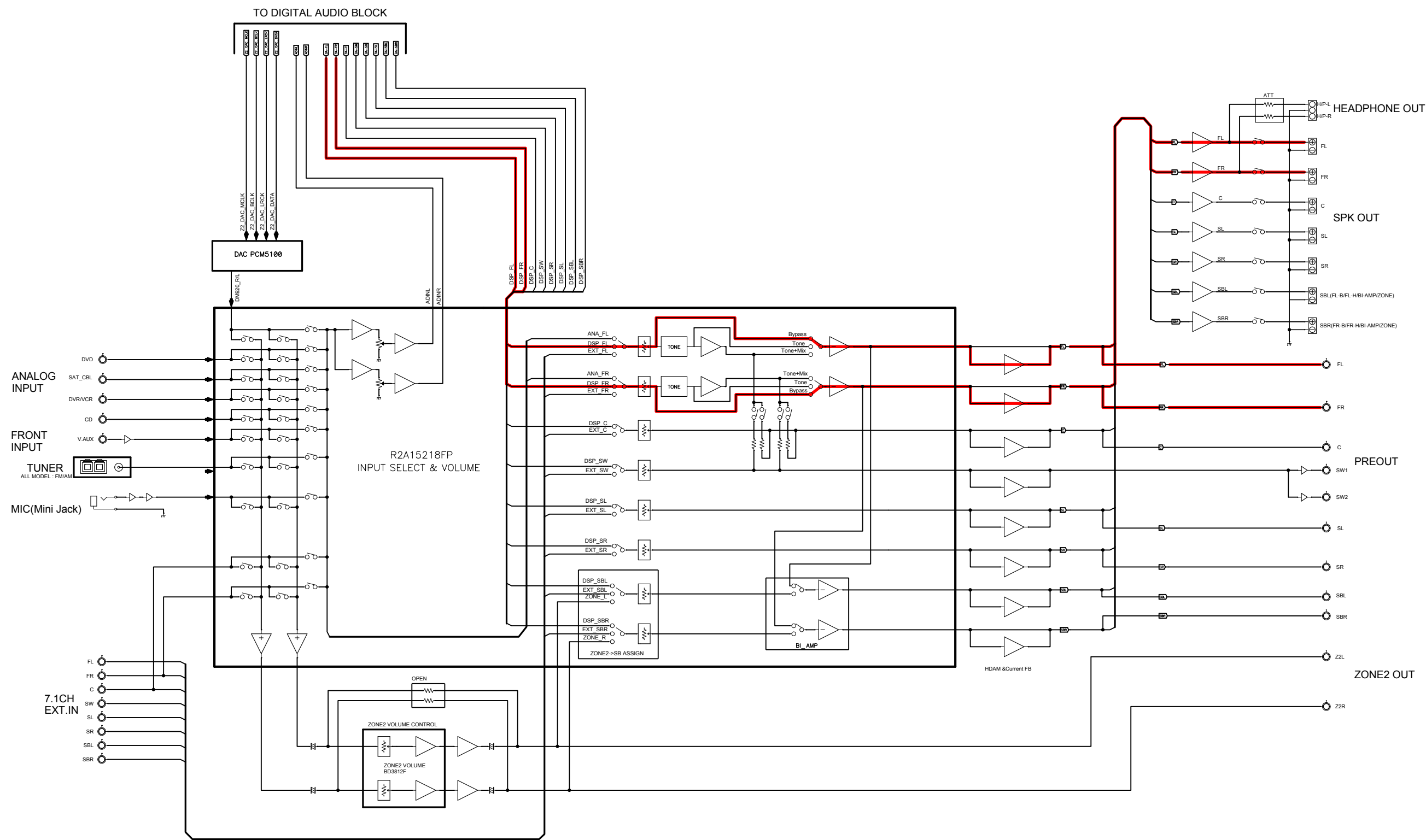


fig.11a

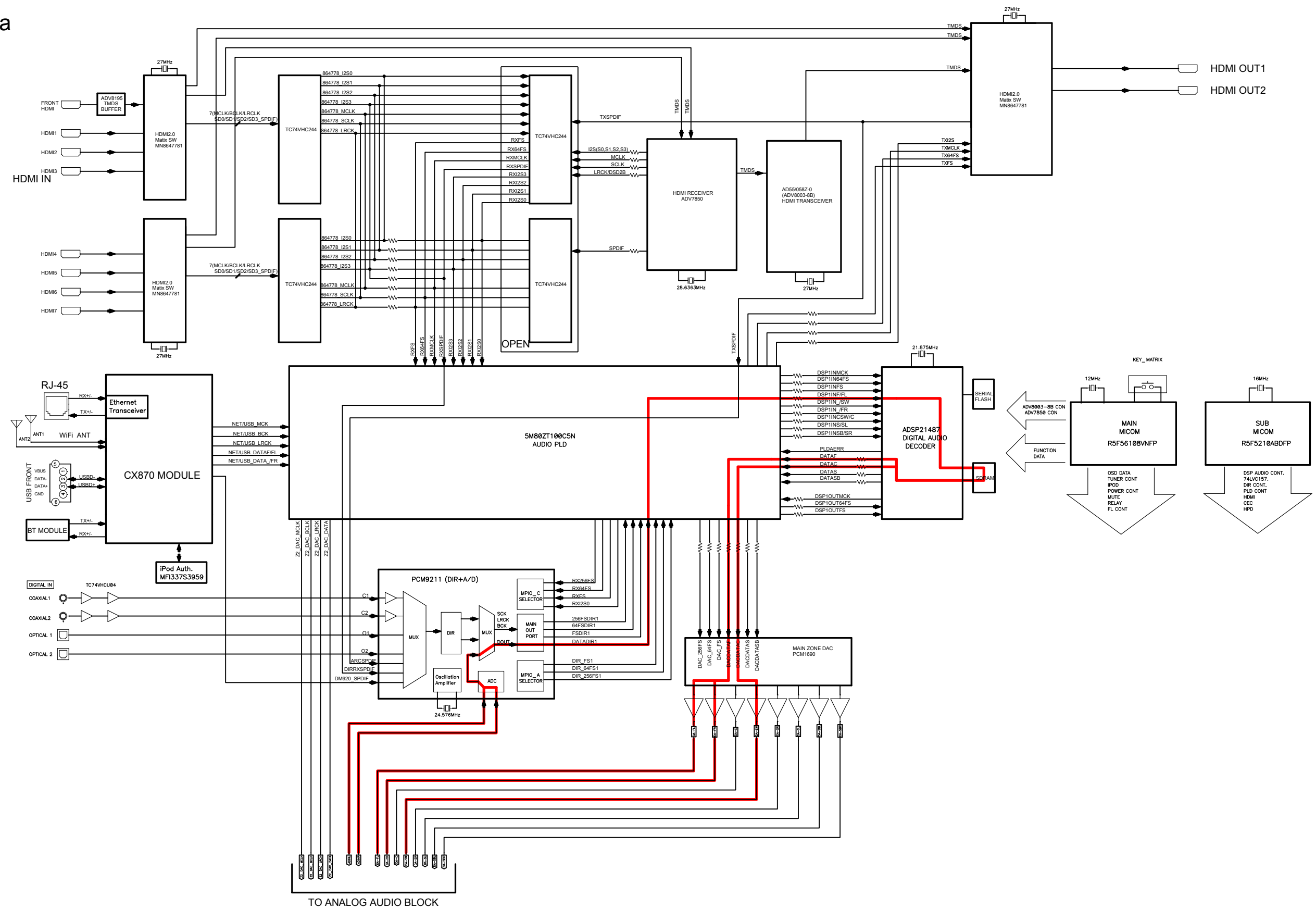


fig.11b

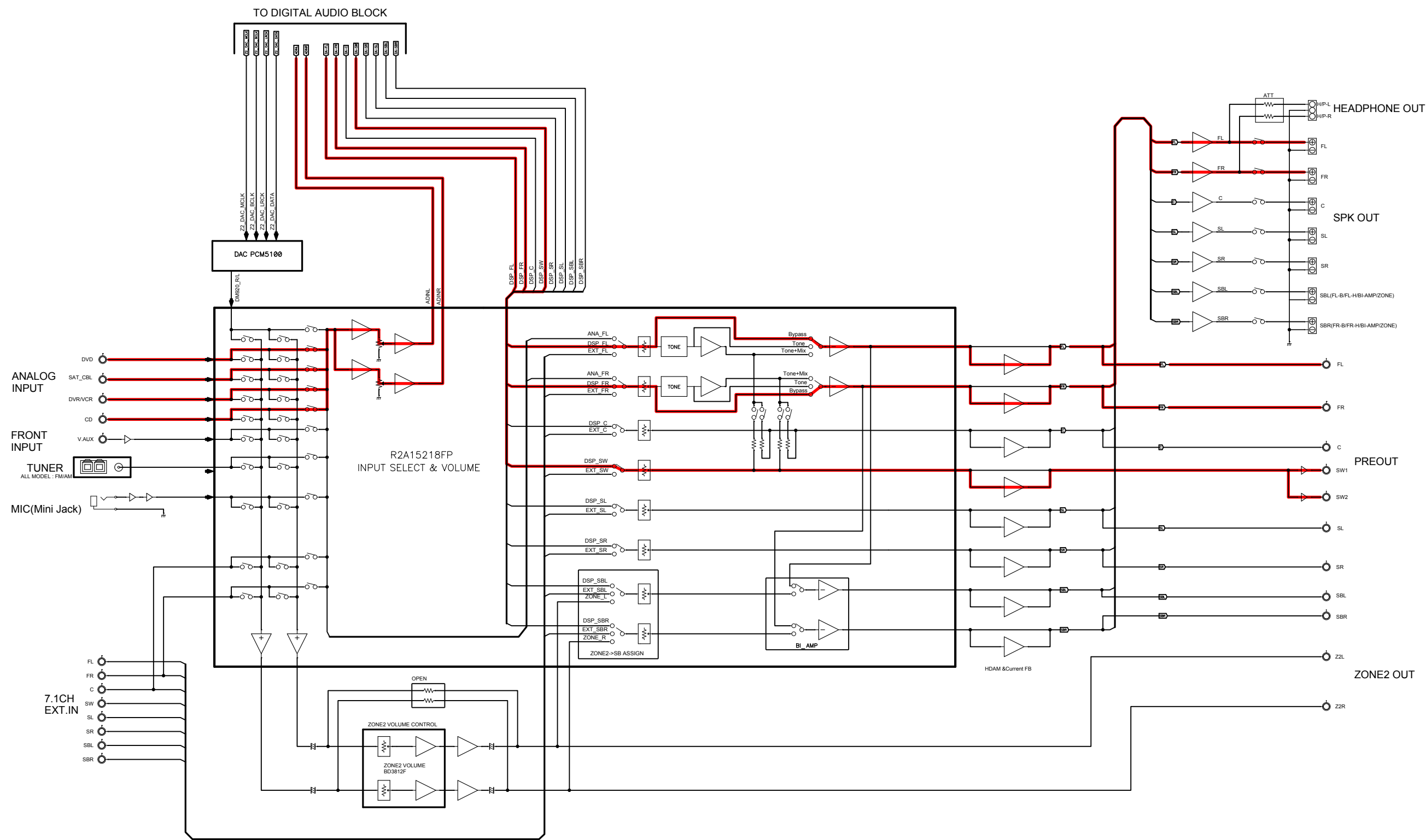


fig.12

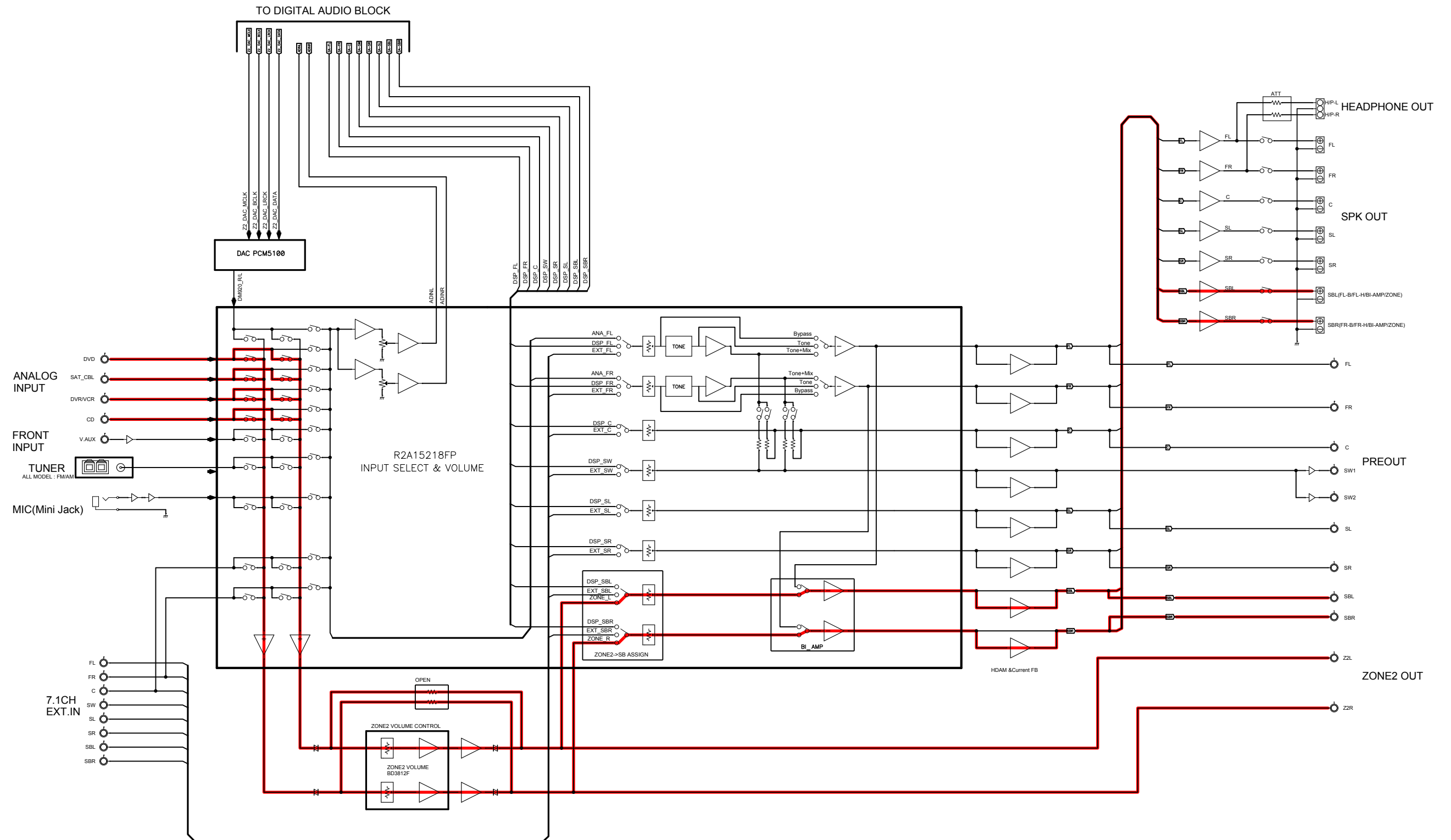


fig.13

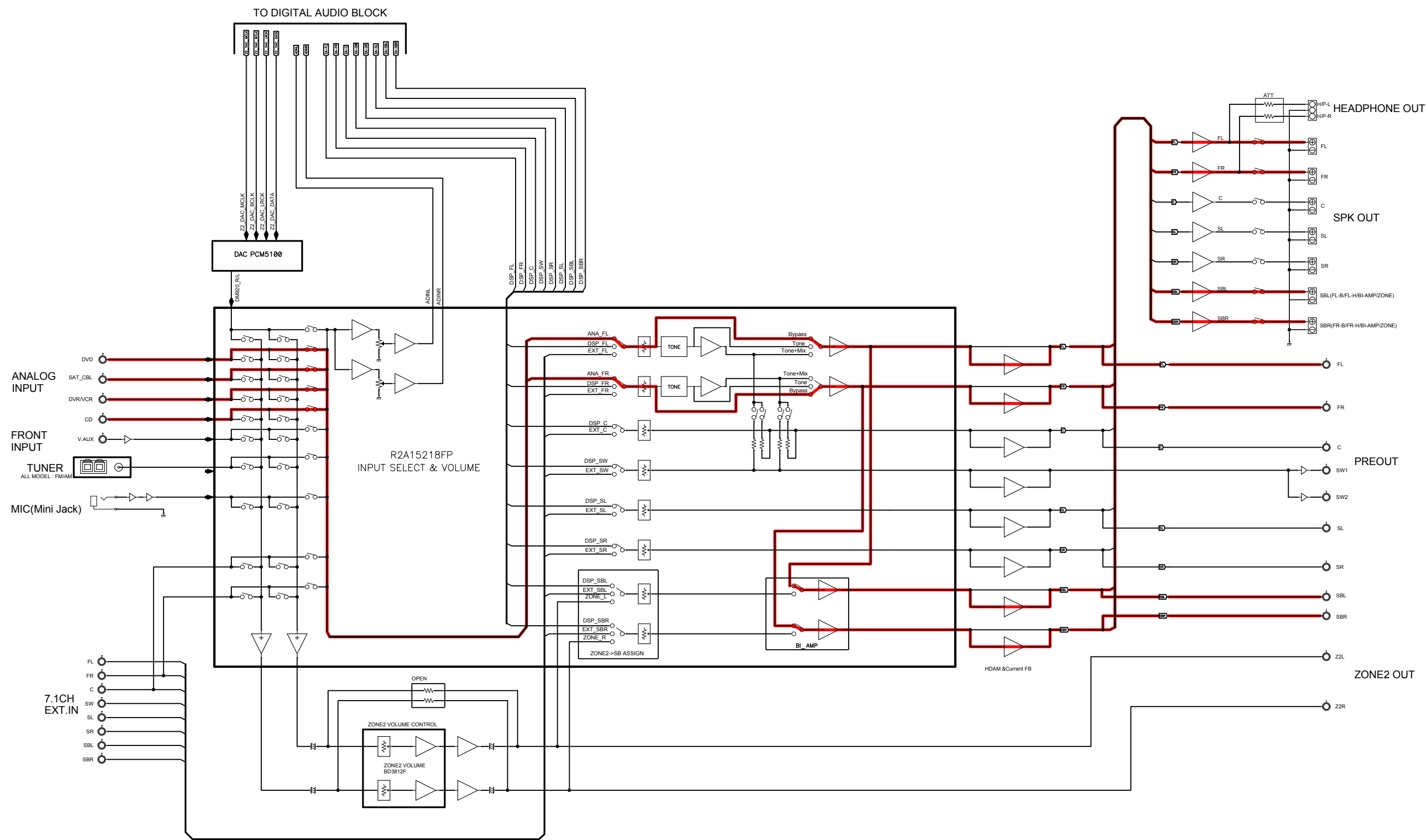


fig.14a

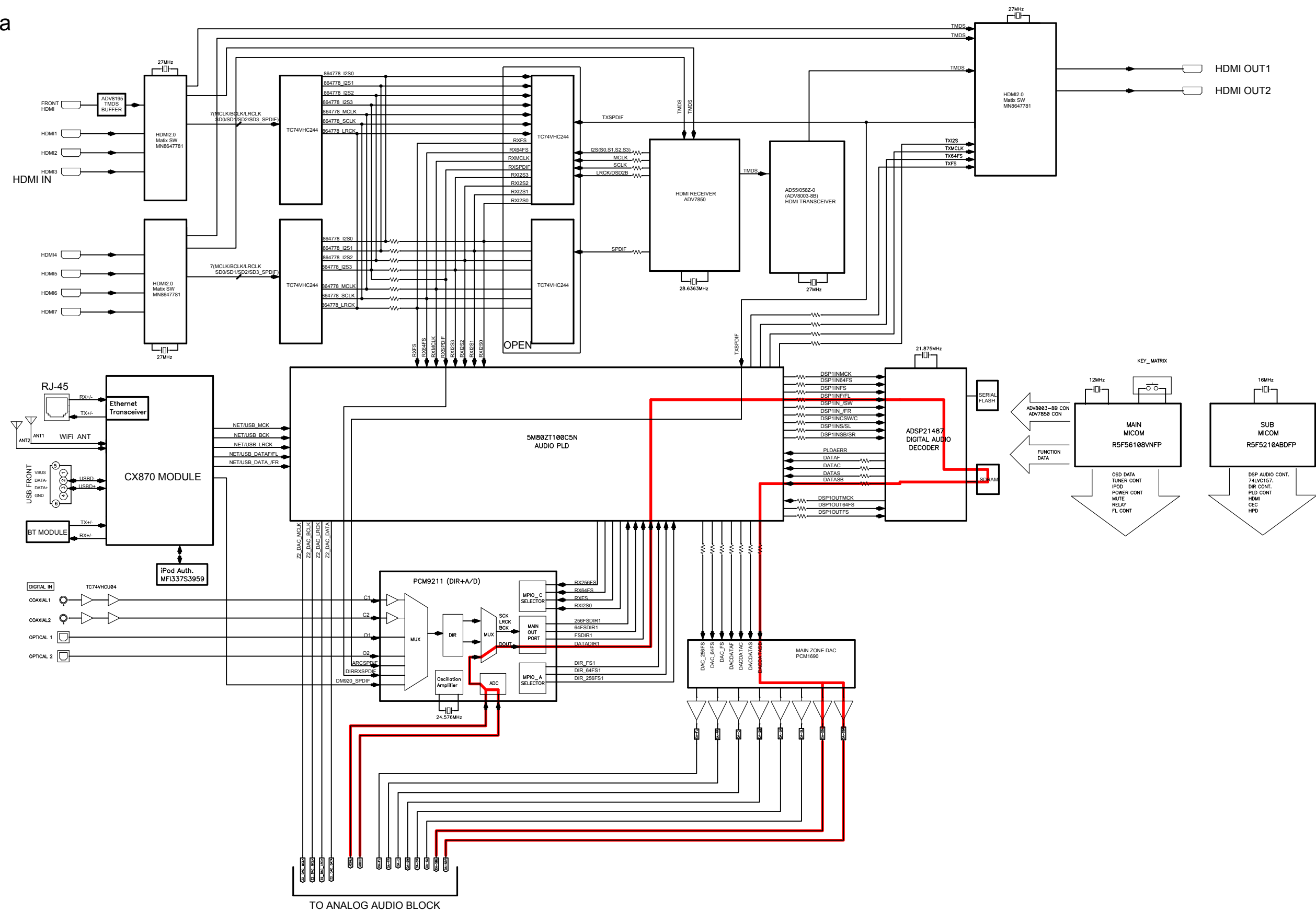
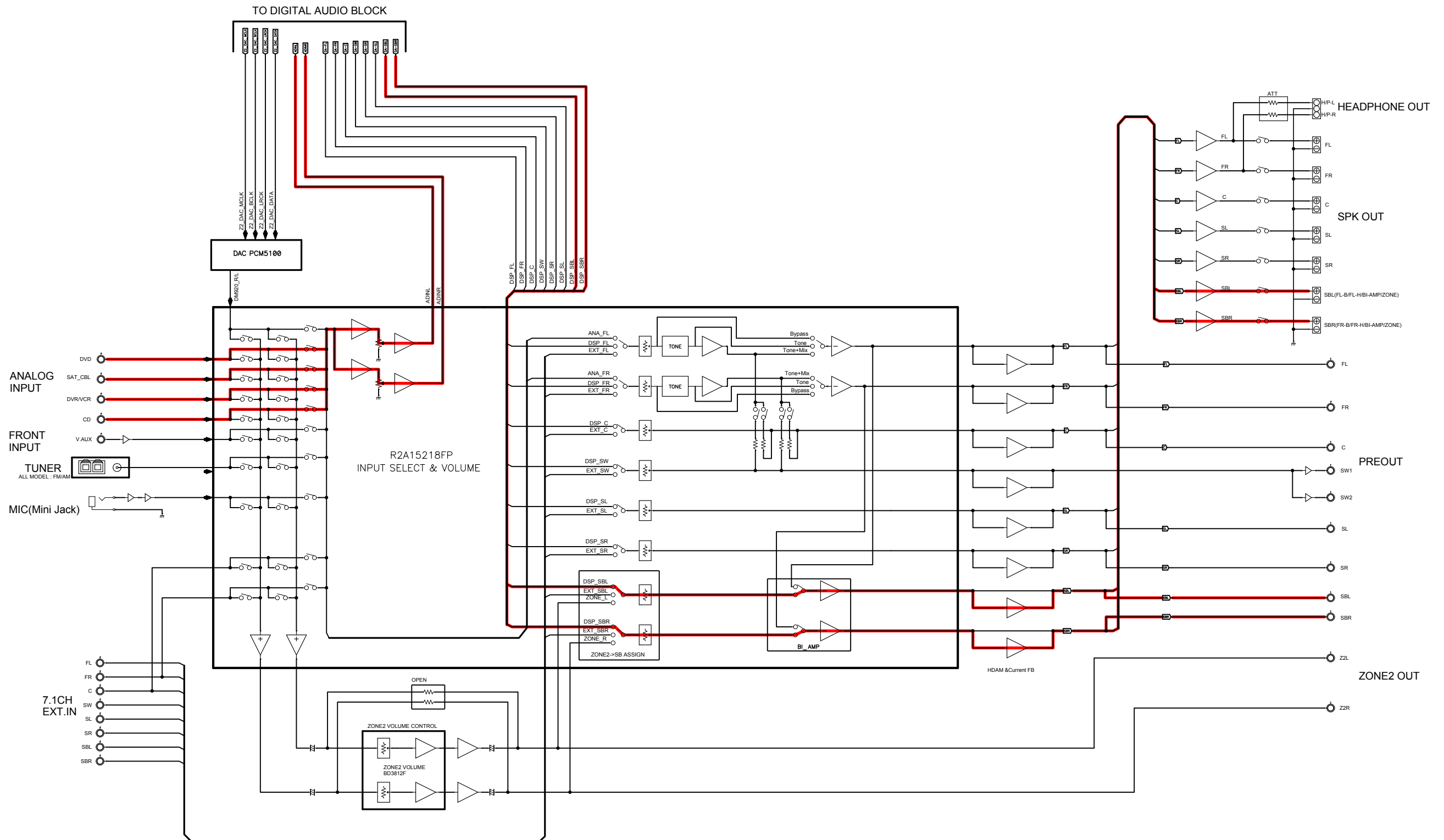


fig. 14b



3.5. Protection History Display Mode

3.5.1. Actions

This mode records and displays an event in which the THERMAL, ASO or DC protection was activated.
If protections have been activated multiple times, the latest protection operation is recorded.

3.5.2. Starting up

Hold down buttons "ZONE2 SOURCE" and "STATUS" at the same time and press the power button to turn on the power.
Select the "2. PROTECTION" using the button "TUNER PRESET CH+ / -", and press the button "STATUS" to commit the selection.

3.5.3. Protection information and displays

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

(1) If no protections have occurred.

FLD	L1	:	P	R	O	T	E	C	T	
	L2	:	H	I	S	T	O	R	Y	
	L3	:	N	O						

(2) ASO / DC (if the last protection was ASO / DC)

FLD	L3	:	A	S	O					
FLD	L3	:	D	C						

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

Abnormal DC output from the power amp.

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

If the power is turned on during this abnormality, protection is activated after around 6 seconds and the power is turned off.

(4) THERMAL (if the last protection was THERMAL(A) or THERMAL(B) or THERMAL(E))

FLD	L3	:	T	H	M	A				
FLD	L3	:	T	H	M	B				
FLD	L3	:	T	H	M	E				

Cause: Abnormal heat sink temperature.

If the power is turned on during this abnormality, protection is activated after around 2 minutes and the power is turned off.

(4) Case of CURRENT (when the last protection incident was CURRENT protection)

FLD	L3	:	C	U	R	R	E	N	T	
-----	----	---	---	---	---	---	---	---	---	--

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

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

3.5.4. Clearing the Protection History

There are two ways to clear the protection history.

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

FLD	L1	P	R	O	T	E	C	T	
	L2		H	I	S	T	O	R	Y
	L3	=	D	C					

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

FLD	L3		C	L	E	A	R		
-----	----	--	---	---	---	---	---	--	--

The above is displayed and the protection history is cleared.

FLD	L3	=	N	O					
-----	----	---	---	---	--	--	--	--	--

- (2) Initialize this unit. ("See "**Initializing This Unit**"[10 page](#))

※ Use the method in 3.5.3.(1) if you do not want to erase your settings from this unit.

Warning Displays by POWER LED

If the power is turned off while a protection is detected, the POWER LED (red) flashes in the following ways as a warning according to the protection status.

- (1) ASO/DC protection: Flashes in 0.5-second cycles (0.25 seconds lit, 0.25 seconds unlit)
- (2) THERMAL (A/B) protection: Flashes in 2-second cycles (1 second lit, 1 second unlit)

3.6. 232C Standby Clear Mode

3.6.1. Actions

232C Standby Clear Mode :

Switches from 232C standby mode to normal standby mode.

Starting up

Press the "**STATUS**" button during the following display to switch to normal standby mode.

FLD	L1	3	R	S	2	3	2	C	
	L2		R	E	S	E	T		
	L3								

3.6. Operation Info Mode

3.6.1. Actions

This mode displays the accumulated operating time, power on count and each protection count.

3.6.2. Starting up

Hold down buttons "ZONE2 SOURCE" and "STATUS" at the same time and press the power button to turn on the power. Select the "4. OP INFO" using the button "TUNER PRESET CH+ / -", and press the button "STATUS" to commit the selection.

3.6.3. Operations

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

(a) Accumulated operating time

FLD	L1	O	P	E	R	A	T	E	
	L2		T	I	N	E	:		
	L3								H

↑Time display
"STATUS"

(b) Power on count

FLD	L1	P	O	W	E	R		O	N
	L2		T	I	N	E	:		
	L3								

↑Count display
"STATUS"

(c) DC / ASO Protection count

FLD	L1	P	R	O	T	E	C	T	
	L2		D	C		:			
	L3		A	S	O	:			

"STATUS"

(d) Thermal Protection count

FLD	L1	P	R	O	T	E	C	T	
	L2	T	H		A	:			
	L3	T	H		B	:			
FLD	L2	T	H		E	:			
	L3								

"STATUS"

(e) Thermal Protection count

FLD	L1	P	R	O	T	E	C	T	
	L2	C	U	R	R	E	N	T	:
	L3								

"STATUS"

(Returns to normal display)

3.7. TUNER STEP mode

3.3.1. Actions

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

3.7.2. Starting up

Hold down buttons **"ZONE2 SOURCE"** and **"STATUS"** at the same time and press the power button to turn on the power. Select the **"5. TUNER FRQ SER"** using the button **"TUNER PRESET CH+ / -"**, and press the button **"STATUS"** to commit the selection.

3.7.3. Displays

Start this unit in TUNER STEP mode, select using button **"TUNER PRESET CH+/-"** and enter using button **"STATUS"**. The following information is displayed in the following order.

(a) AM9kHz/FM50kHz selected

FLD	L1	T	U	N	E	R	F	R	Q
	L2		A	M	9	/			
	L3				F	M	5	0	

"TUNER PRESET CH+" ↓

↑ "TUNER PRESET CH-"

(b) AM10KHz/FM200kHz selected

FLD	L1	T	U	N	E	R	F	R	Q
	L2		A	M	1	0	/		
	L3				F	M	2	0	0

↓ "STATUS"

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

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

4. Protection Pass Mode

4.1. Actions

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

4.2. Operations

Hold down buttons "**DIMMER**", "**STATUS**" and "**SOUND MODE**" at the same time and press the power button to turn on the power.

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

FLD	L1	P	r	o	t	e	c	t	
	L2		P	a	s	s			
	L3								

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

5. CX870 / CY920 Reboot mode

5.1. Actions

- The CX870 / CY920 is restarted after CX870 / CY920 hangup.
- The CX870 / CY920 can be restarted even in the network standby setting ("**Setup menu**" – "**Network**" – "**Network**" – "**Always On**").

5.2. Operations

1. Turn on the button "**MAIN ZONE**" and set NETWORK as the input source.
2. Hold down buttons "**TUNER PRESET CH +**" and "**STATUS**" for at least 3 seconds while the power is on.
3. FL display during CX870 / CY920 reboot

FLD	L1	N	e	t	w	o	r	k	
	L2	R	e	s	t	a	r	t	
	L3								

4. Returns to the normal display.

NOTE:

- The CX870 / CY920 Reboot operation is not accepted again for one minute after executing the reboot.
- Reception is prohibited during update, save and load.

6. CX870 / CY920 Initialization mode

6.1. Actions

The following items are initialized.

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

6.2. Operations

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

Initializing Display

FLD	L1	I	n	i	t	i	a	l	
	L2	W	a	i	t				
	L3								
FLD	L2	W	a	i	t	.			
FLD	L2	W	a	i	t	.	.		
FLD	L2	W	a	i	t	.	.	.	

Complete Display

FLD	L1	C	o	n	p	l	e	t	e
	L2								
	L3								

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

Failed Display

FLD	L1	F	a	i	l	e	d		
	L2								
	L3								

JIG FOR SERVICING

The following jigs (extension cable kit) are used when repairing the PCBs.
Order the jigs from your dealer if necessary.

CAUTION : Incorrect connections may cause malfunction.

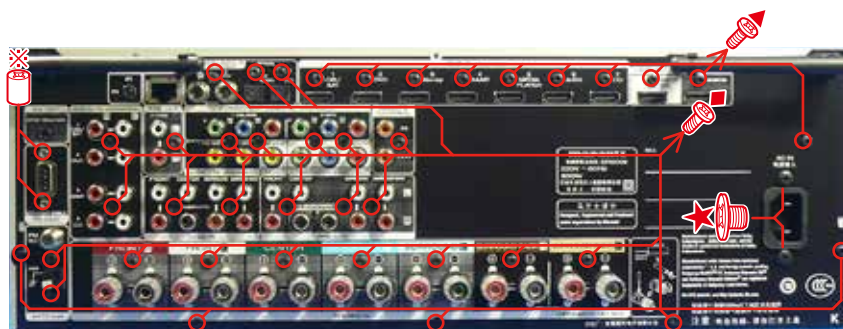
• Connection of Jig for HDMI PCB

-Items to Be Prepared-

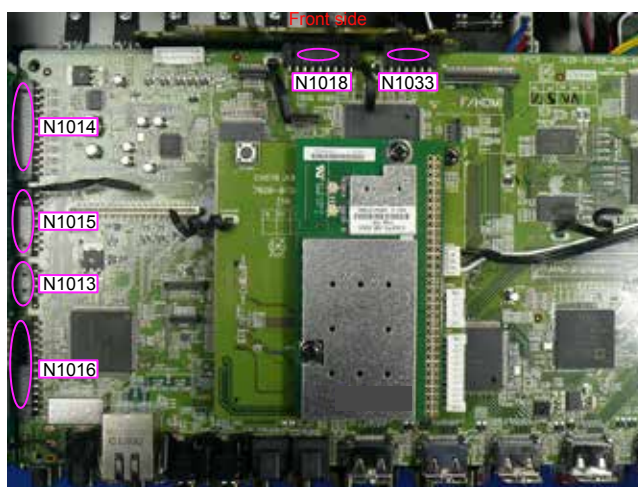
8U- 110084S	:	EXTENSION UNIT KIT	:	1 Set
8U- 110136S	:	EXTENSION UNIT KIT	:	1 Set
Insulation sheet (Not supplied)	:	3 sheet		
Ground lead (Not supplied)	:	3 pc		

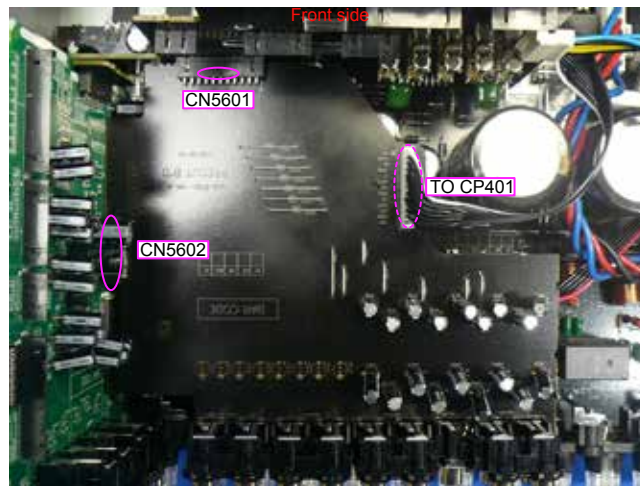
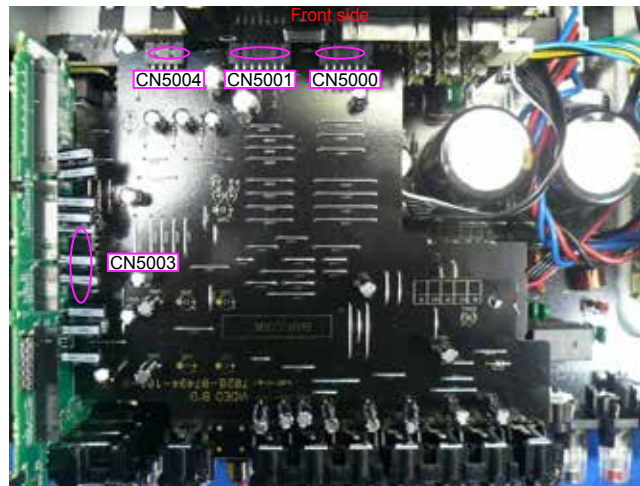
-Procedures-

(1) Remove the screws.

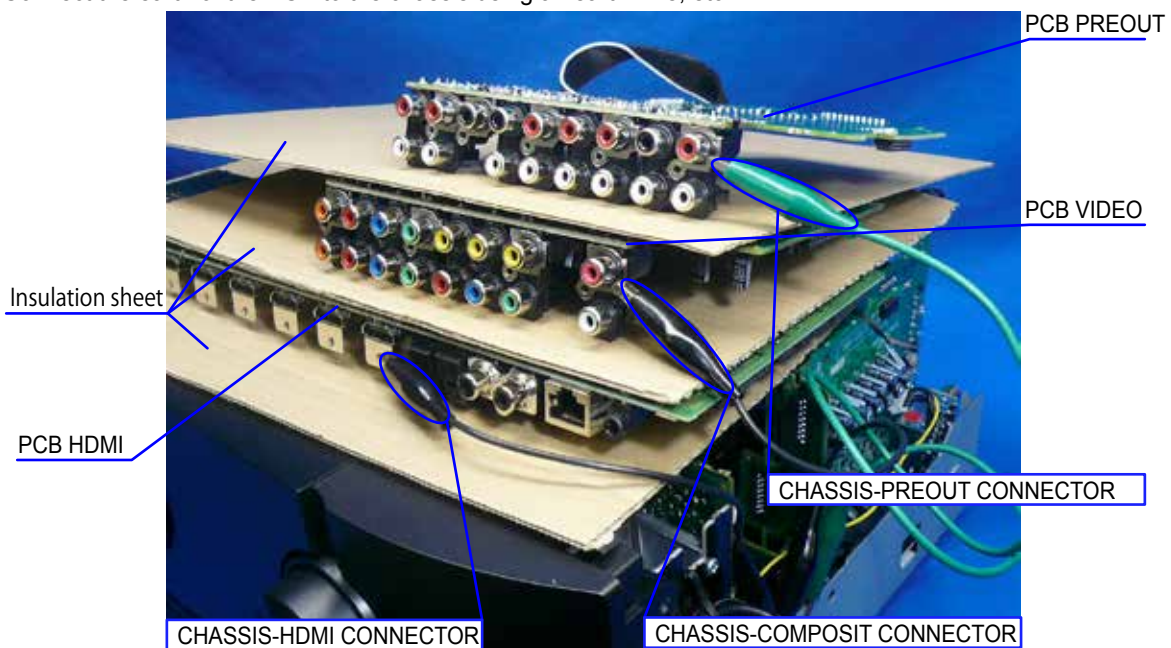


(2) Remove the connector PCB.

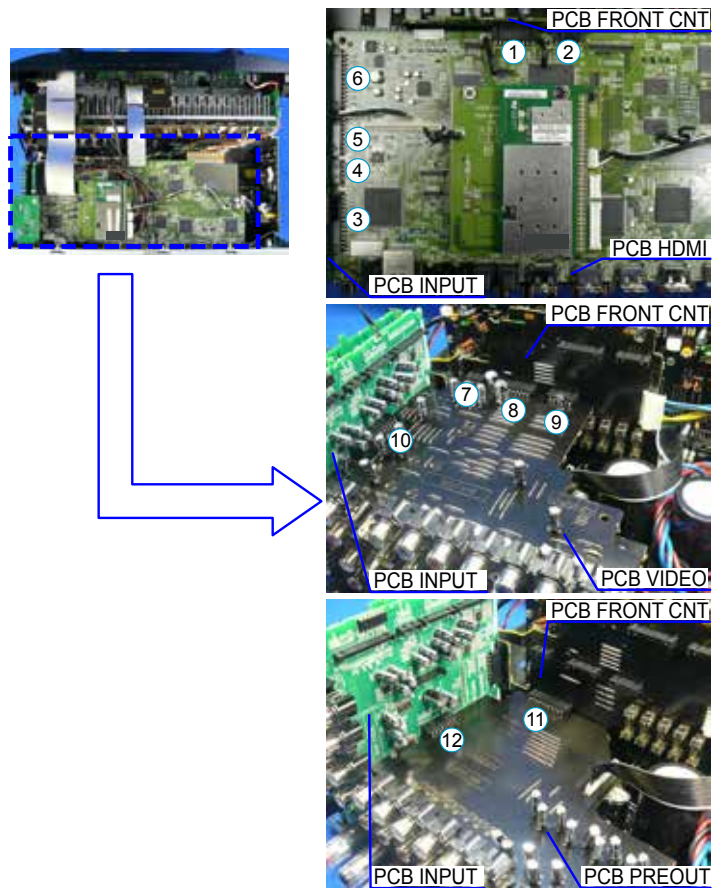




- (3) Remove the HDMI PCB from the chassis and turn it over.
Place an insulation sheet larger than the PCB underneath the HDMI PCB.
※ Connect the earth of the PCB to the chassis using an earth wire, etc.



(4) Connect the expansion cables.



Connection table of Board to Board

No.	Pin	Ref. No.	PCB		Ref. No.	PCB
①	17pin	CP3404	FRONT CNT	↔	N1018	HDMI
②	11pin	CP3401	FRONT CNT	↔	N1033	HDMI
③	23pin	CP4200	INPUT	↔	N1016	HDMI
④	7pin	CP4203	INPUT	↔	N1013	HDMI
⑤	15pin	CP4205	INPUT	↔	N1015	HDMI
⑥	23pin	CP4201	INPUT	↔	CN1014	HDMI
⑦	7pin	CP5004	FRONT CNT	↔	CN5004	VIDEO
⑧	13pin	CP5001	FRONT CNT	↔	CN5001	VIDEO
⑨	11pin	CP5000	FRONT CNT	↔	CN5000	VIDEO
⑩	17pin	CP4204	INPUT	↔	CN5003	VIDEO
⑪	21pin	CP3403	FRONT CNT	↔	CN5601	PREOUT
⑫	15pin	CP4202	INPUT	↔	CN5602	PREOUT

PROCEDURE AFTER REPLACING THE MICROPROCESSOR, ETC.

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

PCB Name	Ref. No.	Description	Procedure after Replacement	Remark
HDMI	U1018	R5F56108VNFP 32BIT	B	SOFTWARE: Main
HDMI	U1020	R5F5210ABDFP	B	SOFTWARE: Sub
HDMI	U1025	MX25L1606EM2I-12G 16M	B	SOFTWARE: DSP ROM
HDMI	U1027	MX25L12835FMI-10G 128M	B	SOFTWARE: GUI ROM
HDMI	U1041	5M80ZT100C5N TQFP100	B	SOFTWARE: AUDIO PLD
HDMI	U1045	5M80ZT100C5N TQFP100	B	SOFTWARE: VIDEO PLD

Procedure after Replacement

A : The software has been written. The software is not written at the time of replacement.

B : The software has been written. The software may need to be rewritten by version updates. Check the version.

C : The software has not been written. The software needs to be written after replacement.

See "**Firmware Update Procedure**" for information on writing the software.

D : The software has been written. Be sure to rewrite with the latest software for your service region.

See "**Firmware Update Procedure**" for information on writing the software.

FIRMWARE UPDATE PROCEDURE

1. Updating by USB

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

1.1. Connecting to the USB Memory

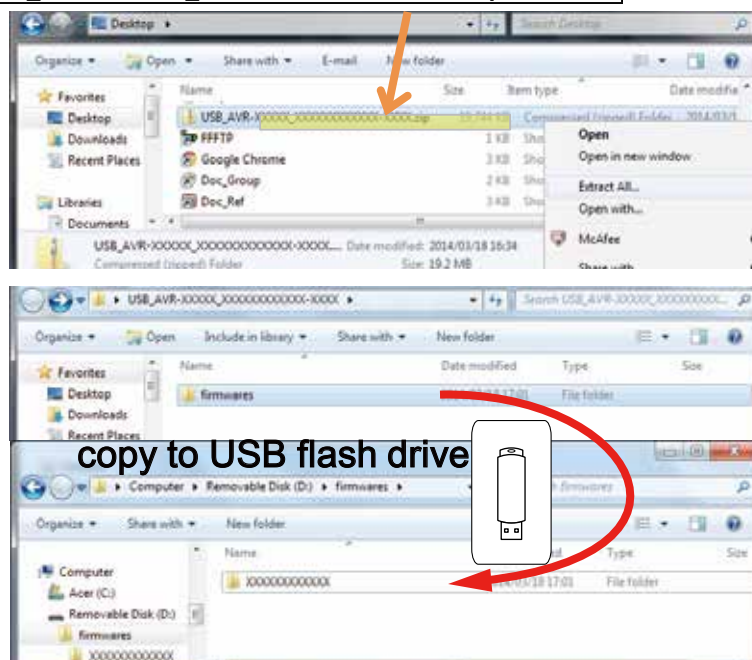
(1) Preparation

- USB format: Prepare a USB memory formatted in FAT16 or FAT32.
- Do not run the USB memory through a hub.
- Do not connect a computer to the USB port of this unit using a USB cable.
- Do not use an extension cable when connecting the USB unit.

1.2. Unzip Download File

Unzip the downloaded file on your computer.

SRXXXXXXX USB_SRXXXXXXX_XXXXXXXXXXXX-XXXX.zip



You can find "**firmwares**" folder after unzipped.

Copy that folder to USB flash drive.

You have to put "**firmwares**" folder on root directly on USB flash drive(memory).

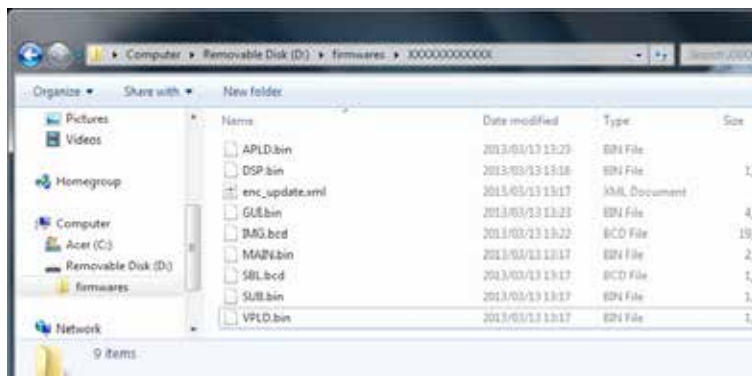
1.3. File structure on USB Memory

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

USB memory root

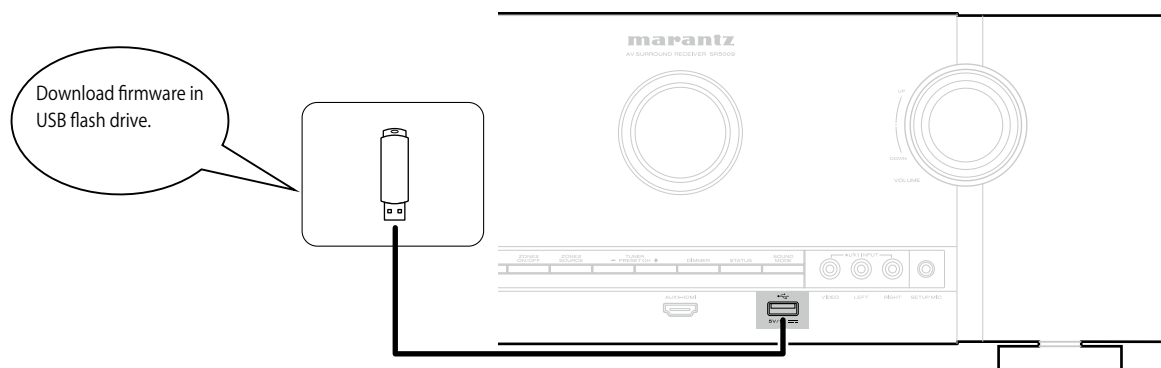
Model Name	Model Area	Product ID
SR5009U	North America (U)	100100250100
SR5009N	Europe (N)	100100250200
SR5009K	China (K)	100100250500

- + firmwares
 - + 000100XXXXXX
 - + APLD.bin
 - + DSP.bin
 - + enc_update.xml
 - + GUI.bin
 - + IMG.bcd
 - + MAIN.bin
 - + SBL.bcd
 - + SUB.bin
 - + VPLD.bin



1.4. Insert the USB memory in the USB port.

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



1.5. Start the update.

Hold down buttons "TUNER PRESET CH +" and "STATUS" at the same time and press the power button to turn on the power.

1.6. Display during USB update

The following message appears on the display after around 30 seconds

Display

FLD	L1	U	S	B		U	P	d	t
	L2		S	t	a	r	t		
	L3								

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

Then start Firmware Update.

Display

FLD	L1	U	P	d	a	t	e		
	L2	F	i	l	e				
	L3	C	h	e	c	k			

1.8. The firmware update finishes.

The following message appears on the display:

Display

FLD	L1	U	P	d	a	t	i	n	g
	L2	C	o	m	p	l	e	t	e
	L3								

--- Precautions for Updates ---

- Never remove the USB memory before the update is finished.
 - Never turn off the power before an update is completed.
 - It takes around 1 hour to complete the update.
- Once an update is started, normal operations cannot be performed until it is completed.
The GUI menu settings and image adjustment settings of this unit may be initialized.
Take note of your settings beforehand and reconfigure them after the update.

1.9 Forced USB All Device Write Mode

1.9.1. Actions

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

1.9.2. Operations

Press the "TUNER PRESET CH +" and "STATUS" buttons simultaneously while inserting the AC plug to turn the power on.

1.9.2. The firmware update finishes.

The update after the restart, all devices will be updated.

1.10.About the error code

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

Error Code	Details of Error code	Display	Coping strategies
01	Unable to detect USB.	ConnectionFail1 01	Disconnect and connect the USB memory.
02	No Firmware File in USB.	FilesNotFound 02	Make sure that the Firmware File is in the USB memory.
03	Firmware File in USB for unsupported Model name/area.	NotMatchFirm 03	Check the supported Model name/area for the Firmware File.
04	Failed to obtain individual Firmware information.	ConnectionFail 06	Start the USB Update again.
05	Time Out while obtaining individual Firmware information.	ConnectionFail 07	Start the USB Update again.
06	Failed to obtain entire Firmware information.	ConnectionFail 04	Start the USB Update again.
07	Time Out while obtaining entire Firmware information.	ConnectionFail 05	Start the USB Update again.
08	Error notification received while requesting Firmware Info.	ConnectionFail 08	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
09	Time Out while obtaining Firmware information.	ConnectionFail 09	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
0A	Unable to detect USB for Firmware Download.	ConnectionFail 0A	Disconnect and connect the USB memory.
0B	No Firmware File for Firmware Download.	FilesNotFound 0B	Disconnect and connect the USB memory.
0D	Received value with invalid Package Version.	ConnectionFail 0D	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
10	No Update Packet received from CX870 (Time Out).	Updating fail 10	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
11	Abnormal data in Update Packet received from CX870 (CRCError).	Updating fail 11	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
12	Abnormal data in Update Packet received from CX870 (PacketNo-Error).	Updating fail 12	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
13	Block Erase failed before rewriting Main.	Erase fail 13	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
14	Block Write failed while rewriting Main.	Updating fail 14	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
15	Error in Verify after rewriting Main (Check Sum Error).	UpdateCheckNG 15	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
16	Setup failure of the transfer method of XModem.	Updating fail 16	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
20	Unable to detect USB after SBL Mode.	ConnectionFail 20	Disconnect and connect the USB memory.
21	No Firmware File in USB after SBL Mode.	FilesNotFound 21	Disconnect and connect the USB memory.
22	Firmware File in USB after SBL Mode for unsupported Model name/area.	NotMatchFirm 22	Check the supported Model name/area for the Firmware File.
23	Failed to obtain entire Firmware information after SBL Mode.	ConnectionFail 23	Disconnect and connect the USB memory.
24	Time Out while obtaining entire Firmware information after SBL Mode.	ConnectionFail 24	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
25	Failed to transit to SBL Mode.	ConnectionFail 25	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
26	Time Out in Download (writing to SDRAM) for Firmware Download.	Download fail 26	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
27	Failed to write to EEPROM after SBL Mode.	ConnectionFail 27	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
36	Unable to detect USB.	ConnectionFail 36	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
37	No Firmware File in USB.	FilesNotFound 37	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
38	Firmware File in USB for unsupported Model name/area.	NotMatchFirm 38	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
39	Time Out in USB Check.	ConnectionFail 39	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
3A	Unable to detect USB for Firmware Download.	ConnectionFail 3A	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
3B	No Firmware File for Firmware Download.	FilesNotFound 3B	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
3C	Error notification received while requesting Firmware Info.	Updating fail 3C	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
3D	Time Out while obtaining Firmware information.	Updating fail 3D	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
3F	Failed to transit to SBL Mode.	ConnectionFail 3F	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
50	Unable to detect USB.	ConnectionFail 50	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
51	No Firmware File in USB.	FilesNotFound 51	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
52	Firmware File in USB for unsupported Model name/area.	NotMatchFirm 52	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
54	Error notification received while requesting Firmware Info.	Updating fail 54	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
55	Time Out while obtaining Firmware information.	Updating fail 55	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
56	Unable to detect USB for Firmware Download.	ConnectionFail 56	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
57	No Firmware File for Firmware Download.	FilesNotFound 57	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
5A	Invalid DeviceID in response or no response from Sub for C command.	Connection Fail 5A	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
5B	NACK received in response or no response from Sub for L command.	Updating fail 5B	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
5C	No Update Packet received from CX870 (Time Out).	Updating fail 5C	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
5D	Abnormal data in Update Packet received from CX870 (CRCError).	Updating fail 5D	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
5E	Abnormal data in Update Packet received from CX870 (PacketNo-Error).	Updating fail 5E	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
5F	Setup failure of the transfer method of XModem.	Updating fail 5F	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
60	NACK received in response or no response from Sub for P command.	Updating fail 60	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
61	Mismatched Check Sum in response or no response from Sub for I command.	Update CheckNG 61	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
62	Failed to start up Sub in Power On sequence during Update.	Updating fail 62	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
63	Failed to transit to Application Mode.	Updating fail 63	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
64	Failed to transit to Boot Loader Mode.	Updating fail 64	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
80	Write Enable Latch Bit not set in Read after issuing WREN command.	Updating fail 80	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
81	Block Erase failed in Read after issuing BE command.	Updating fail 81	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
82	No Update Packet received from CX870 (Time Out).	Updating fail 82	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
83	Abnormal data in Update Packet received from CX870 (CRCError).	Updating fail 03	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
84	Abnormal data in Update Packet received from CX870 (PacketNo-Error).	Updating fail 04	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
85	Abnormal data in Update Packet received from CX870 (Data-Length/DataNo).	Updating fail 05	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
86	Mismatched Check Sum in Check Sum comparison after rewriting.	Updating fail 06	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
A2	Unable to detect USB.	Connection fail A2	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
A3	No Firmware File in USB.	Files Not Found A3	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
A4	Firmware File in USB for unsupported Model name/area.	Not match Firm A3	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
A6	Error notification received while requesting Firmware Info.	Updating fail A6	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
A7	Time Out while obtaining Firmware information.	Updating fail A7	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
AE	Unable to detect USB for Firmware Download.	Connection fail AE	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
AF	No Firmware File for Firmware Download.	Files Not Found AF	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
B1	Time Out in Download (writing to SDRAM) for Firmware Download.	Downloaded fail B1	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
B2	Error notification received after rewriting CX870 Firm.	Updating fail B2	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
B3	Error in Firmware Update (Time Out).	Updating fail B3	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
B4	Failed to transit to BootLoader Mode.	Updating failed B4	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.
B5	Failed to transit to Application Mode.	Updating failed B5	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation" button for five seconds.

---Check the firmware version after updating.---

After updating the firmware, check the version. See "1. Version Display Mode" (20 page).

1.11. Device display during firmware update

Display of target device during firmware update.

Target device	Display	Error code when an error occurs
Main CPU	FLD L1 Main FLD L2 ***min FLD L3 ***%	08 - 0B 10 - 15 20 - 27 36 - 3B 3F
Sub	FLD L1 SUB	50 - 52 54 - 58 5A - 64
Audio PLD	FLD L1 APLD	50 - 52 54 - 58 5A - 64
VIDEO PLD	FLD L1 VPLD	50 - 52 54 - 58 5A - 64
DSP	FLD L1 DSP	50 - 52 54 - 58 5A - 64
GUI Serial Flash	FLD L1 GUI	50 - 52 54 - 58 5A 62 - 64 80 - 86
CX870 Boot Loader	FLD L1 ESBL	A0 - A4 A6 - A7 AE - B5
CX870 Image	FLD L1 EIMG	A0 - A4 A6 - A7 AE - B5
CX870 Image (Emergency Mode)	FLD L1 Update FLD L2 Retry FLD L3	—

Checking the Firmware Version After an Update

After updating the firmware, check the version. See "1. Version Display Mode" (20 page).

2. Updating by DPMS

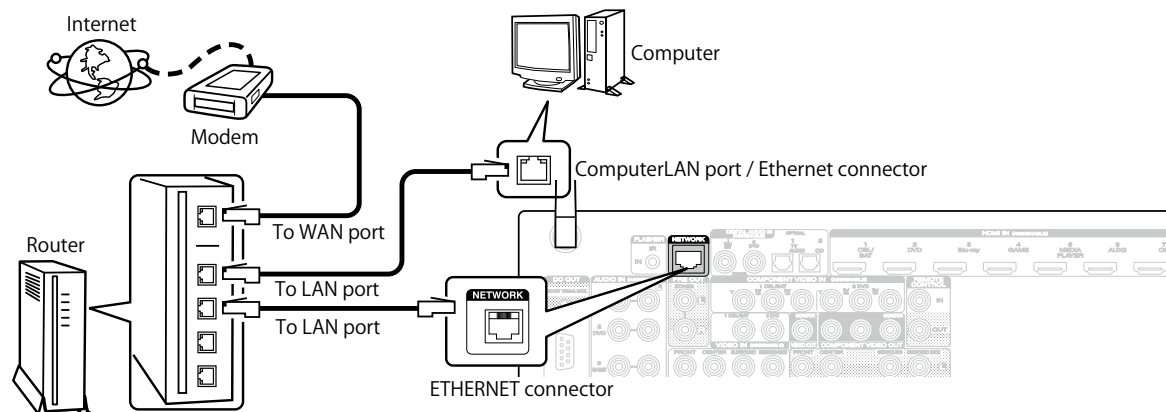
Download the latest firmware from the internet and update the firmware.

2.1. Network Connection

(1) System Requirements

- A broadband internet connection
- Modem
- Router
- Ethernet cable (CAT-5 or greater recommended)

(2) Settings



2.2. Check and update the firmware

Check whether new firmware is available. It is also possible to check approximately how long the update will take.

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

--- Precautions for Updates ---

- The environment and settings must allow connection to broadband Internet for updates.
- Never turn off the power before an update is completed.
- It takes around 1 hour to complete the update.

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

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

Take note of your settings beforehand and reconfigure them after the update.

2.3. About the error code

See the following table for details on the error code, details of the error code, display and coping strategies when updating the firmware from DPMS. (DPMS:Marantz Product Management Server).

Error Code	Details of Error code	Display	Coping strategies
01	Failed to log in to DPMS.	Login failed 01	Initialize the unit and try updating again. Update in an environment where there is a small network load.
02	Line etc. is congested when logging in to DPMS.	Server is busy 02	Update in an environment where there is a small network load.
03	Connection to DPMS failed.	ConnectionFailed 03	Check the network connection. Update in an environment where there is a small network load.
04	Failed to obtain individual Firmware information.	ConnectionFailed 06	Check the network connection. Update in an environment where there is a small network load.
05	Time Out while obtaining individual Firmware information.	ConnectionFailed 07	Check the network connection. Update in an environment where there is a small network load.
06	Failed to obtain entire Firmware information.	ConnectionFailed 04	Check the network connection. Update in an environment where there is a small network load.
07	Time Out while obtaining entire Firmware information.	ConnectionFailed 05	Check the network connection. Update in an environment where there is a small network load.
08	Error notification received while requesting Firmware Info.	ConnectionFailed 08	Check the network connection. Update in an environment where there is a small network load.
09	Time Out while obtaining Firmware information.	ConnectionFailed 09	Check the network connection. Update in an environment where there is a small network load.
0A	Error(NG) notification received while requesting Firmware Download.	Download failed 0A	Check the network connection. Update in an environment where there is a small network load.
0B	Error(ServerBusy) notification received while requesting Firmware Download.	Download failed 0B	Check the network connection. Update in an environment where there is a small network load.
0C	Error(Connect failure) notification received while requesting Firmware Download.	Download failed 0C	Check the network connection. Update in an environment where there is a small network load.
0D	Received value with invalid Package Version.	ConnectionFailed 0D	Check the network connection. Update in an environment where there is a small network load.
0E	Connection to DPMS failed. (Cannot get NTP)	ConnectionFailed 0E	Check the network connection. Update in an environment where there is a small network load.
10	No Update Packet received from CX870 (Time Out).	Updating failed 10	Turn on the power again. Update will start automatically.
11	Abnormal data in Update Packet received from CX870 (CRCError).	Updating failed 11	Turn on the power again. Update will start automatically.

Error Code	Details of Error code	Display	Coping strategies
12	Abnormal data in Update Packet received from CX870 (PacketNo-Error).	U p d a t i n g f a i l 12	Turn on the power again. Update will start automatically.
13	Block Erase failed before rewriting Main.	E r a s e f a i l 13	Turn on the power again. Update will start automatically.
14	Block Write failed while rewriting Main.	U p d a t i n g f a i l 14	Turn on the power again. Update will start automatically.
15	Error in Verify after rewriting Main (Check SumError).	U p d a t e C h e c k N G 15	Turn on the power again. Update will start automatically.
16	Setup failure of the transfer method of XModem.	U p d a t i n g f a i l 16	Check the network connection. Update in an environment where there is a small network load.
20	SBL Mode after IP Address acquisition failure (AutoIP).	C o n n e c t i o n F a i l 20	Check the network connection. Update in an environment where there is a small network load.
21	SBL Mode after IP Address acquisition failure (Time Out).	C o n n e c t i o n F a i l 21	Check the network connection. Update in an environment where there is a small network load.
22	Login incorrect notification SBL Mode after DPMS connection.	L o g i n f a i l e d 22	Initialize the unit and try updating again. Update in an environment where there is a small network load.
23	Server congestion notification SBL Mode after DPMS connection.	S e r v e r i s b u s y 23	Update in an environment where there is a small network load.
24	Connection failure notification SBL Mode after DPMS connection.	C o n n e c t i o n F a i l 24	Check the network connection. Update in an environment where there is a small network load.
25	Failed to transit to SBL Mode.	C o n n e c t i o n F a i l 25	Initialize the unit and try updating again.
26	Error in Firmware Download (Time Out).	D o w n l o a d f a i l 26	Check the network connection. Update in an environment where there is a small network load.
27	Failed to write to EEPROM after SBL Mode.	D o w n l o a d f a i l 27	Initialize the unit and try updating again.
36	Login incorrect notification DPMS connection.	L o g i n f a i l e d 36	Update in an environment where there is a small network load.
37	Server congestion notification by DPMS connection.	S e r v e r i s b u s y 37	Update in an environment where there is a small network load.
38	Connection failure notification DPMS connection.	C o n n e c t i o n F a i l 38	Check the network connection. Update in an environment where there is a small network load.

Error Code	Details of Error code	Display	Coping strategies
39	Connect Time Out by DPMS connection.	ConnectionFail 39	Check the network connection. Update in an environment where there is a small network load.
3A	Error(NG) notification received while requesting Firmware Download.	Download fail 3A	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
3B	Error(ServerBusy) notification received while requesting Firmware Download.	Download fail 3B	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
3C	Error(Connect failure) notification received while requesting Firmware Download.	Download fail 3C	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
3D	SBL Mode after IP Address acquisition failure (AutoIP).	ConnectionFail 3D	Check the network connection. Update in an environment where there is a small network load.
3E	SBL Mode after IP Address acquisition failure (Time Out).	ConnectionFail 3E	Check the network connection. Update in an environment where there is a small network load.
3F	Failed to transit to SBL Mode.	ConnectionFail 3F	Check the network connection. Update in an environment where there is a small network load.
50	Login incorrect notification DPMS connection.	Login failed 50	Update in an environment where there is a small network load.
51	Server congestion notification by DPMS connection.	Server is busy 51	Update in an environment where there is a small network load.
52	Connection failure notification DPMS connection.	ConnectionFail 52	Check the network connection. Update in an environment where there is a small network load.
54	Error notification received while requesting Firmware Info.	Updating fail 54	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
55	Time Out while obtaining Firmware information.	Updating fail 55	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
56	Error(NG) notification received while requesting Firmware Download.	Download fail 56	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
57	Error(ServerBusy) notification received while requesting Firmware Download.	Download fail 57	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
58	Error(Connect failure) notification received while requesting Firmware Download.	Download fail 58	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
5A	Invalid DeviceID in response or no response from Sub for C command.	ConnectionFail 5A	Turn on the power again. Update will start automatically.

Error Code	Details of Error code	Display	Coping strategies
5B	NACK received in response or no response from Sub for L command.	U p d a t e : n o f a i l 5 B	Turn on the power again. Update will start automatically.
5C	No Update Packet received from CX870 (Time Out).	U p d a t e : n o f a i l 5 C	Turn on the power again. Update will start automatically.
5D	Abnormal data in Update Packet received from CX870 (CRCErr).	U p d a t e : n o f a i l 5 D	Turn on the power again. Update will start automatically.
5E	Abnormal data in Update Packet received from CX870 (PacketNo-Error).	U p d a t e : n o f a i l 5 E	Turn on the power again. Update will start automatically.
5F	Setup failure of the transfer method of XModem.	U p d a t e : n o f a i l 5 F	Turn on the power again. Update will start automatically.
60	NACK received in response or no response from Sub for "P" command.	U p d a t e : n o f a i l 6 0	Turn on the power again. Update will start automatically.
61	Mismatched Check Sum in response or no response from Sub for "I" command.	U p d a t e C h e c k S u m 6 1	Turn on the power again. Update will start automatically.
62	Failed to start up Sub in Power On sequence during Update.	U p d a t e : n o f a i l 6 2	Turn on the power again. Update will start automatically.
80	Write Enable Latch Bit not set in Read after issuing WREN command.	U p d a t e : n o f a i l 8 0	Turn on the power again. Update will start automatically.
81	Block Erase failed in Read after issuing BE command.	U p d a t e : n o f a i l 8 1	Turn on the power again. Update will start automatically.
82	No Update Packet received from CX870 (Time Out).	U p d a t e : n o f a i l 8 2	Turn on the power again. Update will start automatically.
83	Abnormal data in Update Packet received from CX870 (CRCErr).	U p d a t e : n o f a i l 8 3	Turn on the power again. Update will start automatically.
84	Abnormal data in Update Packet received from CX870 (PacketNo-Error).	U p d a t e : n o f a i l 8 4	Turn on the power again. Update will start automatically.
85	Setup failure of the transfer method of XModem.	U p d a t e : n o f a i l 8 5	Turn on the power again. Update will start automatically.
86	Mismatched Check Sum in Check Sum comparison after rewriting.	U p d a t e : n o f a i l 8 6	Turn on the power again. Update will start automatically.
A0	IP Address acquisition failure (AutoIP).	C o n n e c t : o f f a i l A 0	Check the network connection. Update in an environment where there is a small network load.

Error Code	Details of Error code	Display	Coping strategies
A1	IP Address acquisition failure (Time Out).	ConnectionFail A1	Check the network connection. Update in an environment where there is a small network load.
A2	Login incorrect notification DPMS connection.	Login failed A2	Check the network connection. Update in an environment where there is a small network load.
A3	Server congestion notification by DPMS connection.	Server is busy A3	Check the network connection. Update in an environment where there is a small network load.
A4	Connection failure notification DPMS connection.	ConnectionFail A4	Check the network connection. Update in an environment where there is a small network load.
A6	Error notification received while requesting Firmware Info.	Updating fail A6	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
A7	Time Out while obtaining Firmware information.	Updating fail A7	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
AE	Error(NG) notification received while requesting Firmware Download.	Downloaded fail AE	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
AF	Error(ServerBusy) notification received while requesting Firmware Download.	Downloaded fail AF	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
B0	Error(Connect failure) notification received while requesting Firmware Download.	Downloaded fail B0	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
B1	Error in Firmware Download (Time Out).	Downloaded fail B1	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
B2	Error notification received after rewriting CX870 Firm.	Downloaded fail B2	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
B3	Error in Firmware Update (Time Out).	Updating fail B3	Turn on the power again. Update will start automatically. Update in an environment where there is a small network load.
B4	Failed to transit to Boot Loader Mode.	Updating fail B4	Initialize the unit and try updating again.
B5	Failed to transit to Application Mode.	Updating fail B5	Initialize the unit and try updating again.

Device display during firmware update

Display of target device during firmware update.

Target device	Display	Error code when an error occurs																												
Main CPU	<table><tr><td rowspan="3">FLD</td><td>L1</td><td>M</td><td>a</td><td>i</td><td>n</td><td></td><td></td><td></td><td></td></tr><tr><td>L2</td><td></td><td>*</td><td>*</td><td>*</td><td>n</td><td>i</td><td>n</td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td></td><td>*</td><td>*</td><td>%</td><td></td></tr></table>	FLD	L1	M	a	i	n					L2		*	*	*	n	i	n		L3					*	*	%		08 - 0C 10 - 15 22 - 24 36 - 3E
FLD	L1		M	a	i	n																								
	L2			*	*	*	n	i	n																					
	L3					*	*	%																						
Sub	<table><tr><td>FLD</td><td>L1</td><td>S</td><td>U</td><td>B</td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	S	U	B						50 - 52 54 - 58 5A - 64																		
FLD	L1	S	U	B																										
Audio PLD	<table><tr><td>FLD</td><td>L1</td><td>A</td><td>P</td><td>L</td><td>D</td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	A	P	L	D					50 - 52 54 - 58 5A - 61																		
FLD	L1	A	P	L	D																									
VIDEO PLD	<table><tr><td>FLD</td><td>L1</td><td>V</td><td>P</td><td>L</td><td>D</td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	V	P	L	D					50 - 52 54 - 58 5A - 64																		
FLD	L1	V	P	L	D																									
DSP	<table><tr><td>FLD</td><td>L1</td><td>D</td><td>S</td><td>P</td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	D	S	P						50 - 52 54 - 58 5A - 61																		
FLD	L1	D	S	P																										
GUI Serial Flash	<table><tr><td>FLD</td><td>L1</td><td>G</td><td>U</td><td>I</td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	G	U	I						50 - 52 54 - 58 5A - 61 80 - 86																		
FLD	L1	G	U	I																										
CX870 Boot Loader	<table><tr><td>FLD</td><td>L1</td><td>E</td><td>S</td><td>B</td><td>L</td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	E	S	B	L					A0 - A4 A6 - A7 AE - B5																		
FLD	L1	E	S	B	L																									
CX870 Image	<table><tr><td>FLD</td><td>L1</td><td>E</td><td>I</td><td>M</td><td>G</td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	E	I	M	G					A0 - A4 A6 - A7 AE - B5																		
FLD	L1	E	I	M	G																									
CX870 Image (Emergency Mode)	<table><tr><td rowspan="3">FLD</td><td>L1</td><td>U</td><td>p</td><td>d</td><td>a</td><td>t</td><td>e</td><td></td><td></td></tr><tr><td>L2</td><td>R</td><td>e</td><td>t</td><td>r</td><td>y</td><td></td><td></td><td></td></tr><tr><td>L3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	U	p	d	a	t	e			L2	R	e	t	r	y				L3									—
FLD	L1		U	p	d	a	t	e																						
	L2		R	e	t	r	y																							
	L3																													

Checking the Firmware Version After an Update

After updating the firmware, check the version.

See "1. Version Display Mode" ([20 page](#)).

ADJUSTMENT

Adjusting Idling Current

1. Preparation

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

2. Adjustment Procedure

- (1) Remove the top cover and turn VR401, VR402, VR403, VR404, VR405, VR406 and VR407 of the AMP UNIT as far anticlockwise(↺) as possible.
- (2) Connect the DC Voltmeter test points.

FRONT-Lch	: TP401
FRONT-Rch	: TP402
CENTER ch	: TP403
SURROUND-Lch	: TP404
SURROUND-Rch	: TP405
SURROUND-BACK Lch	: TP406
SURROUND-BACK Rch	: TP407
- (3) Connect the power cord to an outlet. Next, press the power button to turn on the power.
- (4) Set this unit as follows.

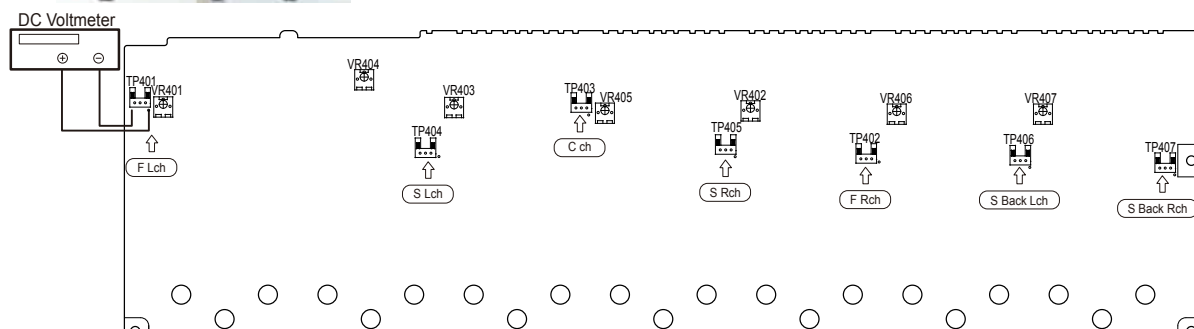
MASTER VOLUME	: "----" anticlockwise (↺ min.)
SPEAKER (Speaker terminal)	: No load

 (Do not connect equipment such as speakers or dummy resistors.)

MODE	: MCH STEREO
FUNCTION	: DVD
- (5) Turn VR401 clockwise (↻) and adjust the voltage of the test point to "**6.0mV ± 0.5mV DC**" within 2 minutes.
- (6) 10 minutes after the preliminary adjustment, turn VR401 and set the voltage as "**8.0mV ± 0.5mV DC**".
- (7) Adjust the variable resistance of each channel using the same method.



AMP UNIT



SURROUND MODES AND PARAMETERS

Sound modes and channel output

○ This indicates the audio output channels or surround parameters that can be set.

⊙ This indicates the audio output channels. The output channels depend on the settings of "Speaker Config." (p. 189).

Sound mode (p. 118)	Channel output					
	Front L/R	Center	Surround L/R	Surround back L/R	Front height L/R	Subwoofer
Direct/Pure Direct (2-channel)	○					⊙*3
Direct/Pure Direct (Multi-channel)	○	⊙	○	⊙*1	⊙*1	○
Stereo	○					○
Multi Ch In	○	○	○	⊙*1		○
Dolby Pro Logic IIz	○	○	○		○	○
Dolby Pro Logic IIx	○	○	○	○		○
Dolby Pro Logic II	○	○	○			○
DTS Neo:6	○	○	○	○		○
Dolby Digital	○	○	○		⊙*2	○
Dolby Digital Plus	○	○	○	⊙*1	⊙*1	○
Dolby TrueHD	○	○	○	⊙*1	⊙*1	○
DTS Surround	○	○	○	○	⊙*2	○
DTS 96/24	○	○	○	○	⊙*2	○
DTS-HD	○	○	○	⊙*1	⊙*1	○
DTS Express	○	○	○	○	⊙*2	○
Multi Ch Stereo	○	○	○	○	○	○
Virtual	○					○

Sound modes and surround parameters

Sound mode (p. 118)	Surround Parameter (p. 152)						
	Dialog Level Adjust (p. 151)	Subwoofer Level Adjust (p. 151)	Cinema EQ (p. 152)	Loudness Management *1 (p. 152)	Dynamic Compression *2 (p. 153)	Low Frequency Effects *3 (p. 153)	Height Gain *4 (p. 155)
Direct/Pure Direct (2-channel) *5		○ *6		○	○		
Direct/Pure Direct (Multi-channel) *5	○	○		○	○		
Stereo		○		○	○		
Multi Ch In	○	○	○			○	○
Dolby Pro Logic IIz	○	○	○	○	○		○
Dolby Pro Logic IIx	○	○	○	○	○		
Dolby Pro Logic II	○	○	○	○	○		
DTS Neo:6	○	○	○	○	○		
Dolby Digital	○	○	○		○	○	○
Dolby Digital Plus	○	○	○		○	○	○
Dolby TrueHD	○	○	○	○	○	○	○
DTS Surround	○	○	○		○	○	○
DTS 96/24	○	○	○			○	○
DTS-HD	○	○	○			○	○
DTS Express	○	○	○			○	○
Multi Ch Stereo	○	○	○	○	○	○	
Virtual		○		○	○	○	

Sound mode (🔗 p.118)	Surround Parameter (🔗 p.152)				Tone *7 (🔗 p.114)	Audyssey (🔗 p.158)			M-DAX *10 (🔗 p.156)
	Pro LogicII/IIx Music mode only			Neo: 6 Music modes only		MultEQ® XT *8 (🔗 p.158)	Dynamic EQ *9 (🔗 p.159)	Dynamic Volume *9 (🔗 p.160)	
	Panorama (🔗 p.154)	Dimension (🔗 p.154)	Center Width (🔗 p.154)	Center Image (🔗 p.154)					
Direct/Pure Direct (2-channel) *5									
Direct/Pure Direct (Multi-channel) *5									
Stereo						○	○	○	○
Multi Ch In					○	○	○	○	
Dolby Pro Logic IIz					○	○	○	○	○
Dolby Pro Logic IIx	○	○	○		○	○	○	○	○
Dolby Pro Logic II	○	○	○		○	○	○	○	○
DTS Neo:6				○	○	○	○	○	○
Dolby Digital					○	○	○	○	
Dolby Digital Plus					○	○	○	○	
Dolby TrueHD					○	○	○	○	
DTS Surround					○	○	○	○	
DTS 96/24					○	○	○	○	
DTS-HD					○	○	○	○	
DTS Express					○	○	○	○	
Multi Ch Stereo					○	○	○	○	○
Virtual					○	○	○	○	○

*1 This item can be selected when a Dolby TrueHD signal is played.

*2 This item can be selected when Dolby TrueHD, Dolby Digital or DTS signal is played.

*3 This item can be selected when a Dolby Digital or DTS signal or DVD-Audio is played.

*4 This setting is available when the set sound mode name contains "+PLIIz".

*5 During playback in Pure Direct mode, the surround parameters are the same as in Direct mode.

*6 This setting is available when "Subwoofer Mode" in the menu is set to "LFE+Main". (p. 194)

*7 This item cannot be set when "Dynamic EQ" is set to "On". (p. 159)

*8 This item cannot be set when Audyssey® Setup (Speaker Calibration) has not been performed.

*9 This item cannot be set when "MultEQ® XT" is set to "Off". (p. 158)

*10 This item can be set when the input signal is analog, PCM 48 kHz or 44.1 kHz.

*11 In this sound mode, bass is +6 dB, and treble is +4 dB. (Default)

Types of input signals, and corresponding sound modes

● This indicates the default sound mode.

○ This indicates the selectable sound mode.

Sound mode (p. 118)	NOTE	2-channel signal		Multi-channel signal									
		Analog /PCM	Dolby Digital (+/HD)/DTS (-HD)	PCM Multi	DTS-HD	DTS Express	DTS ES DSCRT 6.1	DTS ES MTRIX 6.1	DTS	Dolby TrueHD	Dolby Digital Plus	Dolby Digital EX	Dolby Digital
DTS Surround													
DTS-HD Mstr					●*6								
DTS-HD Hi Res					●*7								
DTS ES Dscrt6.1	*1						●						
DTS ES Mtr6.1	*1							●					
DTS Surround									●				
DTS 96/24									●*8				
DTS (-HD) + PLIIx	*1*2				○	○			○				
DTS (-HD) + PLIIz	*3				○	○	○	○	○				
DTS Express						●							
DTS Neo:6	*4	○	○										
Dolby Surround										●			
Dolby TrueHD											●		
Dolby Digital+													
Dolby Digital EX	*1											○	○
Dolby (D+) (HD) + EX	*1									○	○		
Dolby Digital												●	●
Dolby (D) (D+) (HD) + PLIIx	*1*2									○	○	○	○
Dolby (D) (D+) (HD) + PLIIz	*3									○	○	○	○
Dolby Pro Logic II/IIx	*5	○	○										
Dolby Pro Logic IIz	*3	○	○										

Sound mode (p. 118)	NOTE	2-channel signal		Multi-channel signal									
		Analog /PCM	Dolby Digital (+/HD)/DTS (-HD)	PCM Multi	DTS-HD	DTS Express	DTS ES DSCRT 6.1	DTS ES MTRIX 6.1	DTS	Dolby TrueHD	Dolby Digital Plus	Dolby Digital EX	Dolby Digital
Multi Ch In													
Multi Ch In				●									
Multi Ch In + Dolby EX	*1			○									
Multi Ch In + PLIIx	*1*2			○									
Multi Ch In + PLIIz	*3			○									
Multi Ch In 7.1	*1			●*10									
Direct													
Direct		○*9	○	○	○	○	○	○	○	○	○	○	○
Pure Direct													
Pure Direct		○	○	○	○	○	○	○	○	○	○	○	○
Original sound mode													
Multi Ch Stereo		○	○	○	○	○	○	○	○	○	○	○	○
Virtual		○	○	○	○	○	○	○	○	○	○	○	○
Stereo													
Stereo		●	○	○	○	○	○	○	○	○	○	○	○

*1 This item can be selected when surround back speakers are used.

*2 The "Cinema" mode or "Music" mode can be selected. When using a single surround back speaker, the "Music" mode is used.

*3 This item can be selected when front height speakers are used.

*4 The "Cinema" mode or "Music" mode can be selected.

*5 The "Cinema" mode, "Music" mode or "Game" mode can be selected.

*6 This item can be selected when the input signal is DTS-HD Master Audio.

*7 This item can be selected when the input signal is DTS-HD Hi Resolution.

*8 This item can be selected when the input signal is DTS 96/24.

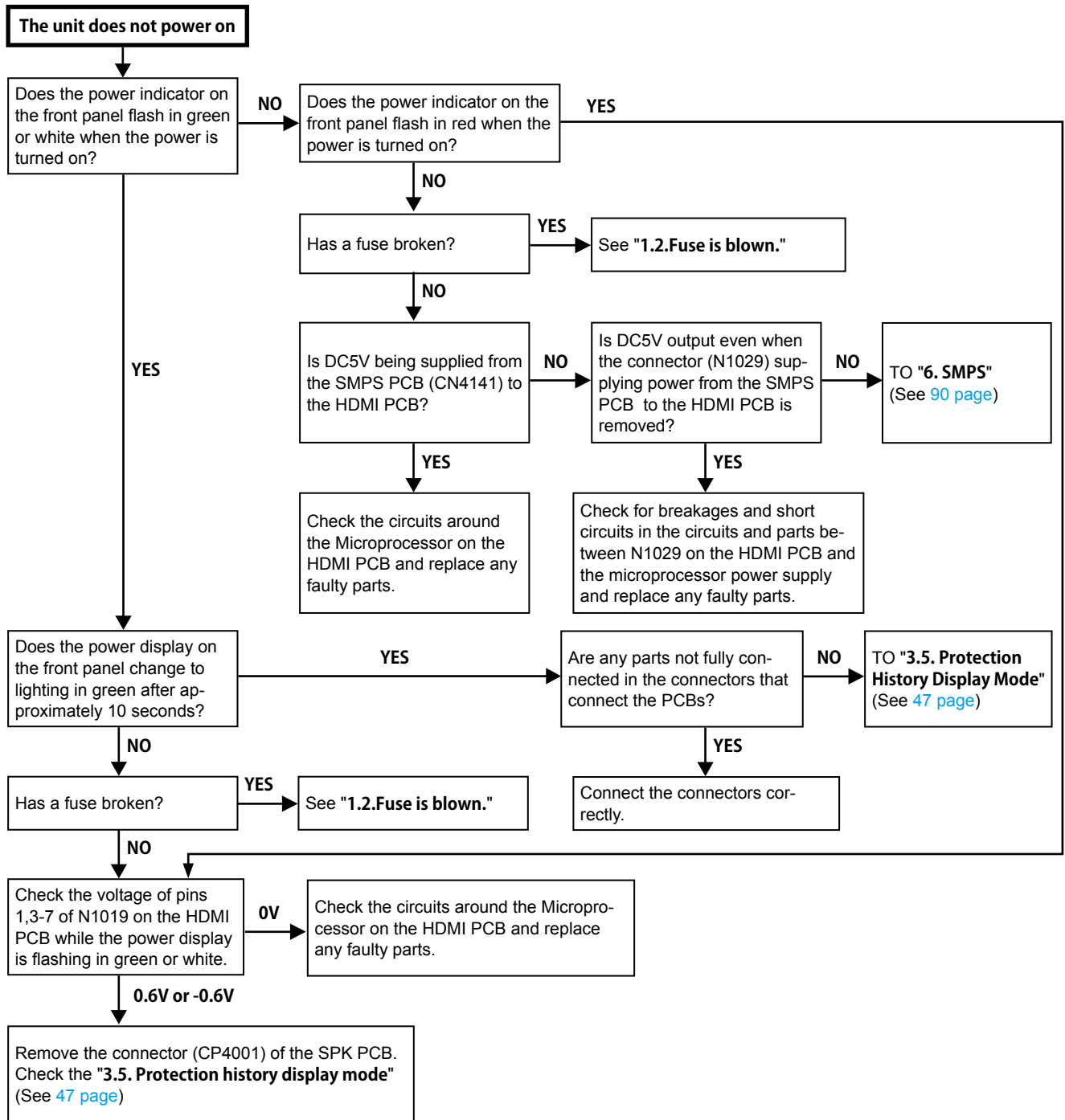
*9 The default sound mode for the AirPlay playback is Direct.

*10 This item can be selected when the input signals contain surround back signals.

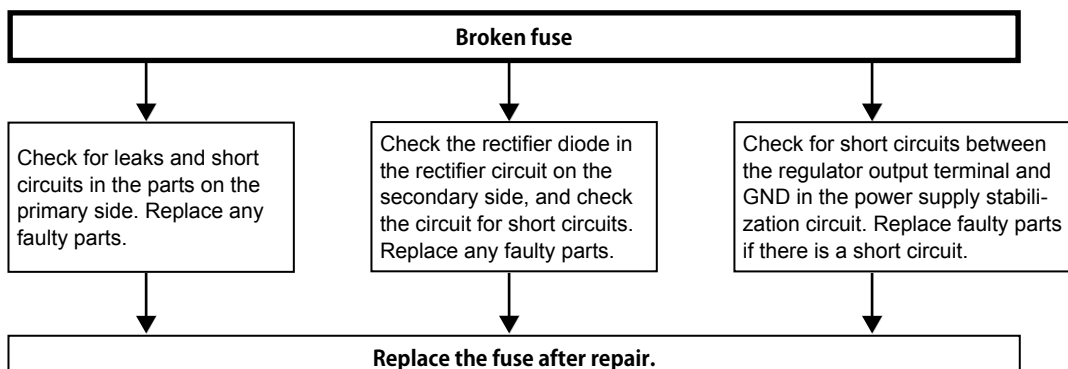
TROUBLE SHOOTING

1. POWER

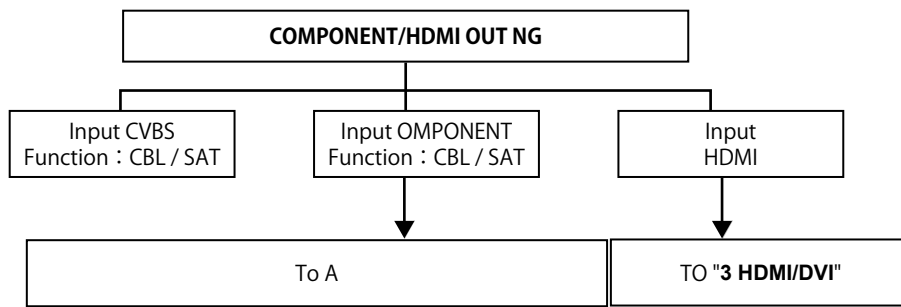
1.1. The unit does not power on



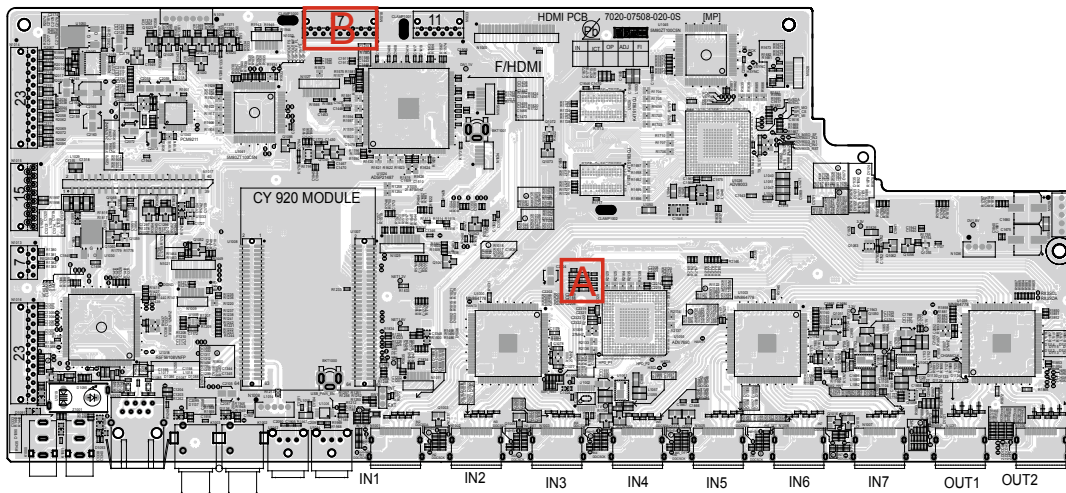
1.2. Fuse is blown



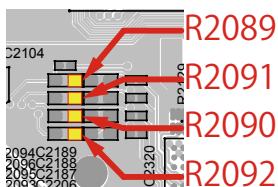
2. Analog video



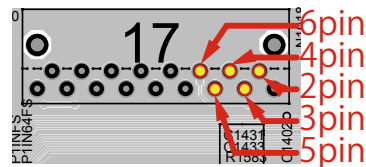
<HDMI PCB> test point



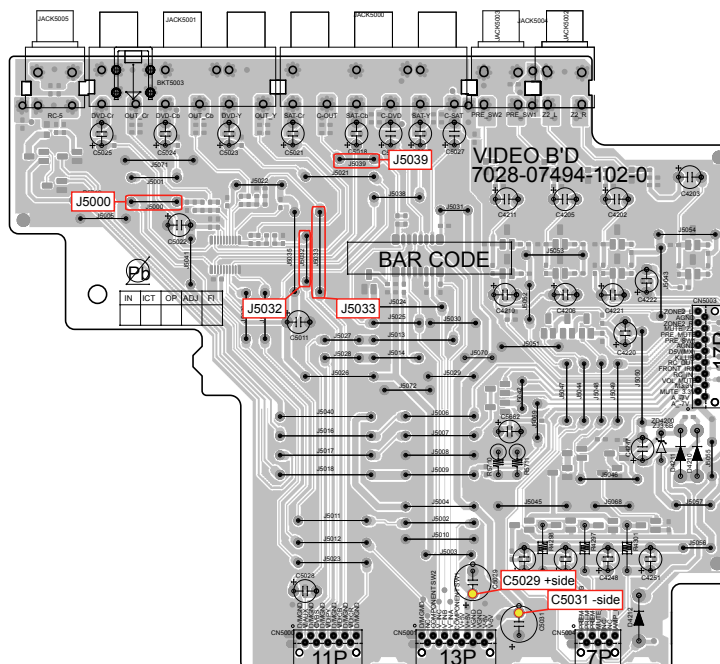
Detail A

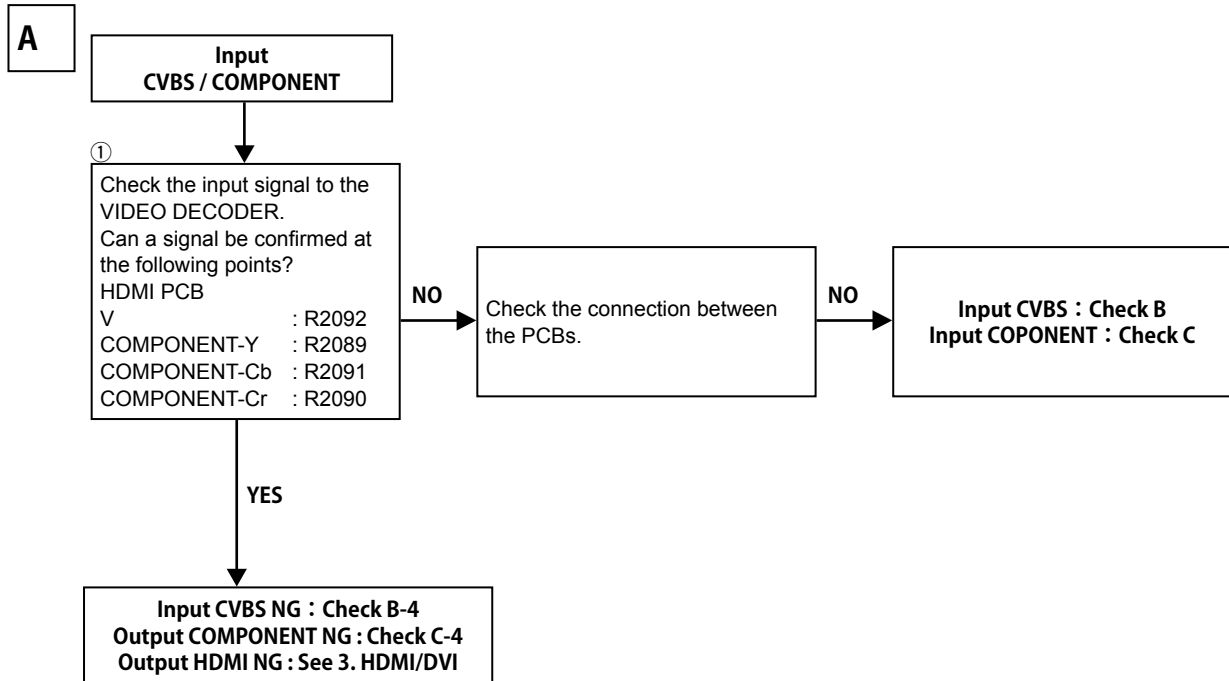


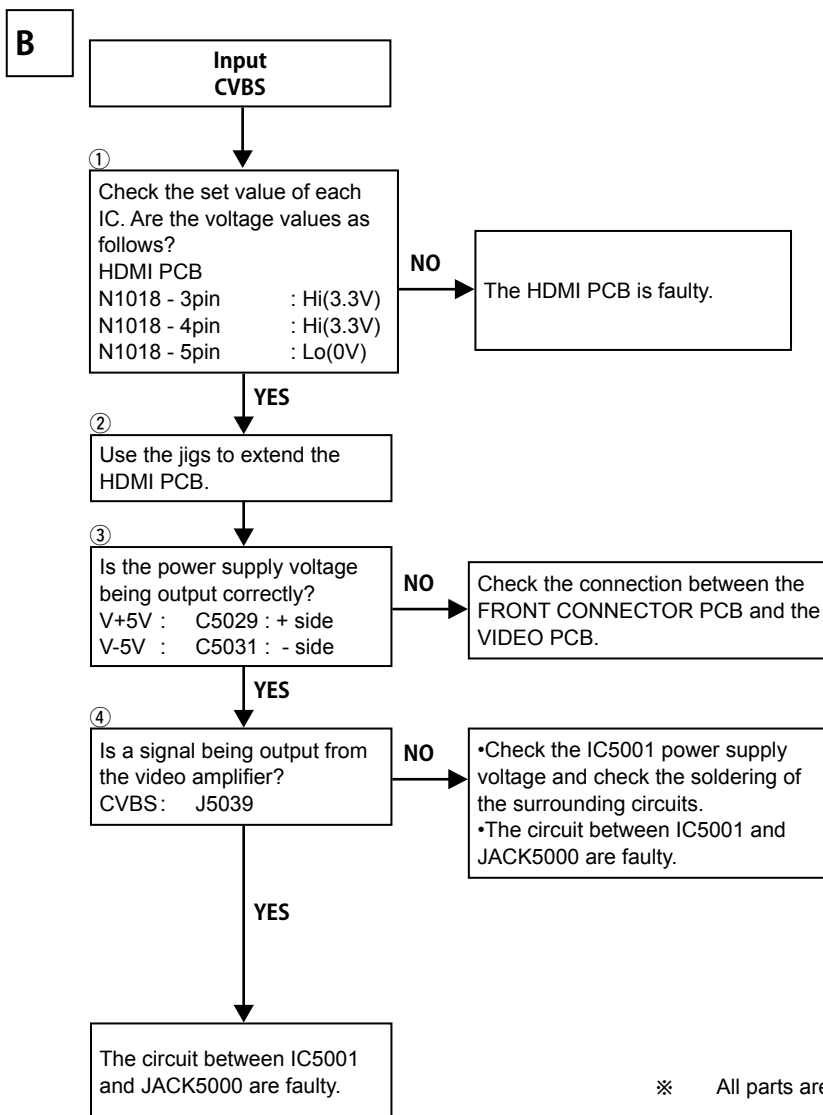
Detail B



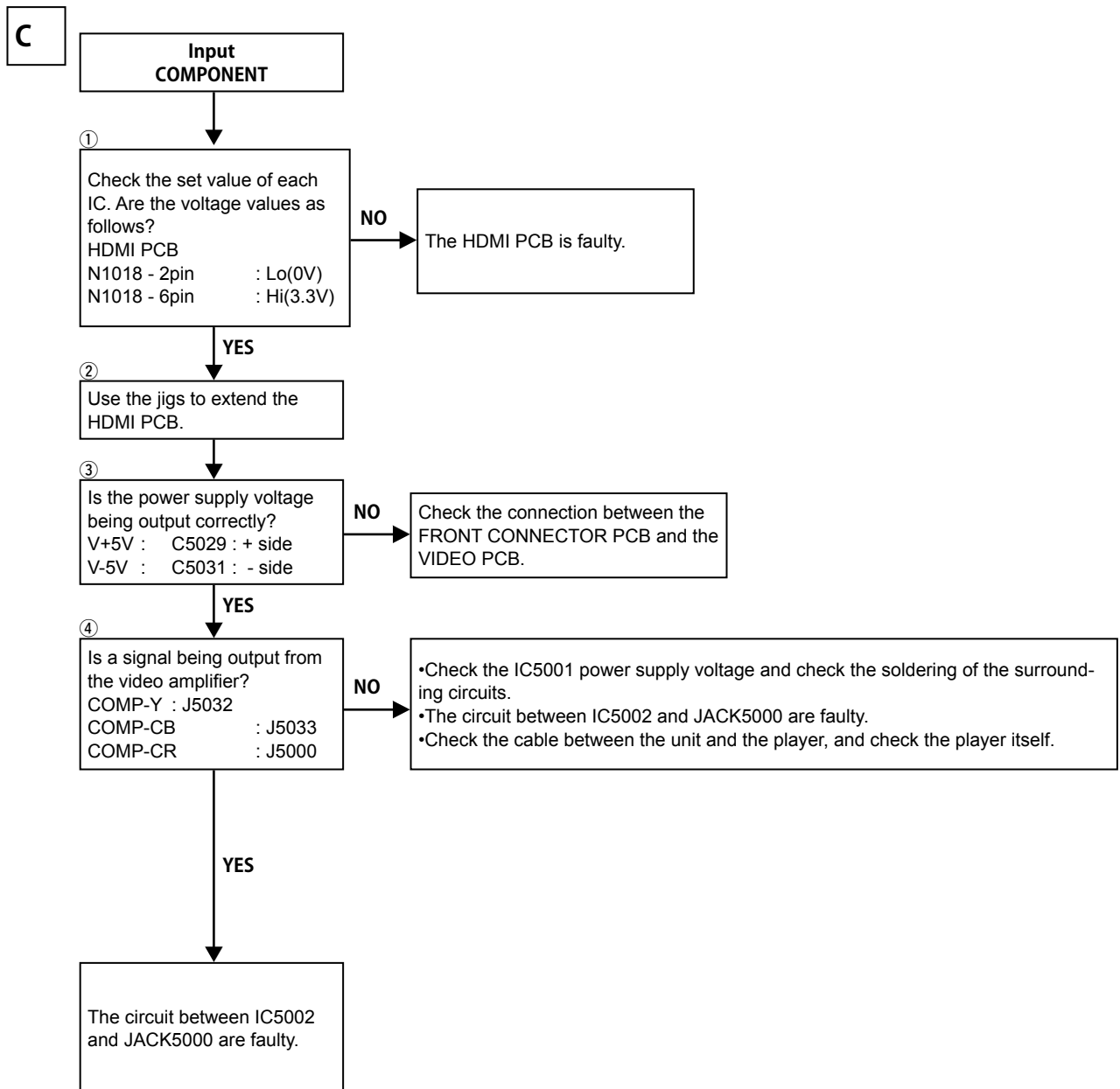
<Video PCB> test point







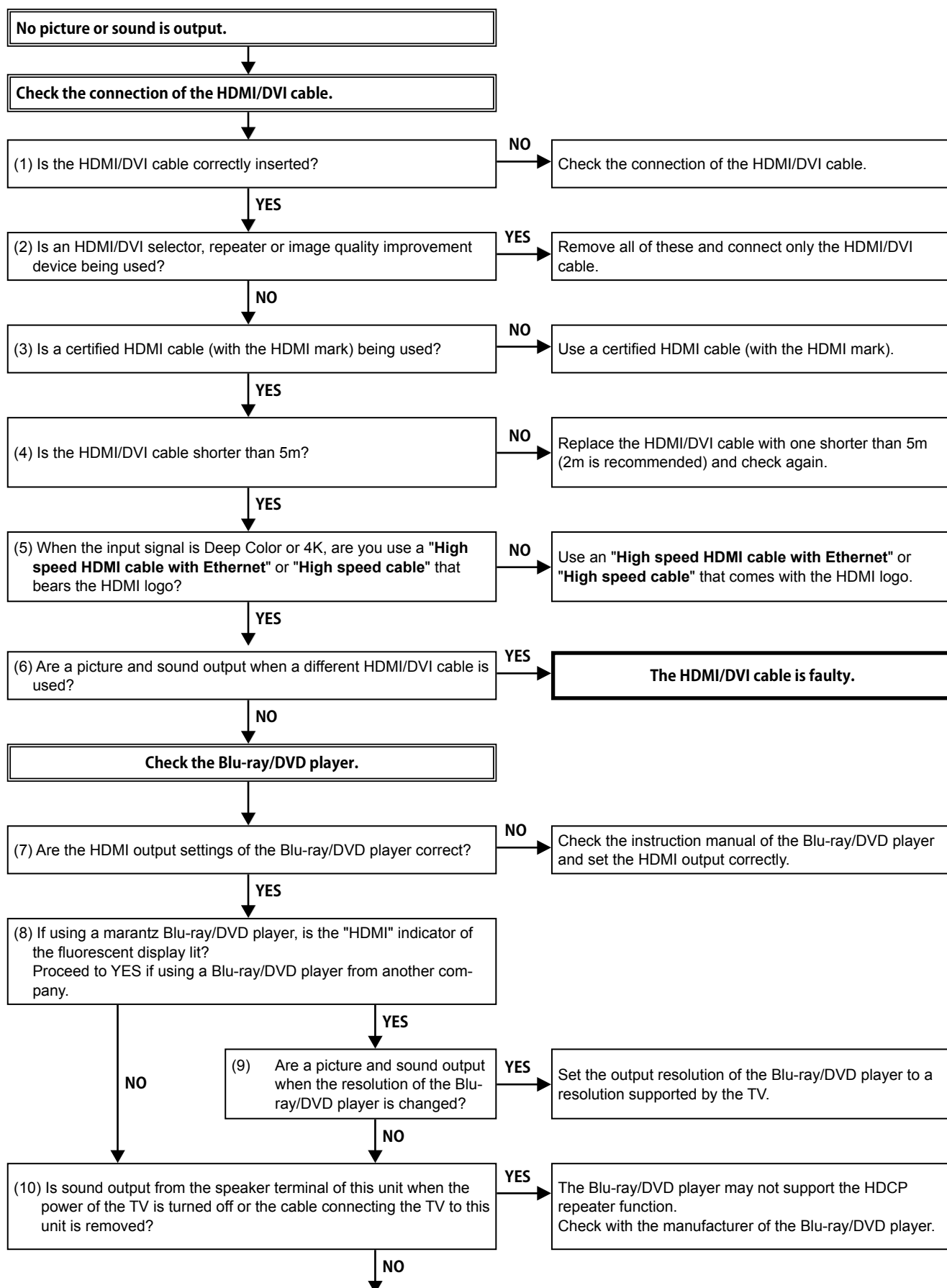
※ All parts are VIDEO PCB parts unless otherwise specified.

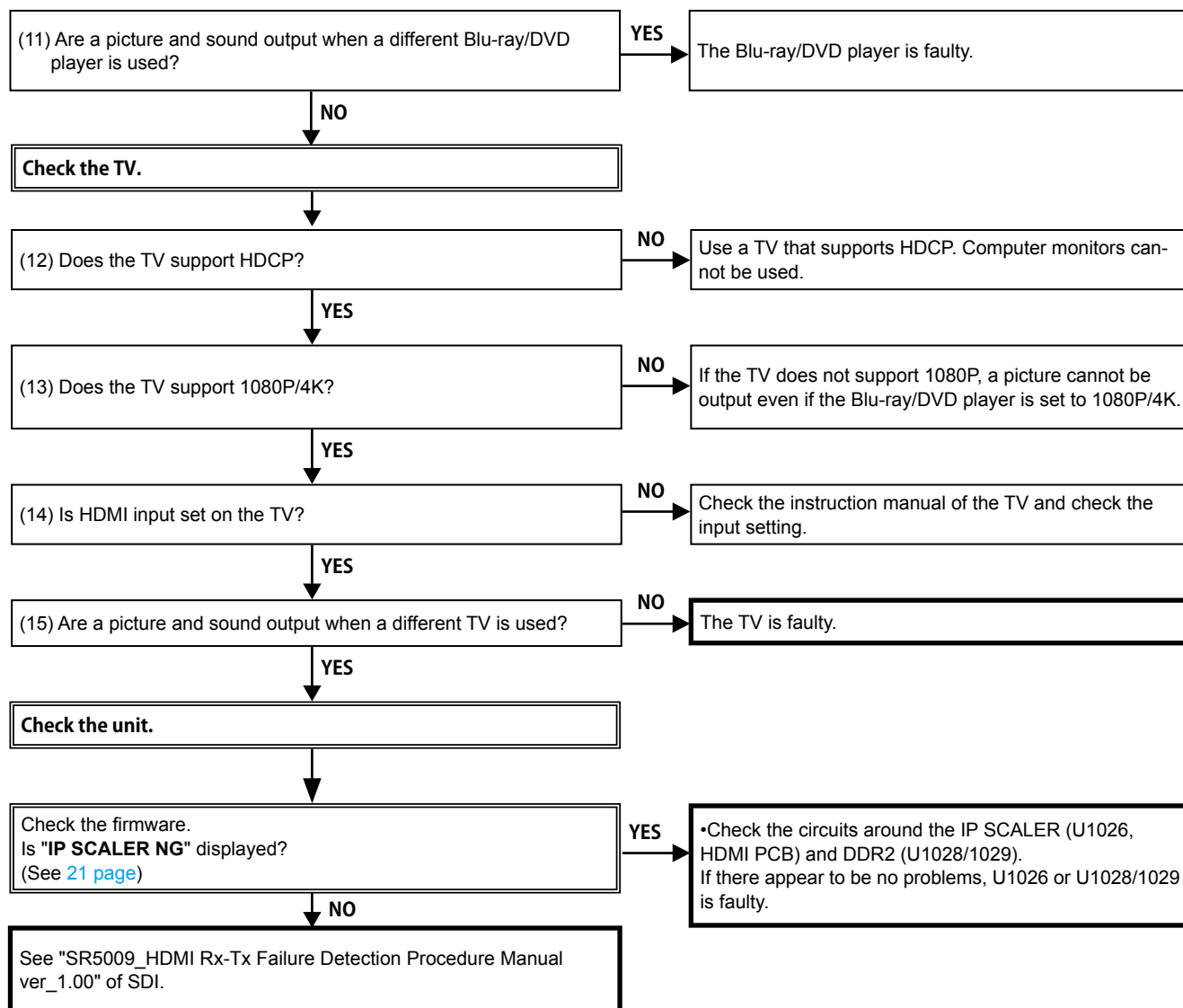


※ All parts are VIDEO PCB parts unless otherwise specified.

3. HDMI/DVI

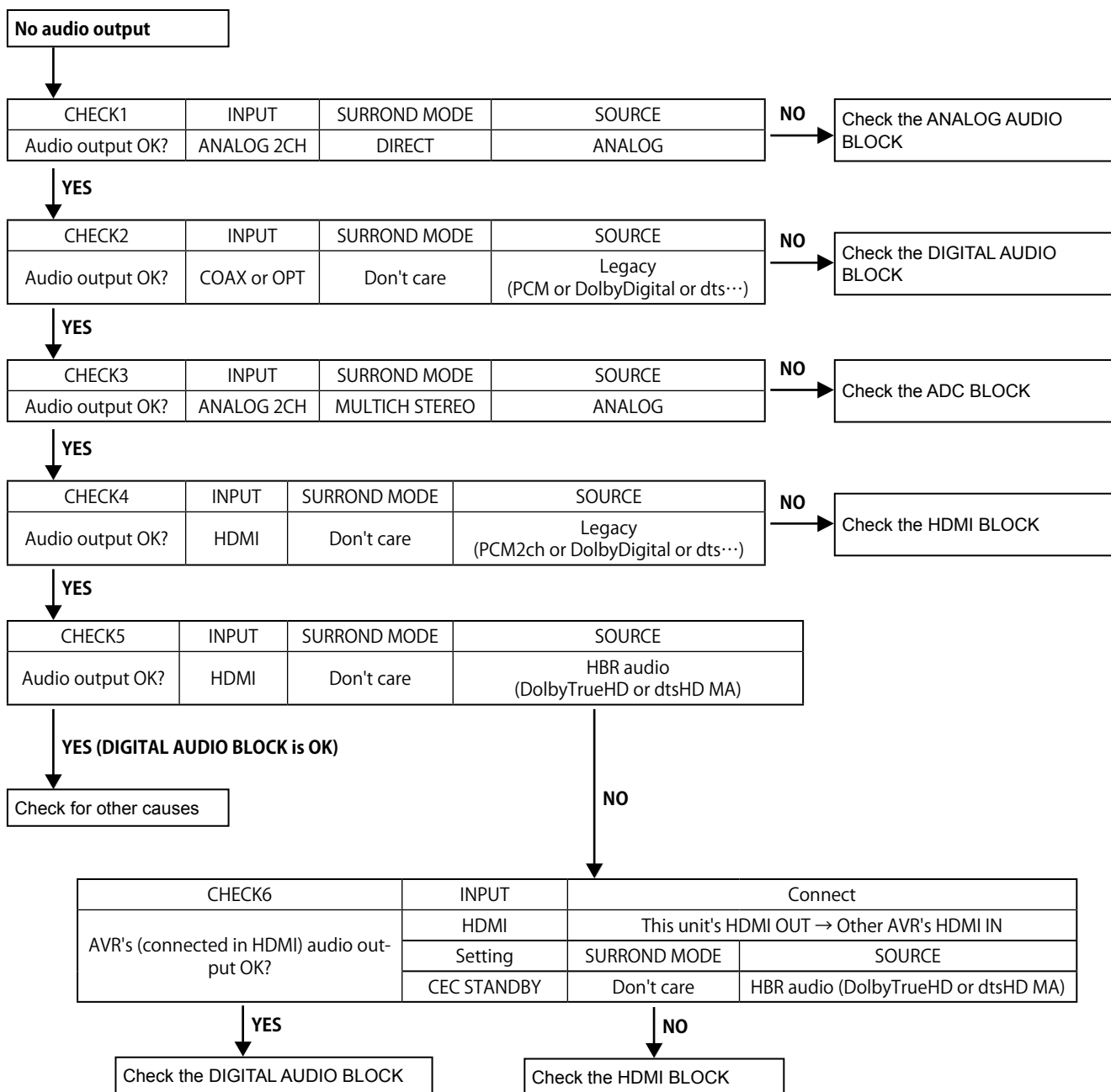
3.1. No picture or sound is output (HDMI to HDMI)



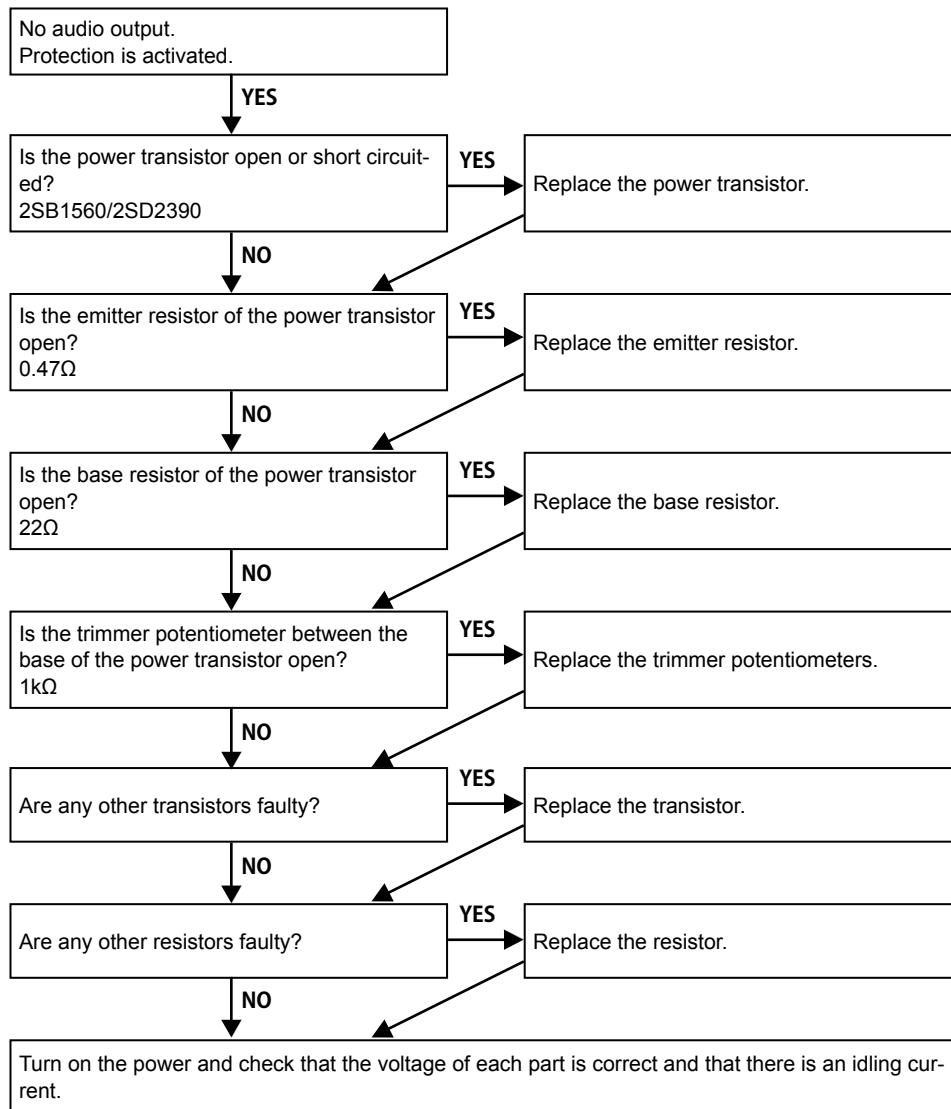


4. AUDIO

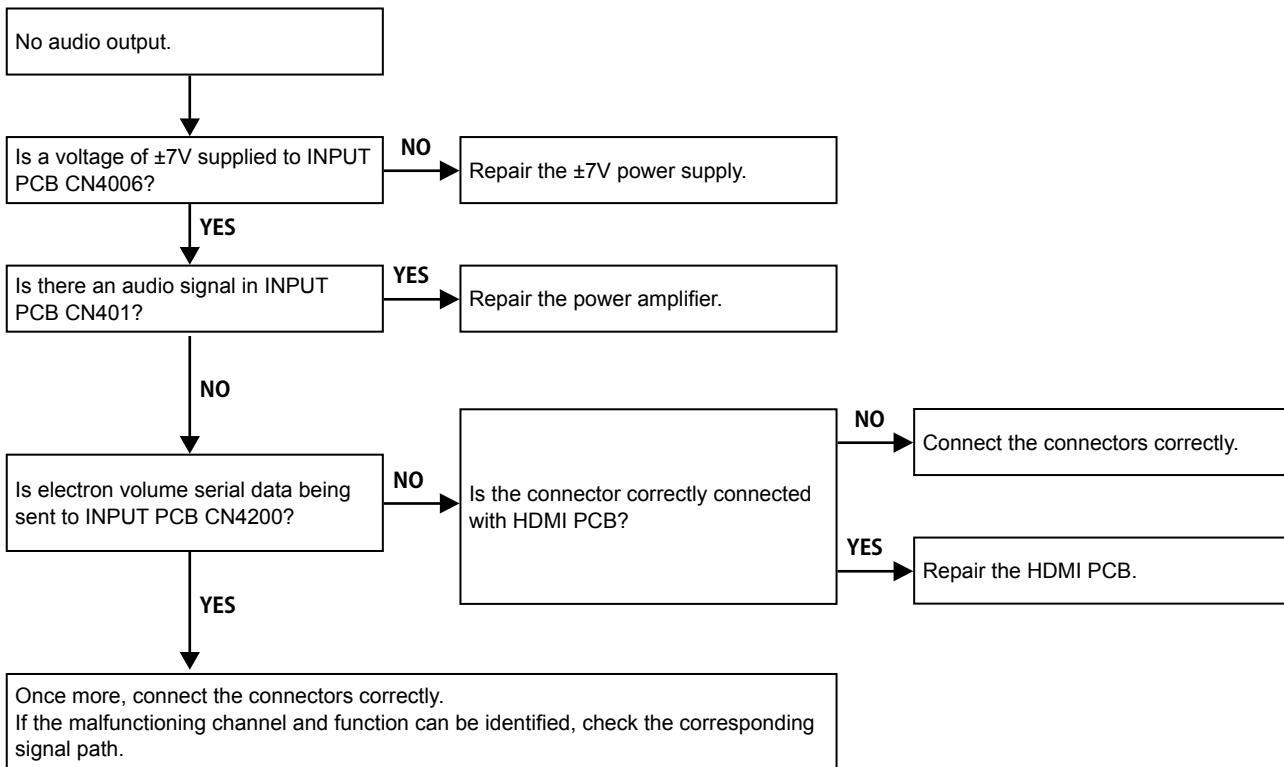
4.1. AUDIO CHECK



4.2. Power AMP (AMP PCB)

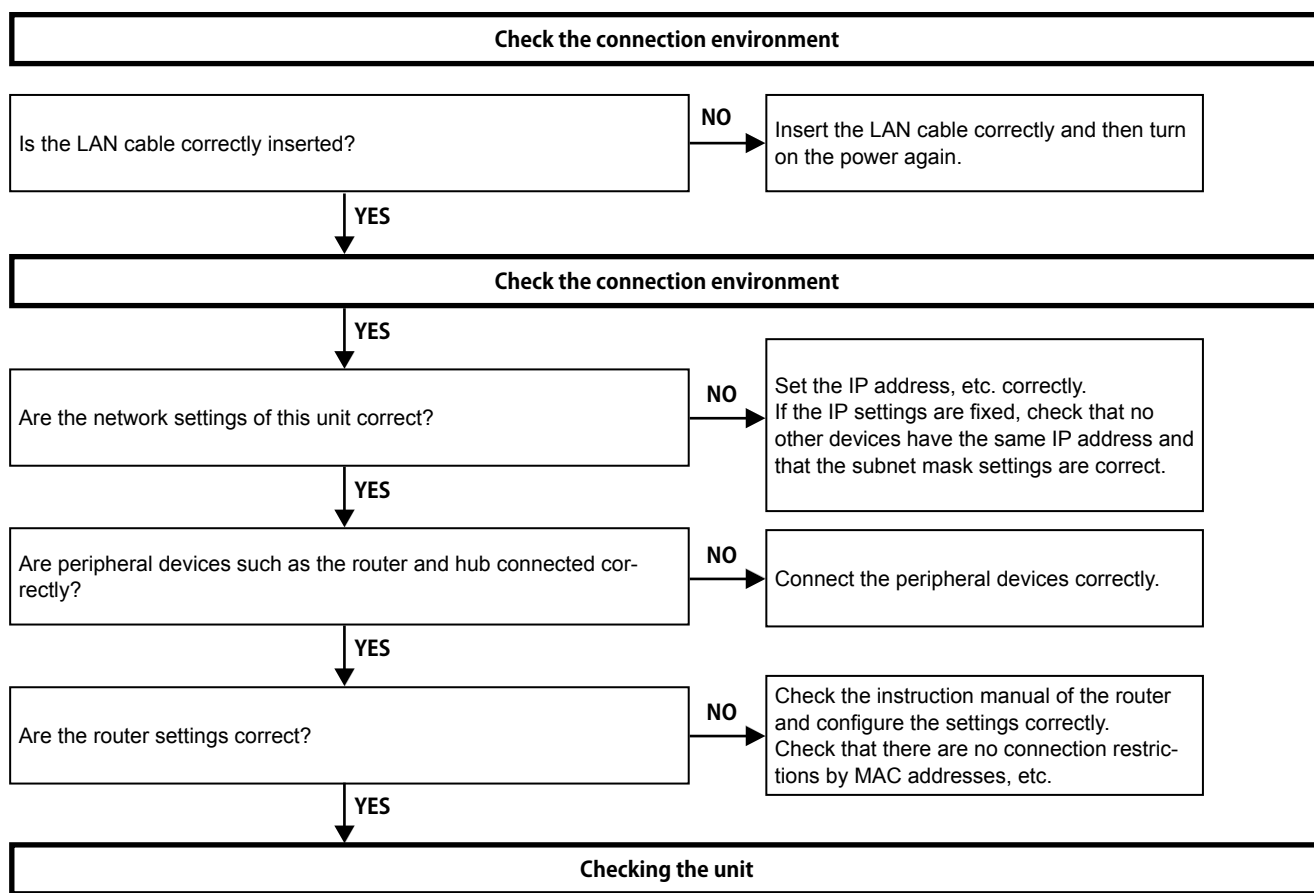


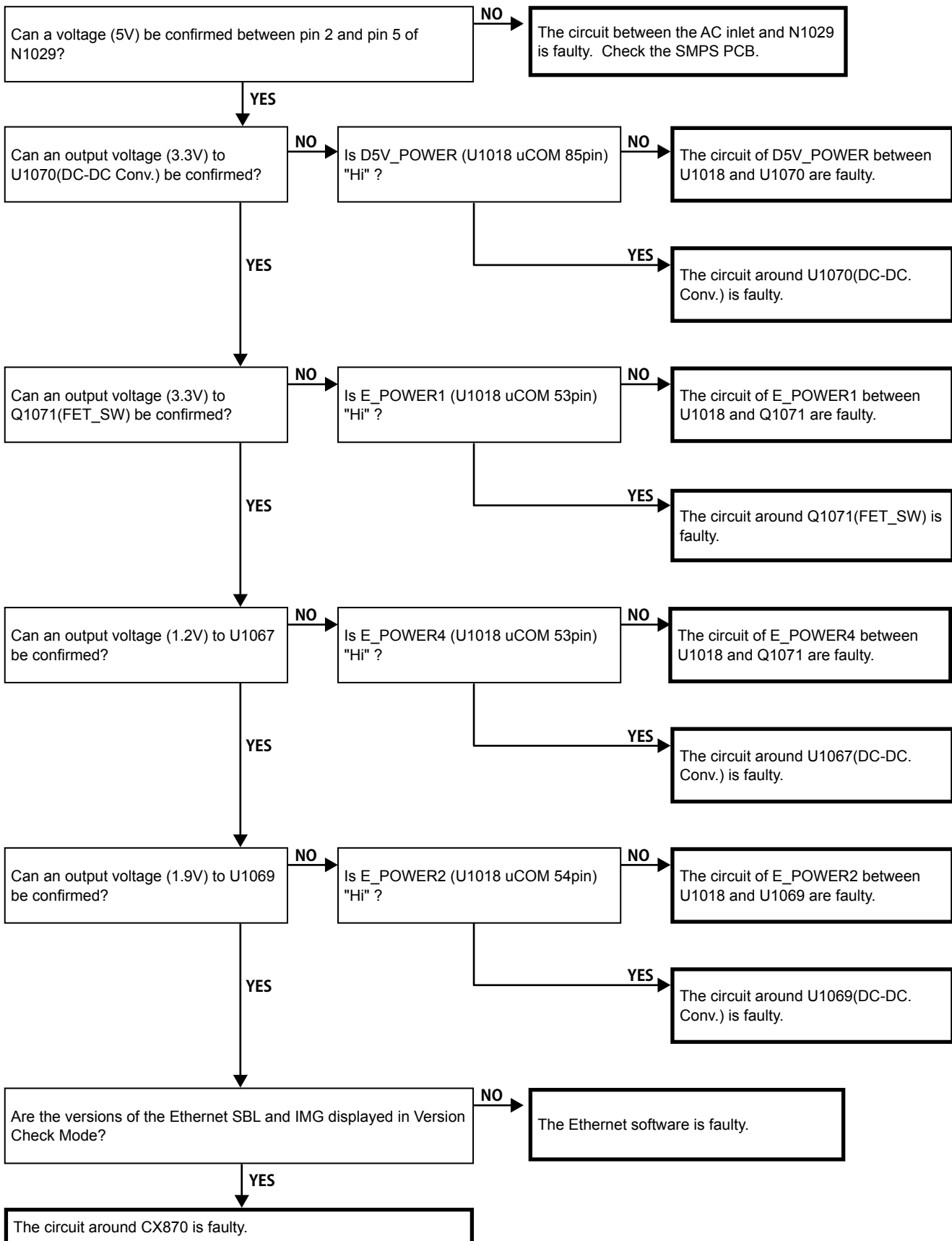
4.3. Analog audio



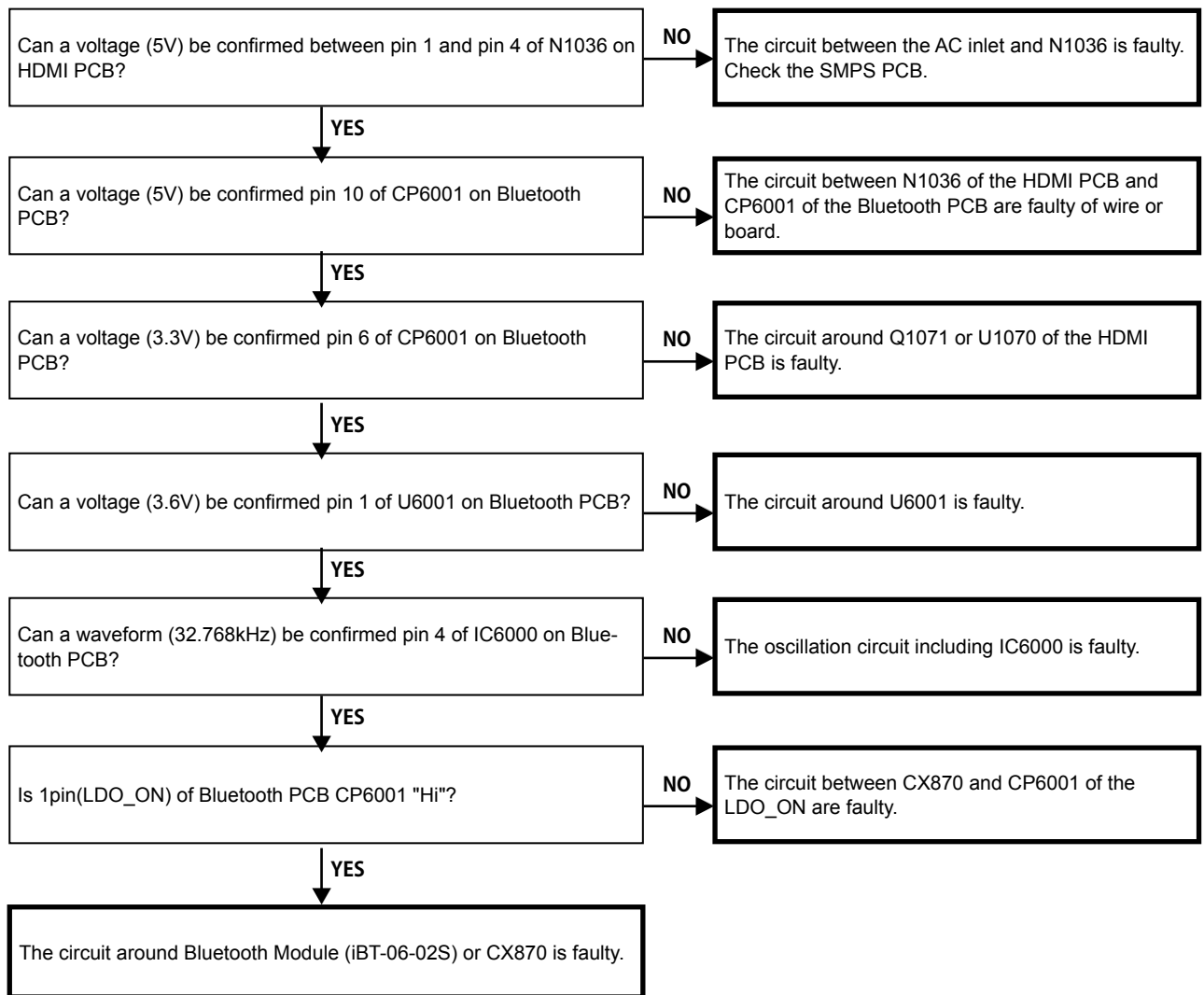
5. Network/Bluetooth/USB

5.1. Cannot connect to the network

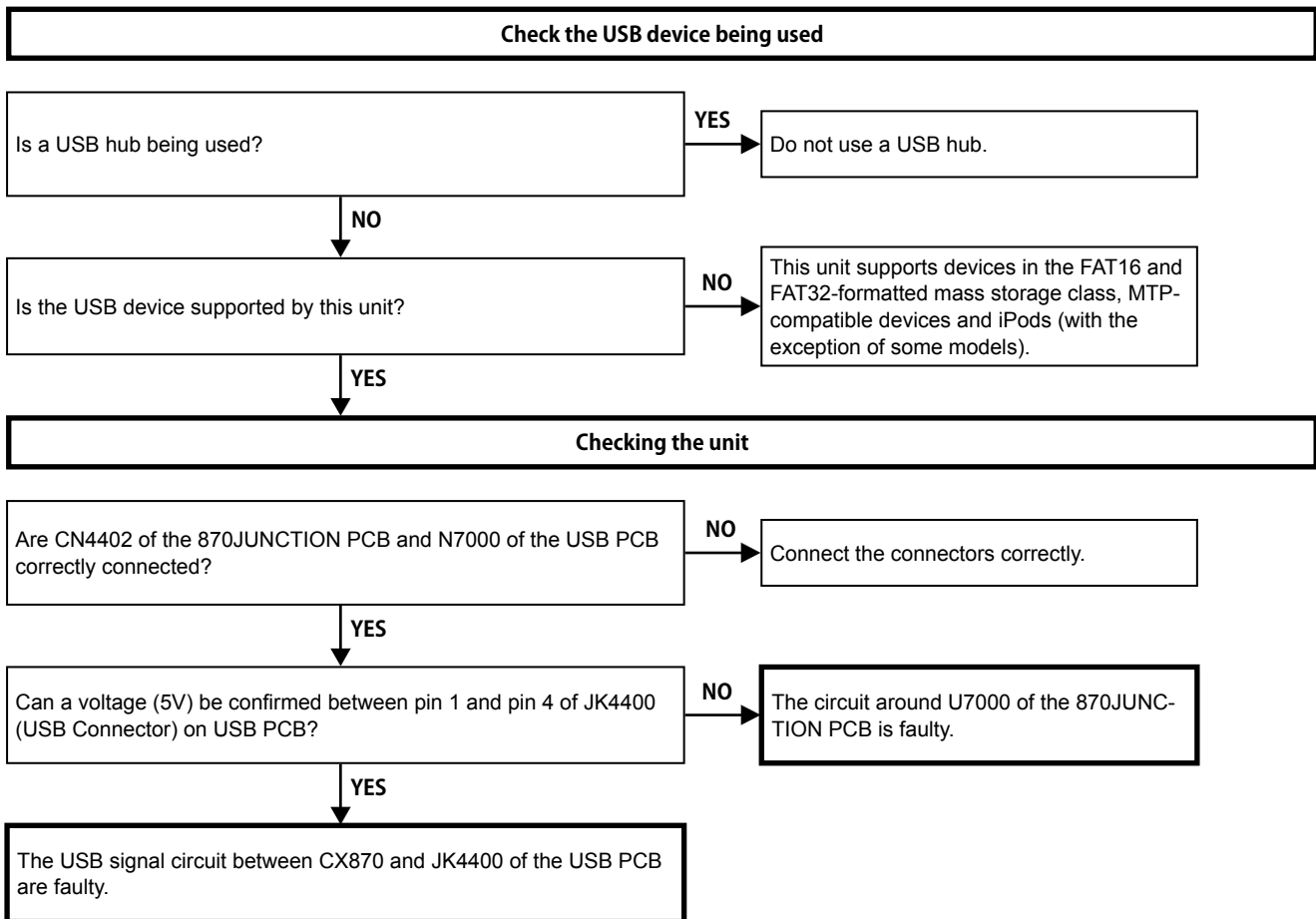




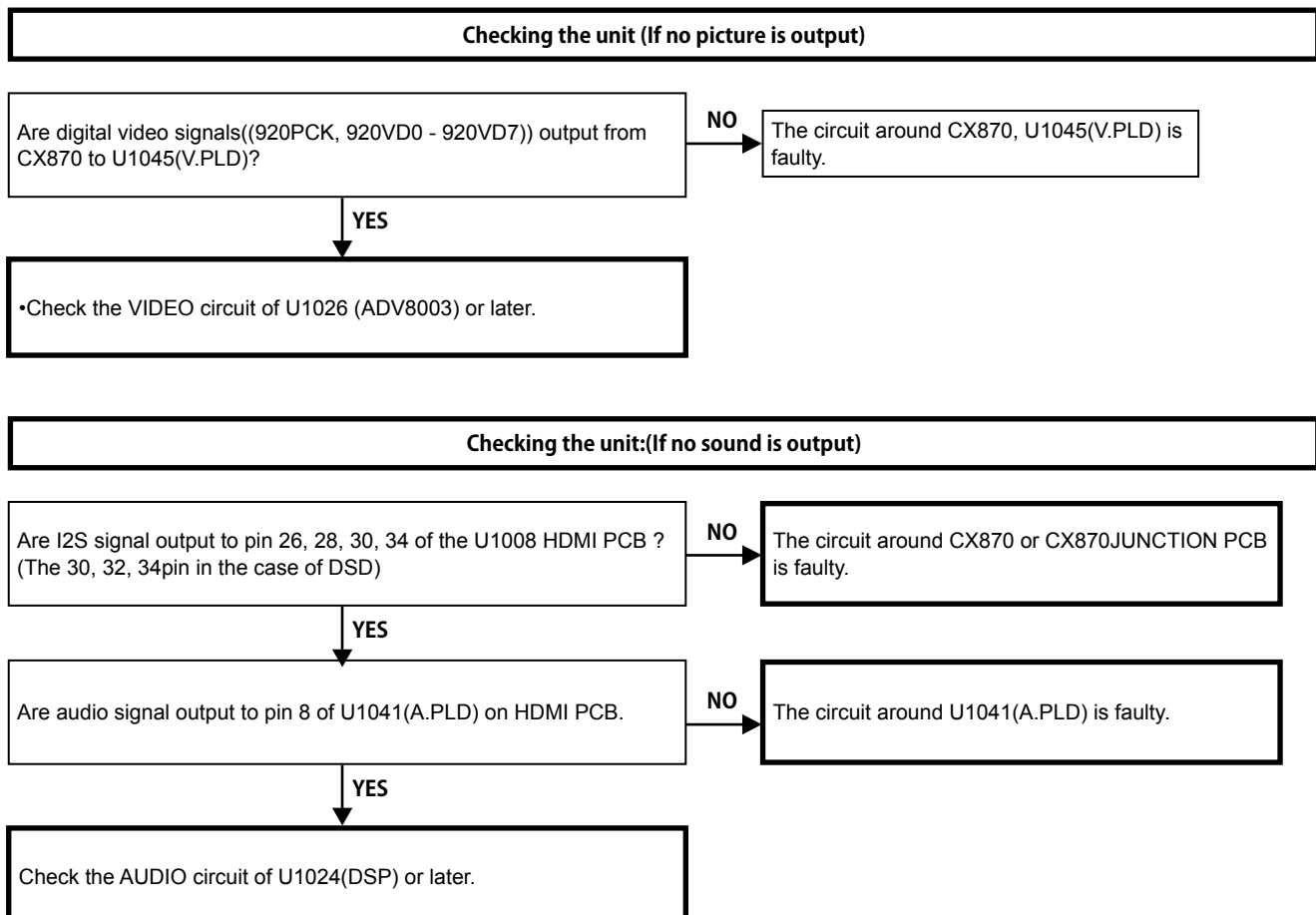
5.2. Cannot connect to the Bluetooth



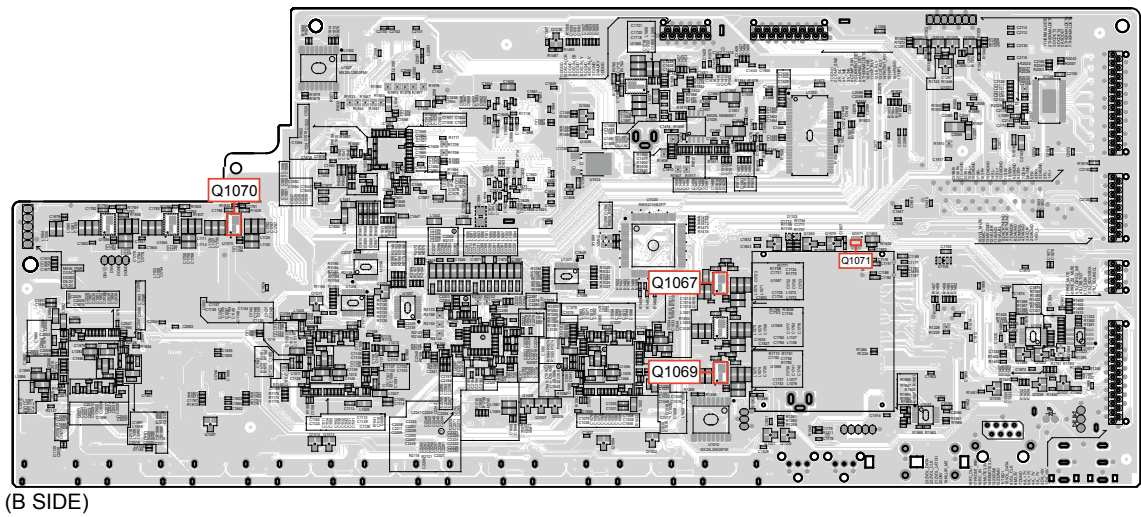
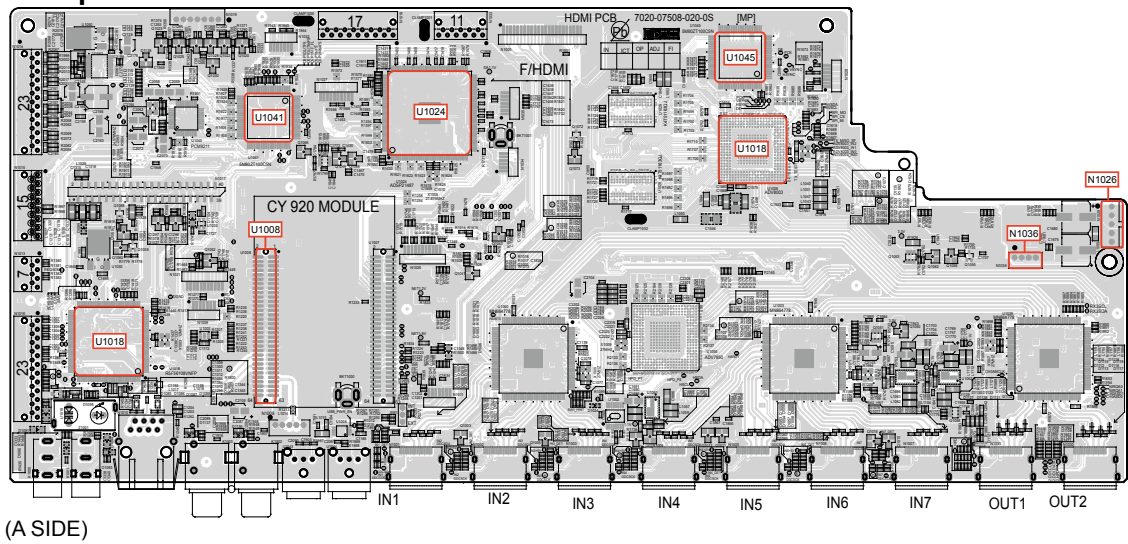
5.3. A connected USB device is not recognized.



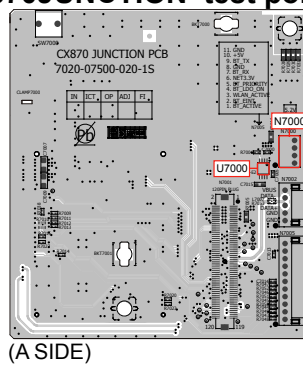
5.4. No picture or sound is output



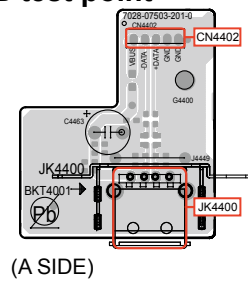
HDMI test point



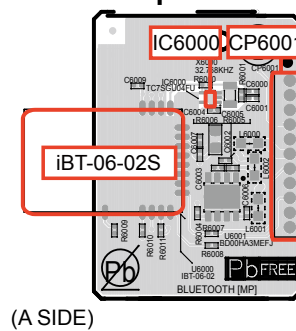
CX870JUNCTION test point



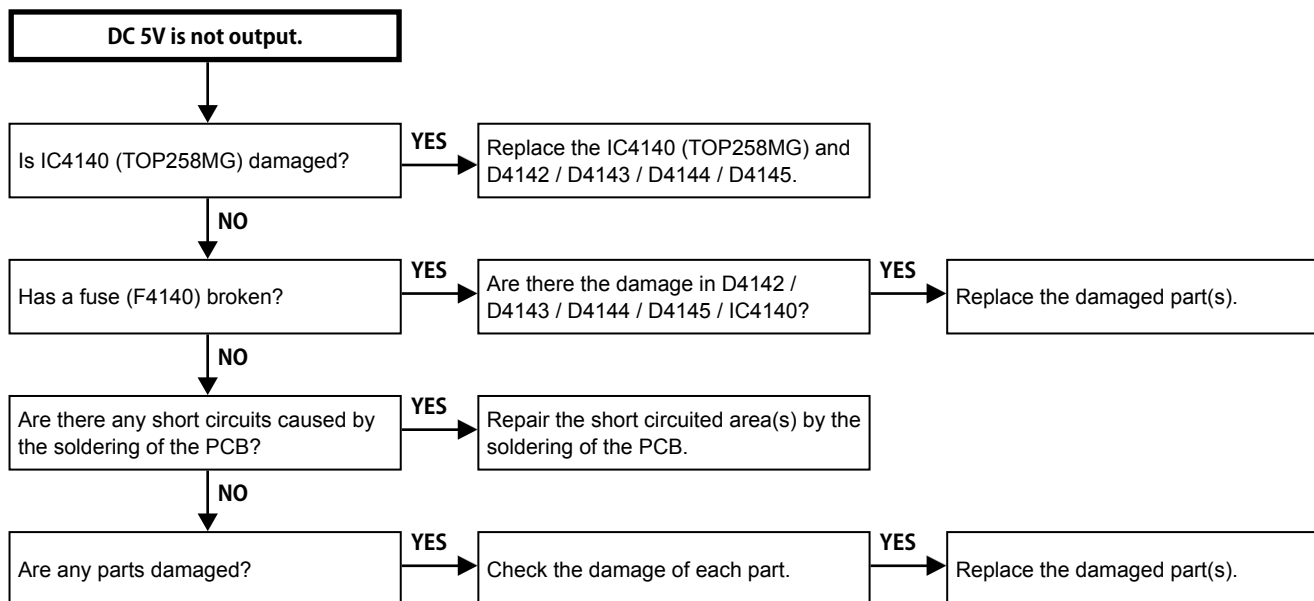
USB test point



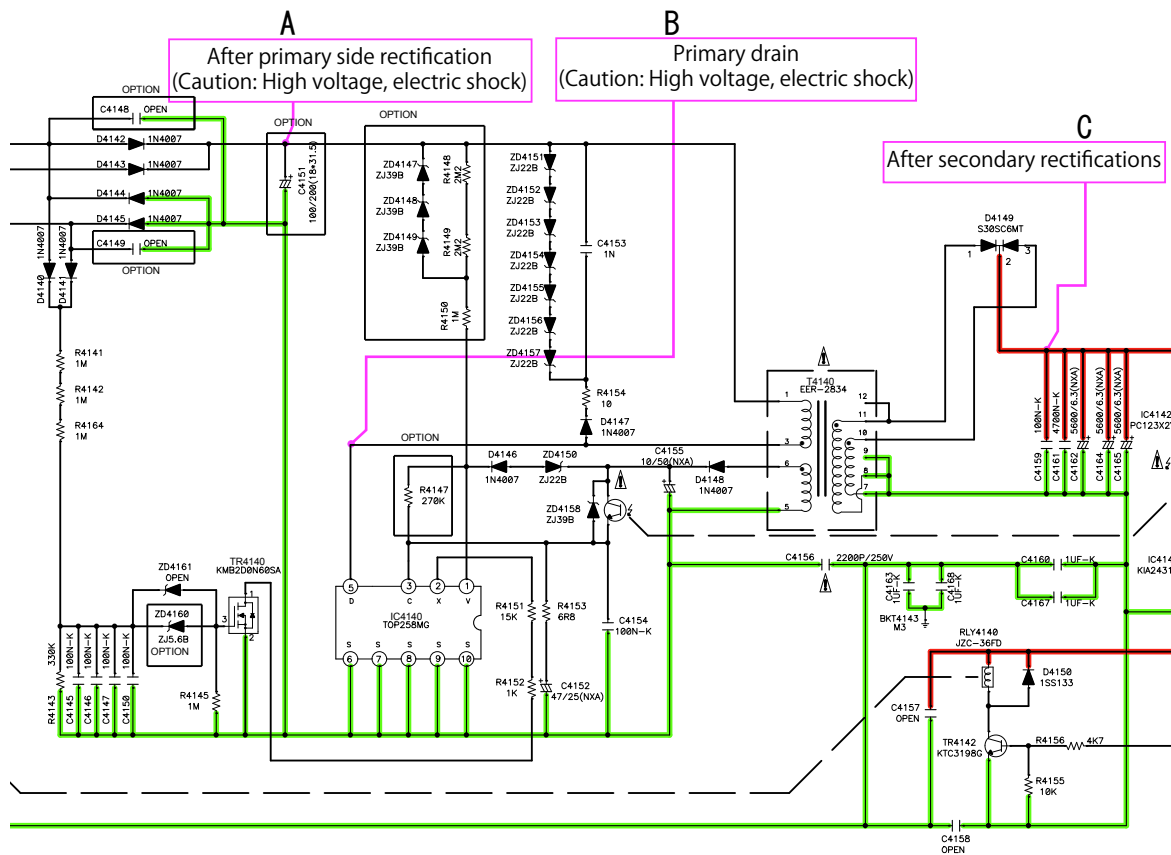
Bluetooth test point



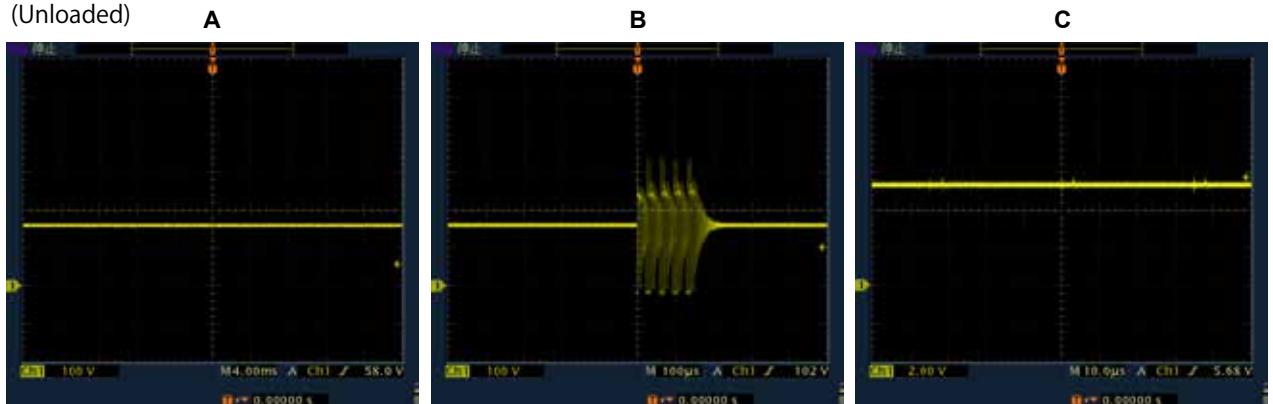
6. SMPS



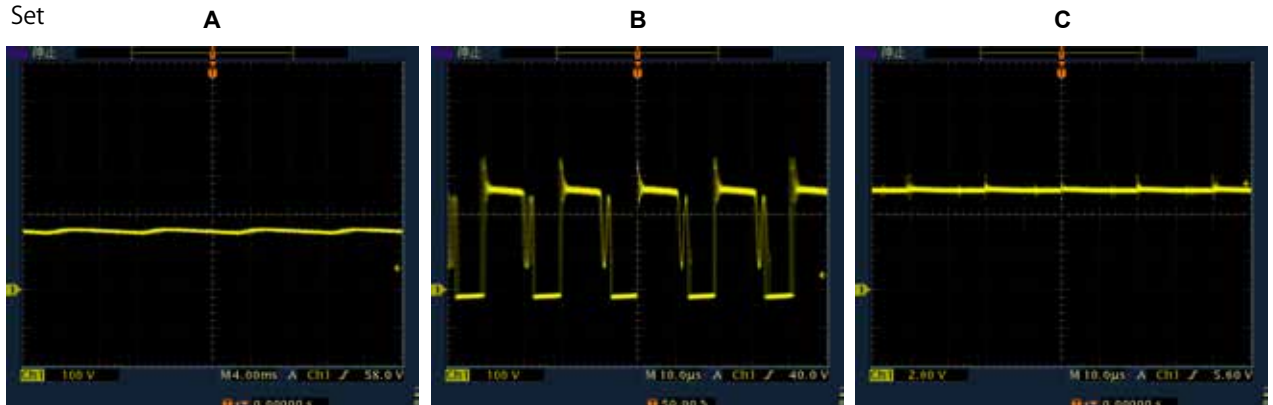
Operation waveform for each part



SMPS unit
(Unloaded)



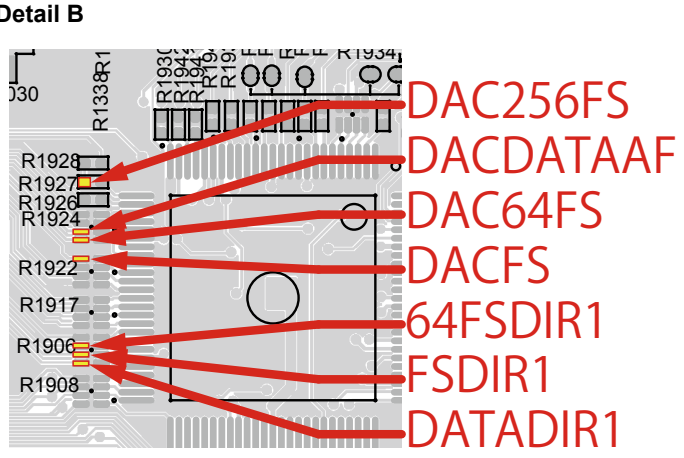
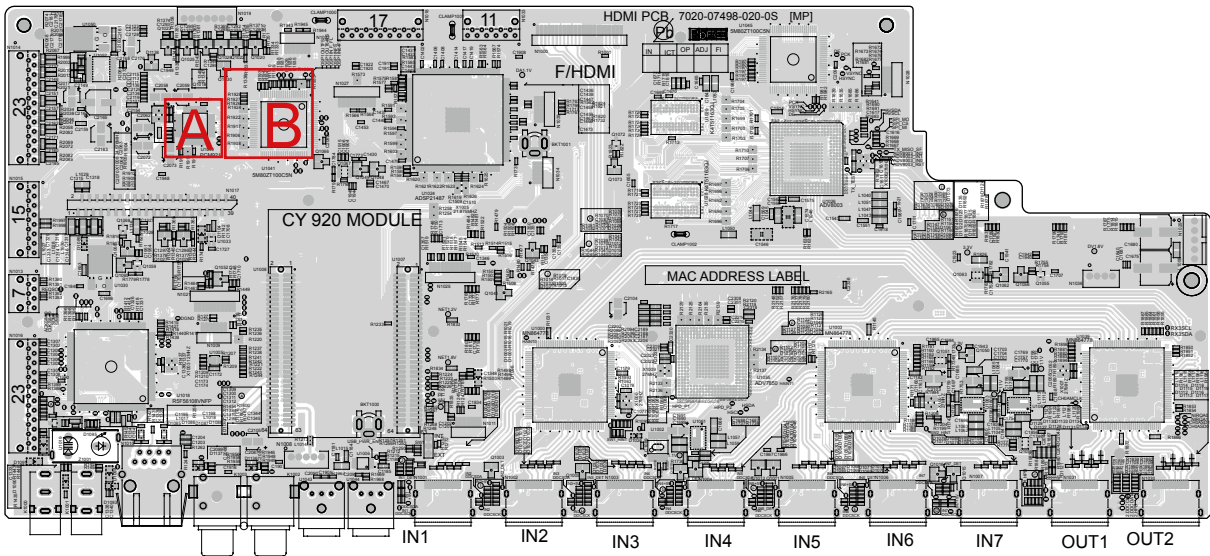
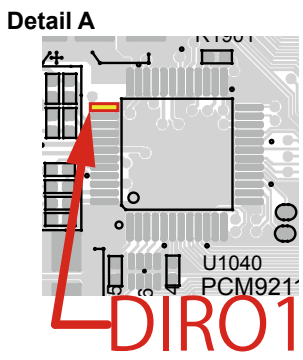
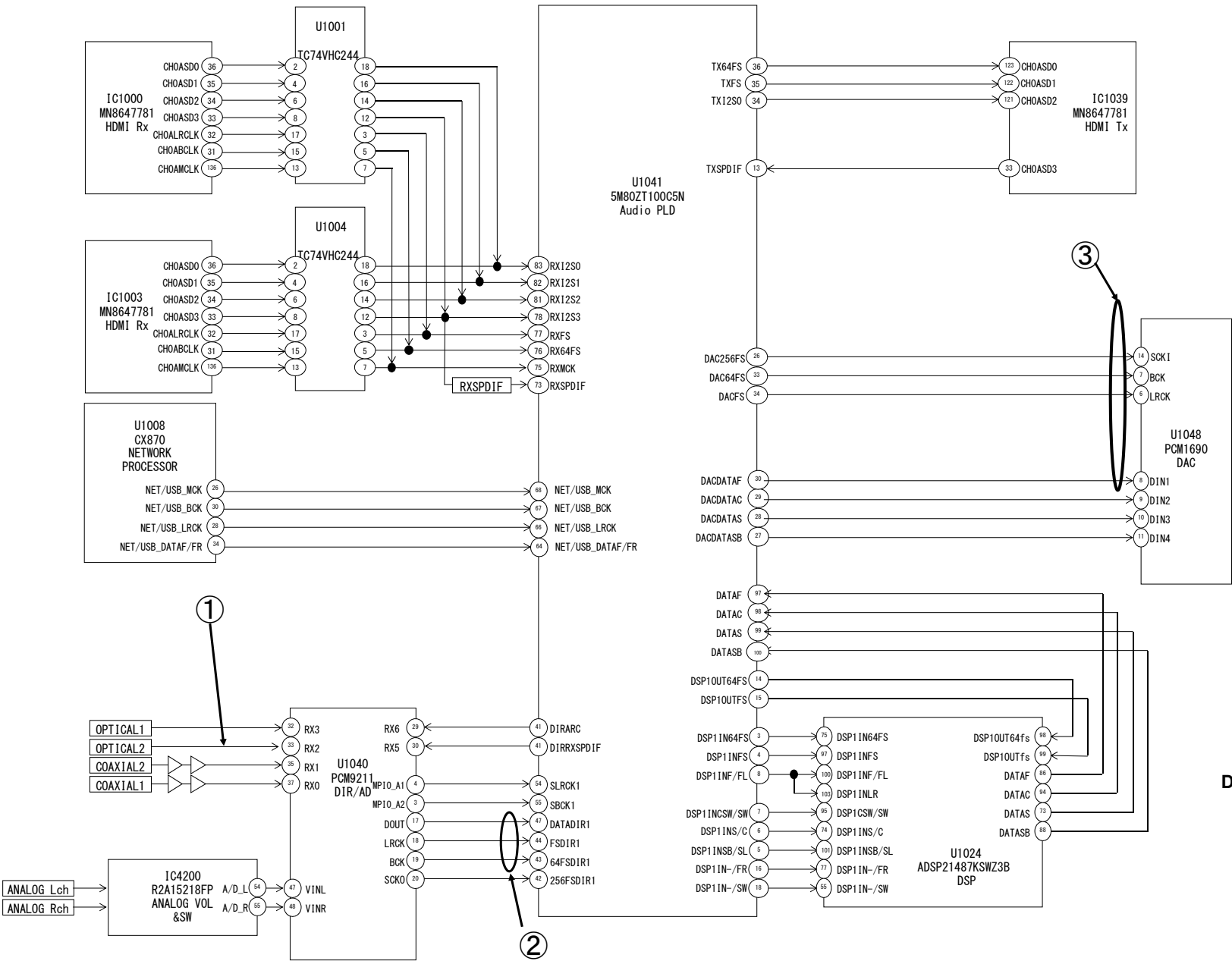
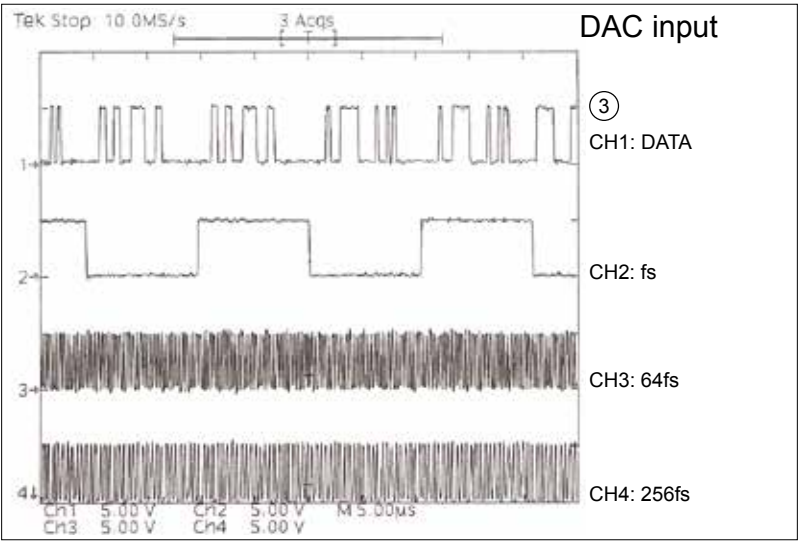
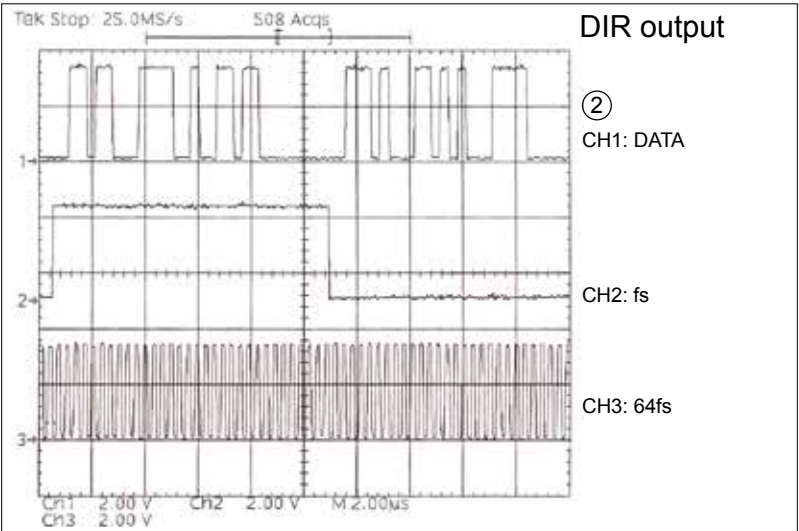
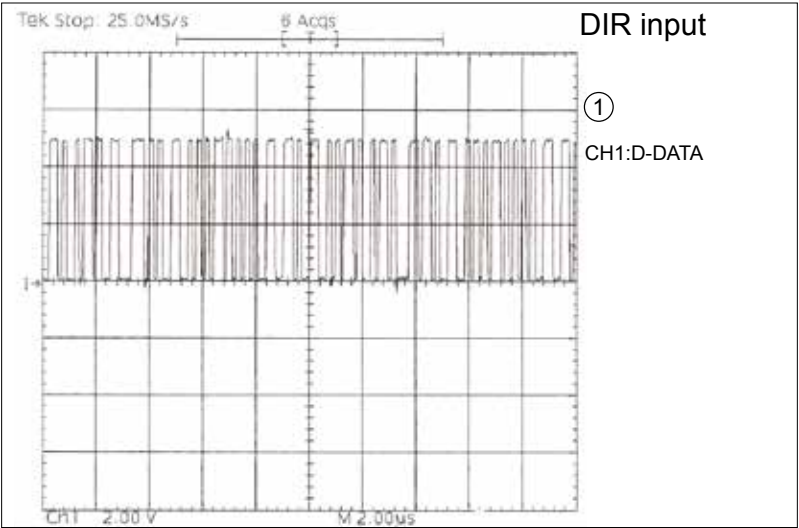
Set



Personal notes:

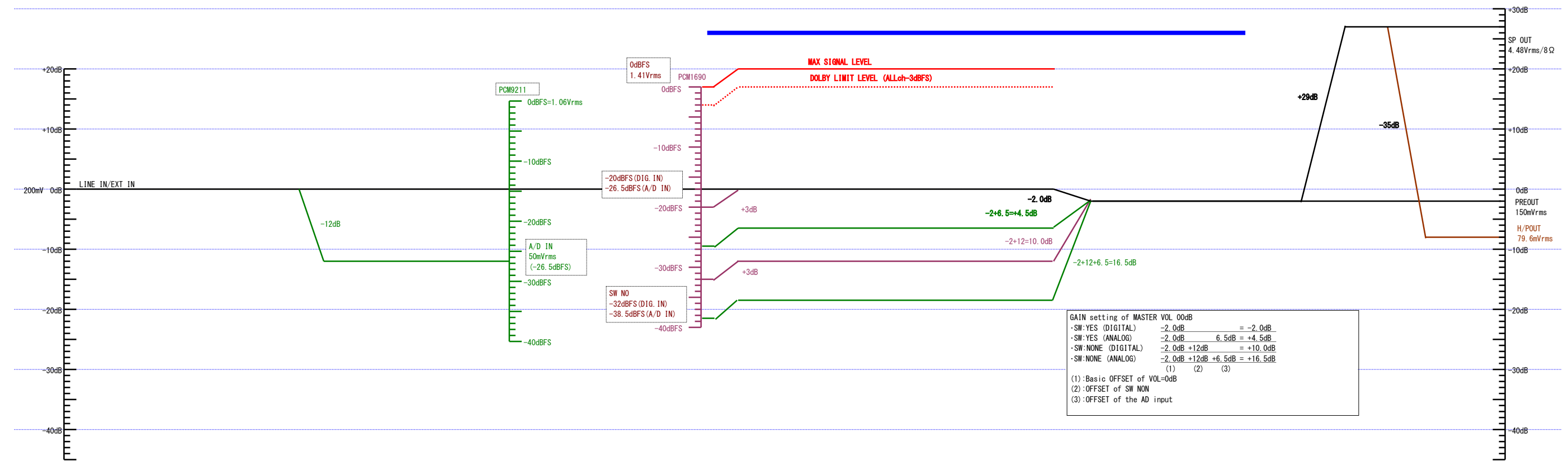
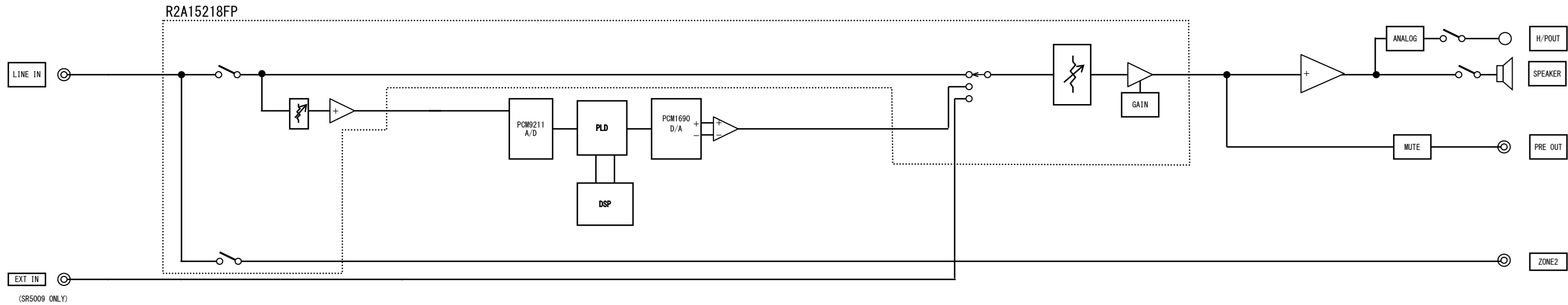
CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK

WAVE FORM

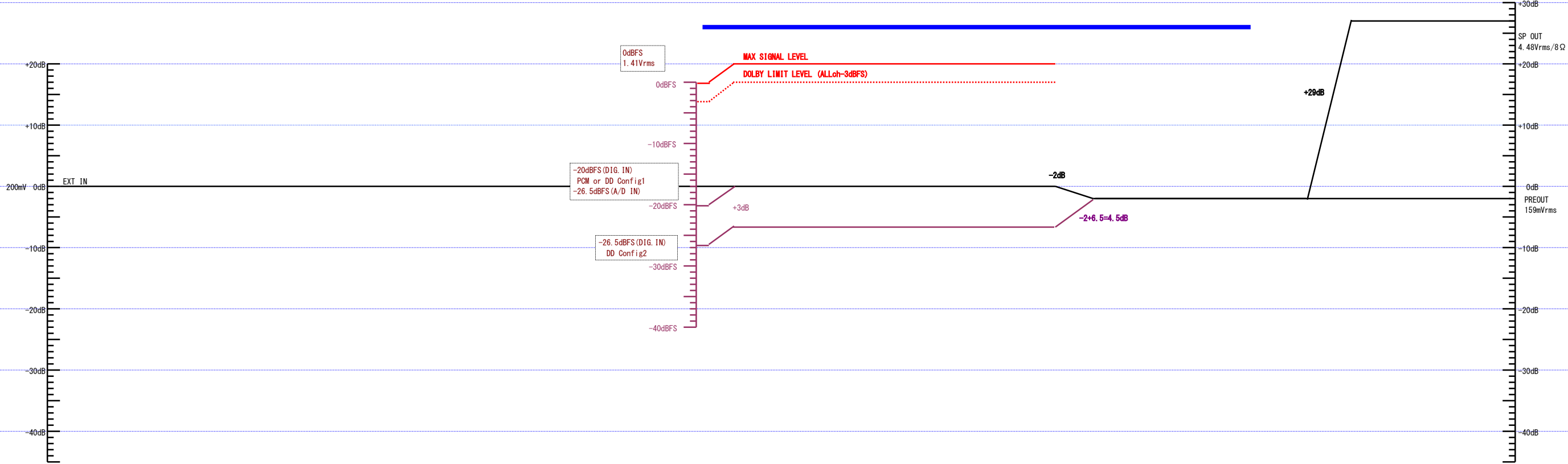
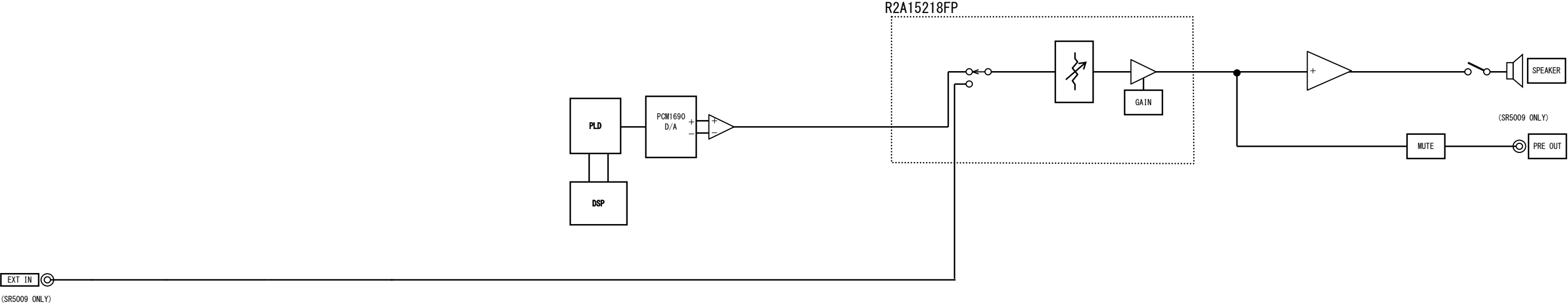


LEVEL DIAGRAM

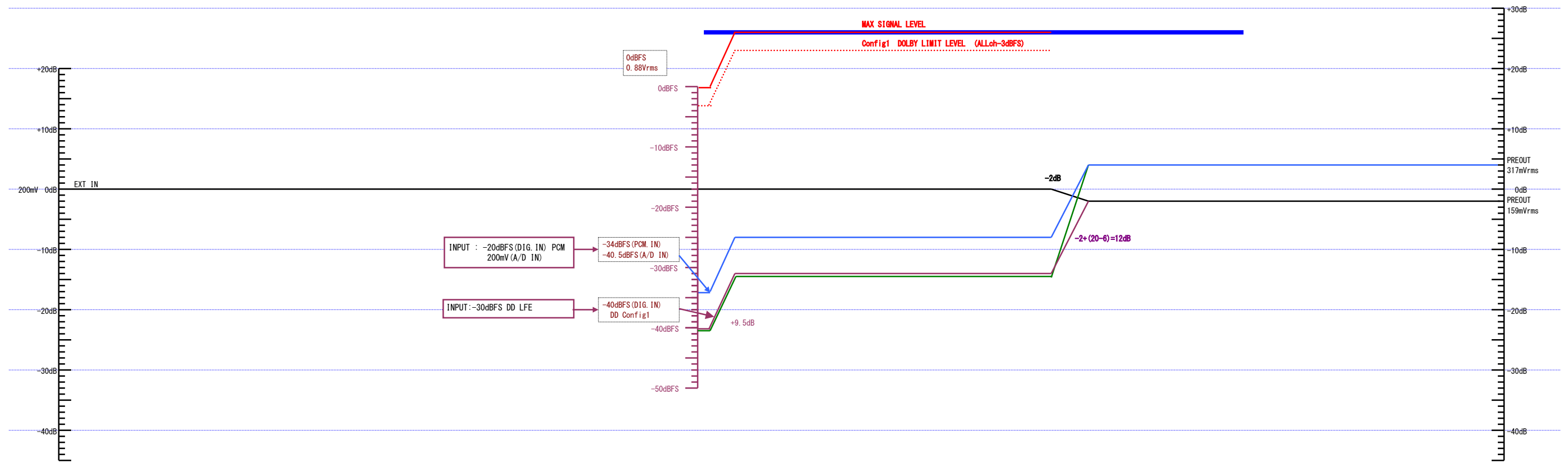
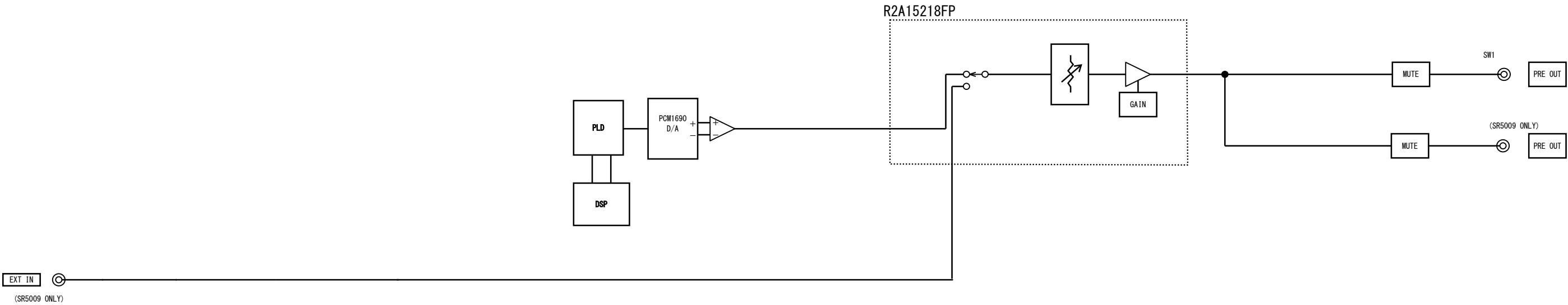
LEVEL DIAGRAM
FRONT ch



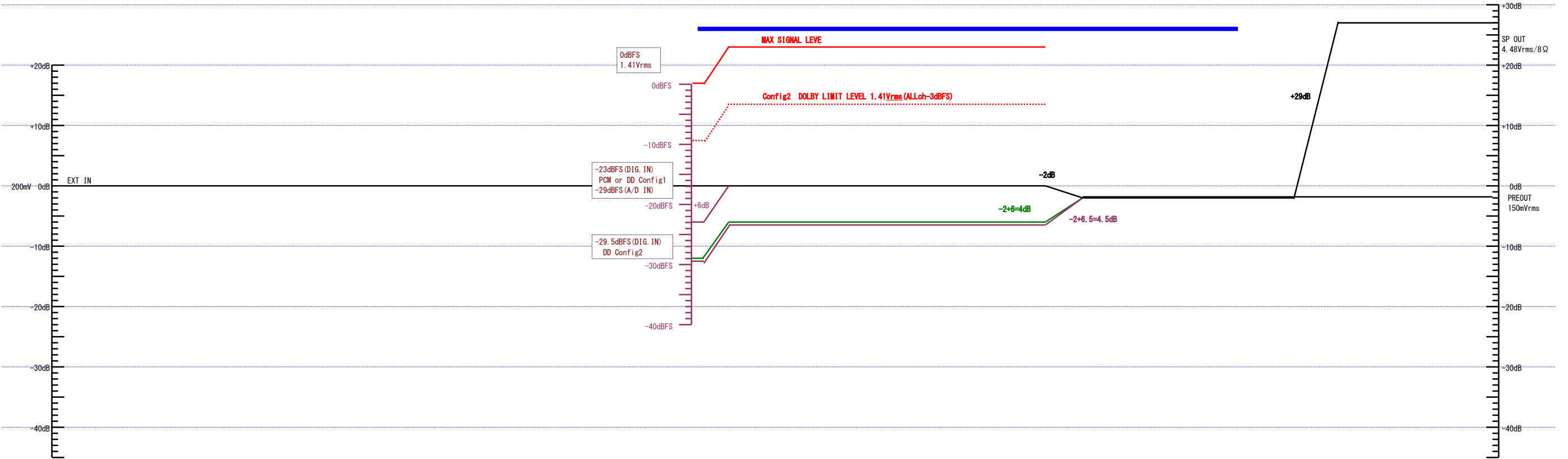
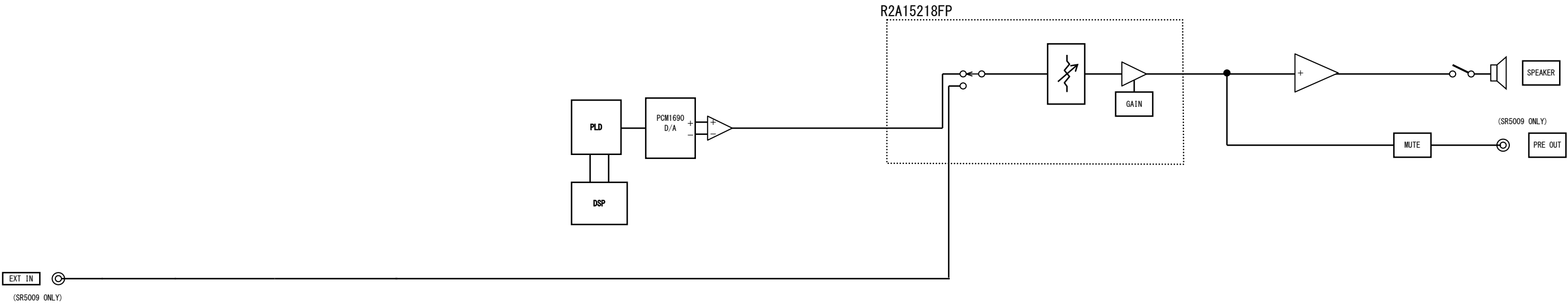
LEVEL DIAGRAM
CENTER ch



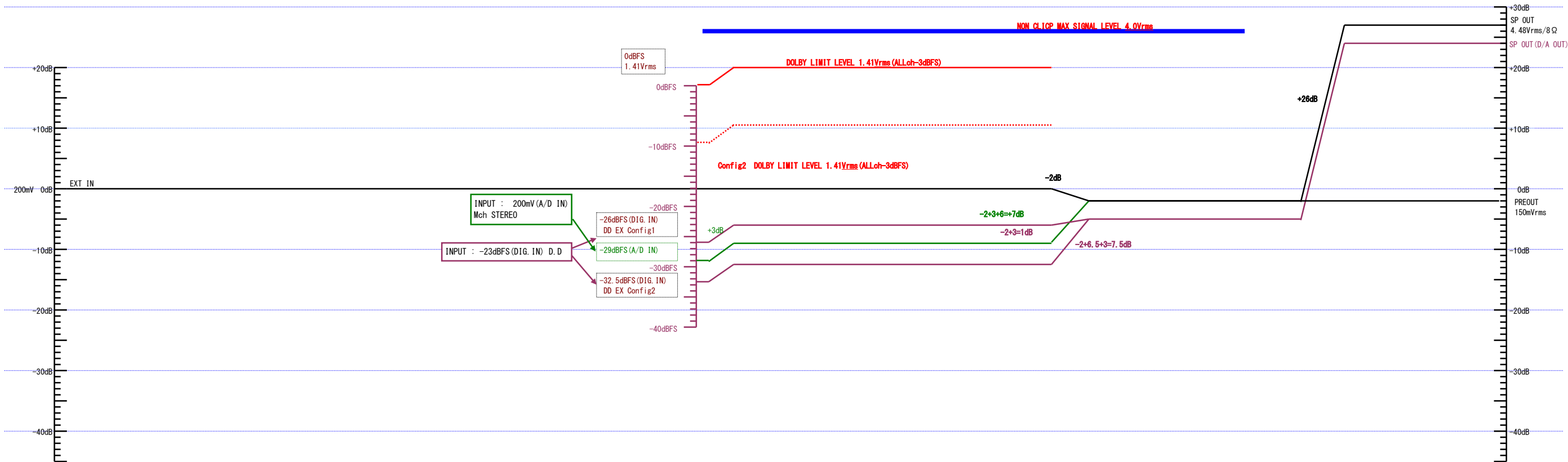
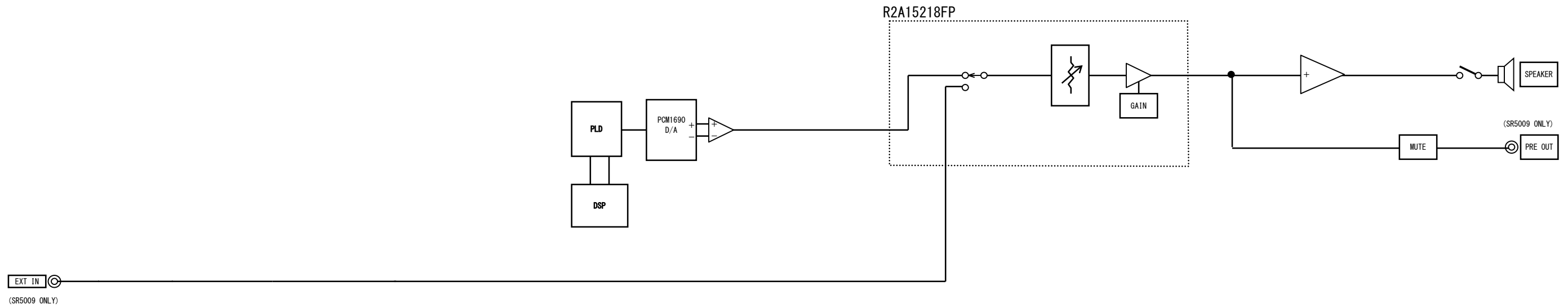
LEVEL DIAGRAM
SUBWOOFER ch



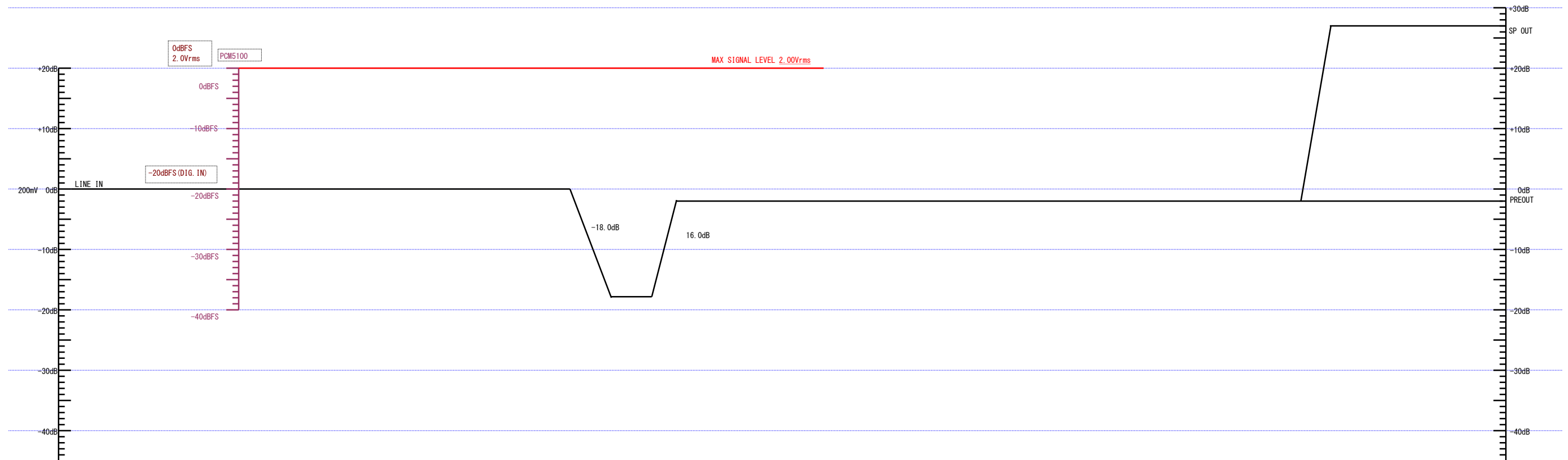
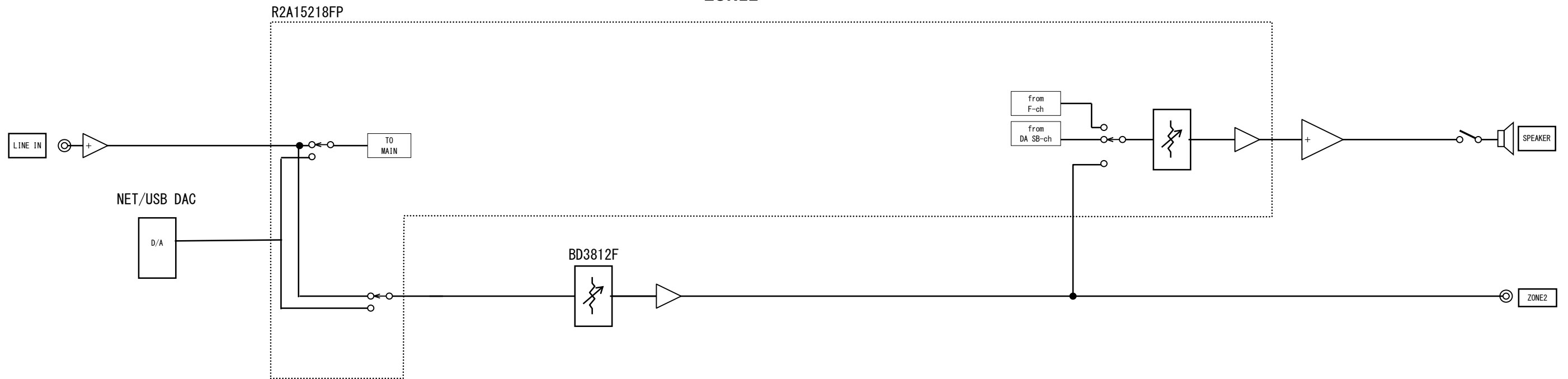
LEVEL DIAGRAM
SURROUND ch



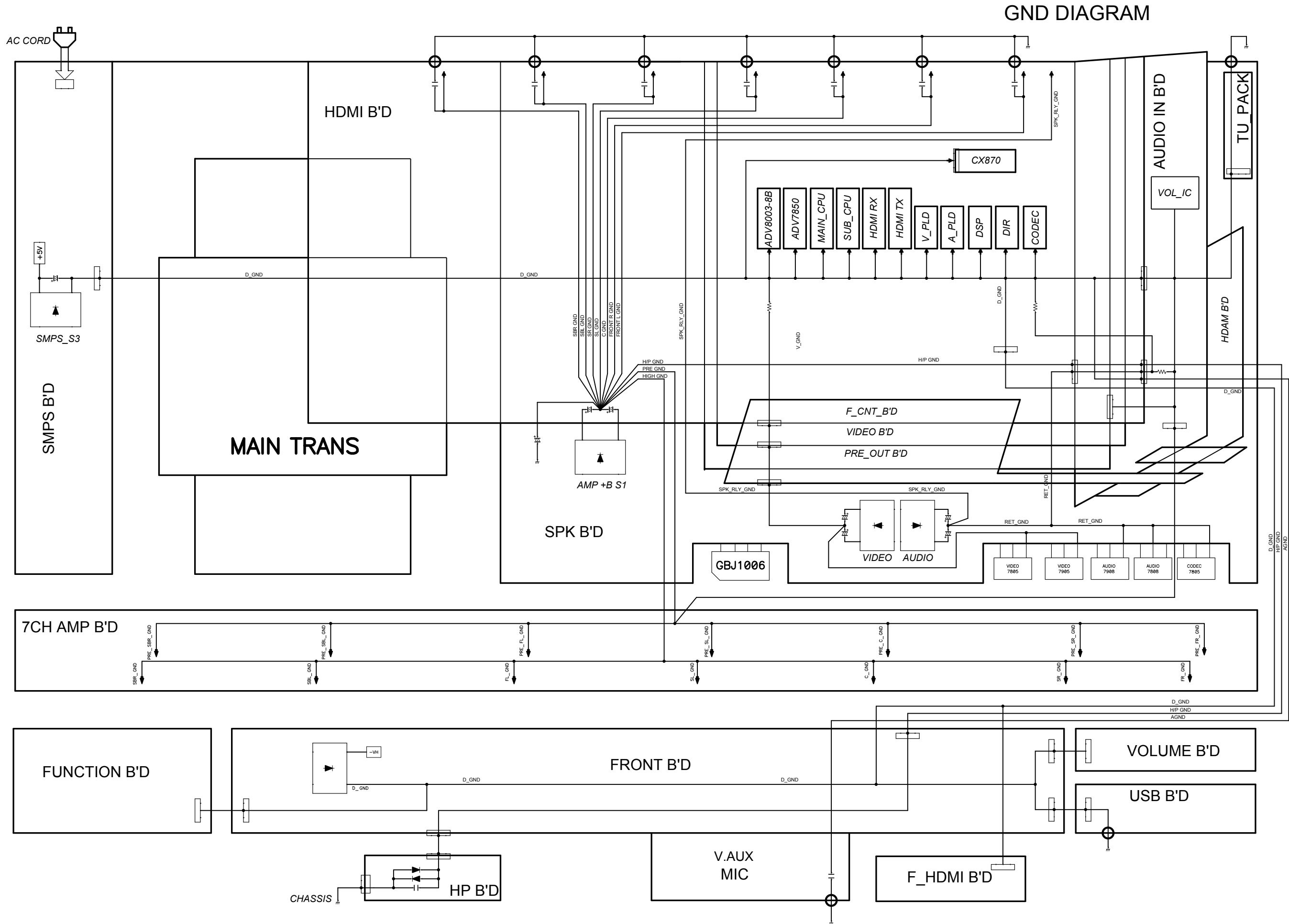
LEVEL DIAGRAM
SURR.BACK ch



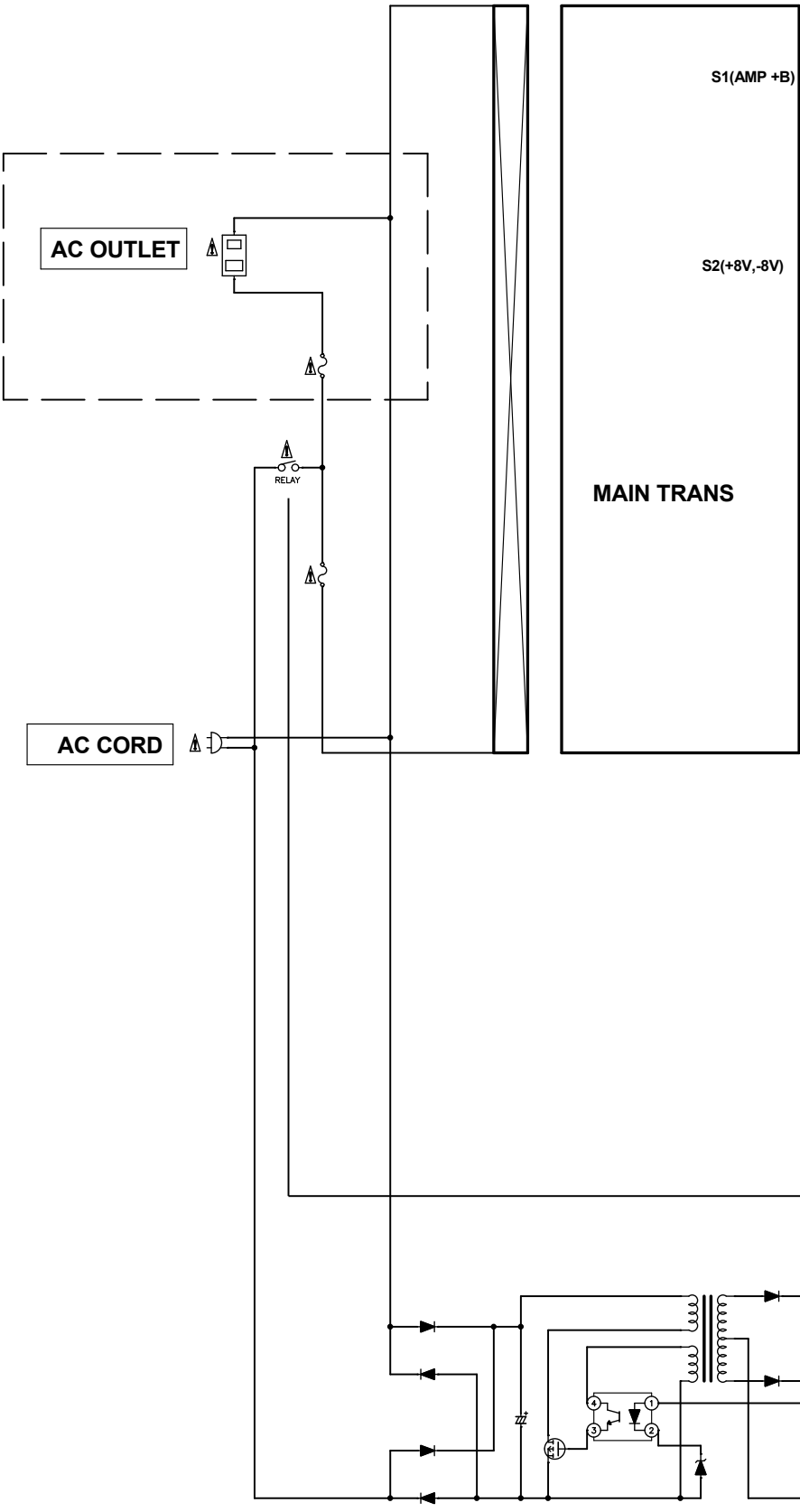
LEVEL DIAGRAM ZONE2



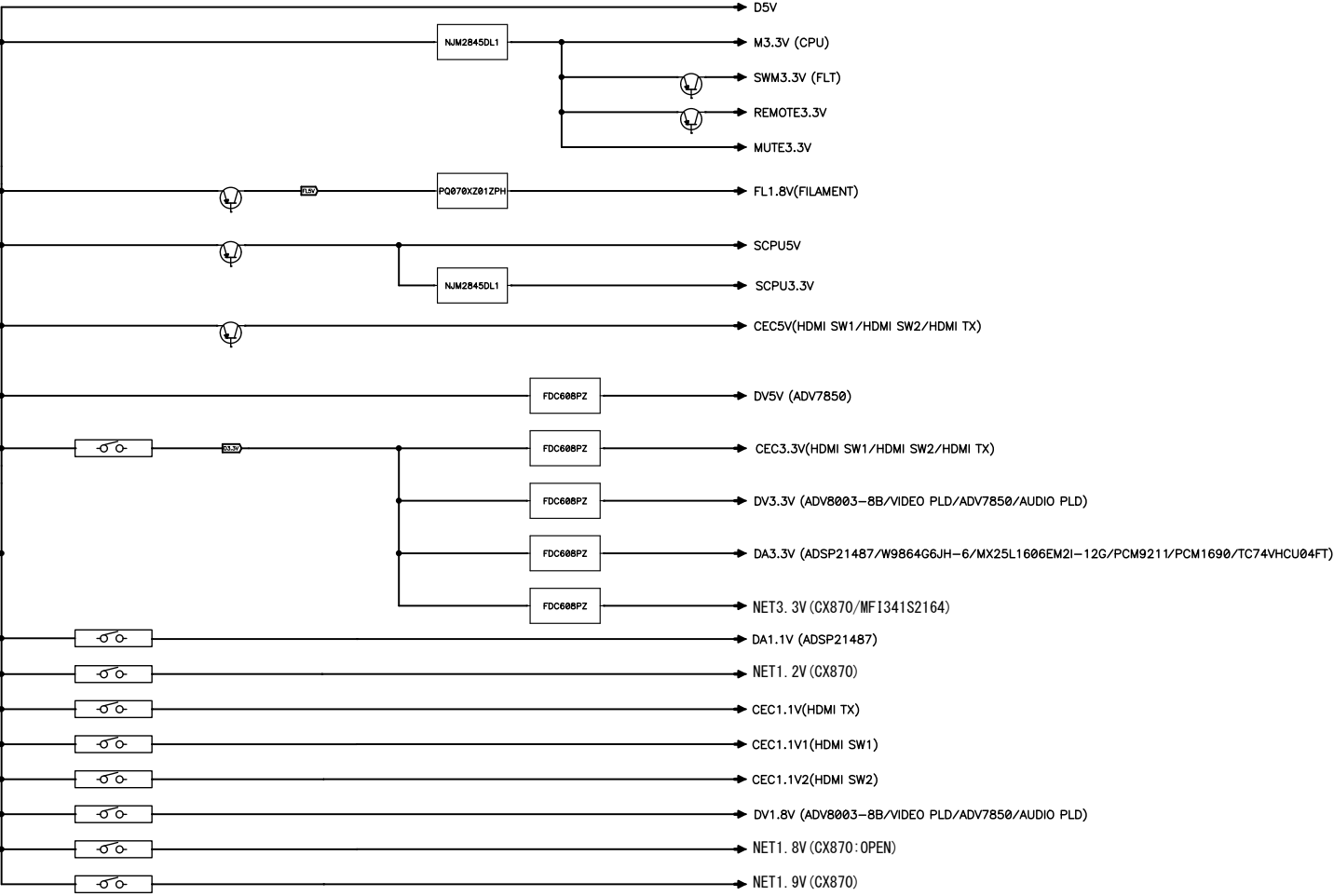
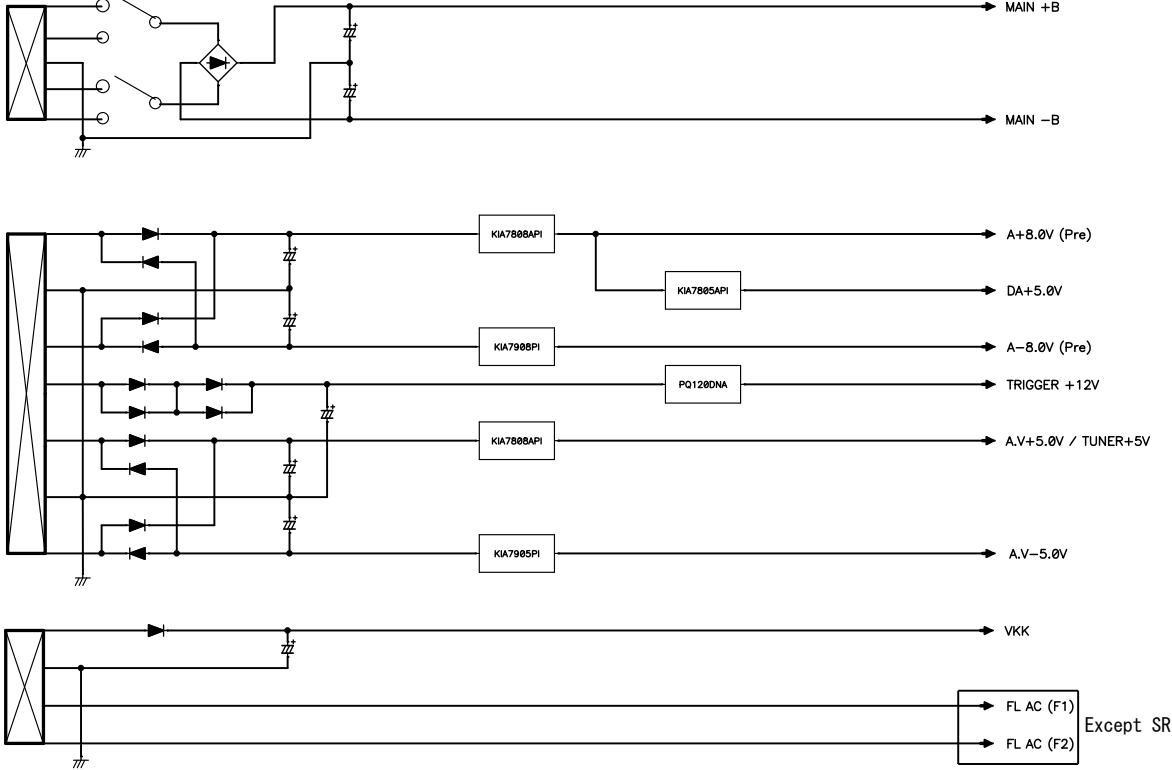
BLOCK DIAGRAM



POWER DIAGRAM

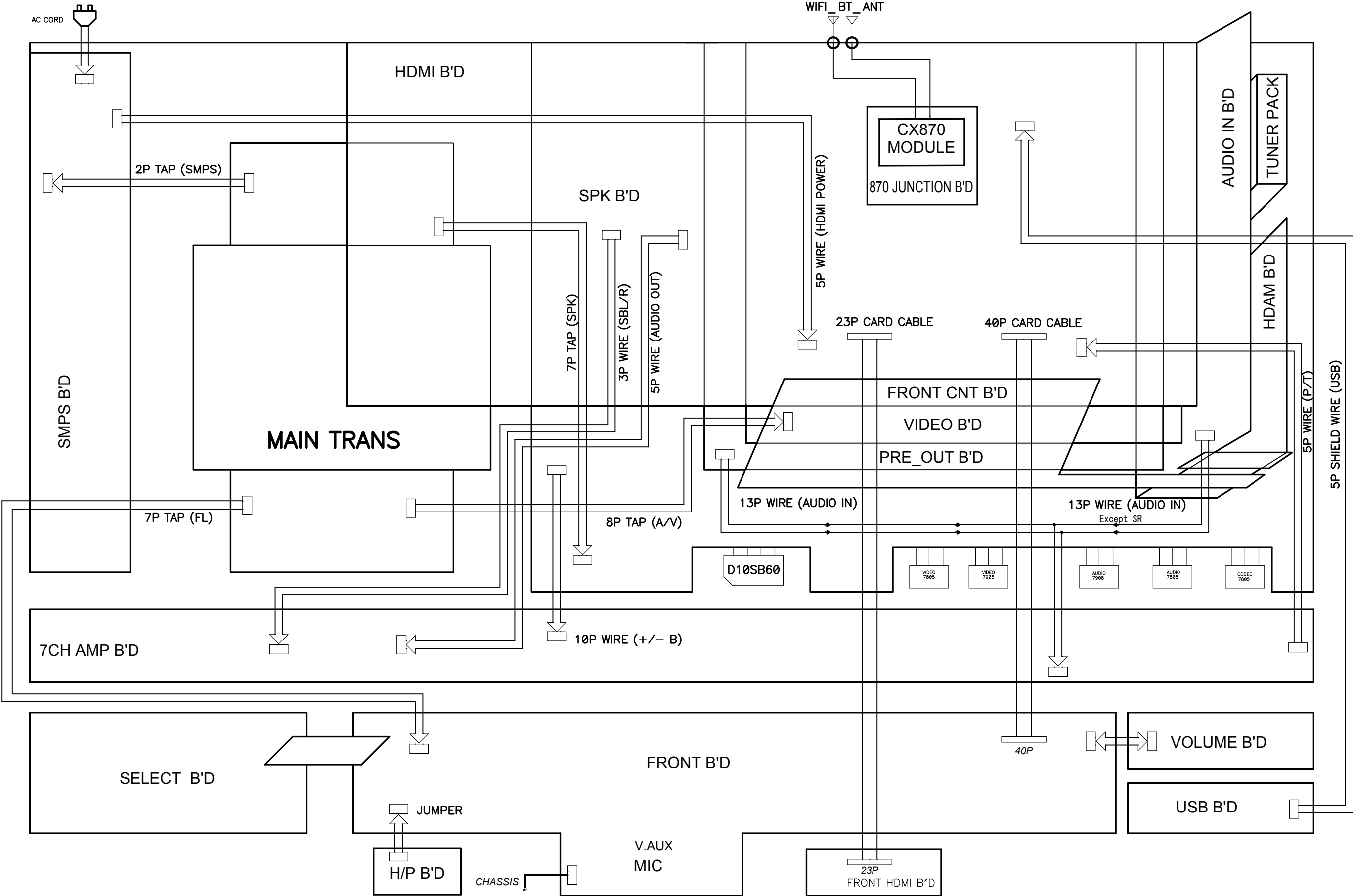


VCC DIAGRAM

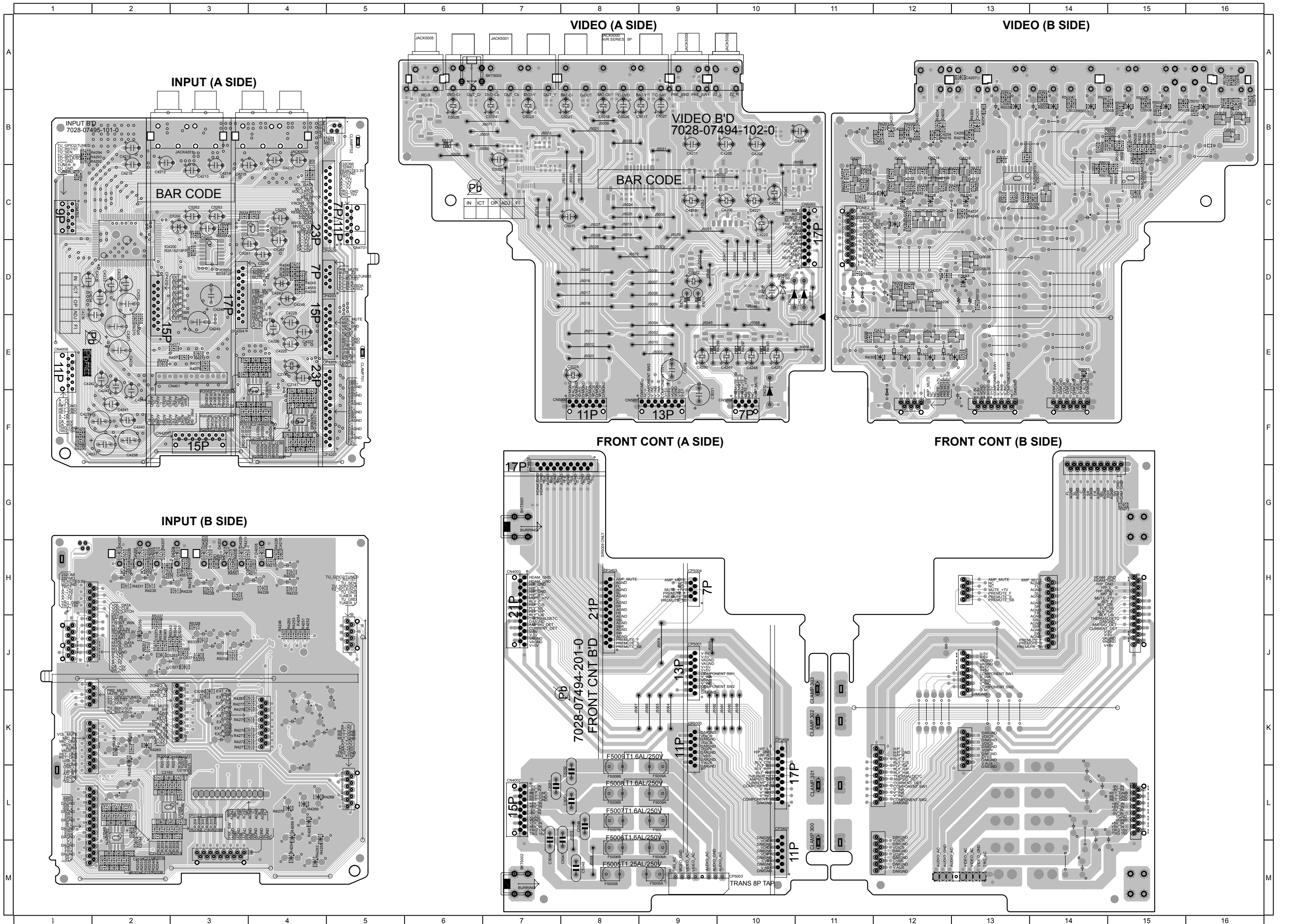


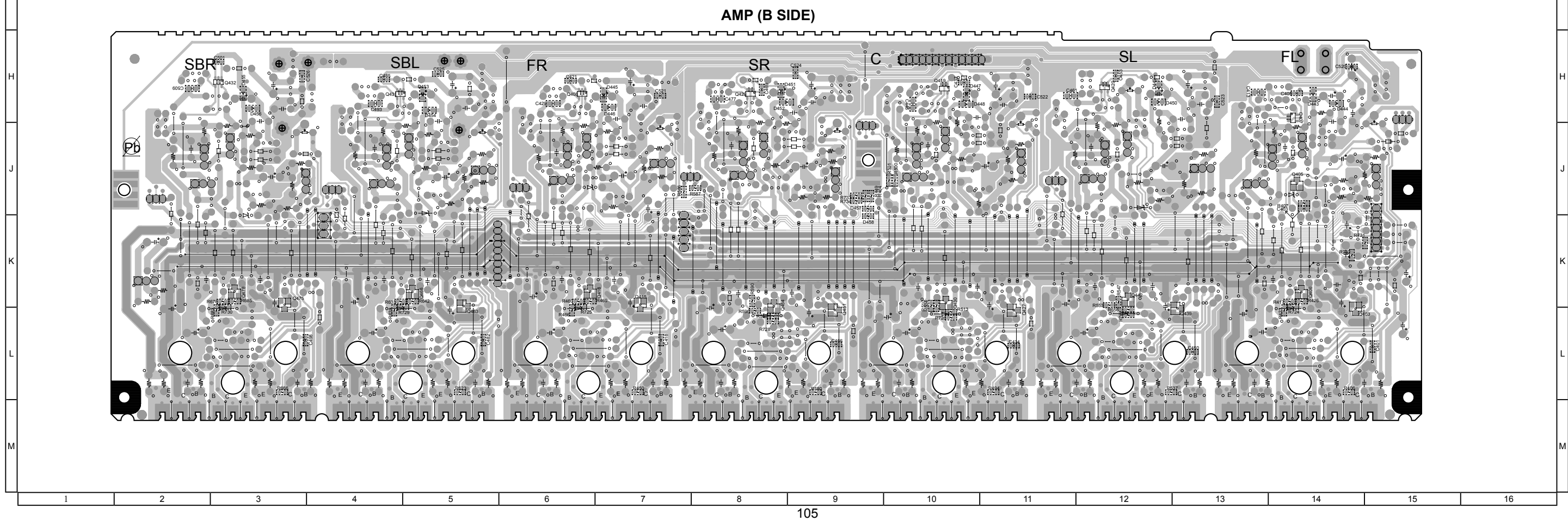
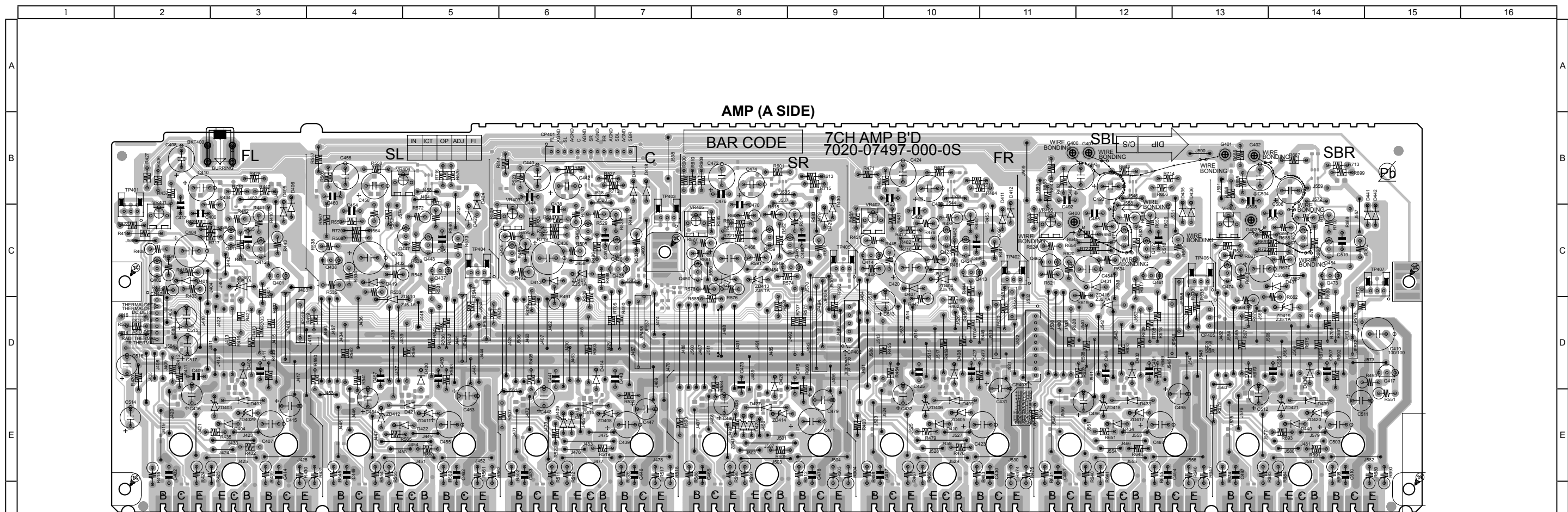
WIRING DIAGRAM

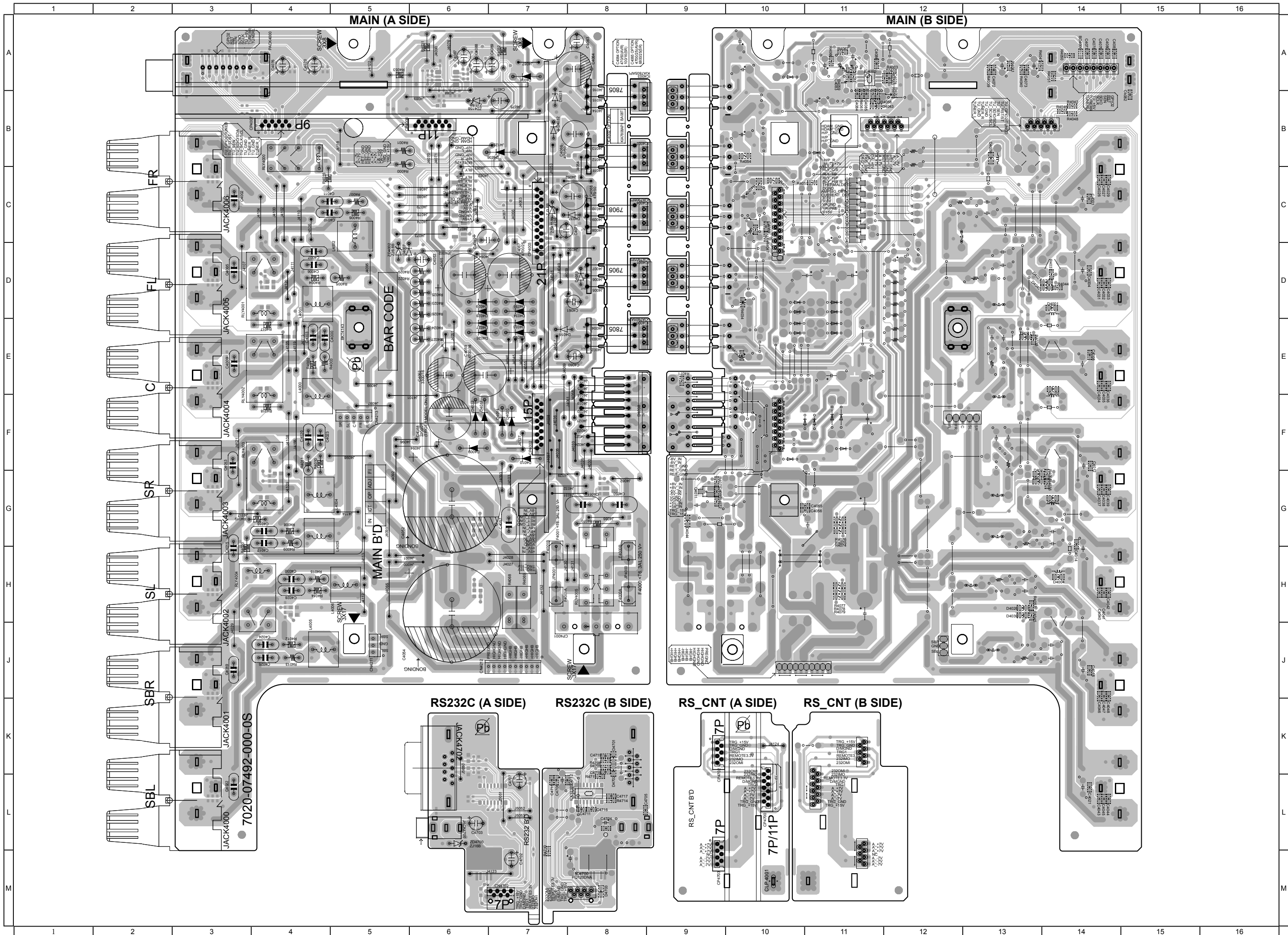
WIRE DIAGRAM

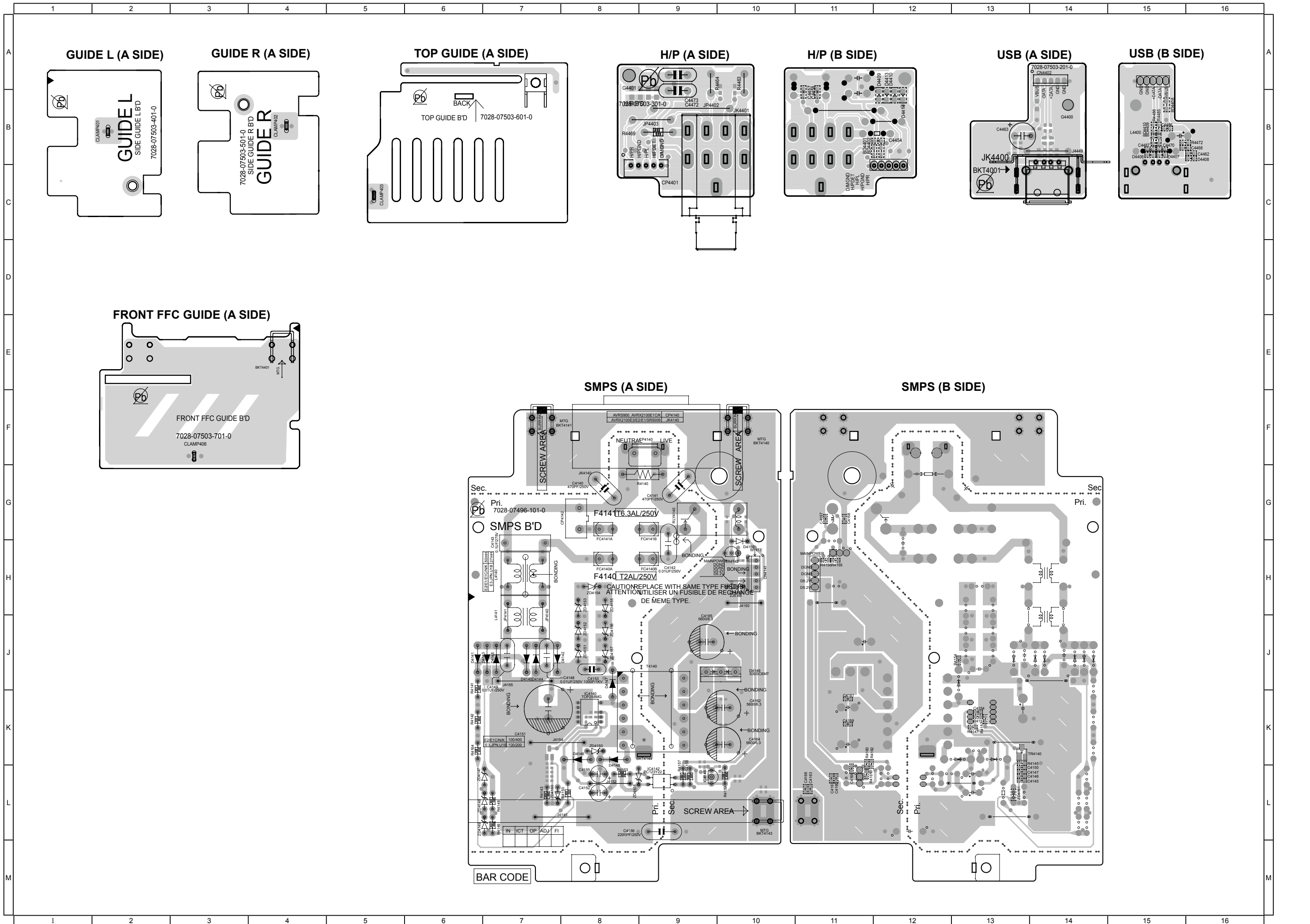


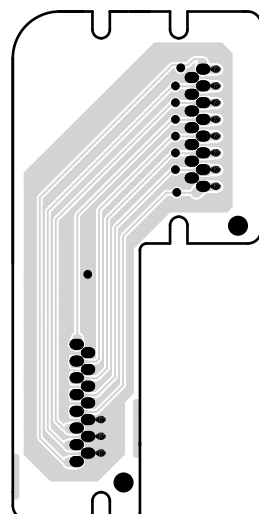
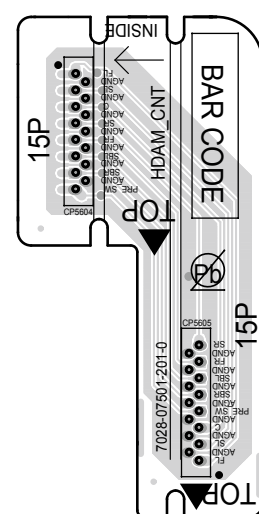
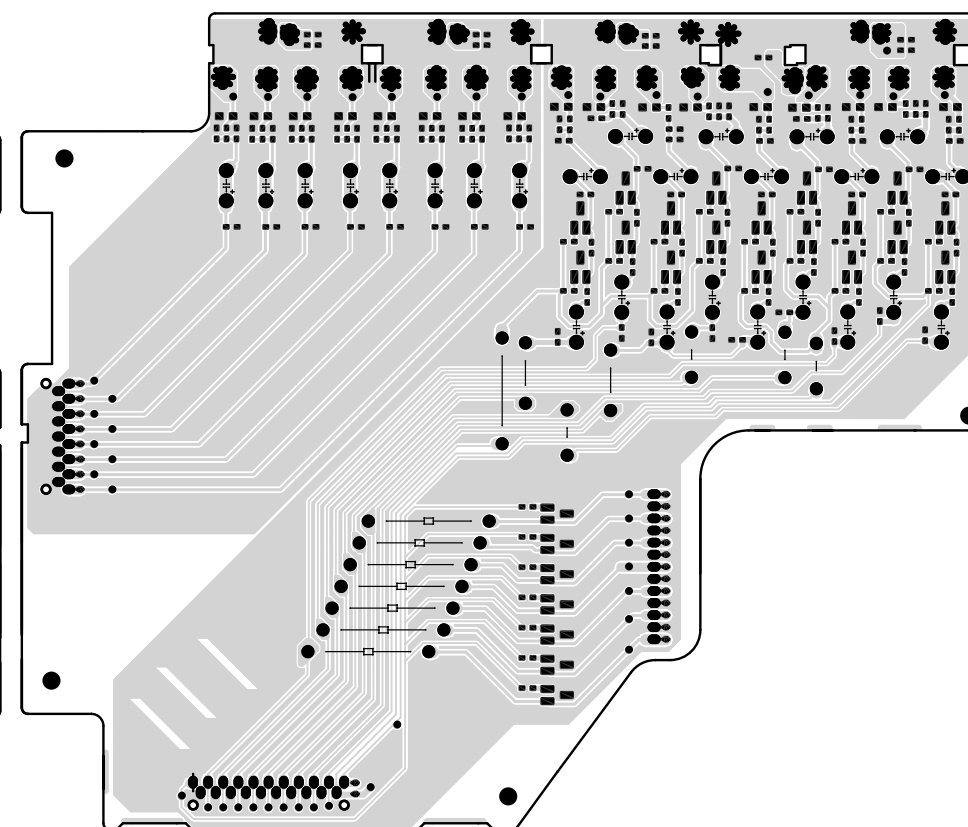
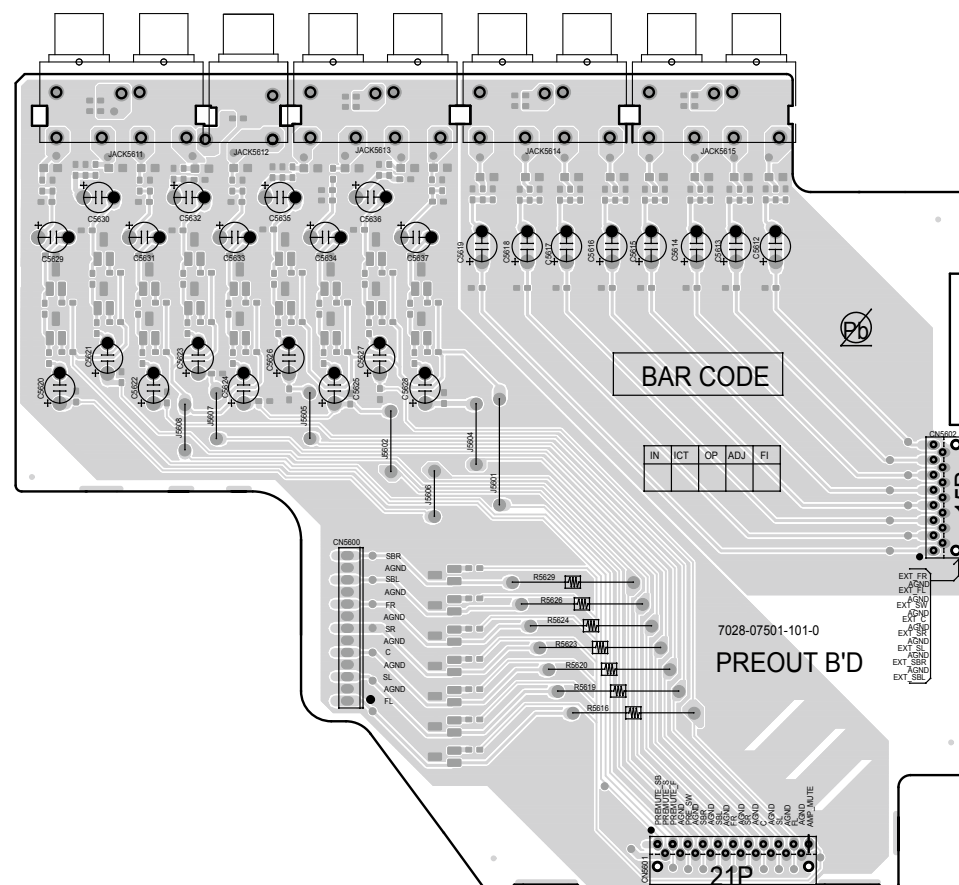
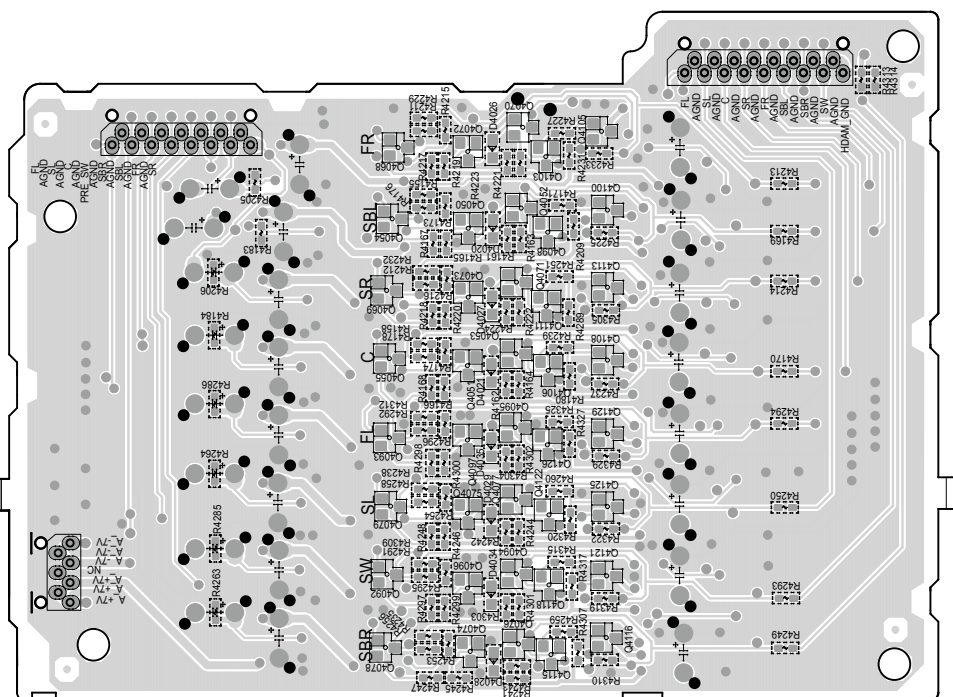
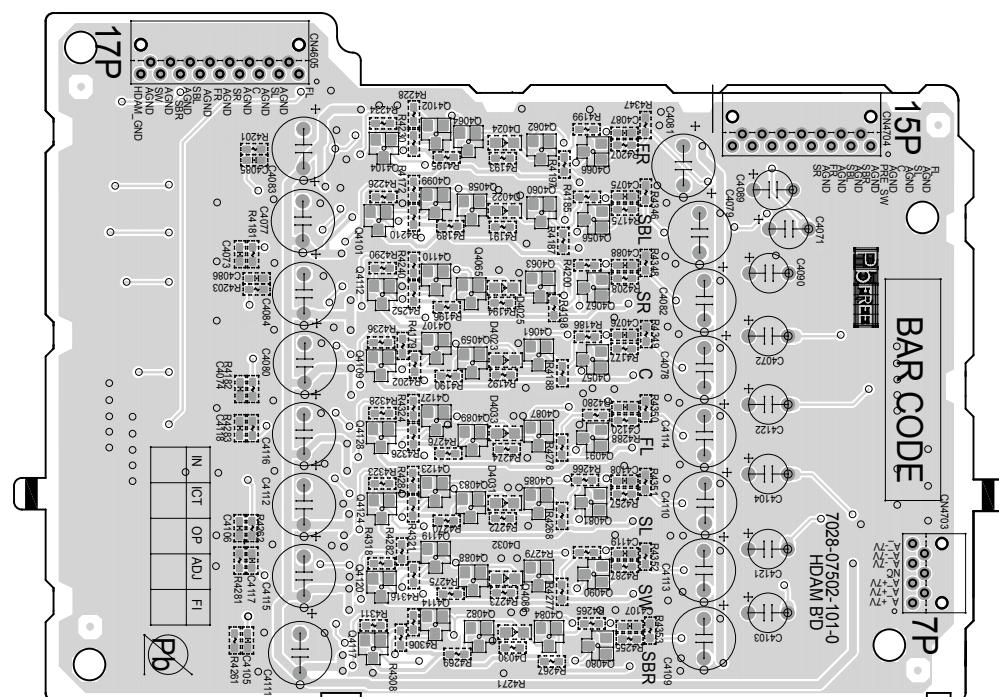
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

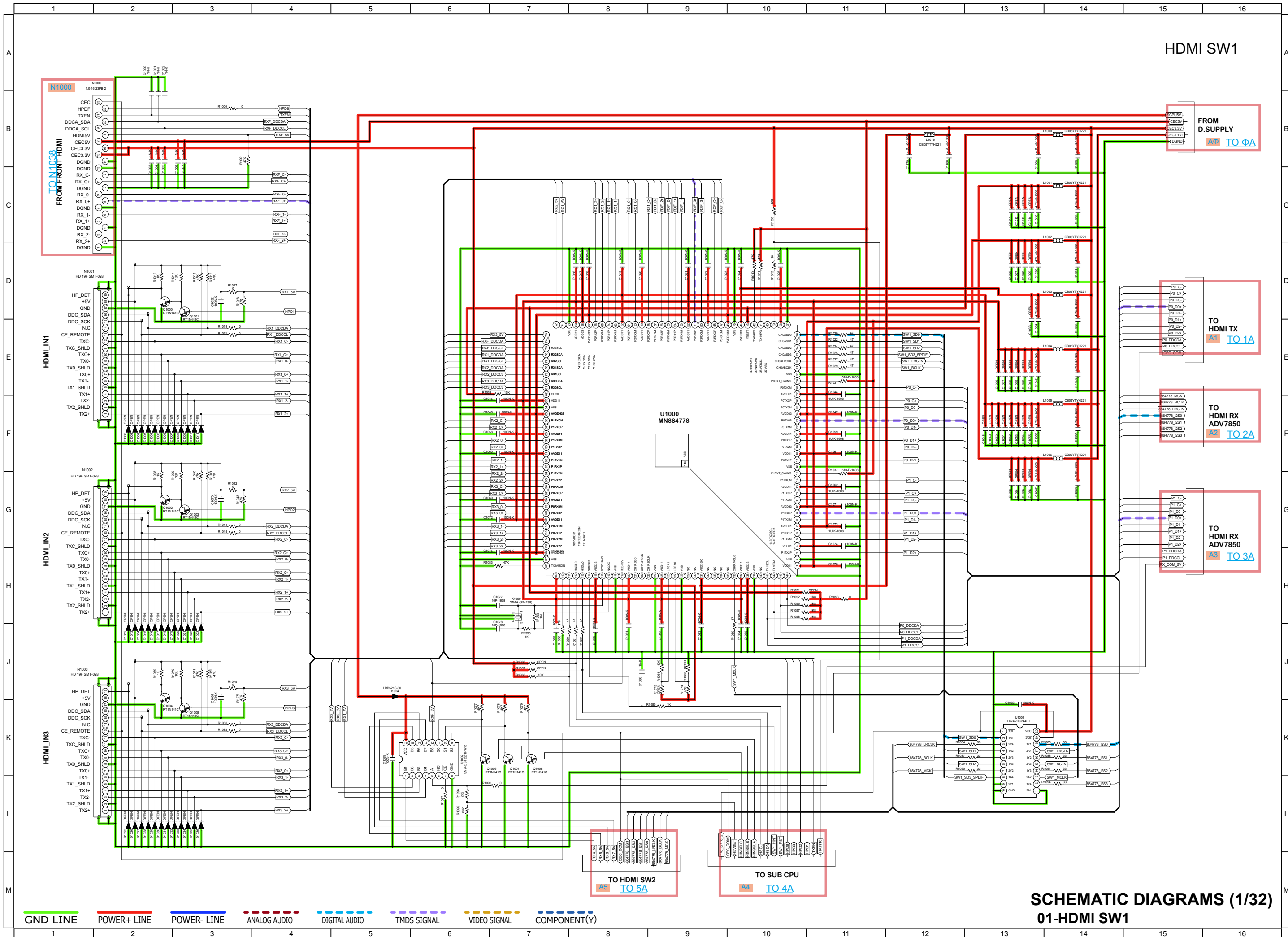




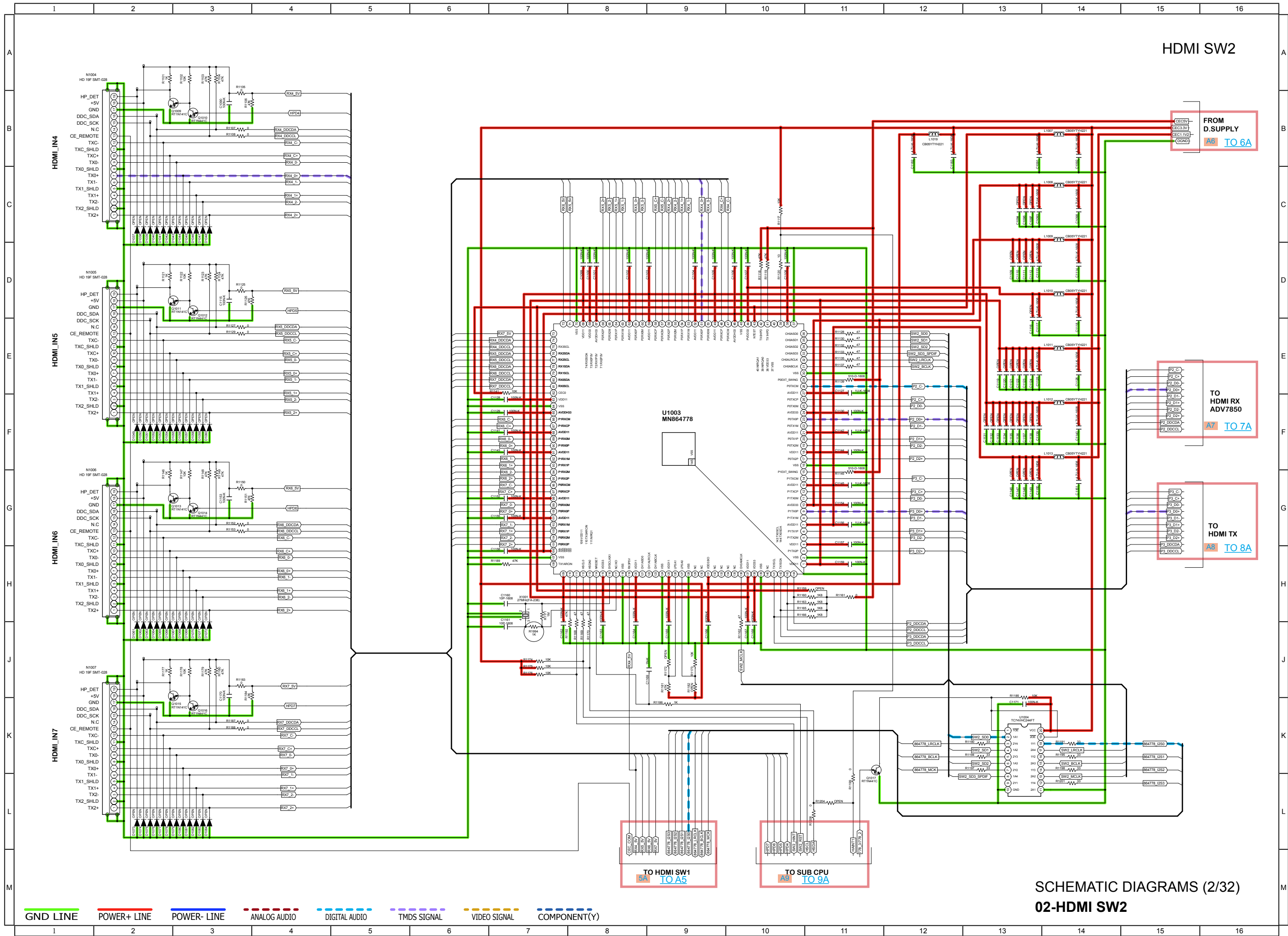


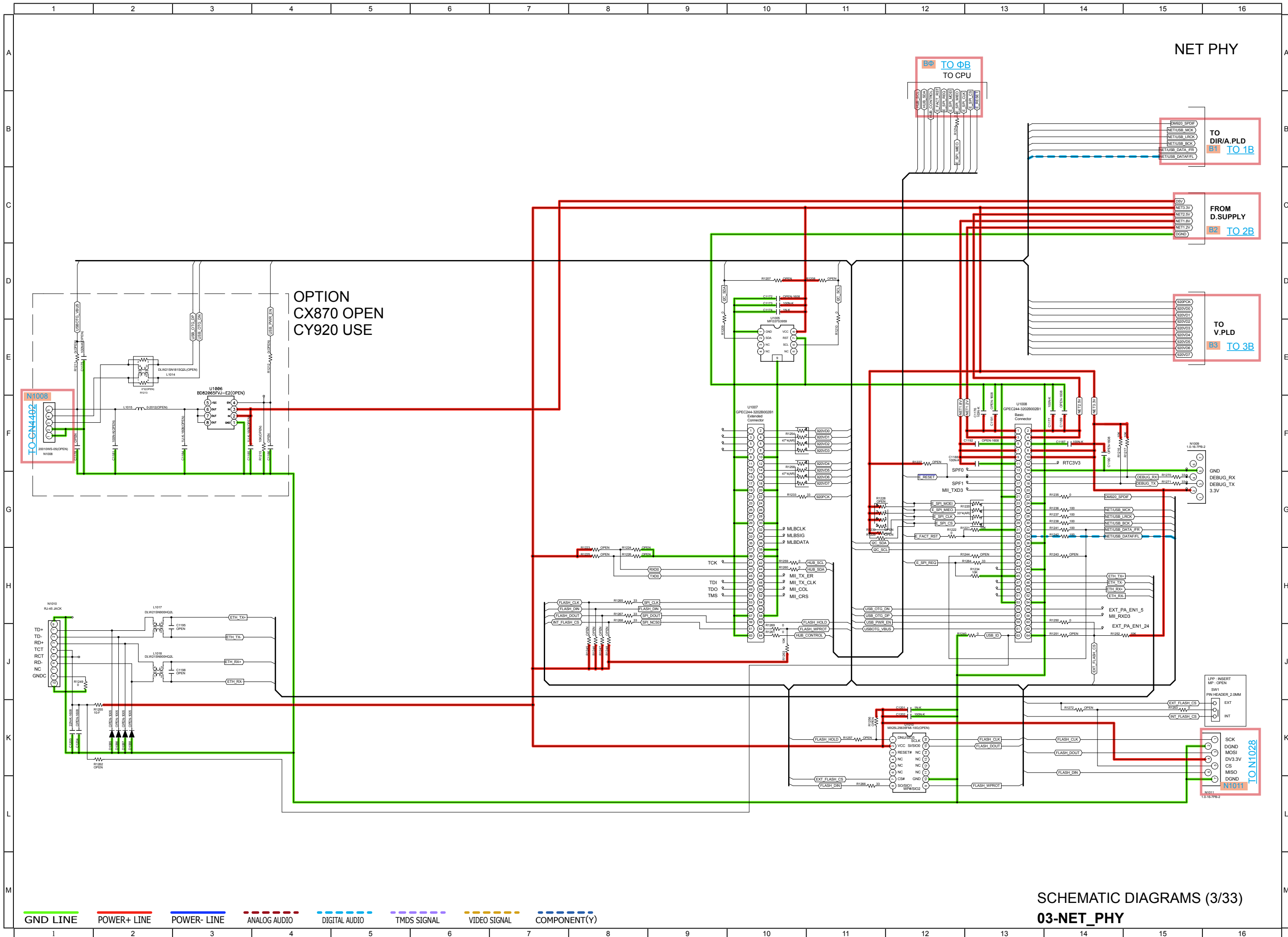






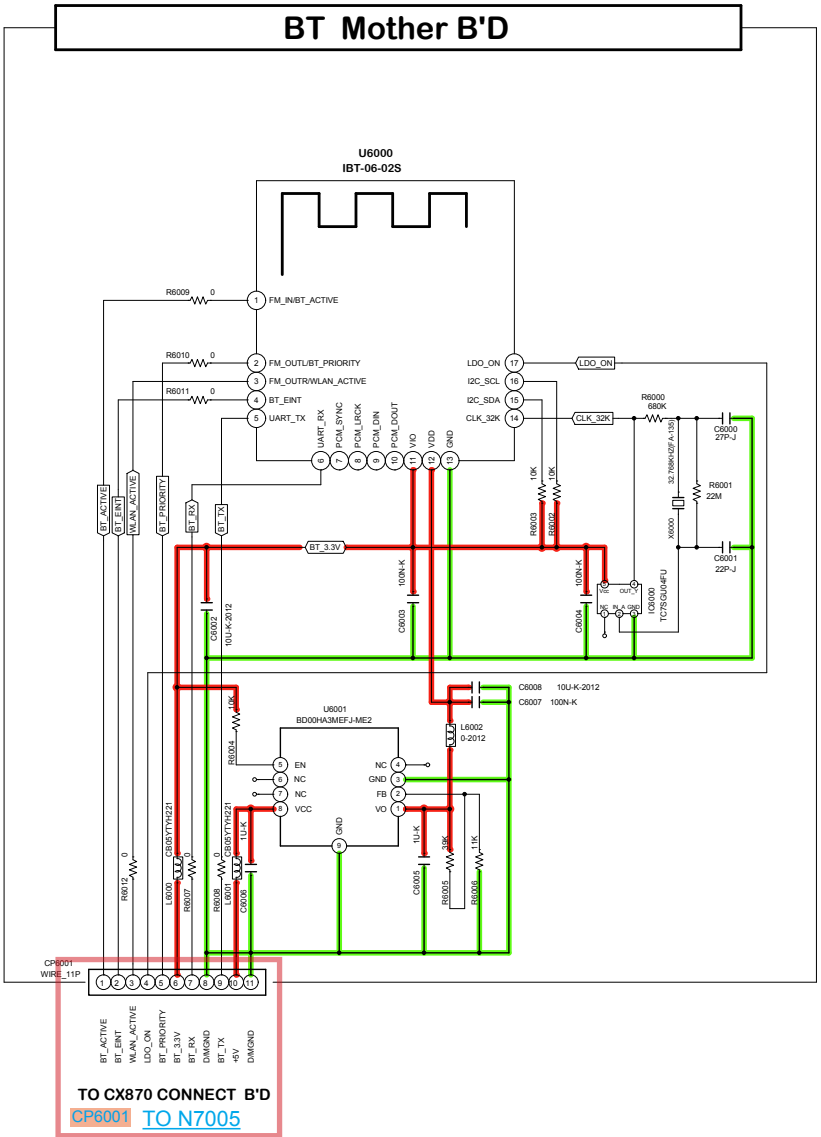
SCHEMATIC DIAGRAMS (1/32)
01-HDMI SW1



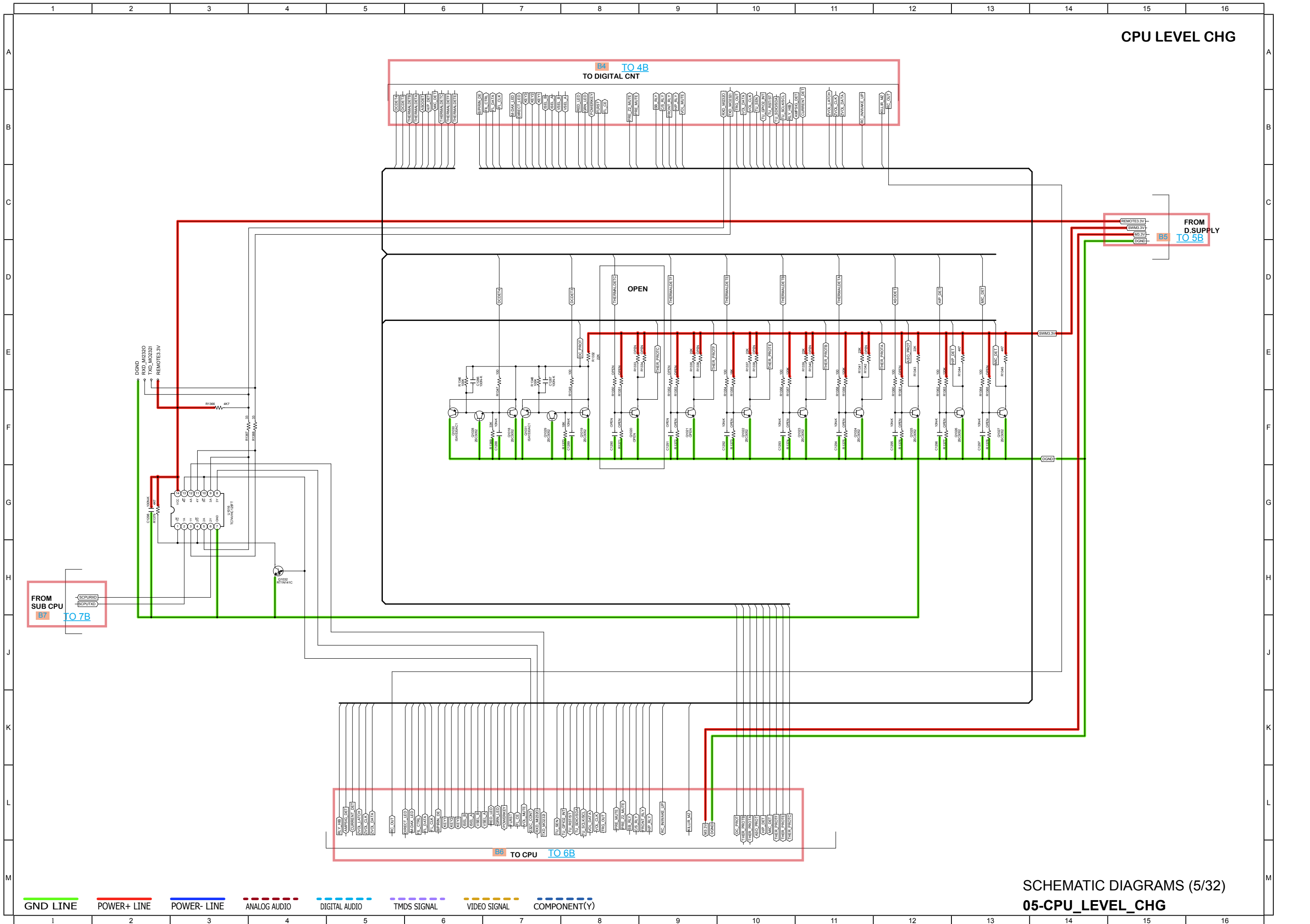


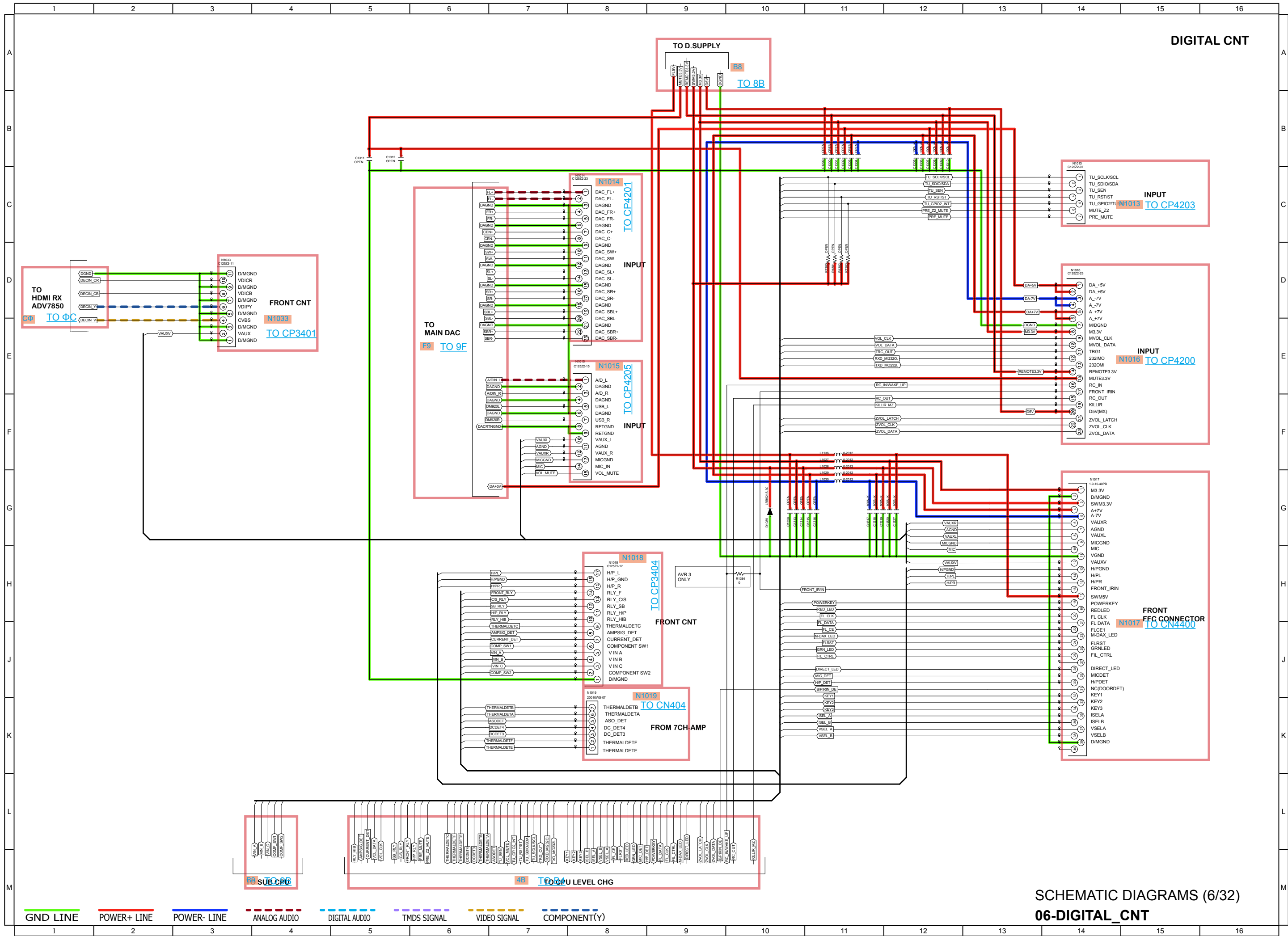
SCHEMATIC DIAGRAMS (3/33)
03-NET_PHY

BlueTooth Mother
REF: 6000-6100

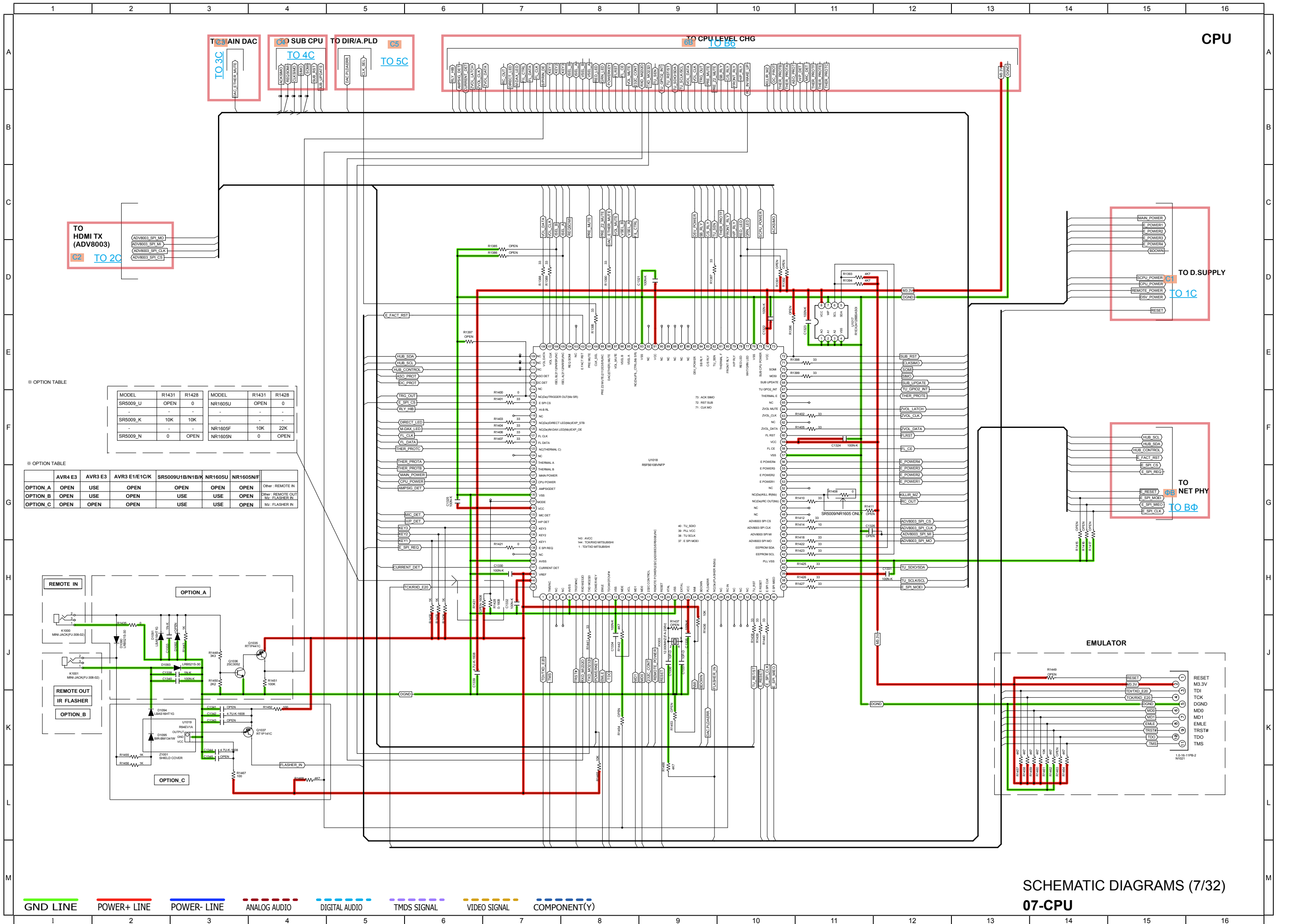


GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMDS SIGNAL VIDEO SIGNAL COMPONENT(Y)



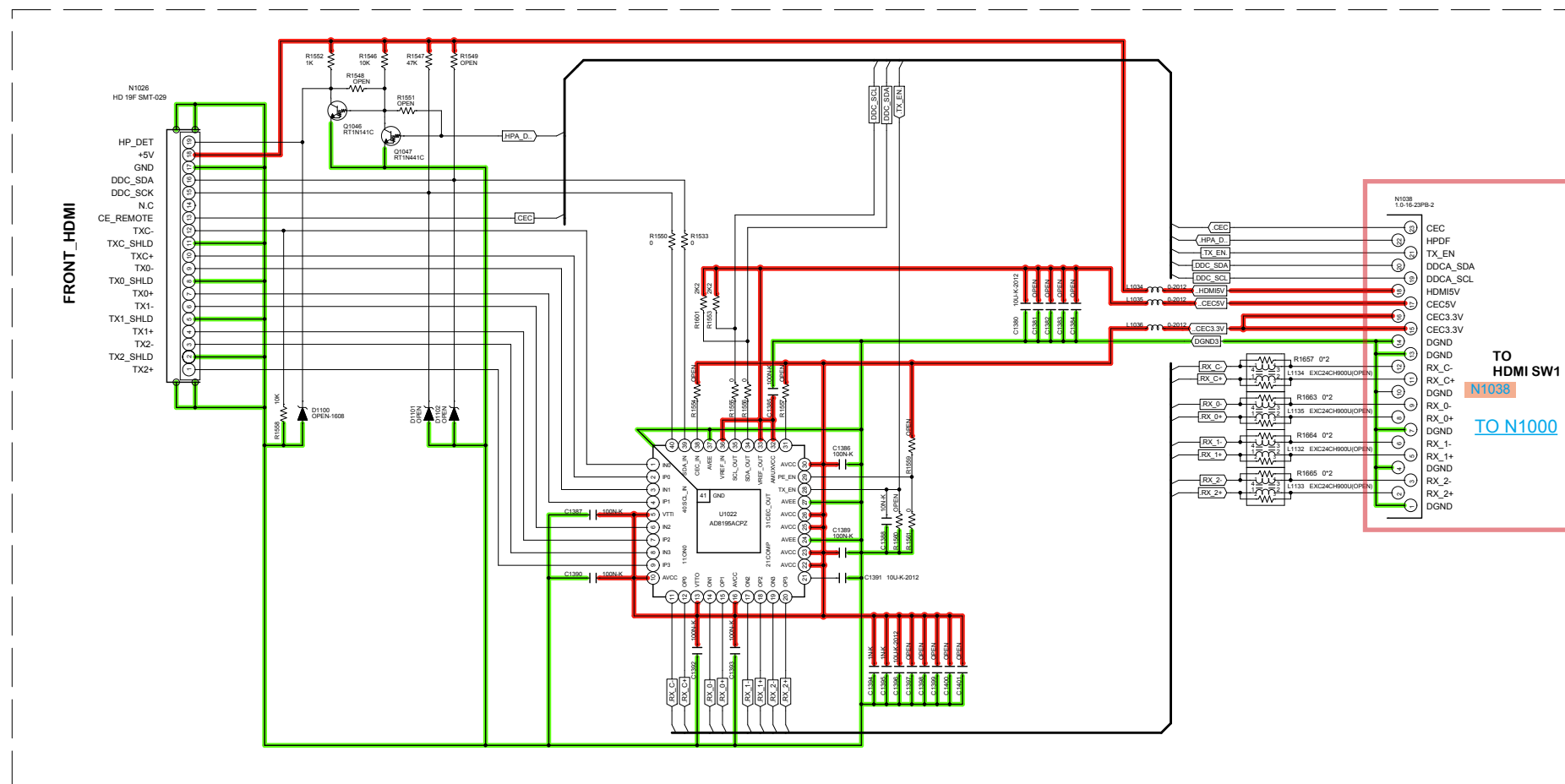


SCHEMATIC DIAGRAMS (6/32)
06-DIGITAL_CNT



SCHEMATIC DIAGRAMS (7/32)
07-CPU

FRONT HDMI



SCHEMATIC DIAGRAMS (9/32)

09-FRONT_HDMI

GND LINE

POWER+ LINE

POWER- LINE

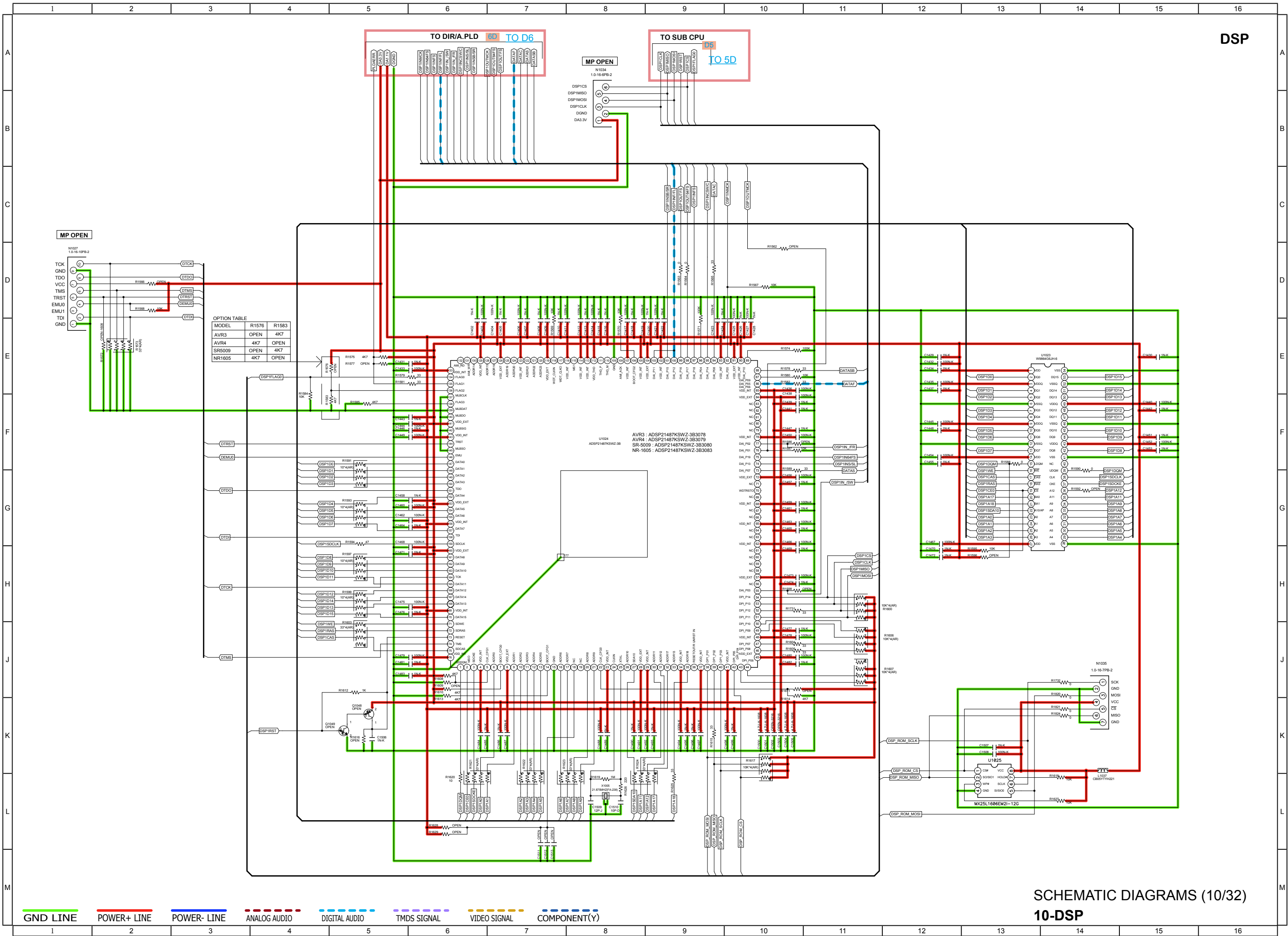
ANALOG AUDIO

DIGITAL AUDIO

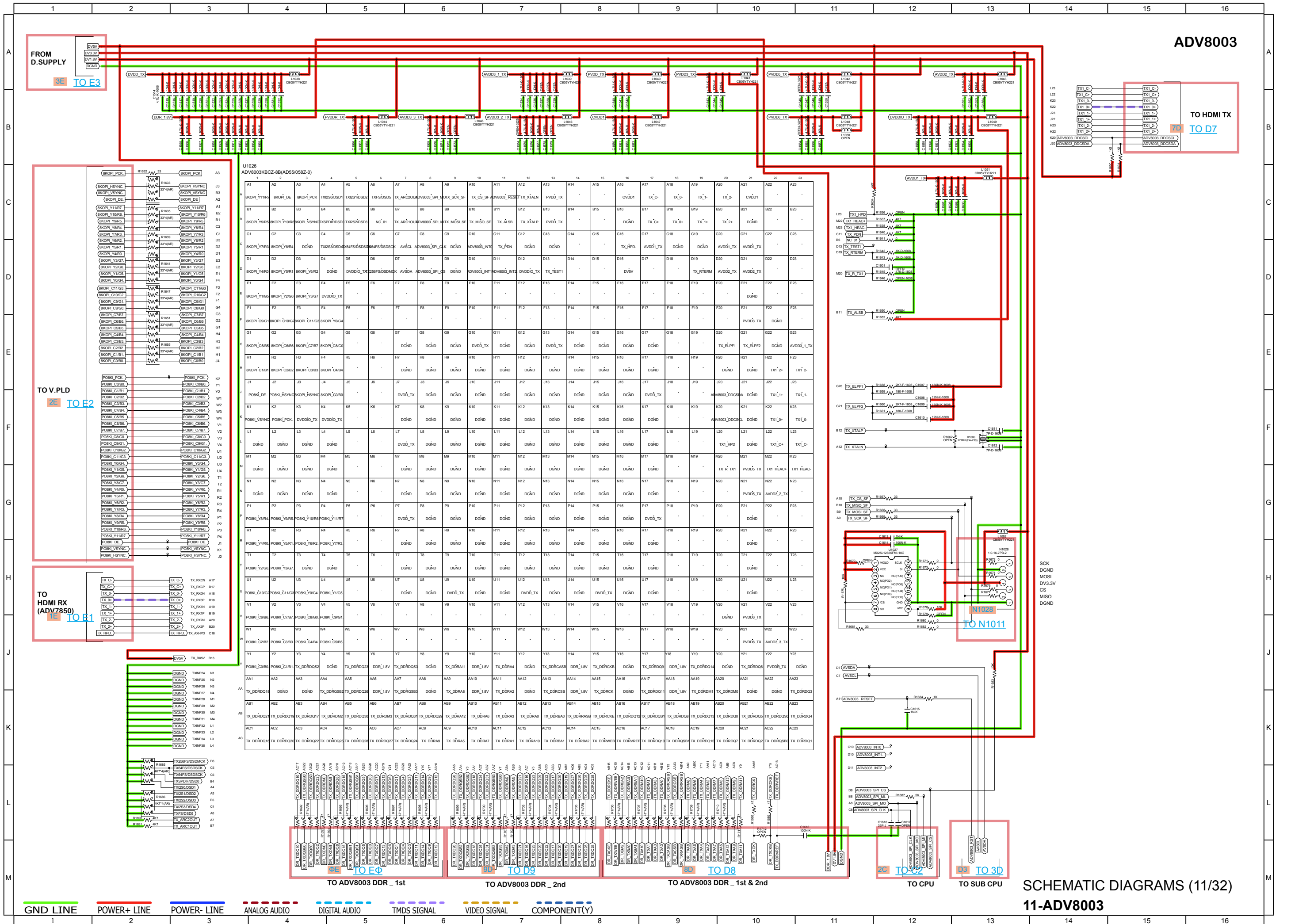
TMDS SIGNAL

VIDEO SIGNAL

COMPONENT(Y)

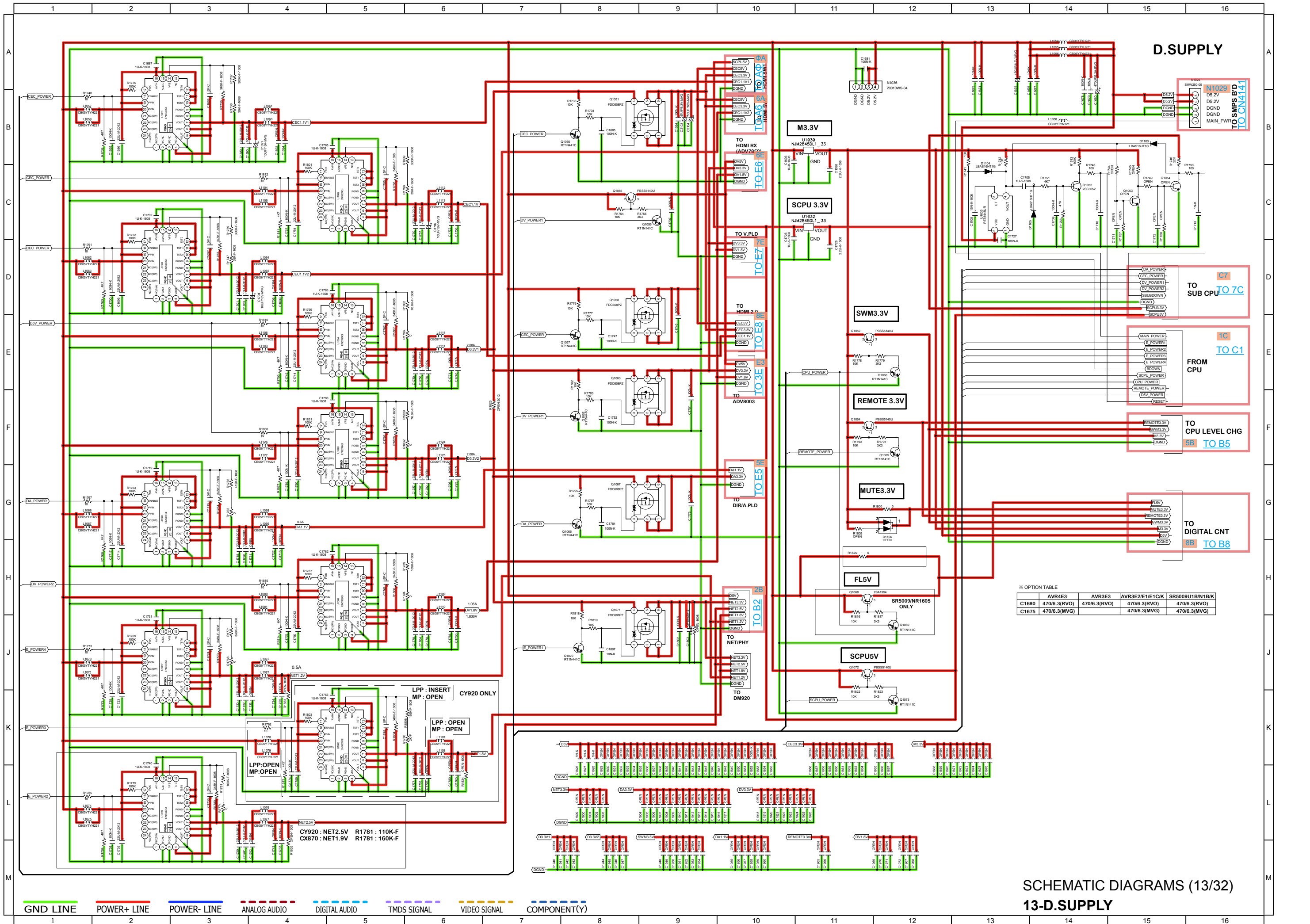


SCHEMATIC DIAGRAMS (10/32)
10-DSP



SCHEMATIC DIAGRAMS (11/32)
11-ADV8003

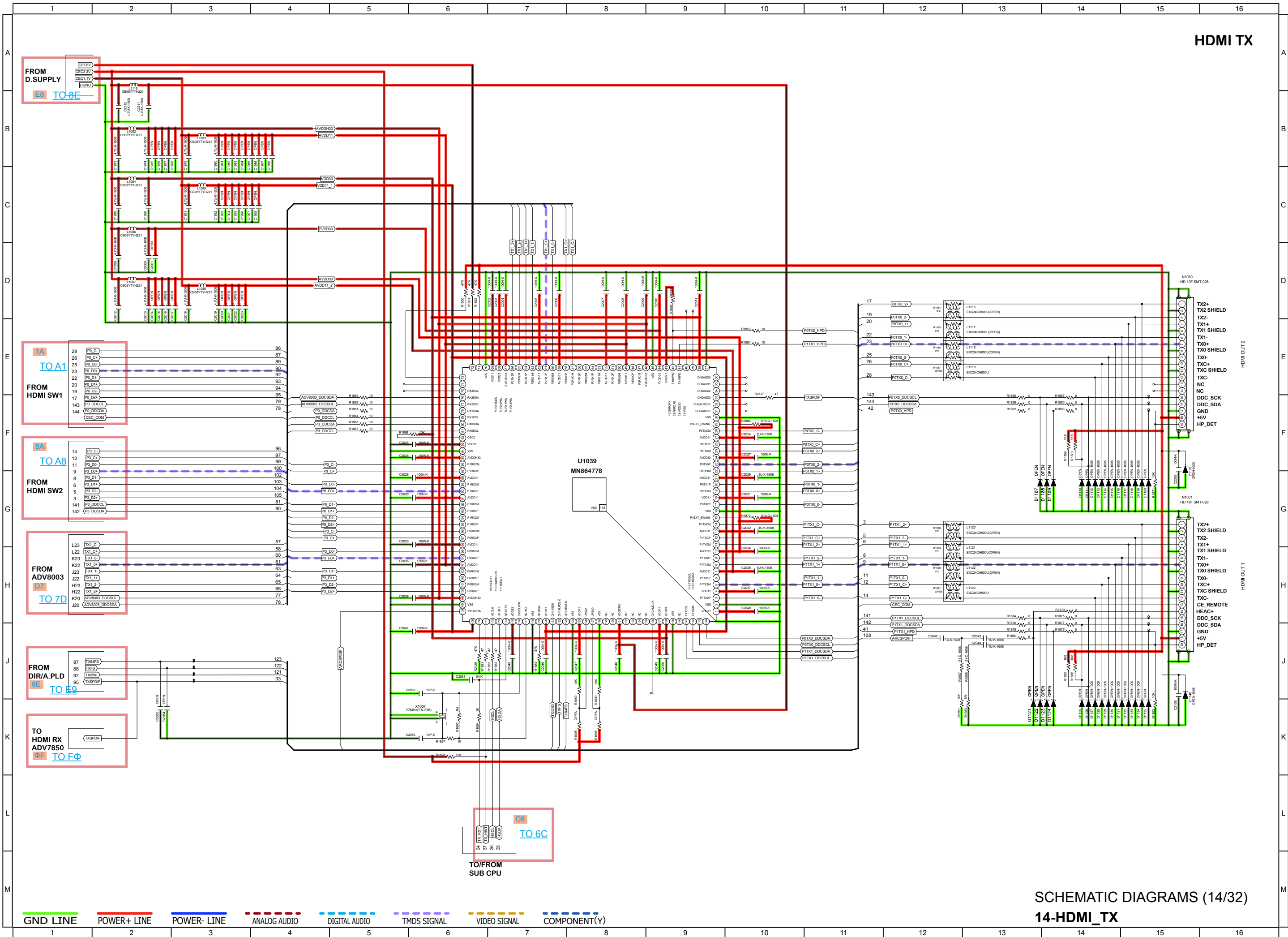
[illegible]



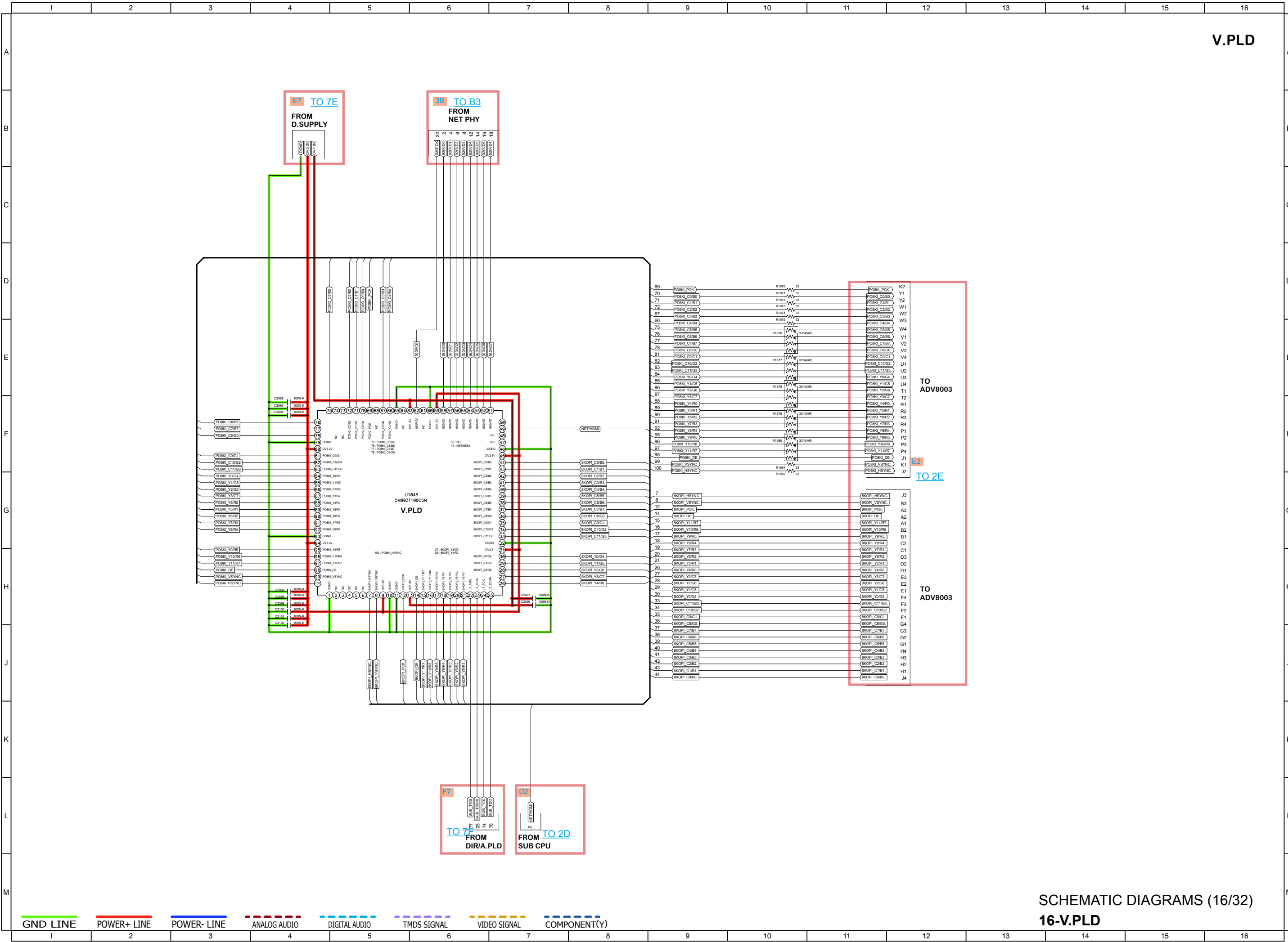
D.SUPPLY

OPTION TABLE

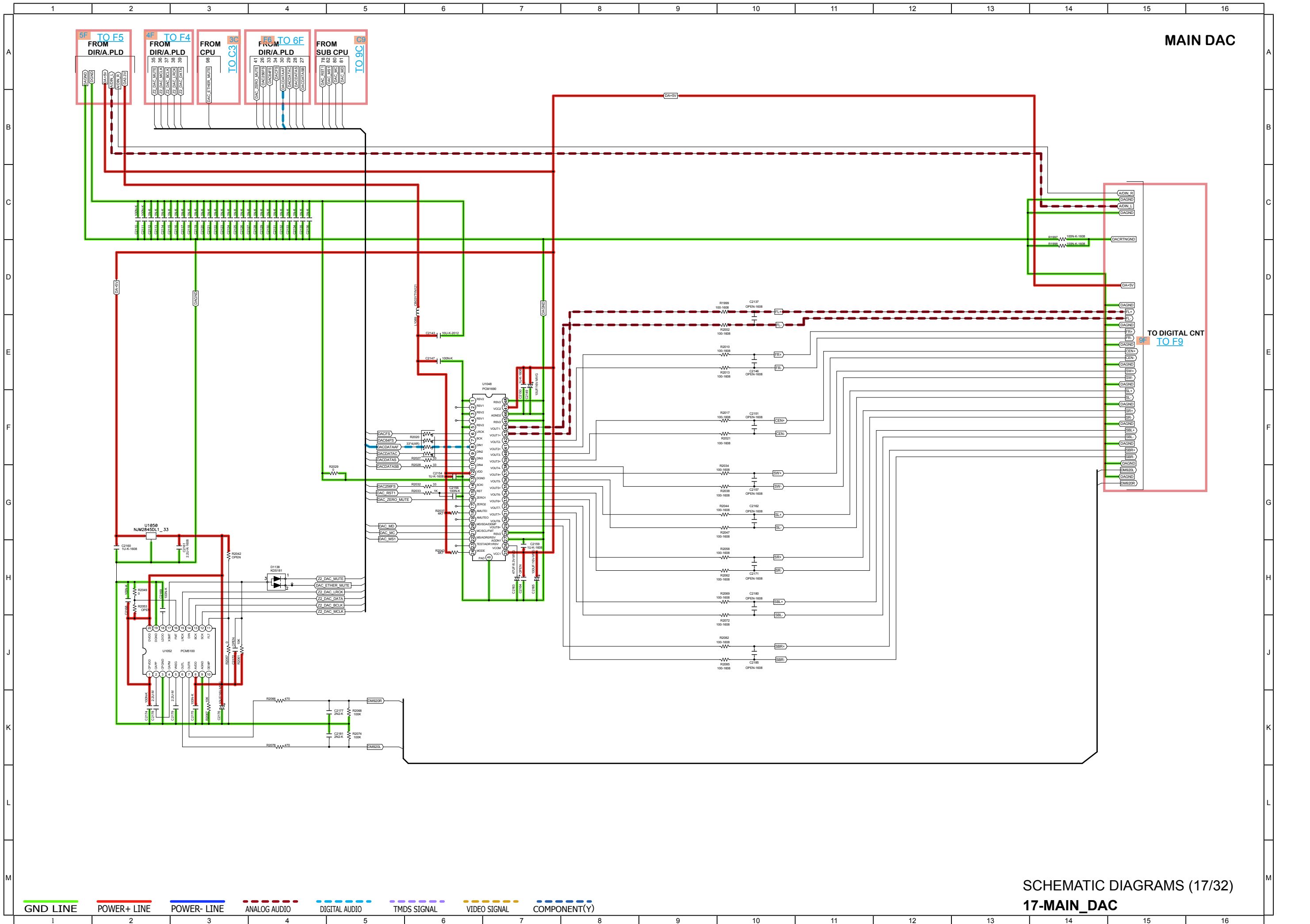
	AVR4E3	AVR3E3	AVR3E2/E1/E1C/K	SR5009U1B/N1B/K
C1680	470/6.3(RVO)	470/6.3(RVO)	470/6.3(RVO)	470/6.3(RVO)
C1675	470/6.3(MVG)		470/6.3(MVG)	470/6.3(MVG)



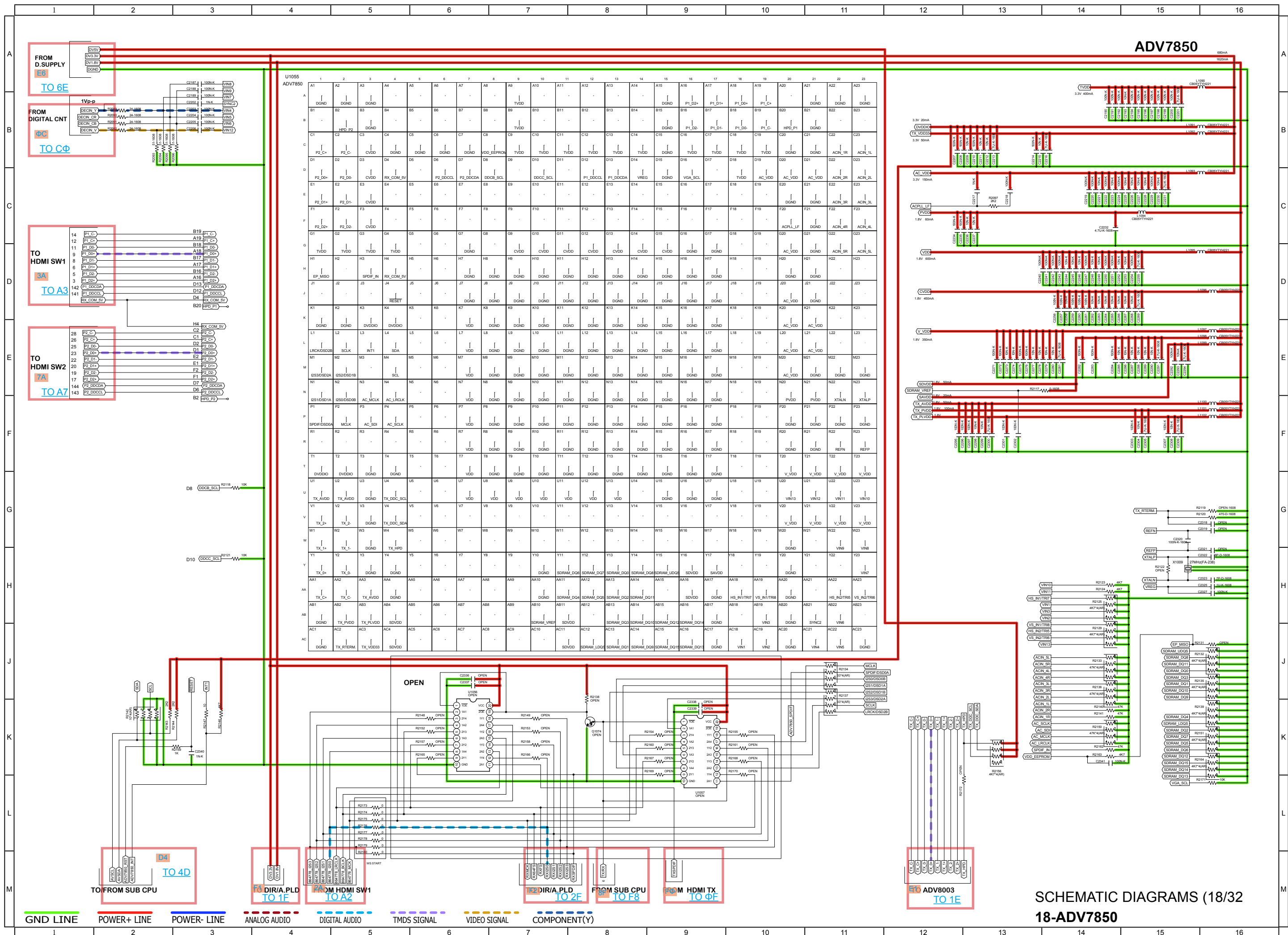




SCHEMATIC DIAGRAMS (16/32)
16-V.PLD



SCHEMATIC DIAGRAMS (17/32)
17-MAIN_DAC



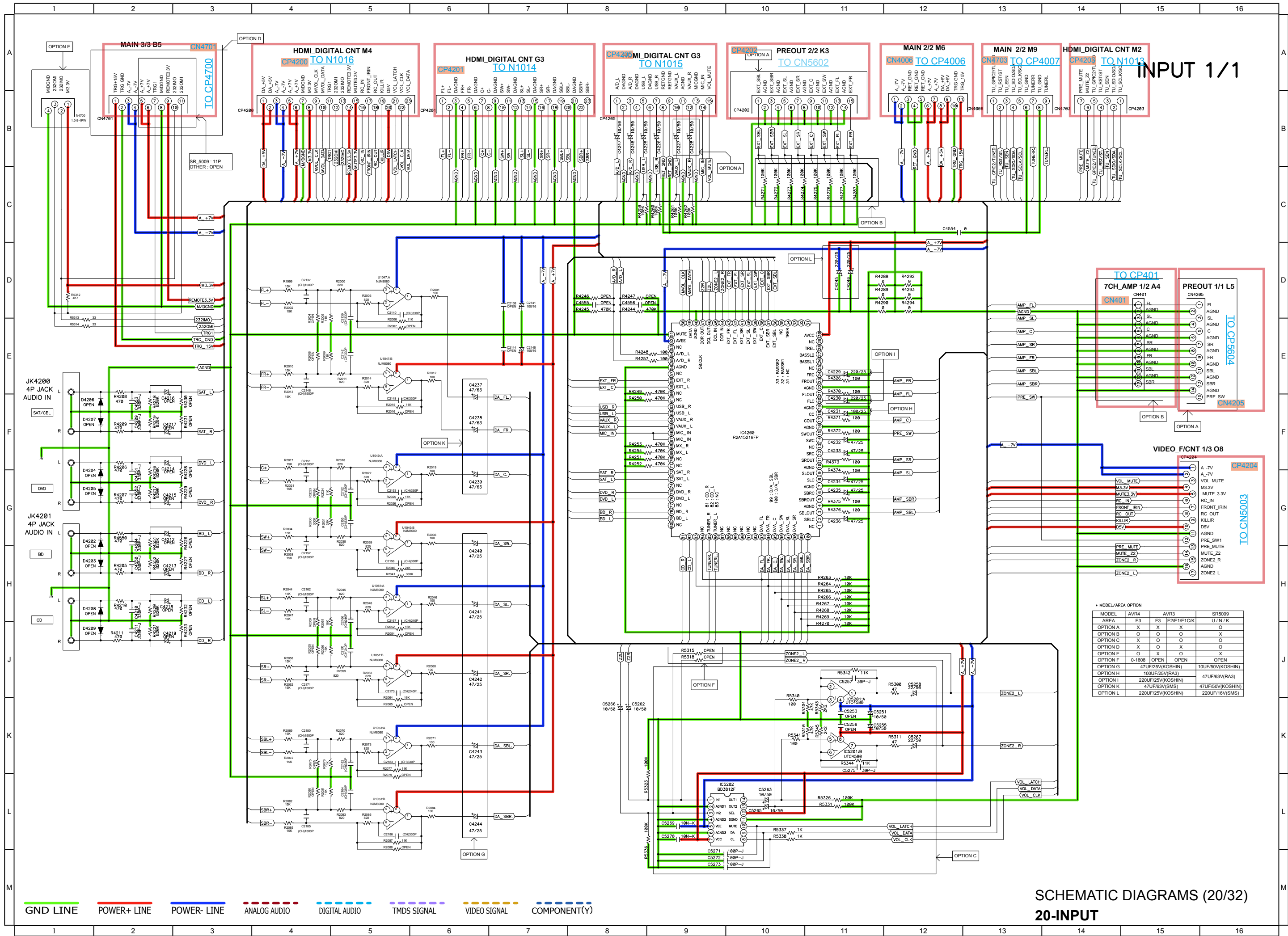
CX870 JUNCTION Ref.7000 -

• MODEL/AREA OPTION

MODEL	AVR4/AVR3	SR5009		NR1605	
AREA	ALL MODEL	U1B / N1B / K1B	N1SG	U1B / N1B / FB	N1SG
R7053	0*2	0*2	-	0*2	-
L7002	-	-	DLW21SN181SQ2L	DLW21SN181SQ2L	-

TO Bluetooth

N7005
TO CP6001



SCHEMATIC DIAGRAMS (20/32)
20-INPUT

VIDEO / ZONE2 PART

VIDEO_F/CNT 1/3

* MODEL / AREA OPTION

MODEL	AVR4	AVR3	SR5009
AREA	E3	E3 E2/E1C1UP	U1B/N1B/K1B
OPTION A	O	O	X
OPTION B	X	X	O
OPTION C	X	O	O
OPTION D	O	O	O
OPTION E	X	O	X
C4207	OPEN	10N(1608)	
C4208	10N(1608)	OPEN	

CVBS INPUT SW					OUT PUT		AVR4/AVR3		SR5009
SW1	SW2	SW3	SW4	SW5	MUTE	VIN3	VIN4	DVD	
L	L	H	L	L					
H	H	L	L	H					
H	H	L	H	H					
H	L	H	L	H					

JACK5000	
AVR4_AVR3	PIN
SR5009	6P JACK

VIDEO_F/CNT 2/3 H4

CN5001	
M/DGND	
NC	
COMPONENT_SW2	
V INC	
V INB	
V INA	
COMPONENT_SW1	
V+5V	
V+5V	
VAGND	
V-5V	
V-5V	

VIDEO_F/CNT 2/3 F4

CN5000	
M/DGND	
VAGND	
M/DGND	
CVBS	
M/DGND	
VOIPY	
M/DGND	
VOICB	
M/DGND	
VOICR	
M/DGND	

VIDEO_F/CNT 2/3 K4

CN5004	
PREMUTE_SB	
PREMUTE_S	
PREMUTE_F	
MUTE_+7V	
NC	
AMP_MUTE	

INPUT 1/1 O6

CN5003	
A_-7V	
A_-7V	
VOL_MUTE	
M3.3V	
MUTE_3.3V	
RC_IN	
FRONT_IRIN	
RC_OUT	
KILLIR	
D5V(MX)	
AGND	
PRE_SW1	
MUTE_Z2	
ZONE2_R	
AGND	
ZONE2_L	

VIDEO_F/CNT 3/3

GO TO 0G

AVR4	PIN	USE	R. NO
AVR4	2P JACK	PRE_SW	JACK5003
AVR3	4P JACK	PRE_SW	JACK5004
SR5009	2P JACK	ZONE2	JACK5002

AVR4	PIN	USE	R. NO
AVR4	2P JACK	PRE_SW	JACK5003
AVR3	4P JACK	PRE_SW	JACK5004
SR5009	2P JACK	ZONE2	JACK5002

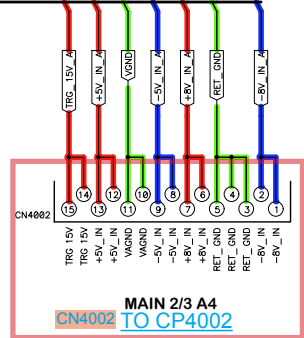
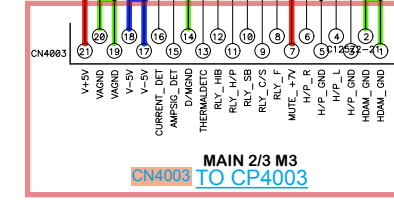
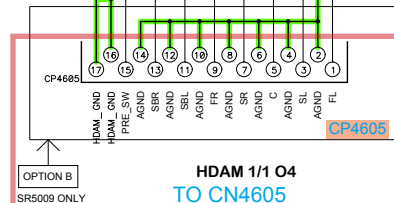
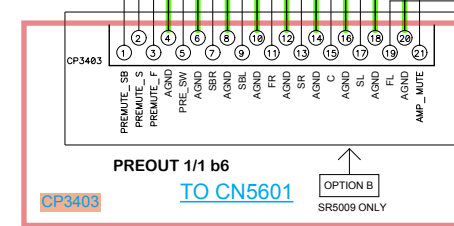
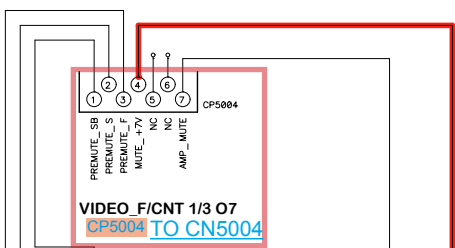
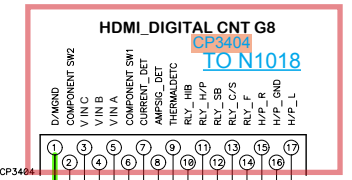
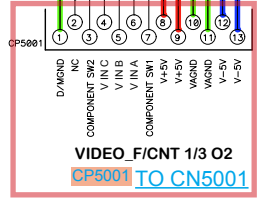
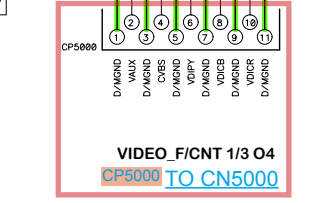
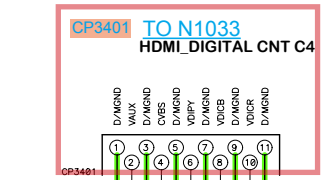
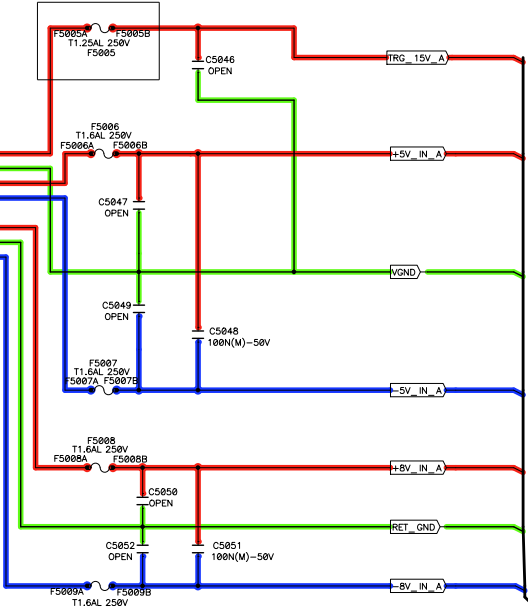
GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMSD SIGNAL VIDEO SIGNAL COMPONENT(Y)

SCHEMATIC DIAGRAMS (21/32)
21-VIDEO_ZONE2

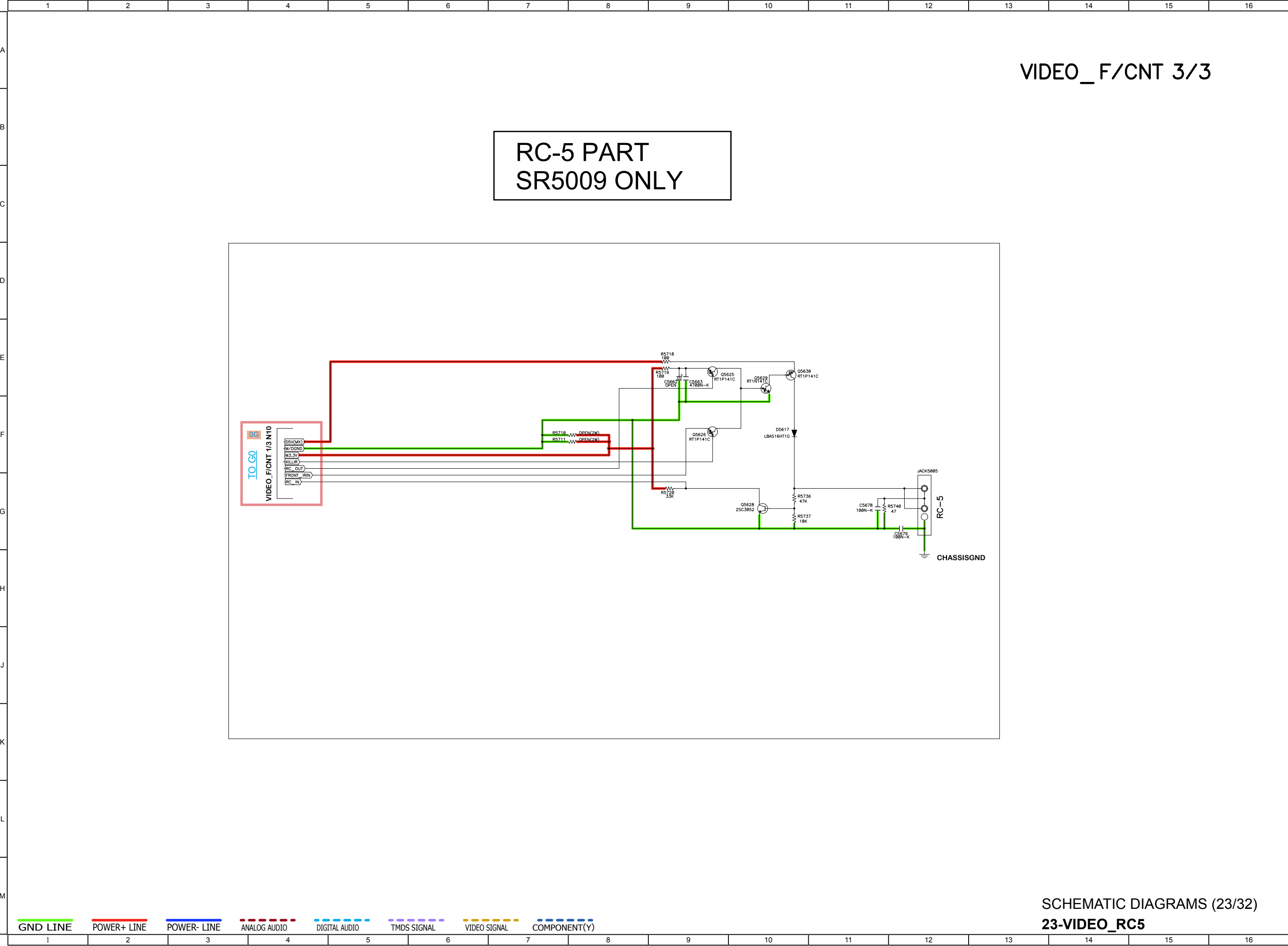
FRONT_CNT PART

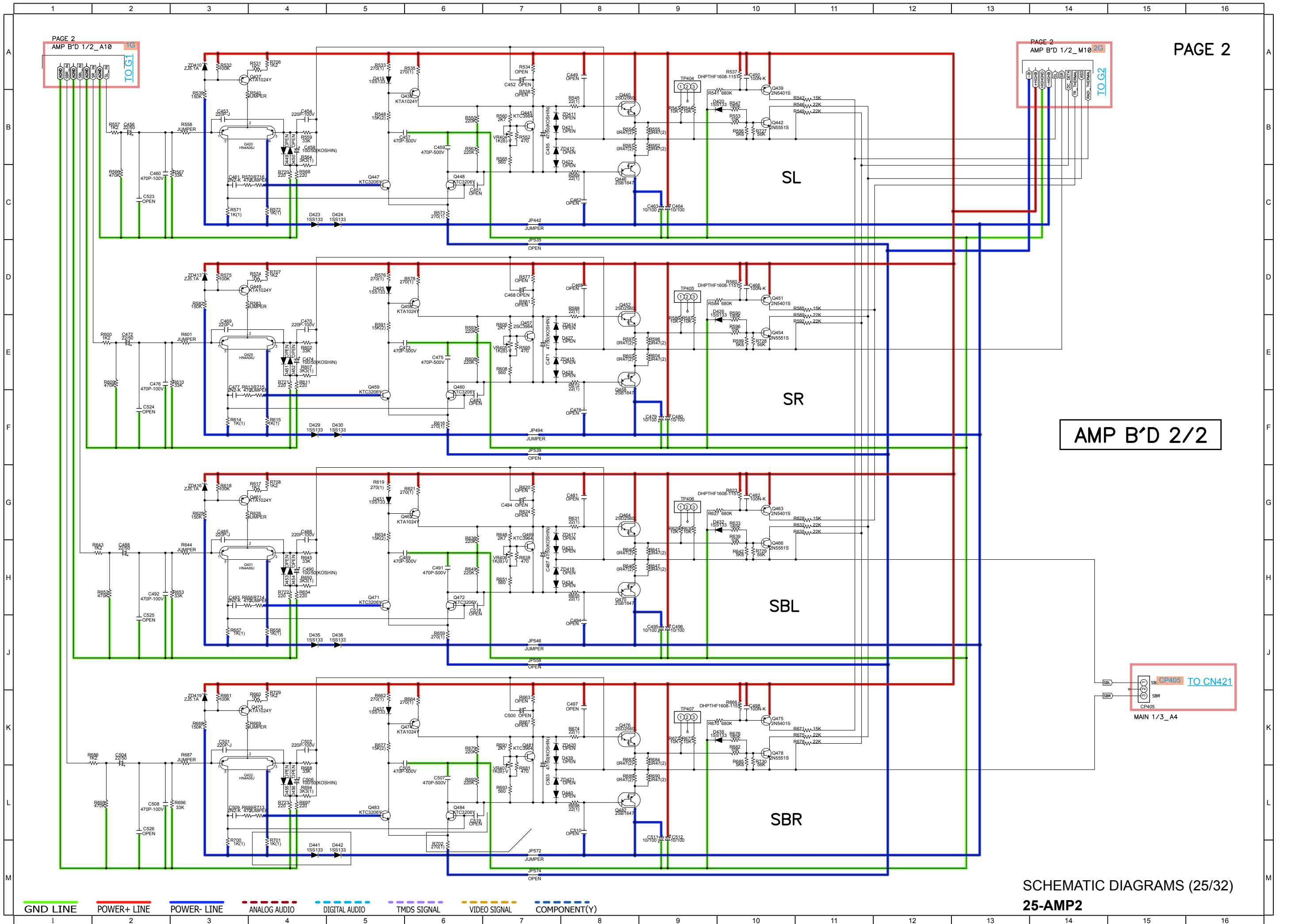
FUSE	F5006,F5007,F5008,F5009	F5005
AVR4_AVR3	T1.6AL/250V	OPEN
SR5009		T1.25AL/250V

MAIN TRANS TAP



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





PAGE 2
AMP B'D 1/2_A10
1G

PAGE 2
AMP B'D 1/2_M10
2G

PAGE 2

AMP B'D 2/2

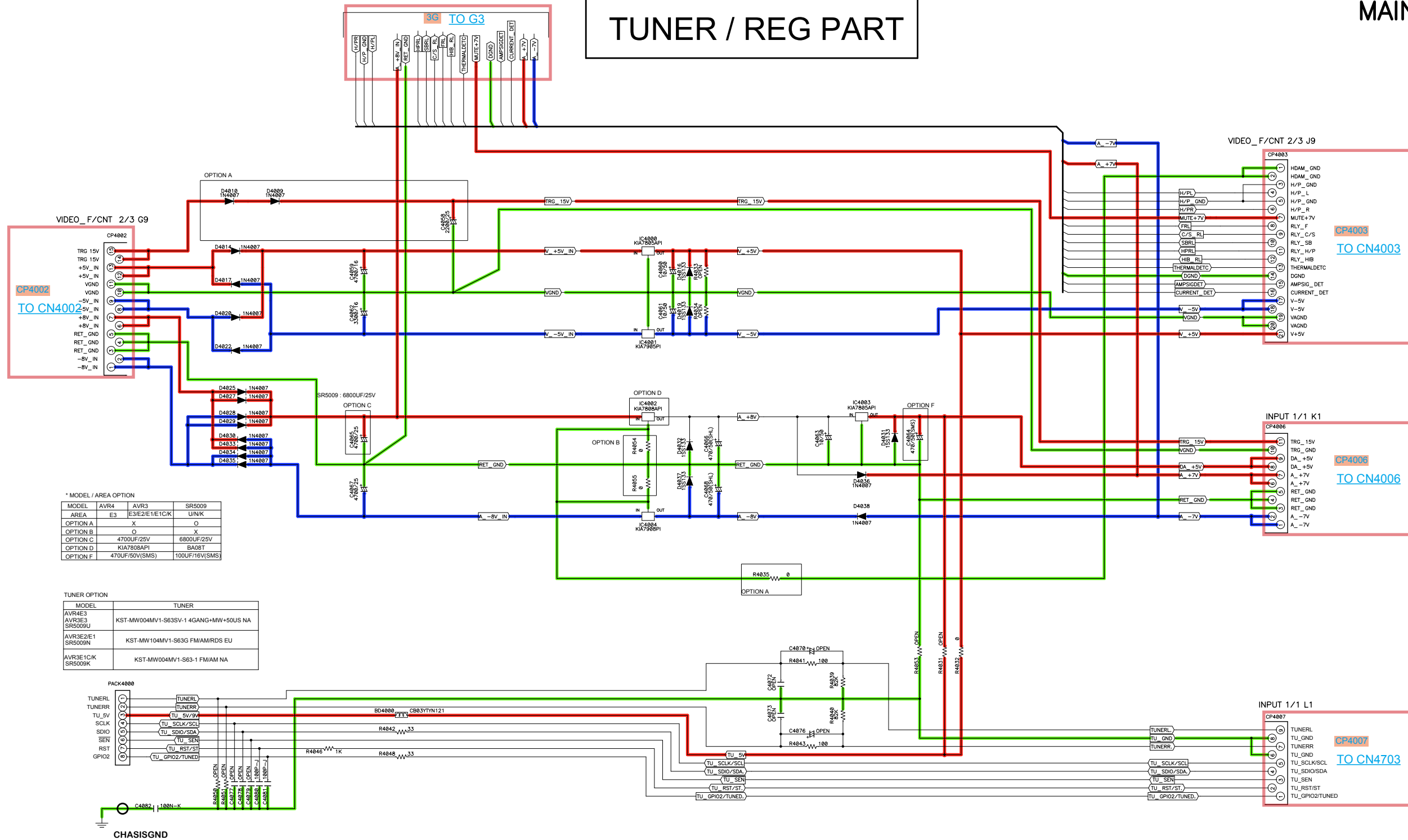
CP405 TO CN421
MAIN 1/3_A4

SCHEMATIC DIAGRAMS (25/32)
25-AMP2

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

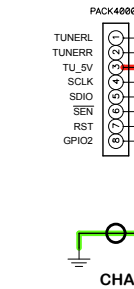
TUNER / REG PART

MAIN 2/3



MODEL	AVR4	AVR3	SR5009
AREA	E3	E3/E2/E1/E1C/K	U/N/K
OPTION A	X	O	
OPTION B	O	X	
OPTION C	4700UF/25V	6800UF/25V	
OPTION D	KIA7808API	BA08T	
OPTION F	470UF/50V(SMS)	100UF/16V(SMS)	

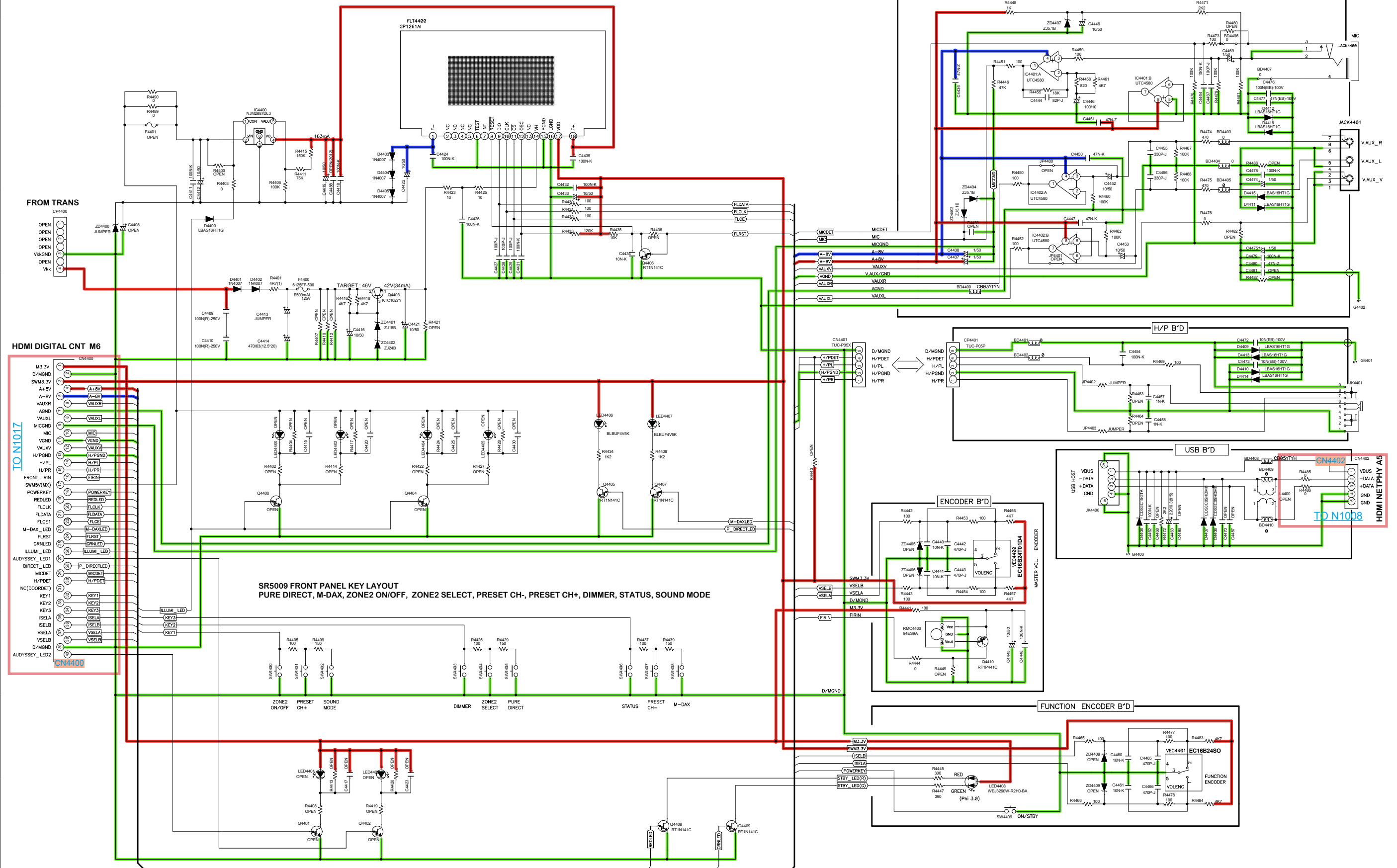
MODEL	TUNER
AVR4E3	
AVR3E3	KST-MW004MV1-S63SV-1 4GANG+MW+50US NA
SR5009U	
AVR3E2/E1	KST-MW104MV1-S63G FMAM/RDS EU
SR5009N	
AVR3E1C/K	KST-MW004MV1-S63-1 FMAM NA
SR5009K	



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

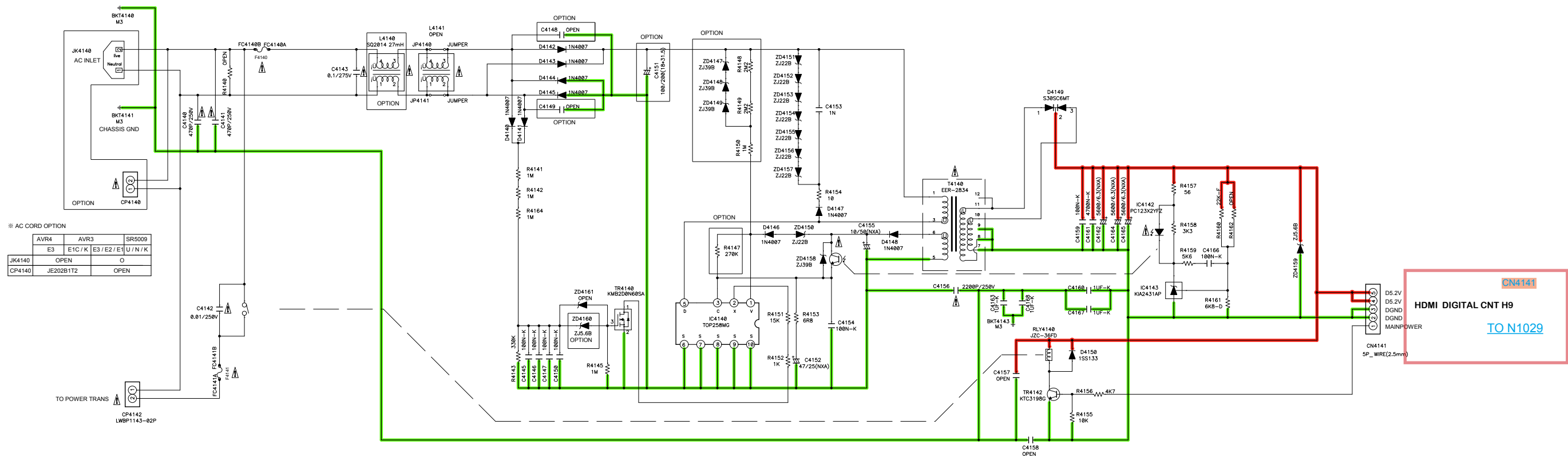
SCHEMATIC DIAGRAMS (27/32)
27-MAIN_TUNER_REG

SR5009 FRONT



SCHEMATIC DIAGRAMS (29/32)
29-FRONT

SR5009 SMPS B'D



※ FUSE OPTION						
	E3		K(JP)		E1C, E2, E1	
	F4140	F4141	F4140	F4141	F4140	F4141
AVR3	T2AL	T6.3AL	T2AL	T6.3AL	T1.6AL	T3.15AL
AVR4	T2AL	T6.3AL	X	X	X	X

※ OPTION TABLE												
	ZD4160	ZD4147	ZD4148	ZD4149	R4148	R4149	R4150	R4147	C4148	C4149	L4140	C4151
E3,U	ZJ5.6B	ZJ3.9B	ZJ3.9B	ZJ3.9B	2M2 (5)	2M2 (5)	1M (5)	270K	OPEN	OPEN	SQ2014 27mH	100/200
E2,E1,K1P / N,K	ZJ5.6B	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	56K	0.01	0.01	SQ2014 50mH	100/400
E1C(P)	ZJ1.6B	ZJ3.9B	ZJ3.9B	ZJ3.9B	2M2 (5)	2M2 (5)	1M (5)	270K	OPEN	OPEN	SQ2014 27mH	100/200

	U1B		N1SG, N1B, K1B	
	F4140	F4141	F4140	F4141
SR5009	T2AL	T6.3AL	T1.6AL	T3.15AL

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

SCHEMATIC DIAGRAMS (30/32)

30-SMPS

HDAM 1/1



140

PREOUT PART
EXT_IN
(SR5009 ONLY)

PREOUT 1/1

HDAM_CNT PART
(SR5009 ONLY)

JACK5002

JACK5003

INPUT 1/1 J1

CN5602

TO CP4202

TO CN4205

CP5604 INPUT 1/1 C3

HDAM 1/1 A4

TO CN4704

CP5605

VIDEO_F/CNT 2/3 L7

TO CP3403

CN5601

IOX1

CN5600

AMP 1/2 A4

CHASSISGND

CHASSISGND

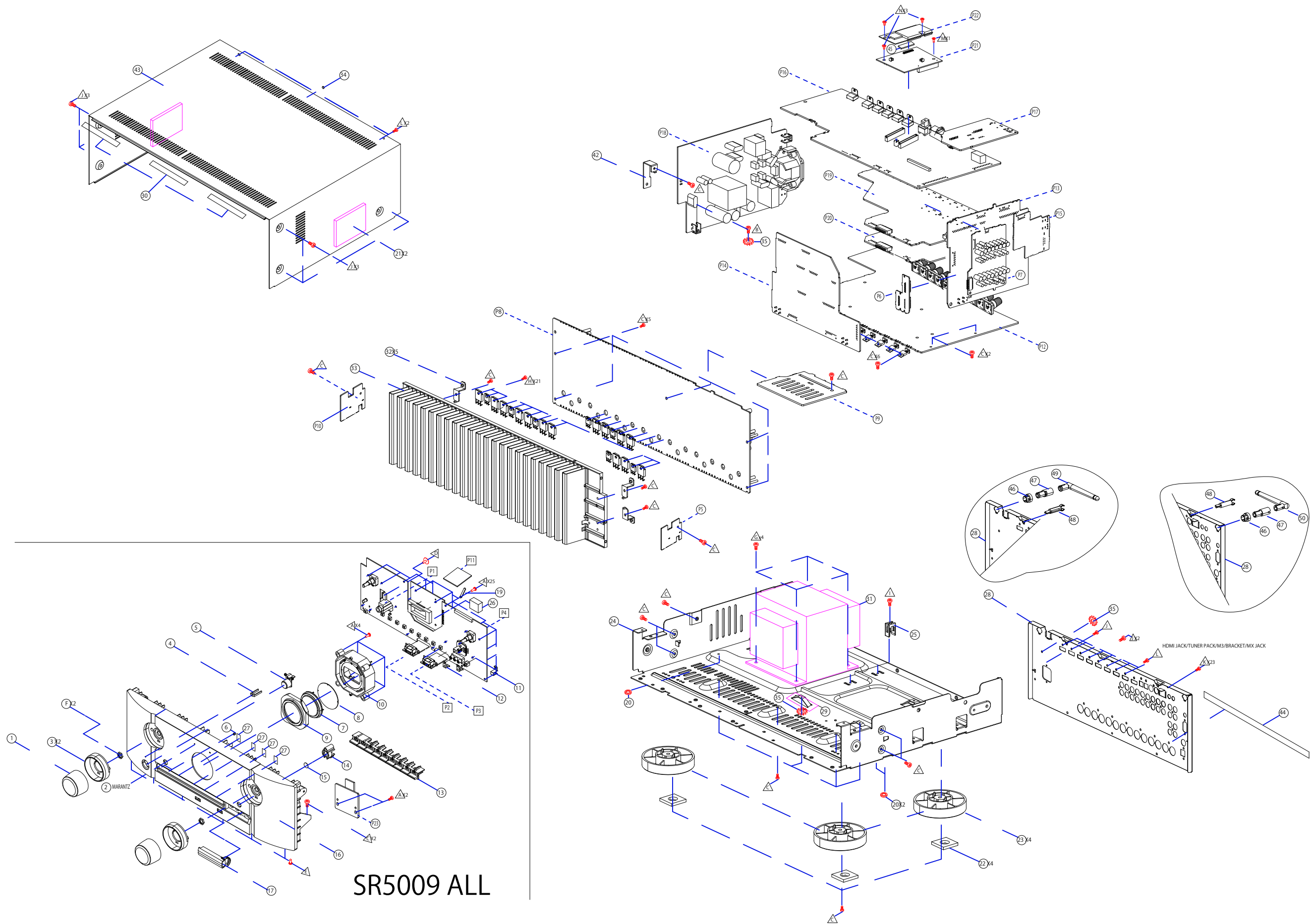
CHASSISGND

GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO DIGITAL AUDIO TMD5 SIGNAL VIDEO SIGNAL COMPONENT(Y)

SCHEMATIC DIAGRAMS (32/32)
31-PREOUT

EXPLODED VIEW

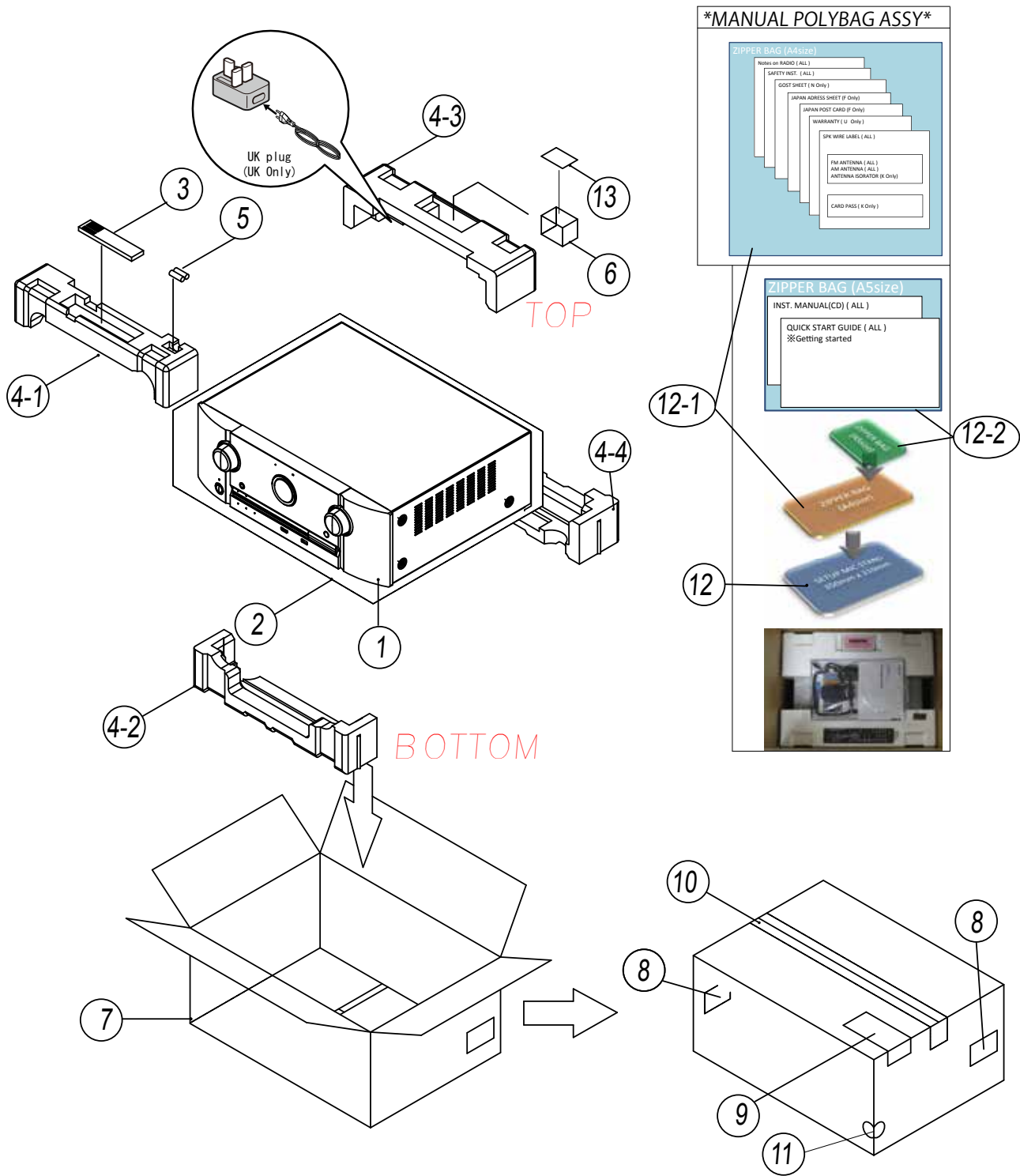
Please see the last chapter for the part list.

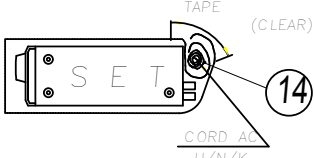
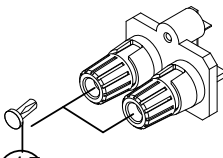
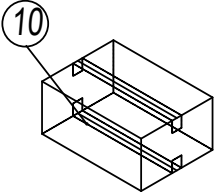


WARNING:
Parts marked with this symbol  have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

PACKING VIEW

Please see the last chapter for the part list.



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

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.

R5F56108VNFP (HDMI : U1018)



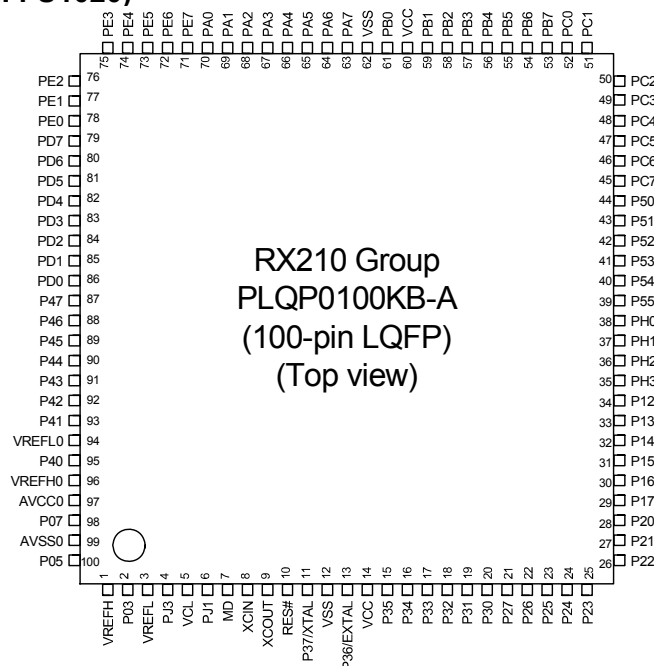
Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
1	P04/IRQ12-A/TMC13/TxD4/TDI	NC	I/O/I	M3VPu	-/-I	-/-I	I	Unused
2	P03/IRQ11-A/TMRI3/SCK4/TMS	NC	I/I	M3VPu	-/I	-/I	I	Unused
3	P67/DA1	NC	O		L	L	L	NC
4	P66/DA0	NC	O		L	L	L	NC
5	AVSS	AVSS	-		-	-	-	GND
6	P02/IRQ10-A/TMO2/SCK6/TRST#	NC	I/I	Pd	I/I	I/I	I	Unused
7	P01/IRQ9-A/TMC12/RxD6	RXD MI232O	I	Pd	I	I	I	Data received from the external pin(AMX)/Use for firmware upgrading by DFW.
8	P00/IRQ8-A/TMRI2/TxD6	TXD MO232I	O		L	L	L	Data transfer to external pin(AMX)/Use for firmware upgrading by DFW.
9	P65/IRQ15-A	POWER KEY	I	M3VPu	I	I	I	POWER KEY (Waiting Mode cancel, interrupt port)
10	EMLE	BC	I	Pd	-	-	-	Unused
11	WDTOVF#/TDO	NC	O/O		-	-	-	Unused
12	VSS	VSS	I		-	-	-	GND
13	MDE	NC	I	Pd	-	-	-	Unused
14	VCL	VCL	I		-	-	-	Smoothing capacitor connection pin
15	MD1	NC	I	M3VPu	-	-	-	Unused
16	MD0	NC	I	M3VPu	-	-	-	Unused
17	P86	232C CONTROL(SUB LOG MODE)	O		L	L	L	SUB LOG MODE 232C course switching control

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
18	P85	REMOTE POWER(232C) (SR5009)/ NC(NR1605)	O		L	L	L	232C POWER SUPPLY (REMOTE 3.3V) control pin.(ON: H) (SR5009 only)
19	RES#	RESET	I		-	-	-	Reset input (reset: L)
20	XTAL	XTAL	I		-	-	-	Oscillator connection
21	VSS	VSS	-		-	-	-	GND
22	EXTAL	EXTAL	-		-	-	-	Oscillator connection
23	VCC	VCC	-		-	-	-	+3.3V
24	NMI	NMI	I	M3VPu	-	-	-	Unused
25	P34/IRQ4-A/PO12/ TIOCA1	BDOWN	I		I	I	I	Power failure detection pin(Power failure:L)
26	P33/IRQ3-A/PO11/ TIOCC0/TIOCD0/ TCLKB-A	DAC.PLD ERR	I		L	L	L	PLD ERROR detection pin
27	P32/IRQ2-A/PO10/ TIOCC0/TCLKA-A	NC(NR1605(EU/ JP)/FLASHER IN(NR1605(NA)/ SR5009)	O/I		L/I	L/I	L/I	FLASHER (RC-5) input pin (NR1605 :U Version Only , SR5009 : All Version)
28	P31/IRQ1-A/PO9/ TIOCA0/TIOCB0	NC	O		L	L	L	NC
29	P30/IRQ0-A/PO8/ TIOCA0	RC IN	I		I	I	I	Remote control signal input pin
30	P27/PO7/TIOCA5/ TIOCB5/SCK1	NC	O		L	L	L	NC
31	P26/PO6/TIOCA5/ TMO1/TxD1	NC	O		L	L	L	NC
32	P25/PO5/TIOCA4/ TMC11/RxD1	NC	O		L	L	L	NC
33	P24/PO4/TIOCA4/ TIOCB4/TMR1	TU RST	O	SW3VPu	L	L	L	TUNER RESET pin
34	P23/PO3/TIOCC3/ TIOCD3	E RESET	O(ODR)	N3VPu	L	L	L	ETHERNET RESET control pin
35	P22/PO2/TIOCC3/ TMO0/SCK0	E SPI CLK	O	N3VPu	L	L	L	ETHERNET communication control pin
36	P21/PO1/TIOCA3/ TMC10/RxD0	E SPI MIEO	I	N3VPu	I	L	I	ETHERNET communication control pin
37	P20/PO0/TIOCA3/ TIOCB3/TMR10/TxD0	E SPI MOEI	O	N3VPu	L	L	L	ETHERNET communication control pin
38	P17/IRQ7-B/TCLKD-B/ TxD3/SCL0/ADTRG1#	TU SCLK	I_O		L	L	L	TUNER control pin
39	PLLVC	PLLVC	-		-	-	-	+3.3V
40	P16/IRQ6-B/TCLKC-B/ RxD3/SDA0	TU SDIO	I_O		L	L	L	TUNER control pin
41	PLLVSS	PLLVSS	-		-	-	-	GND
42	P15/IRQ5-B/TCLKB-B/ SCK3/SCL1	EEPROM SCL	O	M3VPu	I	I	I	EEPROM control pin
43	P14/IRQ4-B/TCLKA-B/ SDA1	EEPROM SDA	I_O	M3VPu	I	I	I	EEPROM control pin
44	P13/IRQ3-B/TxD2/ ADTRG0#	ADV8003 SPI MO	O		L	L	L	OSD control pin
45	P12/IRQ2-B/RxD2	ADV8003 SPI MI	I		L	L	L	OSD control pin
46	P11/IRQ1-B/SCK2	ADV8003 SPI CLK	O		L	L	L	OSD control pin
47	P10/IRQ0-B	ADV8003 SPI CS	O		L	L	L	OSD control pin
48	P37/PO15/TIOCA2/ TIOCB2/TCLKD-A	NC	O		L	L	L	NC
49	P36/PO14/TIOCA2	NC	O		L	L	L	NC
50	P35/PO13/TIOCA1/ TIOCB1/TCLKC-A	RC OUT	O		L/H	L/L	L/H	RC-5 CODE output pin
51	P84	KILL IR	O		L	L	L	Front IR Disable control pin
52	P57/WAIT#/TRDATA3	NC	O		L	L	L	NC
53	P56/TRDATA2	E POWER1	O		L	L	L	ETHERNET POWER SUPPLY (NET3.3V) control pin
54	P55/TRDATA1	E POWER2	O		L	L	L	ETHERNET POWER SUPPLY (NET2.5V) control pin
55	P54/TRDATA0	E POWER3	O		L	L	L	ETHERNET POWER SUPPLY (NET1.8V) control pin
56	P83	E POWER4	O		L	L	L	ETHERNET POWER SUPPLY (NET1.2V) control pin
57	VSS	VSS	-		-	-	-	GND

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
58	P82/TRCLK	FL CE	O		L	L	L	VFD control pin
59	VCC	VCC	-		-	-	-	+3.3V
60	P81/TRSYNC	FL RST	O		L	L	L	VFD control pin
61	P80	ZVOL DATA(X2100/ SR5009/NR1605)/ NC(E900)	O		L	L	L	ZONE VOLUME control pin
62	BCLK/P53(INPUT only)	NC	O		L	L	L	NC
63	P52/RD#	ZVOL CLK	O		L	L	L	ZONE VOLUME control pin
64	P51/WR1#/BC1#	ZVOL MUTE	O		L	L	L	ZONE VOLUME control pin
65	P50/WR0#/WR#	NC	O		L	L	L	NC
66	P77	THERMAL E	I	SW3VPu	I	L	I	HEAT PROTECT-E detection pin
67	P76/IRQ14-A	TU GPO2_INT	I		L	L	L	TUNER control pin
68	P75	SUB UPDATE	O		L	L	L	SUB UPDATEmode control(DPMS/DFW WRITTER)."L". SUB Program mode "H",then SUB RST.
69	PC7/A23/CS4#-D/ CS7#-D/TxD5	MOSI	O		L	L	L	MAIN-SUB ucom communication control pin
70	PC6/A22/CS6#-D/ RxD5	SOMI	I		I	L	I	MAIN-SUB ucom communication control pin
71	PC5/A21/CS5#-D/ SCK5	CLK MO	O		L	L	L	MAIN-SUB ucom communication control pin
72	PC4/A20	RST SUB	O		L	L	L	MAIN-SUB ucom communication control pin
73	PC3/A19	ACK SIMO	O		L	L	L	MAIN-SUB ucom communication control pin
74	VCC	VCC	-		-	-	-	+3.3V
75	PC2/A18	SUB CPU POWER	O		L	L	L	SUB CPU POWER SUPPLY control pin (POWER ON : H)
76	VSS	VSS	-		-	-	-	GND
77	PC1/A17	GREEN LED	O		L	L	L	POWER LED control pin(ON:H)
78	PC0/A16	RED LED	O		L/H	L	H	POWER/STANDBY LED control pin (ON:H)
79	PB7/A15/PO31/ TIOCA11/TIOCB11	H/P RL	O		L	L	L	HEADPHONE RLY control pin
80	PB6/A14/PO30/ TIOCA11	FRONT RL	O		L	L	L	SPEAKER RELAY control pin
81	PB5/A13/PO29/ TIOCA10/TIOCB10	NC(THERMAL F RESERVE)	I	SW3VPu	I	L	I	NC(THERMAL F RESERVE)
82	PB4/A12/PO28/ TIOCA10	TU SEN	O		L	L	L	TUNER control pin
83	PB3/A11/PO27/ TIOCC9/TIOCD9	C/S RL	O		L	L	L	SPEAKER RELAY control pin
84	PB2/A10/PO26/ TIOCC9	SB RL	O		L	L	L	SPEAKER RELAY control pin
85	PB1/A9/PO25/ TIOCA9/TIOCB9	D5V POWER	O		L	L	H	DIGITAL POWER SUPPLY (D5V) control pin (ON:H)
86	P74/ADTRG3#	NC	O		L	L	L	NC
87	P73	NC	O		L	L	L	NC
88	P72	NC	O		L	L	L	NC
89	P71/CS4#-C/CS5#-C/ CS6#-C/CS7#-C	NC	O		L	L	L	NC
90	P70/CS3#-B/ ADTRG2#	NC	O		L	L	L	NC
91	VCC	VCC	-		-	-	-	+3.3V
92	PB0/A8/PO24/TIOCA9	NC	O		L	L	L	NC
93	VSS	VSS	-		-	-	-	GND
94	PA7/A7/PO23/ TIOCA8/TIOCB8/ TCLKH	NC(NR1605)/FIL_ CTRL(SR5009)	O		L	L	L	FLD Filament voltage on/off pin (SR5009 only)
95	PA6/A6/PO22/TIOCA8	VSEL A	I		I	I	I	Master Volume rotation detection pin(Rotary encoder)
96	PA5/A5/PO21/ TIOCA7/TIOCB7/ TCLKG	VSEL B	I		I	I	I	Master Volume rotation detection pin(Rotary encoder)
97	PA4/A4/PO20/TIOCA7	NC	O		L	L	L	NC
98	PA3/A3/PO19/ TIOCC6/TIOCD6/ TCLKF	DAC(ETHER) MUTE	O		L	L	L	DAC (ETHER) MUTE control pin (MUTE ON="L")
99	PA2/A2/PO18/ TIOCC6/TCLKE	PRE Z2 MUTE	O		L	L	L	Z2 PRE OUT MUTE control pin

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
100	PA1/A1/PO17/TIOCA6/TIOCB6	CLK MUTE	O		L	L	L	A.PLD MUTE control pin (MUTE Active="H")
101	PA0/A0/BC0#/PO16/TIOCA6	PRE MUTE	O		L	L	L	PRE OUT MUTE control pin
102	PE7/IRQ7-A/D15	E FACT RST	O	Pd	L	L	L	ETHERNET communication control pin(Factory Reset)
103	PE6/IRQ6-A/D14	NC	O		L	L	L	NC
104	PE5/IRQ5-A/D13	REQ SOMI	I		I	L	I	MAIN-SUB ucom communication control pin
105	PE4/D12	ISEL A	I		I	I	I	Input Selector rotation detection pin(Rotary encoder)
106	PE3/D11	ISEL B	I		I	I	I	Input Selector rotation detection pin(Rotary encoder)
107	PE2/D10	VOL CLK1	O		L	L	L	FUNCTION / VOLUME control pin (R2A15218)
108	PE1/D9	VOL DATA	O		L	L	L	FUNCTION / VOLUME control pin (R2A15218)
109	PE0/D8	NC	O		L	L	L	NC
110	PD7/D7	NC	O		L	L	L	NC
111	PD6/D6	NC	O		L	L	L	NC
112	PD5/D5	ASO DET	I	SW3VPu	I	I	I	ASO PROTECT detection pin
113	PD4/D4	DC DET	I	SW3VPu	I	I	I	DC PROTECT detection pin
114	P64/CS4#-B	NC	O		L	L	L	NC
115	P63/CS3#-A/CS7#-A	TRIGGER OUT	O		L	L	L	TRIGGER OUT control pin
116	P62/CS2#-A/CS6#-A	E SPI CS	O	N3VPu	L	L	L	ETHERNET communication control pin
117	P61/CS1#-B/CS5#-A/CS6#-B/CS7#-B	Hi-B RL	O		L	L	L	HIGH B RELAY control pin
118	P60/CS0#-A/CS4#-A/CS5#-B	NC	O		L	L	L	NC
119	PD3/D3	DIRECT LED	O		L	L	L	DIRECT LED Control pin
120	PD2/D2	M-DAX LED	O		L	L	L	M-DAX LED Control pin
121	PD1/D1	FL CLK	O		L	L	L	VFD control pin
122	PD0/D0	FL DATA	O		L	L	L	VFD control pin
123	P97/AN15	NC(THERMAL C RESERVE)	O		I	L	I	NC(THERMAL C RESERVE)
124	P96/AN14	NC(THERMAL D RESERVE)	O		I	L	I	NC(THERMAL D RESERVE)
125	P95/AN13	THERMAL A	I	SW3VPu	I	L	I	HEAT PROTECT-A detection pin
126	P94/AN12	THERMAL B	I	SW3VPu	I	L	I	HEAT PROTECT-B detection pin
127	P93/AN11	MAIN POWER	O		L	L	L	MAIN POWER control pin
128	P92/AN10	CPU POWER	O		L	L	L	CPU INTERFACE POWER SUPPLY (SWM3.3V & SWM5V) control pin (POWER ON: H , CEC ON STANDBY: H)
129	P91/AN9	AMPSIGDET	I		I	L	I	AMP SIGNAL detection pin
130	VSS	VSS	-		-	-	-	GND
131	P90/AN8	MODE	I		I	I	I	Destination detection pin
132	VCC	VCC	-		-	-	-	+3.3V
133	P47/IRQ15-B/AN7	MIC DET	I		I	I	I	MIC detection detection pin
134	P46/IRQ14-B/AN6	H/P DET	I		I	I	I	Headphone detection detection pin
135	P45/IRQ13-B/AN5	KEY3	I	M3VPu	I	I	I	Button input 3
136	P44/IRQ12-B/AN4	KEY2	I	M3VPu	I	I	I	Button input 2
137	P43/IRQ11-B/AN3	KEY1	I	M3VPu	I	I	I	Button input 1
138	P42/IRQ10-B/AN2	E SPI REQ	I	Pd	I	L	I	ETHERNET communication control pin
139	P41/IRQ9-B/AN1	NC	O		L	L	L	NC
140	AVSS	AVSS	-		-	-	-	GND
141	P40/IRQ8-B/AN0	CURRENT DET	I		I	L	I	AMP CURRENT detection pin
142	VREF	VREF	-		-	-	-	Reference voltage (+3.3V) input pin for A/D port
143	AVCC	AVCC	-		-	-	-	+3.3V
144	P05/IRQ13-A/TMO3/RxD4/TCK	NC	I/I/I	M3VPu	-/I	-/I	I	Unused

R5F5210ABDFP (HDMI : U1020)



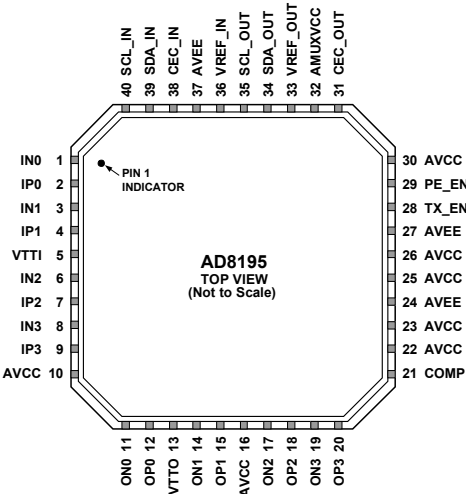
R5F5210ABDFP Terminal Functions

Pin	Symbol	Pin Name	I/O	Pu/Pd	LvCnv	STBY	CEC STBY	Function
1	VREFH	VREFH	-	-	-	-	-	+3.3V
2	P03/DA0	NET/HDMI	O	C	-	Z	L	VPLD control pin (H:NET/WiFi/USB/BT,L:HDMI)
3	VREFL	VREFL	-	-	-	-	-	GND
4	PJ3	778_3/778_2	O	C	-	Z	-	Audio data Bus control pin (HDMI input) (H:MN8647781_3,L:MN8647781_2)
5	VCL	VCL	I	-	-	-	-	Smoothing capacitor connection pin
6	PJ1	TX/RX	O	C	-	Z	-	NC
7	MD	MD	I	-	SCPU 3VPu	-	-	Single-chip/Micro-processor mode switching (Normal single-chip : L, Rewrite boot program start : H input set)
8	XCIN	XCIN	I	-	-	-	-	NC
9	XCOUT	XCOUT	O	-	-	-	-	NC
10	RES#	SUB_RESET	I	-	SCPU 3VPu	Z	-	Reset input
11	XTAL/P37	XTAL	O	-	-	-	-	Oscillator connection
12	VSS	VSS	-	-	-	-	-	GND
13	EXTAL/P36	EXTAL	I	-	-	-	-	Oscillator connection
14	VCC	VCC	-	-	-	-	-	+3.3V
15	P35/NMI(input)	NMI	I	-	SCPU 3VPu	-	-	NC
16	P34/SCK6/IRQ4	CEC_OUT	O	C	-	Z	-	CEC-D signal output pin
17	P33/RXD6/SSCL6/IRQ3-DS	778_2_HAINT	I	-	-	Z	-	HDMI MN8647781(RX) Audio INT input pin
18	P32/TXD6/SSDA6/IRQ2-DS	CEC_IN	I	-	SCPU 3VPu	Z	-	CEC-D signal input pin
19	P31/IRQ1-DS	ACKSIMO	I	-	-	Z	-	MAIN-SUB ucom communication control pin
20	P30/RXD1/SSCL1/IRQ0DS	SCPURXD	I	-	Pd	Z	-	Data reception input from the external
21	P27/SCK1	DIRCE	O	C	-	Z	L	DIR control pin(PCM9211)
22	P26/TXD1/SSDA1	SCPUTXD	O	C	SCPU 3VPu	Z	-	Data transmission output to external
23	P25	DIRDOUT	I	-	DA 3.3Pu	Z	-	DIR control pin(PCM9211)
24	P24	DIRCLK	O	C	-	Z	L	DIR control pin(PCM9211)
25	P23	REQSOMI	O	C	-	Z	-	MAIN-SUB ucom communication control pin
26	P22/SCK0	CLKSIMO	I	-	-	Z	-	MAIN-SUB ucom communication control pin
27	P21/RXD0/SSCL0	SIMO	I	-	-	Z	-	MAIN-SUB ucom communication control pin
28	P20/TXD0/SSDA0	SOMI	O	C	-	Z	-	MAIN-SUB ucom communication control pin
29	P17/SCK1/IRQ7	DIRRST	O	C	-	O/L	L	DIR control pin(PCM9211)
30	P16/TXD1/SSDA1/IRQ6	DIRDIN	O	C	-	Z	L	DIR control pin(PCM9211)
31	P15/RXD1/SSCL1/IRQ5	SUB_BDOWN	I	-	-	Z	-	Power failure detect(Power failure:L)
32	P14/IRQ4	NC	O	C	-	Z	-	NC
33	P13/SDA/IRQ3	NC	O	C	-	Z	-	NC

Pin	Symbol	Pin Name	I/O	Pu/Pd	LvCnv	STBY	CEC STBY	Function
34	P12/SCL/IRQ2	778_1_RST	O	C	Pd	Z	※	HDMI MN8647781(TX) RESET control pin
35	PH3	HSDA	I/O	C	CEC 3VPu	O/L	L	HDMI I2C- MN8647781
36	PH2/IRQ1	HSCL	I/O	C	CEC 3VPu	O/L	L	HDMI I2C- MN8647781
37	PH1/IRQ0	778_1_HINT	I	-	-	Z	-	HDMI MN8647781(TX) HDMI INT input pin
38	PH0	778_2_RST	O	C	Pd	Z	※	HDMI MN8647781(RX) RESET control pin
39	P55	778_2_HINT	I	-	-	Z	-	HDMI MN8647781(RX) HDMI INT input pin
40	P54	778_3_RST	O	C	Pd	Z	※	HDMI MN8647781(RX) RESET control pin
41	BCLK/P53	778_3_HINT	I	-	-	Z	-	HDMI MN8647781(RX) HDMI INT input pin
42	P52	IP_RST	O	C	Pd	Z	L	HDMI ADV8003 RESET control pin
43	P51	DE_RST	O	C	Pd	Z	L	HDMI ADV7850 RESET control pin
44	P50	DE_INT	I	-	-	Z	-	HDMI ADV7850 HDMI INT input pin
45	PC7/TXD8/SSDA8	UB	I	-	Pd	Z	-	Unused
46	PC6/RXD8/SSCL8	HINSELA	O	C	-	Z	-	TC74VHC4051AFT control pin. (Control the detection of HDMI 5V INPUT for CEC STANDBY.)
47	PC5/SCK8	HINSELB	O	C	-	Z	-	TC74VHC4051AFT control pin. (Control the detection of HDMI 5V INPUT for CEC STANDBY.)
48	PC4/SCK5	HINSELC	O	C	-	Z	-	TC74VHC4051AFT control pin. (Control the detection of HDMI 5V INPUT for CEC STANDBY.)
49	PC3/TXD5/SSDA5	DSPMOSI	O	C	DA3 VPu	Z	L	DSP control pin (ADSP21487KSWZ-3B)
50	PC2/RXD5/SSCL5	DSPMISO	I	-	DA3 VPu	Z	-	DSP control pin (ADSP21487KSWZ-3B)
51	PC1/SCK5	DSPICLK	O	C	DA3 VPu	Z	L	DSP control pin (ADSP21487KSWZ-3B)
52	PC0	DA_POWER	O	C	-	Z	L	DIGITAL AUDIO POWER SUPPLY (DA3.3V & DA1.1V) control pin.(ON:H)
53	PB7/TXD9/SSDA9	AVSDA	I/O	C	DV3 VPu	O/L	L	VIDEO I2C- ADV8003/ADV7850
54	PB6/RXD9/SSCL9	AVSCL	I/O	C	DV3 VPu	O/L	L	VIDEO I2C- ADV8003/ADV7850
55	PB5/SCK9	CEC_POWER	O	C	-	Z	※	HDMI CEC POWER SUPPLY control pin (CEC5V,CEC3.3V,CEC1.8V)
56	PB4	DV_POWER1	O	C	-	Z	L	Digital VIDEO POWER SUPPLY control pin (DV5V,DV3.3V)
57	PB3/SCK8	DV_POWER2	O	C	-	Z	-	Digital VIDEO POWER SUPPLY control pin (DV1.8V)
58	PB2	H5VDET	I	-	-	Z	-	HDMI INPUT 5V (for EDID / HOT PLUG) detection pin
59	PB1/TXD6/SSDA6/IRQ4-DS	778_3_HAINT	I	-	-	Z	-	HDMI MN8647781(RX) Audio INT input pin
60	VCC	VCC	-	-	-	-	-	+3.3V
61	PB0/RXD6/SSCL6	NC	O	C	-	Z	-	NC
62	VSS	VSS	-	-	-	-	-	GND
63	PA7	HPD8	O	C	-	Z	L	HPD8 output pin
64	PA6	HPD7	O	C	-	Z	L	HPD7 output pin
65	PA5	HPD6	O	C	-	Z	L	HPD6 output pin
66	PA4/TXD5/SSDA5/IRQ5-DS	HPD5	O	C	-	Z	L	HPD5 output pin
67	PA3/RXD5/SSCL5/IRQ6-DS	HPD4	O	C	-	Z	L	HPD4 output pin
68	PA2/RXD5/SSCL5	HPD3	O	C	-	Z	L	HPD3 output pin
69	PA1/SCK5	HPD2	O	C	-	Z	L	HPD2 output pin
70	PA0	HPD1	O	C	-	Z	L	HPD1 output pin
71	PE7/IRQ7/AN015	APLDCK	O	C	-	Z	L	A.PLD control pin
72	PE6/IRQ6/AN014	APLDCS	O	C	-	O/L	L	A.PLD control pin
73	PE5/IRQ5/AN013	APLDDI	O	C	-	Z	L	A.PLD control pin
74	PE4/AN012	SUB_TCK	O	C	Pd	Z	L	A.PLD/V.PLD rewriting pin(JTAG)
75	PE3/AN011	SUB_TDI	O	C	DA 3.3Pu	Z	L	A.PLD/V.PLD rewriting pin(JTAG)
76	PE2/RXD12/SSCL12/IRQ7-DS/AN010	SUB_TDO	I	-	-	Z	L	A.PLD/V.PLD rewriting pin(JTAG)
77	PE1/TXD12/SSDA12/AN009	SUB_TMS	O	C	DA 3.3Pu	Z	L	A.PLD/V.PLD rewriting pin(JTAG)
78	PE0/SCK12/AN008	DACRST1	O	C	-	Z	L	D/A converter control pin(PCM1690)
79	PD7/IRQ7	NC	O	C	-	Z	-	NC
80	PD6/IRQ6	DACMC	O	C	-	Z	L	D/A converter control pin(PCM1690)
81	PD5/IRQ5	DACMD	O	C	-	Z	L	D/A converter control pin(PCM1690)
82	PD4/IRQ4	DACMS1	O	C	-	Z	L	D/A converter control pin(PCM1690)
83	PD3/IQR3	NC	O	C	-	Z	-	NC
84	PD2/IRQ2	DSP1RST	O	C	-	Z	L	DSP(ADSP21487KSWZ-3B) reset output pin (Reset : L)

Pin	Symbol	Pin Name	I/O	Pu/Pd	LvCnv	STBY	CEC STBY	Function
85	PD1/IRQ1	DSP1CS	O	C	DA 3VP _u	Z	L	DSP control pin (ADSP21487KSWZ-3B)
86	PD0/IRQ0	DSP1FLAG0	I	-	Pd	Z	-	DSP control pin (ADSP21487KSWZ-3B)
87	P47/AN007	NC	O	C	-	Z	-	NC
88	P46/AN006	VIN A	O	C	-	Z	-	COMPOSITE VIDEO SELECT IC(NJM2595)
89	P45/AN005	VIN B	O	C	-	Z	-	COMPOSITE VIDEO SELECT IC(NJM2595)
90	P44/AN004	VIN C	O	C	-	Z	-	COMPOSITE VIDEO SELECT IC(NJM2595)
91	P43/AN003	COMP SW1	O	C		O/L	L	COMPONENT VIDEO SELECT IC(NJM2586)
92	P42/AN002	COMP SW2	O	C		O/L	L	COMPONENT VIDEO SELECT IC(NJM2586)
93	P41/AN001	NC	O	C	-	Z	-	NC
94	VREFL0	VREFL0	-	-	-	-	-	GND
95	P40/AN000	NC	O	C	-	Z	-	NC
96	VREFH0	VREFH0	-	-	-	-	-	+3.3V
97	AVCC0	AVCC	-	-	-	-	-	+3.3V
98	P07	NC	O	C	-	Z	-	NC
99	AVSS0	AVSS0	-	-	-	-	-	GND
100	P05	TXEN	O	C	-	Z	-	Front HDMI INPUT (AD8195) control pin

AD8195ACPZ (HDMI : U1022)



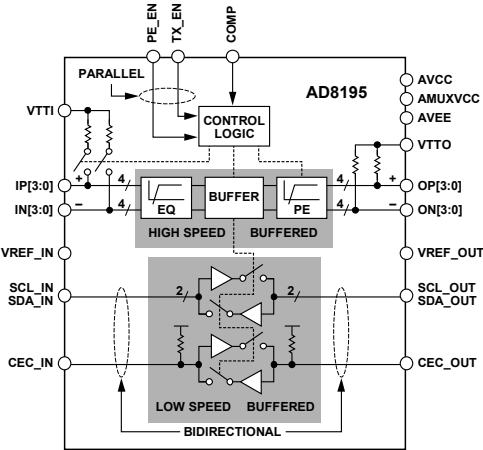
NOTES
1. THE AD8195 LFCSP HAS AN EXPOSED PAD ON THE UNDERSIDE OF THE PACKAGE THAT AIDS IN HEAT DISSIPATION. THE PAD MUST BE ELECTRICALLY CONNECTED TO THE AVEE SUPPLY PLANE IN ORDER TO MEET THERMAL SPECIFICATIONS.

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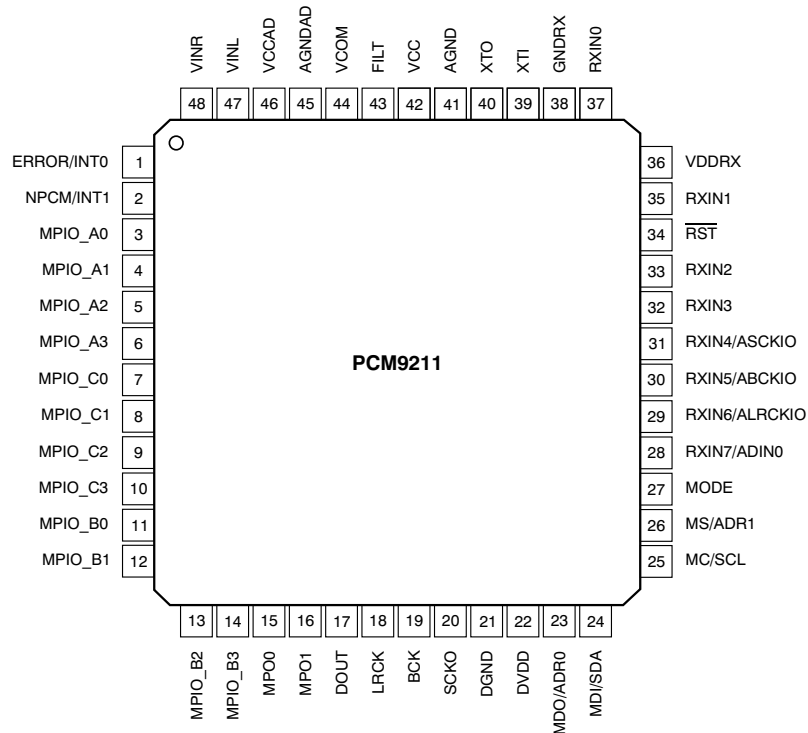
AD8195ACPZ Termini Function

Pin No.	Mnemonic	Type ¹	Description
1	IN0	HS I	High Speed Input Complement.
2	IP0	HS I	High Speed Input.
3	IN1	HS I	High Speed Input Complement.
4	IP1	HS I	High Speed Input.
5	VTTI	Power	Input Termination Supply. Nominally connected to AVCC.
6	IN2	HS I	High Speed Input Complement.
7	IP2	HS I	High Speed Input.
8	IN3	HS I	High Speed Input Complement.
9	IP3	HS I	High Speed Input.
10, 16, 22, 23, 25, 26, 30	AVCC	Power	Positive Analog Supply. 3.3 V nominal.
11	ON0	HS O	High Speed Output Complement.
12	OP0	HS O	High Speed Output.
13	VTTO	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 μ F capacitor.
24, 27, 37, Exposed Pad	AVEE	Power	Negative Analog Supply. 0 V nominal.
28	TX_EN	Control	High Speed Output Enable Parallel Interface.
29	PE_EN	Control	High Speed Preemphasis Enable Parallel Interface.
31	CEC_OUT	LS I/O	CEC Output Side.
32	AMUXVCC	Power	Positive Auxiliary Buffer Supply. 5 V nominal.

AD8195ACPZ Block diagram



PCM9211 (HDMI : U1040)



PIN Functions

PIN				DESCRIPTION
NO.	NAME	I/O	5-V TOLERANT	
1	ERROR/INT0	O	No	DIR Error detection output / Interrupt0 output
2	NPCM/INT1	O	No	DIR Non-PCM detection output / Interrupt1 output
3	MPIO_A0	I/O	Yes	Multipurpose I/O, Group A(1)
4	MPIO_A1	I/O	Yes	Multipurpose I/O, Group A(1)
5	MPIO_A2	I/O	Yes	Multipurpose I/O, Group A(1)
6	MPIO_A3	I/O	Yes	Multipurpose I/O, Group A(1)
7	MPIO_C0	I/O	Yes	Multipurpose I/O, Group C(1)
8	MPIO_C1	I/O	Yes	Multipurpose I/O, Group C(1)
9	MPIO_C2	I/O	Yes	Multipurpose I/O, Group C(1)
10	MPIO_C3	I/O	Yes	Multipurpose I/O, Group C(1)
11	MPIO_B0	I/O	Yes	Multipurpose I/O, Group B(1)
12	MPIO_B1	I/O	Yes	Multipurpose I/O, Group B(1)
13	MPIO_B2	I/O	Yes	Multipurpose I/O, Group B(1)
14	MPIO_B3	I/O	Yes	Multipurpose I/O, Group B(1)
15	MPO0	O	No	Multipurpose output 0
16	MPO1	O	No	Multipurpose output 1
17	DOUT	O	No	Main output port, serial digital audio data output
18	LRCK	O	No	Main output port, LR clock output
19	BCK	O	No	Main output port, Bit clock output
20	SCKO	O	No	Main output port, System clock output
21	DGND	—	—	Ground, for digital
22	DVDD	—	—	Power supply, 3.3 V (typ.), for digital
23	MDO/ADR0	I/O	Yes	Software control I/F, SPI data output / I2C slave address setting0(2)
24	MDI/SDA	I/O	Yes	Software control I/F, SPI data input / I2C data input/output(2) (3)
25	MC/SCL	I	Yes	Software control I/F, SPI clock input / I2C clock input(2)
26	MS/ADR1	I	Yes	Software control I/F, SPI chip select / I2C slave address setting1(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/ALRCKIO	I	Yes	Biphase signal, input 6 / AUXIN0, LR clock input(2)
30	RXIN5/ABCKIO	I	Yes	Biphase signal, input 5 / AUXIN0, bit clock input(2)
31	RXIN4/ASCKIO	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)

PIN				DESCRIPTION
NO.	NAME	I/O	5-V TOLERANT	
34	RST	I	Yes	Reset Input, active low(2) (4)
35	RXIN1	I	Yes	Biphase signal, input 1, built-in coaxial amplifier
36	VDDRX	—	—	Power supply, 3.3 V (typ.), for RXIN0 and RXIN1.
37	RXIN0	I	Yes	Biphase signal, input 0, built-in coaxial amplifier
38	GNDRX	—	—	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

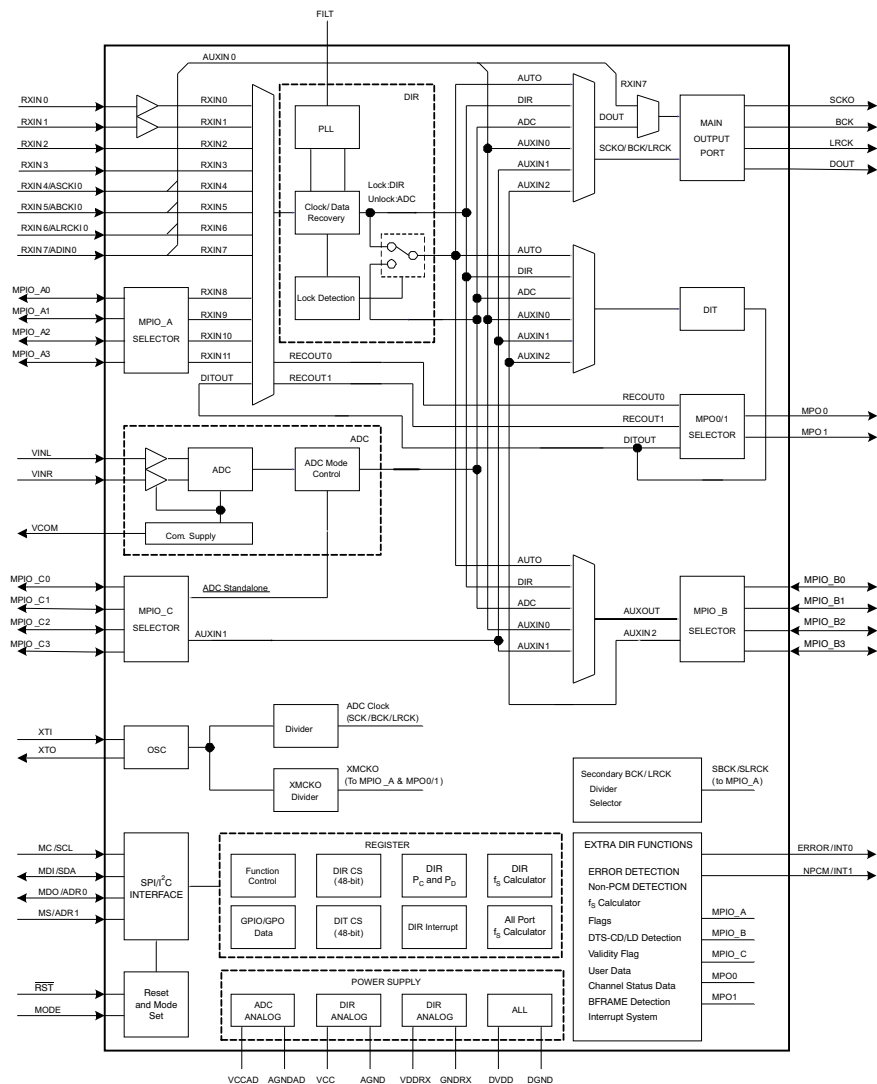
(2) Schmitt trigger input

(3) Open-drain configuration in I2C mode

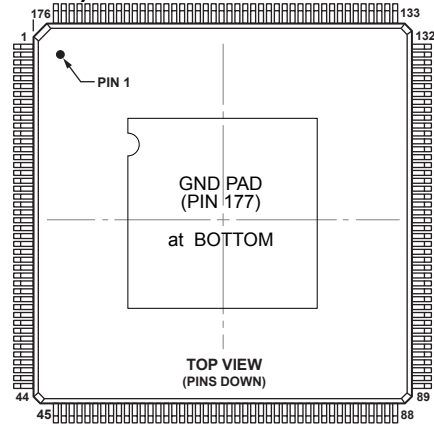
(4) Onboard pull-down resistor (50 k Ω , typical)

(5) CMOS Schmitt trigger input

PCM9211 BLOCK DIAGRAM



ADSP21487KSWZ3B (HDMI : U1024)

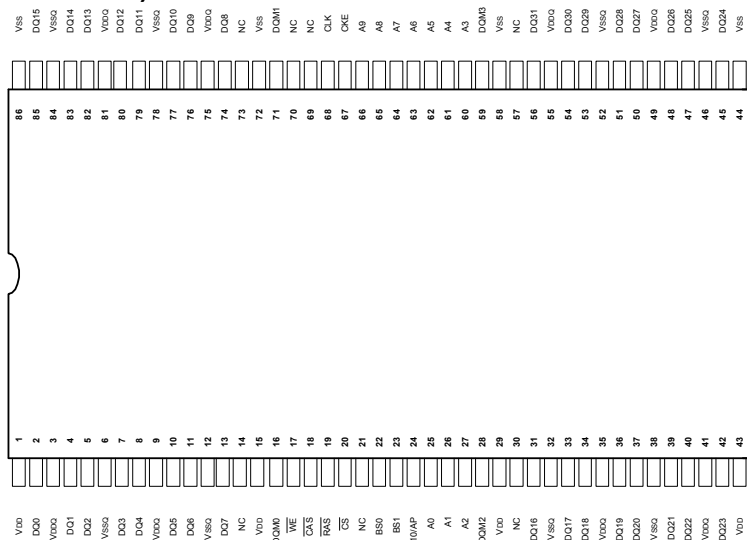


ADSP21487KSWZ3B Terminal Function

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	WDRSTO	70	V _{DD_INT}	114	TDI	158
SDA10	27	NC	71	MS1	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	AMI_WR	131	SDCAS	175
DPI_P06	44	DAI_P09	88	AMI_RD	132	V _{DD_INT}	176
						GND	177*

* at BOTTOM

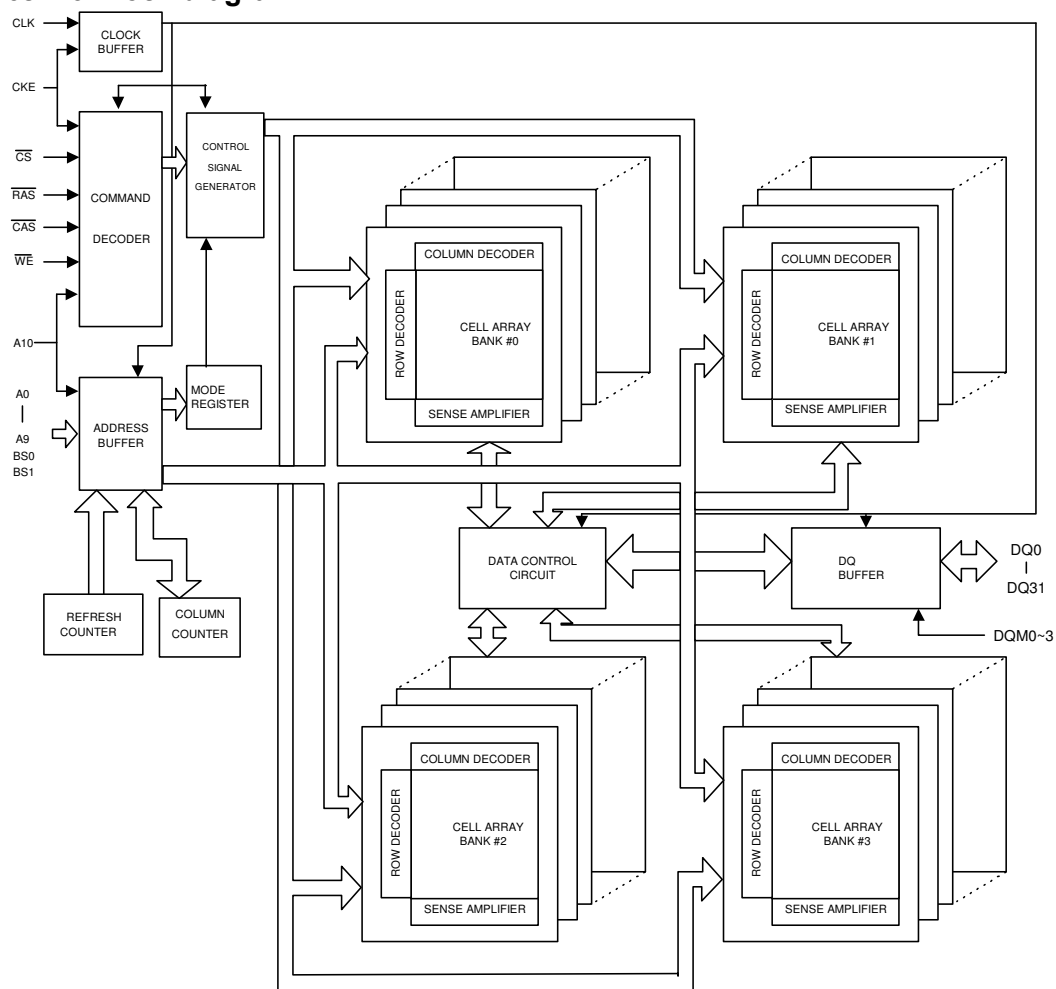
W9864G6JH-6 (HDMI : U1023)



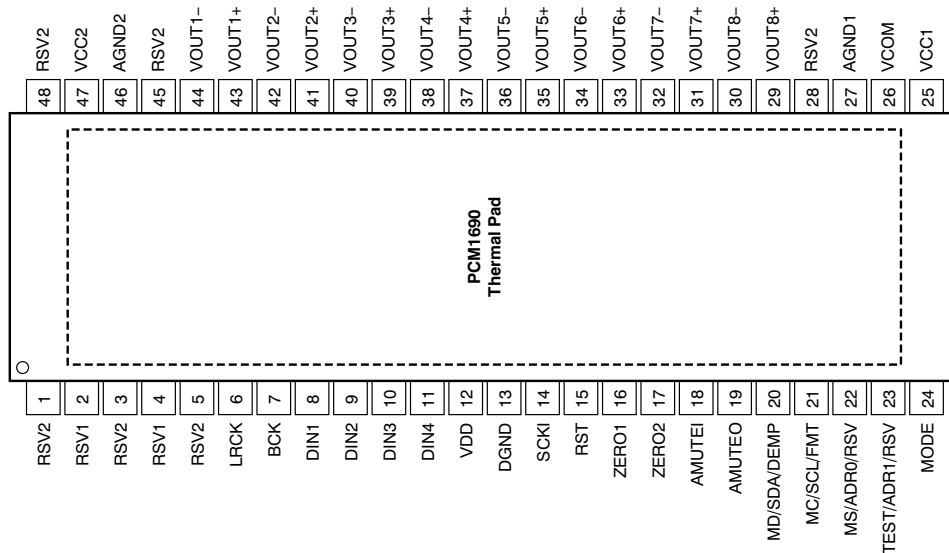
W9864G6JH-6 Pin description

PIN NUMBER	PIN NAME	FUNCTION	DESCRIPTION
24, 25, 26, 27, 60, 61, 62, 63, 64, 65, 66	A0–A10	Address	Multiplexed pins for row and column address. Row address: A0–A10. Column address: A0–A7. A10 is sampled during a precharge command to determine if all banks are to be precharged or bank selected by BS0, BS1.
22, 23	BS0, BS1	Bank Select	Select bank to activate during row address latch time, or bank to read/write during address latch time.
2, 4, 5, 7, 8, 10, 11, 13, 31, 33, 34, 36, 37, 39, 40, 42, 45, 47, 48, 50, 51, 53, 54, 56, 74, 76, 77, 79, 80, 82, 83, 85	DQ0–DQ31	Data Input/ Output	Multiplexed pins for data output and input.
20	$\overline{\text{CS}}$	Chip Select	Disable or enable the command decoder. When command decoder is disabled, new command is ignored and previous operation continues.
19	$\overline{\text{RAS}}$	Row Address Strobe	Command input. When sampled at the rising edge of the clock $\overline{\text{RAS}}$, $\overline{\text{CAS}}$ and $\overline{\text{WE}}$ define the operation to be executed.
18	$\overline{\text{CAS}}$	Column Address Strobe	Referred to $\overline{\text{RAS}}$
17	$\overline{\text{WE}}$	Write Enable	Referred to $\overline{\text{RAS}}$
16, 28, 59, 71	DQM0–DQM3	Input/Output Mask	The output buffer is placed at Hi-Z (with latency of 2) when DQM is sampled high in read cycle. In write cycle, sampling DQM high will block the write operation with zero latency.
68	CLK	Clock Inputs	System clock used to sample inputs on the rising edge of clock.
67	CKE	Clock Enable	CKE controls the clock activation and deactivation. When CKE is low, Power Down mode, Suspend mode, or Self Refresh mode is entered.
1, 15, 29, 43	VDD	Power	Power for input buffers and logic circuit inside DRAM.
44, 58, 72, 86	VSS	Ground	Ground for input buffers and logic circuit inside DRAM.
3, 9, 35, 41, 49, 55, 75, 81	VDDQ	Power for I/O Buffer	Separated power from VDD, to improve DQ noise immunity.
6, 12, 32, 38, 46, 52, 78, 84	VSSQ	Ground for I/O Buffer	Separated ground from VSS, to improve DQ noise immunity.
14, 21, 30, 57, 69, 70, 73	NC	No Connection	No connection.

W9864G6JH-6 Block diagram



PCM1690 (HDMI : U1048)



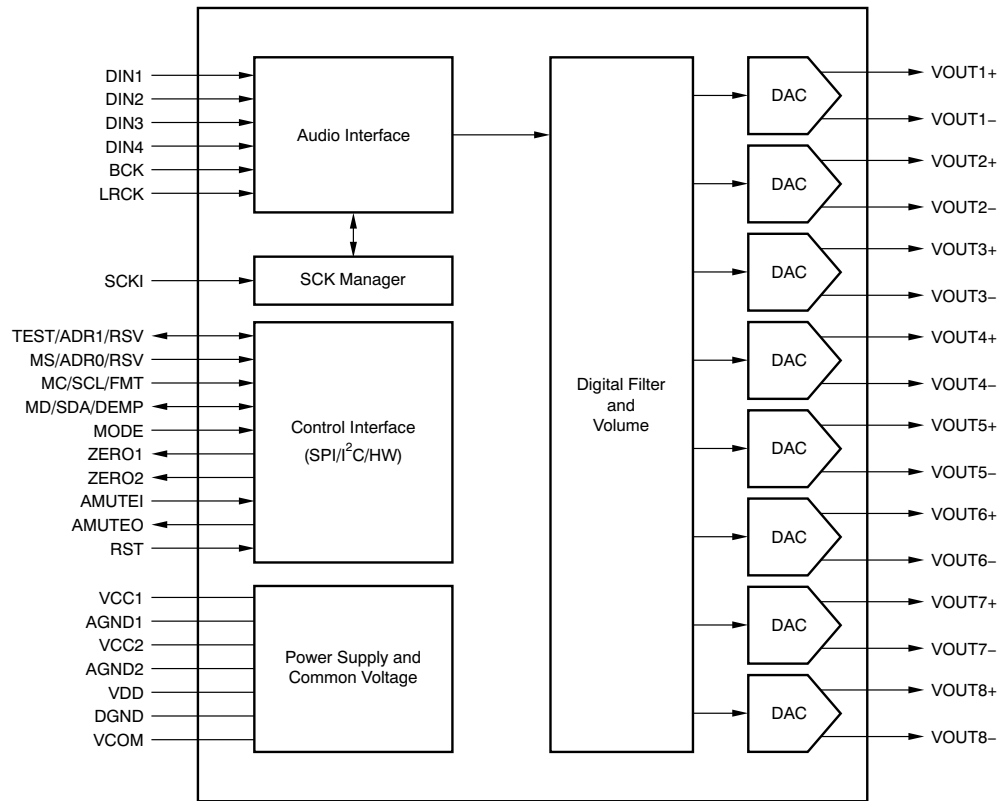
PCM1690 Pin Function

TERMINAL NAME	PIN	I/O	PULL- DOWN	5-V TOLERANT	DESCRIPTION
RSV2	1	—	—	—	Reserved, tied to analog ground
RSV1	2	—	—	—	Reserved, left open
RSV2	3	—	—	—	Reserved, tied to analog ground
RSV1	4	—	—	—	Reserved, left open
RSV2	5	—	—	—	Reserved, tied to analog ground
LRCK	6	I	Yes	No	Audio data word clock input
BCK	7	I	Yes	No	Audio data bit clock input
DIN1	8	I	No	No	Audio data input for DAC1 and DAC2
DIN2	9	I	No	No	Audio data input for DAC3 and DAC4
DIN3	10	I	No	No	Audio data input for DAC5 and DAC6
DIN4	11	I	No	No	Audio data input for DAC7 and DAC8
VDD	12	—	—	—	Digital power supply, +3.3 V
DGND	13	—	—	—	Digital ground
SCKI	14	I	No	Yes	System clock input
RST	15	I	Yes	Yes	Reset and power-down control input with active low
ZERO1	16	O	No	No	Zero detect flag output 1
ZERO2	17	O	No	No	Zero detect flag output 2
AMUTEI	18	I	No	Yes	Analog mute control input with active low
AMUTEO	19	O	No	Yes	Analog mute status output(1) with active low
MD/SDA/DEMP	20	I/O	No	Yes	Input data for SPI, data for I2C(1), de-emphasis control for hardware control mode
MC/SCL/FMT	21	I	No	Yes	Clock for SPI, clock for I2C, format select for hardware control mode
MS/ADR0/RSV	22	I	Yes	Yes	Chip Select for SPI, address select 0 for I2C, reserve (set low) for hardware control mode
TEST/ADR1/RSV	23	I/O	No	Yes	Test (factory use, left open) for SPI, address select 1 for I2C, reserve (set low) for hardware control mode
MODE	24	I	No	No	Control port mode selection. Tied to VDD: SPI, left open: H/W mode, tied to DGND: I2C
VCC1	25	—	—	—	Analog power supply 1, +5 V
VCOM	26	—	—	—	Voltage common decoupling
AGND1	27	—	—	—	Analog ground 1
RSV2	28	—	—	—	Reserved, tied to analog ground
VOUT8+	29	O	No	No	Positive analog output from DAC8
VOUT8-	30	O	No	No	Negative analog output from DAC8
VOUT7+	31	O	No	No	Positive analog output from DAC7
VOUT7-	32	O	No	No	Negative analog output from DAC7
VOUT6+	33	O	No	No	Positive analog output from DAC6
VOUT6-	34	O	No	No	Negative analog output from DAC6
VOUT5+	35	O	No	No	Positive analog output from DAC5
VOUT5-	36	O	No	No	Negative analog output from DAC5
VOUT4+	37	O	No	No	Positive analog output from DAC4
VOUT4-	38	O	No	No	Negative analog output from DAC4
VOUT3+	39	O	No	No	Positive analog output from DAC3
VOUT3-	40	O	No	No	Negative analog output from DAC3
VOUT2+	41	O	No	No	Positive analog output from DAC2
VOUT2-	42	O	No	No	Negative analog output from DAC2

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

(1) Open-drain configuration in out mode.

PCM1690 FUNCTIONAL BLOCK DIAGRAM



PCM5100 (HDMI:U1052)

PCM510X (top view)

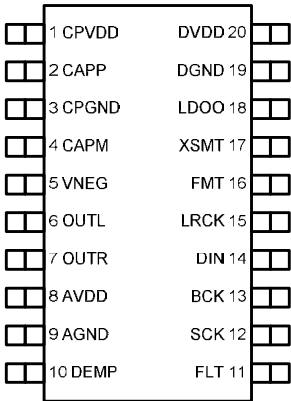


Table 2. TERMINAL FUNCTIONS, PCM510x

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

(1) Failsafe LVCMOS Schmitt trigger input

PCM5100 Block Diagram

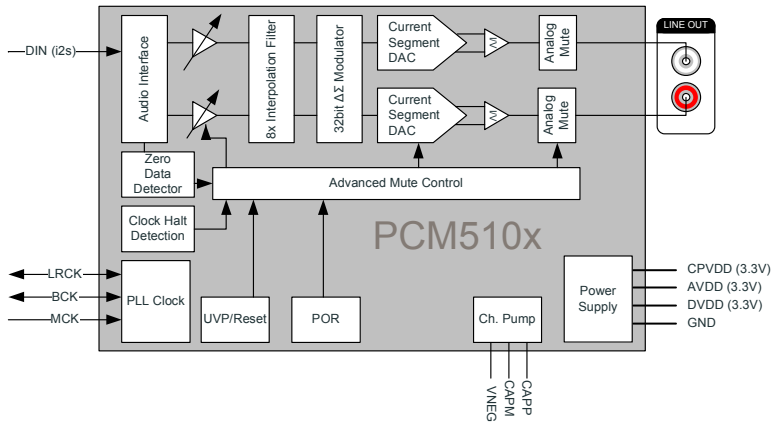
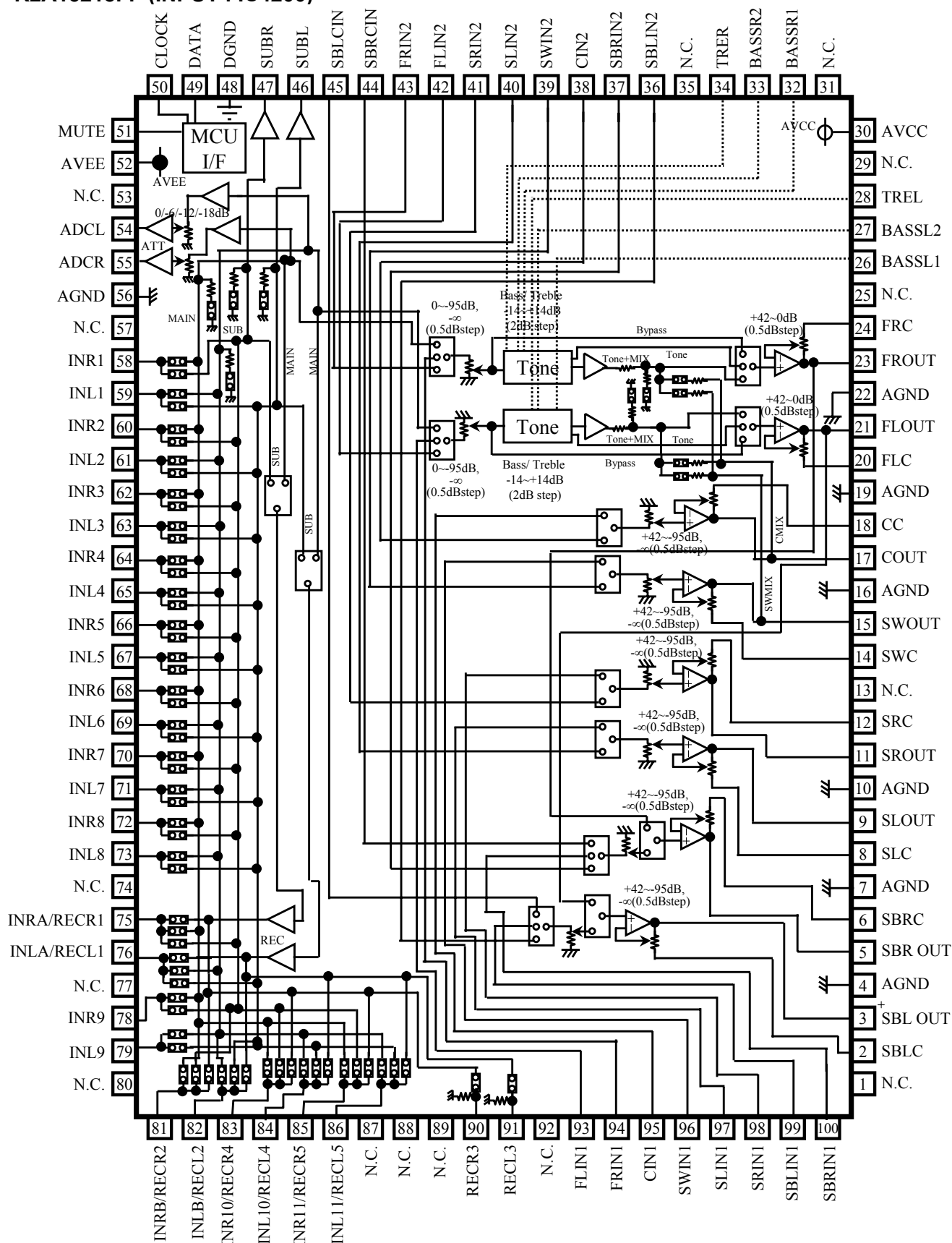


Figure 1. PCM510x Functional Block Diagram

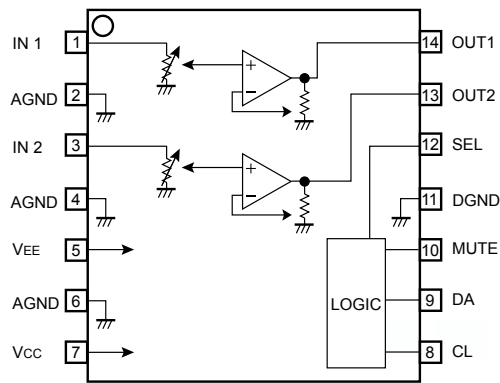
R2A15218FP (INPUT : IC4200)



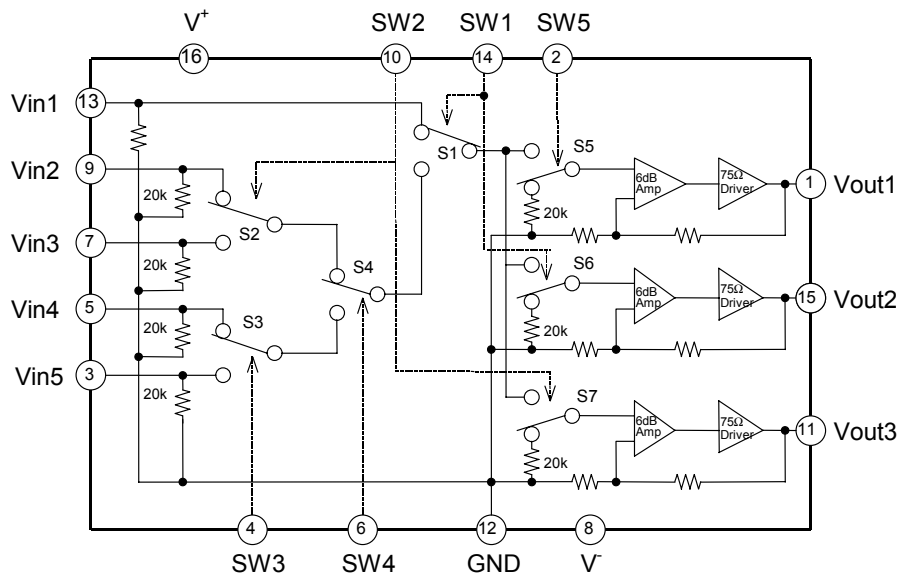
R2A15218FP Pin Function

PIN No.	Name	Function
23,21, 17,15, 11,9, 5,3	FROUT,FLOUT, COUT,SWOUT, SROUT, SLOUT, SBROUT,SBLOUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
24,20, 18,14, 12,8, 6,2	FRC,FLC, CC,SWC, SRC,SLC, SBRC,SBLC	Connects capacitor for reducing click noise of L/R/C/SW/SL/SR/SBL/SBR channel volume
4,7,10,16, 19,22,56	AGND	Analog ground of internal circuit
28,34	TREL, TRER	Frequency characteristic setting pin of L/R channel tone control (Treble)
26,27, 32,33	BASSL1,BASSL2 BASSR1,BASSR2	Frequency characteristic setting pin of L/R channel tone control (Bass)
30	AVCC	Positive power supply to internal circuit
43,42, 41,40, 39,38, 37,36	FRIN2, FLIN2, SRN2,SLIN2, SWIN2,CIN2, SBRIN2,SBLIN2	Input pin of L/R/C/SW/SL/SR/SBL/SBR channel (Multi IN 1/2)
93,94, 95,96, 97,98, 99,100	FLIN1, FRIN1, CIN1,SWIN1, SLIN1,SRIN1, SBLIN1,SBRIN1	
48	DGND	Digital ground of internal circuit
49	DATA	Input pin of control data
50	CLOCK	Input pin of control clock
52	AVEE	Negative power supply to internal circuit
59,61,63, 65,67,69, 71,73,79	INL1,INL2, INL3, INL4,INL5,INL6, INL7,INL8,INL9	Input pin of L/R channel (Input Selector)
58,60,62, 64,66,68, 70,72,78	INR1,INR2, INR3, INR4,INR5,INR6, INR7,INR8,INR9	
51	MUTE	Outside Mute Control PIN
44,45	SBRCIN,SBLCIN	Input pin for SBL/SBR channel Volume
46,47	SUBL,SUBR	Output pin for L/R channel SUB Output
54,55	ADCL, ADCR	Output pin for L/R channel ADC
90,91	RECR3,RECL3	Output pin for L/R channel REC Output
75,76, 81,82, 83,84, 85,86	INRA/RECR1,INLA/RECL1, INRB/RECR2,INLB/RECL2, INR10/RECR4,INL10/RECL4, INR11/RECR5,INL11/RECL5	Input pin of L/R channel (Input Selector)/ Output pin for L/R channel REC Output
1,13,25,29,31, 35,53, 57,74,77,80, 87,88,89,92	N.C.	No Connected PIN

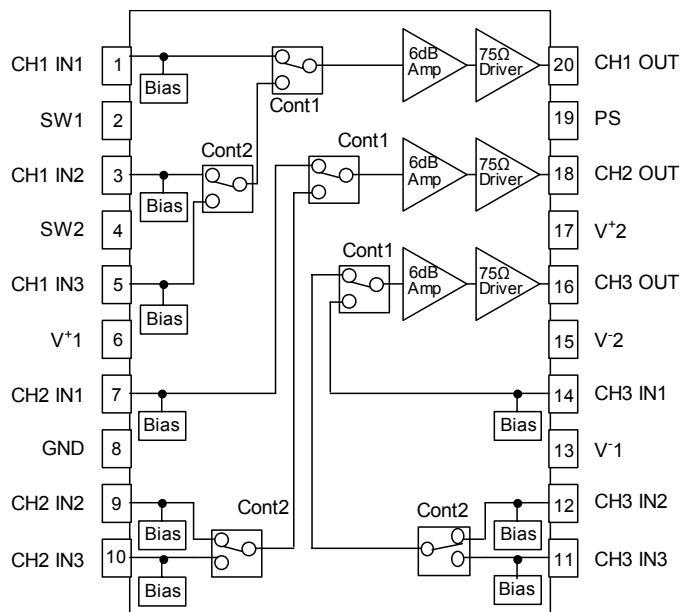
BD3812F (INPUT:IC5202)



NJM2595MTE1 (VIDEO:IC5001)



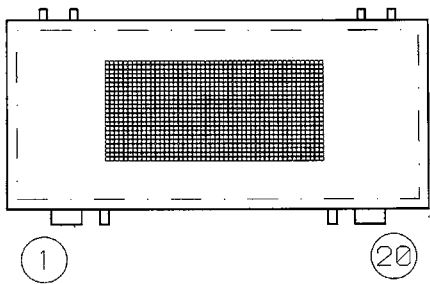
NJM2586AVC3(VIDEO:IC5002)



SSOP20-C3

2. FL DISPLAY

FLD (GP1261AI) (FRONT : FLT4400)



PIN CONNECTION

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CONNECTION	F	N	N	N	N	N	N	S	N	E	I	S	D	C	-	O	P	L	G	V
	-	P	C	C	C	C	T	T	T	T	O	K	S	C	C	H	D	D	D	P

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) DIO ----- Serial Data Input

12) RESET --- Reset Input

13) INT ----- Int pin

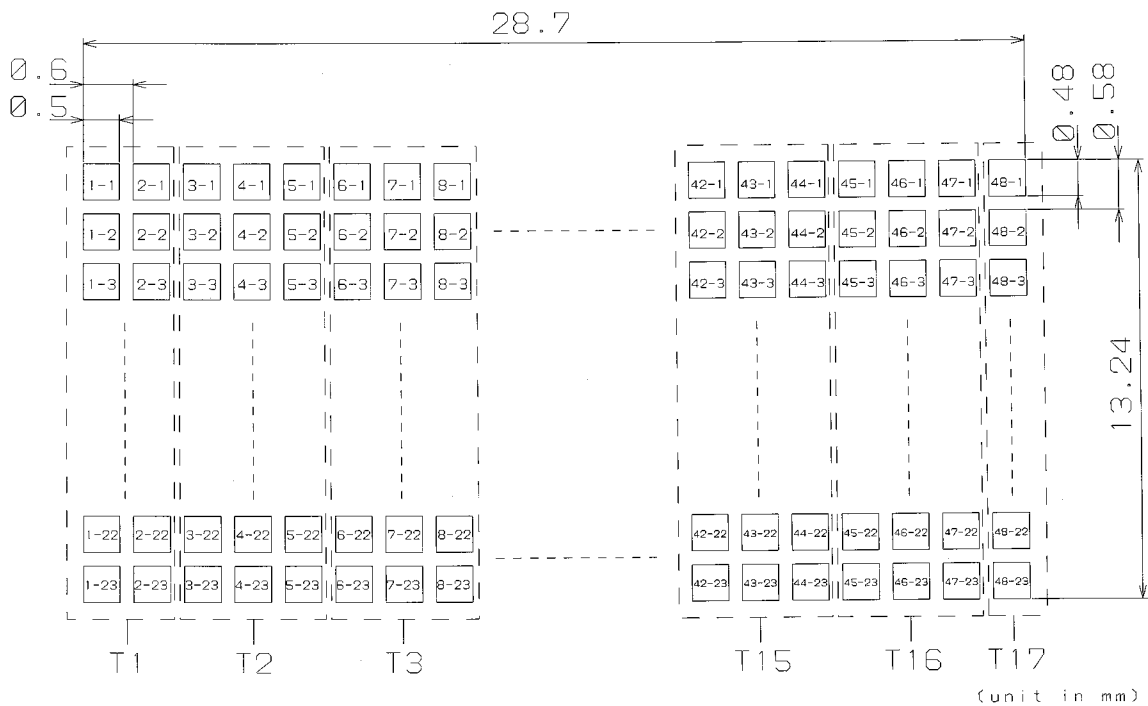
14) TEST --- Test pin

15) Solder composition is Sn-3Ag-0.5Cu.

16) NC ----- No connection

(NC pin should be electrically open on the PC board)

PATTERN DETAIL



COLOR OF ILLUMINATION
 Green (G. x=0.24,y=0.41) - - - - All graphics.

MAIN PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed t NOTE: The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D4000-4004	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	5	
D4007	00D276040190S	D.SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	1	
D4008	963203500300D	D.RECTIFIER BRIDGE DIODE BRIDGE D10SB60 600V/10A STRAIGHT TYPE		K047100600220S	1	
D4009,4010	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	2	
D4013	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	1	
D4014	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4016	00D276040190S	D.SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	1	
D4017	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4019	00D276040190S	D.SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	1	
D4020	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4022	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4023	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	1	
D4025	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4026	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	1	
D4027-4030	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	4	
D4031,4032	00D276040190S	D.SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	2	
D4033-4036	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	4	
D4037	00D276040190S	D.SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	1	
D4038	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	1	
D4039-4044	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	6	
D4703	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	1	
IC4000	00D263110000S	IC.LINEAR-REGULATOR KIA7805API.20W-TO220IS MOLD		J126790500110S	1	
IC4001	00D2631099006	IC.LINEAR-REGULATOR KIA7905PI.20W-TO220IS MOLD		J126790500070S	1	
IC4002	00D2631104001	IC.LINEAR-REGULATOR BA08T 8V TO220FP LOW-DROP POSITIVE VOLTAGE REG		J126080000020S	1	
IC4003	00D263110000S	IC.LINEAR-REGULATOR KIA7805API.20W-TO220IS MOLD		J126780500110S	1	
IC4004	00D2631251006	IC.LINEAR-REGULATOR KIA7908PI.20W-TO220IS		J126790800060S	1	
IC4005	963232100400S	IC.LINEAR OP UTC4580E SOP8 DUAL OP AMP		J121458001010S	1	
IC4700	00D2631286903	IC.LINEAR-REGULATOR PQ120DNA1ZPH 12V 1A SC-63		J126120010010S	1	
IC4701	236810090504S	IC.LOGIC-INTERFACE ILX3232D 3V3 RS232 INTERFACE TRANSCEIVER SOP16		J046323200020S	1	
Q4005-4010	963214500310S	SEMI.CHIP TR/NPN 2SC RT1N237C 02W/SC-59 ISAHAYA		J522102371210S	6	
ZD4002	963202500330D	D.ZENER ZJ68B-05W/5MA-52MM SEMTECH		K06006R844522S	1	
ZD4157,4158	963202500290D	D.ZENER ZJ36B-05W/5MA-52MM SEMTECH		K06003R644522S	2	
ZD4700	963202500400S	D.ZENER ZJ16B-05W/5MA-52MM SEMTECH		K06016R044522S	1	
RESISTOR GROUP						
R4000,4001	963125010110S	R.METAL FILM 100PPM 470-J,2W-RREEL		C060047166060S	2	
R4002	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX		C00001006P520S	1	
R4003	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL		C060010066050S	1	
R4004	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX		C00001006P520S	1	
R4005	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL		C060010066050S	1	
R4006	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX		C00001006P520S	1	
R4007	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL		C060010066050S	1	
R4008	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX		C00001006P520S	1	
R4009	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL		C060010066050S	1	
R4010	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX		C00001006P520S	1	
R4011	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL		C060010066050S	1	
R4012	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX		C00001006P520S	1	
R4013	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL		C060010066050S	1	
R4014	nsp	R.CARBON FILM 10-J,1/5W-52RE-AX		C00001006P520S	1	
R4015	963125010100S	R.METAL FILM 100PPM 10-J 2W, R-REEL		C060010066050S	1	
R4016	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX		C00001016P520S	1	
R4017-4020	nsp	R.CARBON FILM 20-J,1/5W-52RE-AX		C00002006P520S	4	
R4025-4027	963125500070D	R.METAL FILM 100PPM 11K-J,1W-RREEL		C060011265050S	3	
R4029	nsp	R.METAL FILM 100PPM 10K-J,1/4W-RREEL		C060103063050S	1	
R4035	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060200S	1	
R4036-4038	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	3	
R4039,4040	nsp	R.CHIP THICK 82K-J,1/16W-1608REEL		C20008236M160S	2	
R4041	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4042	nsp	R.CHIP THICK 33-J,1/16W-1608REEL		C20003306M160S	1	
R4043	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4044,4045	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	2	
R4046	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4047	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4048	nsp	R.CHIP THICK 33-J,1/16W-1608REEL		C20003306M160S	1	
R4049	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4052	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	1	
R4056	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	1	
R4057	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4058	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4059	nsp	R.CHIP THICK 22K-J,1/16W-1608REEL		C20002236M160S	1	
R4060	nsp	R.CHIP THICK 330K-J,1/16W-1608REEL		C20003346M160S	1	
R4061	nsp	R.CHIP THICK 22K-J,1/16W-1608REEL		C20002236M160S	1	
R4062	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4063	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL		C20003326M160S	1	
R4064	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4065	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL		C20003336M160S	1	
R4066,4067	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	2	
R4069	963129501010S	R.CEMENT MPR 001-J/5W W14*H18 9MM PITCH		C144R01069000S	1	
R4070	nsp	R.CARBON FILM 20-J,1/5W-52RE-AX		C00002006P520S	1	
R4708,4709	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	2	
R4710	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
R4711	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4714	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
CAPACITORS GROUP						
C4000	nsp	C.FILM POLYESTER MI-0047UF-J/50V-5RE		D020473167050S	1	
C4001	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1608REEL		D011222777160S	1	
C4003	nsp	C.FILM POLYESTER MI-0047UF-J/50V-5RE		D020473167050S	1	
C4004	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1608REEL		D011222777160S	1	
C4006,4007	nsp	C.FILM POLYESTER MI-0047UF-J/50V-5RE		D020473167050S	2	
C4008	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1608REEL		D011222777160S	1	
C4010,4011	nsp	C.FILM POLYESTER MI-0047UF-J/50V-5RE		D020473167050S	2	
C4012	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1608REEL		D011222777160S	1	
C4014	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1608REEL		D011222777160S	1	
C4016,4017	nsp	C.FILM POLYESTER MI-0047UF-J/50V-5RE		D020473167050S	2	
C4018	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1608REEL		D011222777160S	1	

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C4020	nsp	C.FILM POLYESTER MI-0047UF-J/50V-5RE		D020473167050S	1	
C4021	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1608REEL		D011222777160S	1	
C4023-4025	nsp	C.FILM POLYESTER MI-0047UF-J/50V-5RE		D020473167050S	3	
C4027	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1608REEL	U, K	D011102777160S	1	
C4027	nsp	X7R)0.1UF-K/50V-1608REEL	N	D011104577160S	1	*
C4028	nsp	C.FILM POLYESTER MI-0047UF-J/50V-5RE		D020473167050S	1	
C4030	nsp	C.FILM POLYESTER MI-0047UF-J/50V-5RE		D020473167050S	1	
C4032	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1608REEL	U, K	D011102777160S	1	
C4032	nsp	X7R)0.1UF-K/50V-1608REEL	N	D011104577160S	1	*
C4035	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1608REEL	U, K	D011102777160S	1	
C4035	nsp	X7R)0.1UF-K/50V-1608REEL	N	D011104577160S	1	*
C4038	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1608REEL	U, K	D011102777160S	1	
C4038	nsp	X7R)0.1UF-K/50V-1608REEL	N	D011104577160S	1	*
C4041	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1608REEL	U, K	D011102777160S	1	
C4041	nsp	X7R)0.1UF-K/50V-1608REEL	N	D011104577160S	1	*
C4044	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1608REEL	U, K	D011102777160S	1	
C4044	nsp	X7R)0.1UF-K/50V-1608REEL	N	D011104577160S	1	*
C4047	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1608REEL	U, K	D011102777160S	1	
C4047	nsp	X7R)0.1UF-K/50V-1608REEL	N	D011104577160S	1	*
C4049	00D2544574922	C.ELECT GE 85C 100UF-M/50V,8*11S-5RESMS SY		D040101087060S	1	
C4050,4051	nsp	C.FILM POLYESTER RED-01UF-K/250V-5RE PCMT365		D02010407H080S	2	
C4052	963134501800D	C.ELECT GE 85C 1000UF-M/71V,35*50 BULK LAO-71V103MS57P5W1#B		D040103089220S	1	
C4053	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4054	963134501800D	C.ELECT GE 85C 1000UF-M/71V,35*50 BULK LAO-71V103MS57P5W1#B		D040103089220S	1	
C4057	963134502400S	C.FILM POLYESTER MI-01UF-J/50V-5RE		D020104167050S	1	
C4058	963134010700S	C.ELECT GE 85C 2200UF-M/25V,16*25-LBLK SMS 50MC SY		D040222084030S	1	
C4059	963134011290S	C.ELECT GE 85C 4700UF-M/16V,16*25-LBLK SMS 50MC SY		D040472083020S	1	
C4060,4061	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	2	
C4062	00D9630217002	C.ELECT GE 85C 3300UF-M/16V,125*25-LBLK SHL 50MC SY		D040332083010S	1	
C4063	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4064	00D9630333203	C.ELECT GE 85C 100UF-M/16V,5*11-5RE,SHL SY		D040101083090S	1	
C4065	963134502760S	C.ELECT GE 85C 6800UF-M/25V,16*31S MHA SY		D040682084080S	1	
C4066	963134502390S	C.ELECT GE 85C 470UF-M/50V,10*20 BULK SHL SY		D040471087040S	1	
C4067	90M-OA000500R	C.ELECT GE 85C 4700UF-M/25V(MHA),16*25 P=75 LBLK		D040472084240S	1	
C4068	963134502390S	C.ELECT GE 85C 470UF-M/50V,10*20 BULK SHL SY		D040471087040S	1	
C4069	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C4071	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4074	nsp	C.CERAMIC CHIP TC COG10PF-J/50V-1608REEL		D010100167161S	1	
C4075	00D9630333203	C.ELECT GE 85C 100UF-M/16V,5*11-5RE,SHL SY		D040101083090S	1	
C4080,4081	nsp	C.CERAMIC CHIP TC COG100PF-J/50V-1608REEL		D010101167160S	2	
C4082	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C4083	nsp	C.CERAMIC CHIP TC COG100PF-J/50V-1608REEL		D010101167160S	1	
C4085,4086	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	2	
C4087-4089	00D9609010625	C.ELECT GE 85C 1UF-M/100V,5*11-5RESMS SY		D040010086060S	3	
C4702,4703	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	2	
C4704-4706	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	3	
C4707	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4711,4712	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	2	
C4716,4717	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	2	
C4718,4719	nsp	C.CERAMIC CHIP TC COG133PF-J/50V-1608REEL		D010330167160S	2	
OTHER PARTS GROUP						
CN4211	nsp	CN.WIRE 260MM/3P 5264-03=CKM2509HV-03 RD1569#20 105C		L000261030110S	1	
CN4212	nsp	CN.WIRE 2MM 120MM/10P 20010HS-10=CKM2002HV-10 WH1007#26		L002121102620S	1	
CN4213	nsp	CN.WIRE 220MM/5P 5264-05=CKM2509HV-05 RD1569#20 105C		L000221050070S	1	
CN4702	nsp	CN.WAFER 125B-2-7Y 7P BtoB SOCKET(FEMALE) P=125MM		L109125420710S	1	*
CP4001	nsp	CN.WAFER 792MM LWB1143-07P 792MM HEADER,VER,7CKT		L108011430710S	1	
CP4002	nsp	CN.WAFER 125B-2-15A 15P BtoB HEADER(MALE) P=125MM		L109125321510S	1	*
CP4003	nsp	CN.WAFER 125B-2-21A 21P BtoB HEADER(MALE) P=125MM		L109125322110S	1	*
CP4006	nsp	CN.WAFER 125B-2-11A 11P BtoB HEADER(MALE) P=125MM		L109125321110S	1	*
CP4007	nsp	CN.WAFER 125B-2-9A 9P BtoB HEADER(MALE) P=125MM		L109125320910S	1	*
CP4700	nsp	CN.WAFER 125B-2-11A 11P BtoB HEADER(MALE) P=125MM		L109125321110S	1	*
CP4702,4703	nsp	CN.WAFER 125B-2-7A 7P BtoB HEADER(MALE) P=125MM		L109125320710S	2	*
BD4000	nsp	COIL,BEAD CB03YTYN121-1608REEL		D340160891210S	1	
BKT4143	nsp	BRACKET AVR1611BKE3 SECC 110+Sn plating /PCB MTG		4010214876000S	1	
! F4000	963652010520S	FUSE GLASS TUBE 20MM T63A/250V-IVBSUCPCcUR S506		N751506301160S	1	
F4000A	nsp	HOLDER,FUSE CLIP PI52-REEL		G645000050010S	1	
F4000B	nsp	HOLDER,FUSE CLIP PI52-REEL		G645000050010S	1	
! F4001	963652010520S	FUSE GLASS TUBE 20MM T63A/250V-IVBSUCPCcUR S506		N751506301160S	1	
F4001A	nsp	HOLDER,FUSE CLIP PI52-REEL		G645000050010S	1	
F4001B	nsp	HOLDER,FUSE CLIP PI52-REEL		G645000050010S	1	
JACK4000	963643102960S	TER,BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)	U	G611207F02RBYS	1	*
JACK4000	963646100580S	SJ2004S-A006-00A200B(RD,BK)(Transparent) BINDING	N, K	G6112004SA003S	1	
JACK4001	963643102960S	TER,BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)	U	G611207F02RBYS	1	*
JACK4001	963646100580S	SJ2004S-A006-00A200B(RD,BK)(Transparent) BINDING	N, K	G6112004SA003S	1	
JACK4002	963643102960S	TER,BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)	U	G611207F02RBYS	1	*
JACK4002	963646100580S	SJ2004S-A006-00A200B(RD,BK)(Transparent) BINDING	N, K	G6112004SA003S	1	
JACK4003	963643102960S	TER,BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)	U	G611207F02RBYS	1	*
JACK4003	963646100580S	SJ2004S-A006-00A200B(RD,BK)(Transparent) BINDING	N, K	G6112004SA003S	1	
JACK4004	963643102960S	TER,BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)	U	G611207F02RBYS	1	*
JACK4004	963646100580S	SJ2004S-A006-00A200B(RD,BK)(Transparent) BINDING	N, K	G6112004SA003S	1	
JACK4005	963643102960S	TER,BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)	U	G611207F02RBYS	1	*
JACK4005	963646100580S	SJ2004S-A006-00A200B(RD,BK)(Transparent) BINDING	N, K	G6112004SA003S	1	
JACK4006	963643102960S	TER,BOARD SCREW 2P JB207-F02R3BY-B(RD,BK)(Transparence)	U	G611207F02RBYS	1	*
JACK4006	963646100580S	SJ2004S-A006-00A200B(RD,BK)(Transparent) BINDING	N, K	G6112004SA003S	1	
JACK4700	00D9630244703	JACK,D35 EARPHONE JACK PJ-308-02		G40130802000YS	1	
JACK4702	00D2051305008	CN.WAFER INTERFACE 9P FEMALE D-SUB DS03-09 ADD SCREW(48*118)BLACK		L103090090030S	1	
L4000-4006	nsp	COIL,FILTER-INDUCTOR SP-2507 10 P12UEW TURNS=7T SPRING COIL		D330900001330S	7	
PACK4000	963189100860D	TUNER,FM/AM KST-MW004MV1-S63SV-1 4GANG+MW+50US NA	U	E903004103630S	1	
PACK4000	963189100870D	KST-MW104MV1-S63G	N	E903104102630S	1	
PACK4000	963189100850D	KST-MW004MV1-S63-1	K	E903004101630S	1	
RLY4000	00D9630218409	RELAY BC3-12 24V 2A 2 Circuit 2 Contact(SMALL SIGNAL)		G680240202030S	1	
RLY4001-4004	963682100280D	RELAY JZC-42F/012-2HST 244*128*248mm		G680060103010S	4	
RLY4005	963682100510S	RELAY HF115F/012-2ZS4B		G680060083010S	1	

FRONT PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied.

※The parts listed t NOTE: The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D4400	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	1	
D4401-4405	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	5	
D4406,4407	963209003510S	D.ESD CHIP CDS3C05HDM1 CERADIODE ESD FOR HDMI 1608REEL		K067030500010S	2	
D4408	963209500020S	D.ESD CHIP CDS3C15GTA 1608REEL CERADIODE ESD B72500D0150A060		K067031500010S	1	
D4409-4416	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	8	
IC4400	963231101200S	IC.LINEAR-REGULATOR NJM2887DL3-TE2 TO-252-5 LOW-DROP VOL REGULATOR		J126288700010S	1	
IC4401,4402	963232100400S	IC.LINEAR OP UTC4580E SOP8 DUAL OP AMP		J121458001010S	2	
Q4403	00D963022670S	SEMI,TR/GE NPN 2SC KTC1027Y,1W/TO92L-REEL		J5021027Y0020S	1	
Q4405-4409	943216500020S	SEMI,CHIP TR/NPN 2SC RT1N141C 02W/SC-59 ISAHAYA		J522101411210S	5	
Q4410	943215500030S	SEMI,CHIP TR/PNP 2SA RT1P441C 02W/SC-59 ISAHAYA		J520104411210S	1	
ZD4400	nsp	CN.WIRE 1P JUMPER (06/52MM)		L045084006040S	1	
ZD4401	963202500420S	D.ZENER ZJ18B-05W/5MA-52MM SEMTECH		K06018R044522S	1	
ZD4402	963202500430S	D.ZENER ZJ24B-05W/5MA-52MM SEMTECH		K06024R044522S	1	
ZD4403,4404	963202500310D	D.ZENER ZJ51B-05W/5MA-52MM SEMTECH		K06005R144522S	2	
ZD4407	963202500310D	D.ZENER ZJ51B-05W/5MA-52MM SEMTECH		K06005R144522S	1	
RESISTOR GROUP						
R4401	00D9639006272	R.FIXED,MO RSD-R1-1WJ-47 3*9 P=5MM SMALL RREEL		N113135647920S	1	
R4403	nsp	CN.WIRE 1P JUMPER (06/52MM)		L045084006040S	1	
R4405	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4406	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R4409	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	1	
R4411	nsp	R.CHIP THICK 75K-J,1/16W-1608REEL		C20007536M160S	1	
R4415	nsp	R.CHIP THICK 150K-J,1/16W-1608REEL		C20001546M160S	1	
R4416	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL		C20004726M160S	1	
R4418	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL		C20004726M160S	1	
R4423	nsp	R.CHIP THICK 10-J,1/16W-1608REEL		C20001006M160S	1	
R4425	nsp	R.CHIP THICK 10-J,1/16W-1608REEL		C20001006M160S	1	
R4426	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4429	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	1	
R4430-4432	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	3	
R4433	nsp	R.CHIP THICK 120K-J,1/16W-1608REEL		C20001246M160S	1	
R4434	nsp	R.CHIP THICK 12K-J,1/16W-1608REEL		C20001226M160S	1	
R4435	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4437	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4438	nsp	R.CHIP THICK 12K-J,1/16W-1608REEL		C20001226M160S	1	
R4439	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	1	
R4441	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4442,4443	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX		C00001016P520S	2	
R4444	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
R4445	nsp	R.CHIP THICK 300-J,1/16W-1608REEL		C20003016M160S	1	
R4446	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL		C20004736M160S	1	
R4447	nsp	R.CHIP THICK 390-J,1/16W-1608REEL		C20003916M160S	1	
R4448	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4450-4454	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	5	
R4455	nsp	R.CHIP THICK 18K-J,1/16W-1608REEL		C20001836M160S	1	
R4456,4457	nsp	R.CARBON FILM 47K-J,1/5W-52RE-AX		C00004726P520S	2	
R4458	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R4459	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4460	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R4461	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL		C20004726M160S	1	
R4462	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R4465,4466	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX		C00001016P520S	2	
R4467,4468	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	2	
R4469	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX		C00001016P520S	1	
R4470	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R4471,4472	nsp	R.CHIP THICK 22K-J,1/16W-1608REEL		C20002226M160S	2	
R4473	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4474,4475	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R4476	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
R4477,4478	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	2	
R4479	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R4481	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R4483,4484	nsp	R.CARBON FILM 47K-J,1/5W-52RE-AX		C00004726P520S	2	
R4485,4486	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	2	
R4489,4490	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	2	
CAPACITORS GROUP						
C4409,4410	nsp	C.FILM POLYESTER ST-01UF-J/100V-5RE PEFAM104J100 PEF TYPE		D02010406C060S	2	
C4411	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C4412	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4413	nsp	CN.WIRE 1P JUMPER (06/52MM)		L045084006040S	1	
C4414	00D9630157900	C.ELECT GE 85C 470UF-M/63V,125*20 BULK- SHL SY		D040471088010S	1	
C4416	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4418	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C4419	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4421,4422	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	2	
C4424	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C4426	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C4427-4429	nsp	C.CERAMIC CHIP TC COG100PF-J/50V-1608REEL		D010101167160S	3	
C4431,4432	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	2	
C4433	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4434	nsp	C.CERAMIC CHIP HIK X7R001UF-K/50V-1608REEL		D011103777160S	1	
C4435	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C4436	nsp	C.CERAMIC CHIP HIK Y5V0047UF-Z/50V-1608REEL		D011473597160S	1	
C4437,4438	00D9630293602	C.ELECT GE 85C 1UF-M/50V,5*11-5RESMS SY (Pb Free)		D040010087150S	2	
C4440,4441	nsp	C.CERAMIC CHIP HIK X7R001UF-K/50V-1608REEL		D011103777160S	2	
C4442,4443	nsp	C.CERAMIC CHIP TC COG470PF-J/50V-1608REEL		D010471167160S	2	
C4444	nsp	C.CERAMIC CHIP TC COG82PF-J/50V-1608REEL		D010820167160S	1	
C4445	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4446	00D9630293709	C.ELECT GE 85C 100UF-M/10V,5*11-5RESMS SY		D040101082070S	1	
C4447	nsp	C.CERAMIC CHIP HIK X7R)0047UF-K/25V-1608REEL		D011473774161S	1	
C4448	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C4449	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4450	nsp	C.CERAMIC CHIP HIK X7R)0047UF-K/25V-1608REEL		D011473774161S	1	
C4451	nsp	C.CERAMIC CHIP HIK Y5V0047UF-Z/50V-1608REEL		D011473597160S	1	

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
C4452,4453	00D2544573981	C,ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	2		
C4454	nsp	C,CERAMIC CHIP HIK X7R010UF-K/50V-1608REEL		D011104577160S	1		
C4455,4456	nsp	C,CERAMIC CHIP TC COG330PF-J/50V-1608REEL		D010331167160S	2		
C4457,4458	nsp	C,CERAMIC CHIP HIK X7R01000PF-K/50V-1608REEL		D011102777160S	2		
C4460,4461	nsp	C,CERAMIC CHIP HIK X7R0010UF-K/50V-1608REEL		D011103777160S	2		
C4462	nsp	C,CERAMIC CHIP HIK X7R010UF-K/50V-1608REEL		D011104577160S	1		
C4463	nsp	C,ELECT GE 85C 220UF-M/63V,8*5-5RE SRE SY		D040221081070S	1		
C4464	nsp	C,CERAMIC CHIP HIK X7R010UF-K/50V-1608REEL		D011104577160S	1		
C4465,4466	nsp	C,CERAMIC CHIP TC COG470PF-J/50V-1608REEL		D010471167160S	2		
C4467	nsp	C,CERAMIC CHIP TC COG100PF-J/50V-1608REEL		D010101167160S	1		
C4469	00D9630293602	C,ELECT GE 85C 1UF-M/50V,5*11-5RESMS SY (Pb Free)		D040010087150S	1		
C4472,4473	nsp	C,FILM POLYESTER ST-0010UF-J/100V-5RE PEFAM103J100 PEF TYPE		D02010306C060S	2		
C4474,4475	00D9630293602	C,ELECT GE 85C 1UF-M/50V,5*11-5RESMS SY (Pb Free)		D040010087150S	2		
C4476	nsp	C,FILM POLYESTER ST-01UF-J/100V-5RE PEFAM104J100 PEF TYPE		D02010406C060S	1		
C4477	nsp	C,FILM POLYESTER ST-0047UF-J/100V-5RE		D02047306C060S	1		
C4478,4479	nsp	C,CERAMIC CHIP HIK X7R010UF-K/50V-1608REEL		D011104577160S	2		
C4480	nsp	C,CERAMIC CHIP HIK Y5V0047UF-Z/50V-1608REEL		D011473597160S	1		
OTHER PARTS GROUP							
CLAMP401-403	nsp	CLAMP HMX9800(ON)(HAITAI) (W=26,L=50)/WIRE(SOLDER)		4330000120000S	3		
CLAMP406	nsp	CLAMP HMX9800(ON)(HAITAI) (W=26,L=50)/WIRE(SOLDER)		4330000120000S	1		
CN4400	nsp	CNFPIC 10MM 10-11S-40PW 40P AN DIP TOP CONTACT		L130100114050S	1		
CN4401	nsp	CNWAFAER 20MM TUC-P05X-B1 BD-TO-BD 5P HOUSING ST (35237-05)		L101100030510S	1		
CN4402	nsp	CN.WIRE 2MM 330MM/5P CKM2002HV-05=20010HS-05 RD2725#24/28 SHLD		L002331050210S	1		
CP4400	nsp	CNWAFAER 25MM YMAW025-07R DIP RA		L102025070010S	1		
CP4401	nsp	CNWAFAER 20MM TUC-P05P-B1 BD-TO-BD 5P WAFER ST (35336-05)		L101100040510S	1		
BD4400	nsp	COIL,BEAD CB03YTYN121-1608REEL		D340160891210S	1		
BD4401-4407	nsp	R,CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	7		
BD4408	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	1		
BD4409,4410	nsp	R,CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	2		
BKT4001	nsp	BRACKET SR5006U1BSPTH I05(CMD1A792) A4/USB		4010215216000S	1		
BKT4401	nsp	BRACKET AVR3300(E3J)(DENON) SPTH 08U/SCREW		4010210196000S	1		
! F4400	963652500020S	FUSE CHIP 6125FF500-R 500mA FAST-ACTING SUBMINIATURE FUSE		G657612505030S	1		
FLT4400	172010008005S	DISPLAY,FLT GP1261A1 556*25 66T GREEN/SR5006		K530126100010S	1		
G4401	nsp	RING,TER WIRE 160MM/1P 61640-B5=CKM9919T BK1617#22		8410161010120S	1		
JACK4400	963643101150S	JACK,D35 JALCO(YKB21-5442V)		G401KB215442VS	1		
JACK4401	963643101160S	TER,RCA 3PIN RCA-328H-1-03(BK,BK,BK)		G606328H0300YS	1		
JK4400	963643101840S	CN,PLUG CONTACT USB A TYPE FEMALE DIP4P BK R/A USB-101		G480040001010S	1		
JK4401	963643101120S	JACK,D65 PHONE (YUQIU) D65 9P SILVER PJ-612A-9		G402PJ612A09YS	1		
LED4406,4407	963263101010S	LED,ROUND BL-BUF4V2-HS-AV-FP35-TBF195C RED LED		K500032001240S	2	*	
LED4408	963263100510S	LED,ROUND WEJ3290W-R2H0-BA 3PI RED/YELLOW GREEN BI-COLOR		K500032451010S	1		
RM4400	963262012130S	MODULE,REMOCON R34ES9A 36KHZ IR REMOCON MODULE P=254MM		E940349003610S	1		
SW4400-4409	00D963009530S	SW,TACT SKHV10910D01 KB581/LG 160G		G180040500010S	10		
VEC4400	963667012360S	SW,ENCODER EC16B24T01D4ZZZ 24PLUSE 360° L=25MM		G121162400060S	1		
VEC4401	963667100170D	SW,ENCODER EC16B12SAAD4ZZZ		G121161200070S	1		
★	nsp	HOLDER ASSY SR6007U1B(MARANTZ) SPTH I05(CMD1A793) A4/FLT		4328211106000	1		
★	nsp	HOLDER SR5006U1B(MARANTZ) SPTH I05(CMD1A793) A4/FLT		4320211106000S	1		
★	nsp	TAPE () NITTO #500,10MM*50M DOUBLE		A710000520000S	26		

VIDEO PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied.

※The parts listed t NOTE: The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D4210-4212	00D2760401905	D.SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	3	
D5617	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	1	
IC5001	963235100700S	IC.MONITOR SW NJM2595M-TE1 DMP16 5-INPUT 3-OUTPUT VIDEO SWITCH		J171259500010S	1	
IC5002	963235100630S	IC.MONITOR SW NJM2586AVC3 VIDEO SWITCH SSOP20-C3		J171258600020S	1	
Q4200,4201	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 02W/SC-59 ISAHAYA		J522020011210S	2	
Q4204	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 02W/SC-59 ISAHAYA		J520101411210S	1	
Q4205	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 02W/SC-59 ISAHAYA		J522101411210S	1	
Q4206,4207	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 02W/SC-59 ISAHAYA		J520101411210S	2	
Q4208	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 02W/SC-59 ISAHAYA		J522101411210S	1	
Q4209-4211	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 02W/SC-59 ISAHAYA		J520101411210S	3	
Q4213	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 02W/SC-59 ISAHAYA		J522101411210S	1	
Q4215	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 02W/SC-59 ISAHAYA		J520101411210S	1	
Q4219	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 02W/SC-59 ISAHAYA		J522101411210S	1	
Q5625,5626	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 02W/SC-59 ISAHAYA		J520101411210S	2	
Q5628	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 015W/SC-59 REEL ISAHAYA		J522305200050S	1	
Q5629	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 02W/SC-59 ISAHAYA		J522101411210S	1	
Q5630	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 02W/SC-59 ISAHAYA		J520101411210S	1	
ZD4200	963202500290D	D.ZENER ZJ36B-05W/5MA-52MM SEMTECH		K06003R644522S	1	
RESISTOR GROUP						
R4200,4201	nsp	R.CHIP THICK 220-J,1/16W-1608REEL		C20002216M160S	2	
R4202,4203	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	2	
R4212,4213	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	2	
R4222	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	1	
R4223,4224	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	2	
R4225	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	1	
R4238,4239	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R4240	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	1	
R4241	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4242,4243	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	2	
R4258	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4291	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R4295,4296	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	2	
R4297,4298	nsp	R.CARBON FILM 1K-J,1/5W-52RE-AX		C00001026P520S	2	
R4299	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4300	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4302-4304	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	3	
R5002	nsp	R.CHIP THICK 82-J,1/16W-1608REEL		C20008206M160S	1	
R5003	nsp	R.CHIP THICK 18K-J,1/16W-1608REEL		C20001826M160S	1	
R5007,5008	nsp	R.CHIP THICK 75-J,1/16W-1608REEL		C20007506M160S	2	
R5009	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R5011	nsp	R.CHIP THICK 75-J,1/16W-1608REEL		C20007506M160S	1	
R5013,5014	nsp	R.CHIP THICK 75-J,1/16W-1608REEL		C20007506M160S	2	
R5015,5016	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	2	
R5017,5018	nsp	R.CHIP THICK 160-J,1/16W-1608REEL		C20001616M160S	2	
R5019,5020	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	2	
R5021,5022	nsp	R.CHIP THICK 160-J,1/16W-1608REEL		C20001616M160S	2	
R5023,5024	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	2	
R5025,5026	nsp	R.CHIP THICK 160-J,1/16W-1608REEL		C20001616M160S	2	
R5033-5035	nsp	R.CHIP THICK 75-J,1/16W-1608REEL		C20007506M160S	3	
R5036	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R5037-5039	nsp	R.CHIP THICK 75-J,1/16W-1608REEL		C20007506M160S	3	
R5718	nsp	R.CARBON FILM 100-J,1/5W-52RE-AX		C00001016P520S	1	
R5719	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R5720	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL		C20003336M160S	1	
R5736	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL		C20004736M160S	1	
R5737	nsp	R.CHIP THICK 18K-J,1/16W-1608REEL		C20001836M160S	1	
R5740	nsp	R.CHIP THICK 47-J,1/16W-1608REEL		C20004706M160S	1	
CAPACITORS GROUP						
C4200,4201	nsp	C.CERAMIC CHIP TC COG330PF-J/50V-1608REEL		D010331167160S	2	
C4202,4203	00D9630224503	C.ELECT GE 85C 22UF-M/50V,5*11-5RESMS SY		D040220087060S	2	
C4207	nsp	C.CERAMIC CHIP TC X7R)001UF-K/50V-1608REEL		D010103777160S	1	
C4220	00D9630244606	C.ELECT GE 85C 01UF-M/50V,5*11-5RESMS SY (Pb Free)		D040R10087080S	1	
C4221,4222	00D9630224503	C.ELECT GE 85C 22UF-M/50V,5*11-5RESMS SY		D040220087060S	2	
C4247	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	1	
C4248-4250	00D9630244606	C.ELECT GE 85C 01UF-M/50V,5*11-5RESMS SY (Pb Free)		D040R10087080S	3	
C5008-5010	nsp	C.CERAMIC CHIP TC COG68PF-J/50V-1608REEL		D010680167160S	3	
C5011	00D9630293709	C.ELECT GE 85C 100UF-M/10V,5*11-5RESMS SY		D040101082070S	1	
C5012	nsp	C.CERAMIC CHIP TC COG68PF-J/50V-1608REEL		D010680167160S	1	
C5013,5014	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	2	
C5015,5016	nsp	C.CERAMIC CHIP TC COG68PF-J/50V-1608REEL		D010680167160S	2	
C5017,5018	00D9630293602	C.ELECT GE 85C 1UF-M/50V,5*11-5RESMS SY (Pb Free)		D040010087150S	2	
C5019,5020	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	2	
C5021	00D9630293602	C.ELECT GE 85C 1UF-M/50V,5*11-5RESMS SY (Pb Free)		D040010087150S	1	
C5022	00D9630293709	C.ELECT GE 85C 100UF-M/10V,5*11-5RESMS SY		D040101082070S	1	
C5023-5025	00D9630293602	C.ELECT GE 85C 1UF-M/50V,5*11-5RESMS SY (Pb Free)		D040010087150S	3	
C5026-5028	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RESMS SY		D040100087070S	3	
C5029	00D2544574922	C.ELECT GE 85C 100UF-M/50V,8*115-5RESMS SY		D040101087060S	1	
C5030	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C5031	00D2544574922	C.ELECT GE 85C 100UF-M/50V,8*115-5RESMS SY		D040101087060S	1	
C5032	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	1	
C5048	963134502400S	C.FILM POLYESTER MI-0.1UF-J/50V-5RE		D020104167050S	1	
C5051	963134502400S	C.FILM POLYESTER MI-0.1UF-J/50V-5RE		D020104167050S	1	
C5663	nsp	C.CERAMIC CHIP HIK X7R)47UF-K/63V-1608REEL		D011475571160S	1	
C5678,5679	nsp	C.CERAMIC CHIP HIK X7R)01UF-K/50V-1608REEL		D011104577160S	2	
OTHER PARTS GROUP						
CLAMP300-302	nsp	CLAMP HMX9800(ON)(HAITAI) (W=2.6L=50)/WIRE(SOLDER)		4330000120000S	3	
CN4002	nsp	CN.WAFER 1.25B-2-15Y 15P BtoB SOCKET(FEMALE) P=1.25MM		L109125421510S	1	*
CN4003	nsp	CN.WAFER 1.25B-2-21Y 21P BtoB SOCKET(FEMALE) P=1.25MM		L109125422110S	1	*
CN5000	nsp	CN.WAFER 125B-2-11Y 11P BtoB SOCKET(FEMALE) P=125MM		L109125421110S	1	*
CN5001	nsp	CN.WAFER 125B-2-13Y 13P BtoB SOCKET(FEMALE) P=125MM		L109125421310S	1	*
CN5003	nsp	CN.WAFER 125B-2-17Y 17P BtoB SOCKET(FEMALE) P=125MM		L109125421710S	1	*
CN5004	nsp	CN.WAFER 125B-2-7Y 7P BtoB SOCKET(FEMALE) P=125MM		L109125420710S	1	*
CP3401	nsp	CN.WAFER 1.25B-2-11A 11P BtoB HEADER(MALE) P=1.25MM		L109125321110S	1	*
CP3403	nsp	CN.WAFER 1.25B-2-21A 21P BtoB HEADER(MALE) P=1.25MM		L109125322110S	1	*

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
CP3404	nsp	CN,WAFFER 1.25B-2-17A 17P BtoB HEADER(MALE) P=1.25MM		L109125321710S	1	*	
CP4605	nsp	CN,WAFFER 1.25B-2-17A 17P BtoB HEADER(MALE) P=1.25MM		L109125321710S	1	*	
CP5000	nsp	CN,WAFFER 1.25B-2-11A 11P BtoB HEADER(MALE) P=1.25MM		L109125321110S	1	*	
CP5001	nsp	CN,WAFFER 1.25B-2-13A 13P BtoB HEADER(MALE) P=1.25MM		L109125321310S	1	*	
CP5003	nsp	CN,WAFFER 2.5MM YMAW025-08R DIP RA		L102025080010S	1		
CP5004	nsp	CN,WAFFER 1.25B-2-7A 7P BtoB HEADER(MALE) P=1.25MM		L109125320710S	1	*	
BKT5001,5002	nsp	BRACKET AVR133(HARMAN) BURRING HOLE SPT 0.8/SCREW		4010210196100S	2		
! F5005	963652500120S	FUSE GLASS TUBE 20MM T1.25A/250V-IVBSUCPCcUR S506		N751501251160S	1		
F5005A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
F5005B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
! F5006	963652010500S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506		N751501601160S	1		
F5006A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
F5006B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
! F5007	963652010500S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506		N751501601160S	1		
F5007A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
F5007B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
! F5008	963652010500S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506		N751501601160S	1		
F5008A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
F5008B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
! F5009	963652010500S	FUSE GLASS TUBE 20MM T1.6A/250V-IVBSUCPCcUR S506		N751501601160S	1		
F5009A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
F5009B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1		
JACK5000	963643101850S	TER,RCA 6PIN RCA-603B-95(G,B,R/Y,Y,Y)		G603603B9500YS	1		
JACK5001	00D9630146306	TER,RCA 6PIN RCA-603B-26(GN,BL,RD,GN,BL,RD)		G603603B2600YS	1		
JACK5002	90M-YT004640R	TER,RCA 2PIN RCA-207AE-02 NI(WH,RD)		G601207AE020YS	1		
JACK5005	90M-YT004540R	TER,RCA 2PIN RCA-207AE-07(OR,OR)		G601207AE070YS	1		

INPUT PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied.

※The parts listed t NOTE: The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
IC4200	96323900650S	IC,ELECT VR R2A15218FP-U00R 8CH-VOL WITH 11 INPUT QFP100P		J084152180010S	1	
IC5201	963232100400S	IC.LINEAR OP UTC4580E SOP8 DUAL OP AMP		J121458001010S	1	
IC5202	00D2631193902	IC,ELECT VR BD3812F-E2 2CH-VOL SOP14P		J084381200010S	1	
U1047	963232100390S	IC.LINEAR OP NJM8080G SOP8 DUAL OP AMP		J121808000010S	1	
U1049	963232100390S	IC.LINEAR OP NJM8080G SOP8 DUAL OP AMP		J121808000010S	1	
U1051	963232100390S	IC.LINEAR OP NJM8080G SOP8 DUAL OP AMP		J121808000010S	1	
U1053	963232100390S	IC.LINEAR OP NJM8080G SOP8 DUAL OP AMP		J121808000010S	1	
RESISTOR GROUP						
R1999	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2000	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2001	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R2002	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2003	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2005,2006	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	2	
R2009	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	1	
R2010	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2011	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2012	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R2013	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2014	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2015	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	1	
R2017	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2018	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2019	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R2021	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2022	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2024,2025	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	2	
R2030	nsp	R.CHIP THICK 300K-J,1/16W-1608REEL		C20003046M160S	1	
R2031	nsp	R.CHIP THICK 24K-J,1/16W-1608REEL		C20002436M160S	1	
R2034	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2035	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2036	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R2038	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2039	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2040	nsp	R.CHIP THICK 24K-J,1/16W-1608REEL		C20002436M160S	1	
R2041	nsp	R.CHIP THICK 300K-J,1/16W-1608REEL		C20003046M160S	1	
R2044	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2045	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2046	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R2047	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2048	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2051,2052	nsp	R.CHIP THICK 16K-J,1/16W-1608REEL		C20001636M160S	2	
R2056	nsp	R.CHIP THICK 16K-J,1/16W-1608REEL		C20001636M160S	1	
R2058	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2059	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2060	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R2062	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2063	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2064	nsp	R.CHIP THICK 16K-J,1/16W-1608REEL		C20001636M160S	1	
R2069	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2070	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2071	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R2072	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2073	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2076,2077	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	2	
R2081	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	1	
R2082	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2083	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2084	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R2085	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R2086	nsp	R.CHIP THICK 820-J,1/16W-1608REEL		C20008216M160S	1	
R2087	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	1	
R4205-4211	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	7	
R4216-4221	nsp	R.CHIP THICK 820K-J,1/16W-1608REEL		C20008246M160S	6	
R4244,4245	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	2	
R4248	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4249-4254	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	6	
R4257	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4259-4262	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	4	
R4263-4270	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	8	
R4288-4290	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	3	
R4292-4294	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	3	
R4326	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4370-4376	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	7	
R4550	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	1	
R4551,4552	nsp	R.CHIP THICK 820K-J,1/16W-1608REEL		C20008246M160S	2	
R5300	nsp	R.CHIP THICK 47-J,1/16W-1608REEL		C20004706M160S	1	
R5304	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL		C20004736M160S	1	
R5310	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL		C20004736M160S	1	
R5311	nsp	R.CHIP THICK 47-J,1/16W-1608REEL		C20004706M160S	1	
R5312	nsp	R.CHIP THICK 47K-J,1/16W-1608REEL		C20004726M160S	1	
R5313,5314	nsp	R.CHIP THICK 33-J,1/16W-1608REEL		C20003306M160S	2	
R5323	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R5326	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R5331	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R5336	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	1	
R5337,5338	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	2	
R5340,5341	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	2	
R5342	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	1	
R5343	nsp	R.CHIP THICK 2.2K-J,1/16W-1608REEL		C20002226M160S	1	
R5344	nsp	R.CHIP THICK 11K-J,1/16W-1608REEL		C20001136M160S	1	
R5345	nsp	R.CHIP THICK 2.2K-J,1/16W-1608REEL		C20002226M160S	1	
CAPACITORS GROUP						
C2137	00D2570505910	C.CERAMIC CHIP T.C CH)1500PF-J/50V-1608REEL GRM1882C1H152JA01D		D010152167165S	1	

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
C2139,2140	00D2570507976	C,CERAMIC CHIP T.C CH)330PF-J/50V-1608REEL GRM1882C1H331JA01D		D010331167165S	2		
C2141	00D9630333203	C,ELECT GE 85C 100UF-M/16V,5*11-5RE,SHL SY		D040101083090S	1		
C2142	00D2570507976	C,CERAMIC CHIP T.C CH)330PF-J/50V-1608REEL GRM1882C1H331JA01D		D010331167165S	1		
C2145	00D9630333203	C,ELECT GE 85C 100UF-M/16V,5*11-5RE,SHL SY		D040101083090S	1		
C2146	00D2570505910	C,CERAMIC CHIP T.C CH)1500PF-J/50V-1608REEL GRM1882C1H152JA01D		D010152167165S	1		
C2148	00D2570507976	C,CERAMIC CHIP T.C CH)330PF-J/50V-1608REEL GRM1882C1H331JA01D		D010331167165S	1		
C2151	00D2570505910	C,CERAMIC CHIP T.C CH)1500PF-J/50V-1608REEL GRM1882C1H152JA01D		D010152167165S	1		
C2152,2153	00D2570507976	C,CERAMIC CHIP T.C CH)330PF-J/50V-1608REEL GRM1882C1H331JA01D		D010331167165S	2		
C2155	00D2570507976	C,CERAMIC CHIP T.C CH)330PF-J/50V-1608REEL GRM1882C1H331JA01D		D010331167165S	1		
C2157	00D2570505910	C,CERAMIC CHIP T.C CH)1500PF-J/50V-1608REEL GRM1882C1H152JA01D		D010152167165S	1		
C2158	00D2570507976	C,CERAMIC CHIP T.C CH)330PF-J/50V-1608REEL GRM1882C1H331JA01D		D010331167165S	1		
C2162	00D2570505910	C,CERAMIC CHIP T.C CH)1500PF-J/50V-1608REEL GRM1882C1H152JA01D		D010152167165S	1		
C2166,2167	00D2570507947	C,CERAMIC CHIP T.C CH)240PF-J/50V-1608REEL GRM1882C1H241JA01D		D010241167165S	2		
C2170	00D2570507947	C,CERAMIC CHIP T.C CH)240PF-J/50V-1608REEL GRM1882C1H241JA01D		D010241167165S	1		
C2171	00D2570505910	C,CERAMIC CHIP T.C CH)1500PF-J/50V-1608REEL GRM1882C1H152JA01D		D010152167165S	1		
C2173	00D2570507947	C,CERAMIC CHIP T.C CH)240PF-J/50V-1608REEL GRM1882C1H241JA01D		D010241167165S	1		
C2180	00D2570505910	C,CERAMIC CHIP T.C CH)1500PF-J/50V-1608REEL GRM1882C1H152JA01D		D010152167165S	1		
C2182-2184	00D2570507976	C,CERAMIC CHIP T.C CH)330PF-J/50V-1608REEL GRM1882C1H331JA01D		D010331167165S	3		
C2185	00D2570505910	C,CERAMIC CHIP T.C CH)1500PF-J/50V-1608REEL GRM1882C1H152JA01D		D010152167165S	1		
C2186	00D2570507976	C,CERAMIC CHIP T.C CH)330PF-J/50V-1608REEL GRM1882C1H331JA01D		D010331167165S	1		
C4204	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL		D010331167160S	1		
C4209-4211	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL		D010331167160S	3		
C4225-4228	00D2544573981	C,ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY		D040100087070S	4		
C4229-4231	963134502430S	C,ELECT GE 85C 47UF-M/63V,6.3*11-5RE RA3-63V470MF3#8P-T2		D040470088210S	3		
C4232-4236	13405013240AS	C,ELECT GE 85C 47UF-M/25V,5*11 KR3-025V470MC110-T/A5.0S KOSHIN		D040470084550S	5		
C4237-4239	963134503020S	C,ELECT GE 85C 47UF-M/50V,6.3*11 KR3-050V470ME110-T/A5.0S KOSHIN		D040470087550S	3	*	
C4240-4244	13405013240AS	C,ELECT GE 85C 47UF-M/25V,5*11 KR3-025V470MC110-T/A5.0S KOSHIN		D040470084550S	5		
C4245,4246	963134501890S	C,ELECT GE 85C 220UF-M/16V,8*11.5-5RE,SMS-SY		D040221083090S	2		
C4247,4248	00D2544573981	C,ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY		D040100087070S	2		
C4550-4553	nsp	C,CERAMIC CHIP T.C COG330PF-J/50V-1608REEL		D010331167160S	4		
C4554	nsp	R,CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1		
C5251	00D2544573981	C,ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY		D040100087070S	1		
C5255	00D2544573981	C,ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY		D040100087070S	1		
C5257	00D9630223902	C,CERAMIC CHIP T.C COG39PF-J/50V-1608REEL		D010390167160S	1		
C5258	00D9630224503	C,ELECT GE 85C 22UF-M/50V,5*11-5RE,SMS SY		D040220087060S	1		
C5262,5263	00D2544573981	C,ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY		D040100087070S	2		
C5265,5266	00D2544573981	C,ELECT GE 85C 10UF-M/50V,5*11-5RE,SMS SY		D040100087070S	2		
C5267	00D9630224503	C,ELECT GE 85C 22UF-M/50V,5*11-5RE,SMS SY		D040220087060S	1		
C5269,5270	nsp	C,CERAMIC CHIP T.C X7R)0.01UF-K/50V-1608REEL		D010103777160S	2		
C5271-5273	nsp	C,CERAMIC CHIP T.C COG100PF-J/50V-1608REEL		D010101167160S	3		
C5275	00D9630223902	C,CERAMIC CHIP T.C COG39PF-J/50V-1608REEL		D010390167160S	1		
OTHER PARTS GROUP							
CLAMP701,702	nsp	CLAMP HMX9800(ON)(HAITAI) (W=2.6,L=50)/WIRE(SOLDER)		4330000120000S	2		
CN4006	nsp	CN.WAFER 1.25B-2-11Y 11P BtoB SOCKET(FEMALE) P=1.25MM		L109125421110S	1		
CN4205	nsp	CN.WAFER 1.25B-2-15Y 15P BtoB SOCKET(FEMALE) P=1.25MM		L109125421510S	1		
CN4701	nsp	CN.WAFER 1.25B-2-11Y 11P BtoB SOCKET(FEMALE) P=1.25MM		L109125421110S	1		
CN4703	nsp	CN.WAFER 1.25B-2-9Y 9P BtoB SOCKET(FEMALE) P=1.25MM		L109125420910S	1		
CP4200,4201	nsp	CN.WAFER 1.25B-2-23A 23P BtoB HEADER(MALE) P=1.25MM		L109125322310S	2		
CP4202	nsp	CN.WAFER 1.25B-2-15A 15P BtoB HEADER(MALE) P=1.25MM		L109125321510S	1		
CP4203	nsp	CN.WAFER 1.25B-2-7A 7P BtoB HEADER(MALE) P=1.25MM		L109125320710S	1		
CP4204	nsp	CN.WAFER 1.25B-2-17A 17P BtoB HEADER(MALE) P=1.25MM		L109125321710S	1		
CP4205	nsp	CN.WAFER 1.25B-2-15A 15P BtoB HEADER(MALE) P=1.25MM		L109125321510S	1		
JACK4201,4202	00D9630132103	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU		G602405B0400YS	2		

SMPS PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied.

※The parts listed t NOTE: The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D4140-4148	963201500160D	D.SWITCHING 1N4007 52REEL 1000V 1A		K000400700220S	9	
D4149	963204500210D	D.SCHOTTKY S30SC6MT 60V 30A TO-3P(MTO-3PT) SHINDENGEN		K120300600010S	1	
D4150	00D276040190S	D.SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	1	
! IC4140	231010091708S	IC.LINEAR POWER TOP258MG SDIP10 OFF-LINE POWER SUPPLY IC		J122258001010S	1	
! IC4142	00D2623047008	PHOTO.COUPLER PC123X2YFZ (DIP4P SHARP)		K614123000010S	1	
IC4143	212050010508S	IC.LINEAR-REGULATOR KIA2431AP,0.7W TO-92		J126243118010S	1	
ZD4147	963202500370D	D.ZENER ZJ39B-0.5W/5MA-52MM SEMTECH	U	K06039R044522S	1	
ZD4148	963202500370D	D.ZENER ZJ39B-0.5W/5MA-52MM SEMTECH	U	K06039R044522S	1	
ZD4149	963202500370D	D.ZENER ZJ39B-0.5W/5MA-52MM SEMTECH	U	K06039R044522S	1	
ZD4150-4157	963202500350D	D.ZENER ZJ22B-0.5W/5MA-52MM SEMTECH		K06022R044522S	8	
ZD4158	963202500370D	D.ZENER ZJ39B-0.5W/5MA-52MM SEMTECH		K06039R044522S	1	
ZD4159	963202500320D	D.ZENER ZJ5.6B-0.5W/5MA-52MM SEMTECH		K06005R644522S	1	
ZD4160	963202500320D	D.ZENER ZJ5.6B-0.5W/5MA-52MM SEMTECH	U	K06005R644522S	1	
ZD4160	963202500400S	D.ZENER ZJ16B-0.5W/5MA-52MM SEMTECH	N, K	K06016R044522S	1	
RESISTOR GROUP						
R4141,4142	nsp	R.CARBON FILM 1M-J,1/5W-52RE-AX		C00001056P520S	2	
R4143	nsp	R.CARBON FILM 330K-J,1/5W-52RE-AX		C00003346P520S	1	
R4145	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL		C20001056M160S	1	
R4147	nsp	R.CHIP THICK 270K-J,1/16W-1608REEL	U	C20002746M160S	1	
R4147	nsp	R.CHIP THICK 56K-J,1/16W-1608REEL	N, K	C20005636M160S	1	
R4148	nsp	R.CARBON FILM 2.2M-J,1/5W-52RE-AX	U	C00002256P520S	1	
R4149	nsp	R.CARBON FILM 2.2M-J,1/5W-52RE-AX	U	C00002256P520S	1	
R4150	nsp	R.CARBON FILM 1M-J,1/5W-52RE-AX	U	C00001056P520S	1	
R4151	nsp	R.CHIP THICK 15K-J,1/16W-1608REEL		C20001536M160S	1	
R4152	nsp	R.CHIP THICK 1K-J,1/16W-1608REEL		C20001026M160S	1	
R4153	nsp	R.CARBON FILM 6.8K-J,1/5W-52RE-AX		C0006R806P520S	1	
R4154	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001006M160S	1	
R4155	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R4156	nsp	R.CHIP THICK 4.7K-J,1/16W-1608REEL		C20004726M160S	1	
R4157	nsp	R.CARBON FILM 56K-J,1/5W-52RE-AX		C00005606P520S	1	
R4158	nsp	R.CARBON FILM 3.3K-J,1/5W-52RE-AX		C00003326P520S	1	
R4159	nsp	R.CARBON FILM 5.6K-J,1/5W-52RE-AX		C00005626P520S	1	
R4160	nsp	R.CHIP THICK 22K-F,1/16W-1608REEL		C20002234M161S	1	
R4161	00D2472041967	R.CHIP THICK 6.8K-D,1/16W-1608REEL		C20006821M160S	1	
R4164	nsp	R.CARBON FILM 1M-J,1/5W-52RE-AX		C00001056P520S	1	
CAPACITORS GROUP						
! C4140,4141	963134011730S	C.CERAMIC AC(SAFETY) DE1B3KX471KB4BL01 AC250V BULK MURATA		D00847127H010S	2	
! C4142	963132011940S	C.CERAMIC AC(SAFETY) DE2F3KY103MB3BM02 AC250V BULK MURATA		D008103589010S	1	
! C4143	nsp	C.FILM P.PROPYLENE 0.1UF-K/275V BULK X2 MPX104K3ID2 P=15MM CARLI		D02110407H010S	1	
C4145-4147	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	3	
! C4148	963132011940S	C.CERAMIC AC(SAFETY)	N, K	D008103589010S	1	
! C4149	963132011940S	C.CERAMIC AC(SAFETY)	N, K	D008103589010S	1	
C4150	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
C4151	943134501590S	C.ELECT GE 105C 100UF-M/200V,16*20 BULK NHA SY	U	D04110108G000S	1	
C4151	963134010200S	100/400	N, K	D04110108K000S	1	
C4152	963134010210S	C.ELECT GE 105C 47UF-M/25V,5*11-5RE NXA SY		D041470084050S	1	
C4153	963132010120S	C.CERAMIC AC(SAFETY) DEHR33A102KB2B		D00810207Q010S	1	
C4154	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
C4155	963134010190S	C.ELECT GE 105C 10UF-M/50V,5*11-5RE NXA SY		D041100087050S	1	
! C4156	963132011930S	C.CERAMIC AC(SAFETY) DE1E3KX222MB4BL01 AC250V BULK MURATA		D00822248H010S	1	
C4159	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
C4160	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1	
C4161	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D011475571160S	1	
C4162	963134010220S	C.ELECT GE 105C 5600UF-M/6.3V,12.5*35 NXA SY		D041562081001S	1	
C4163	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1	
C4164,4165	963134010220S	C.ELECT GE 105C 5600UF-M/6.3V,12.5*35 NXA SY		D041562081001S	2	
C4166	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL		D011104577160S	1	
C4167,4168	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	2	
OTHER PARTS GROUP						
CN4141	nsp	CN.WIRE 150MM/5P SMH250-05=CKM2509HV-05 WH1007#22		L000151050220S	1	
! CP4142	nsp	CN.WAFER 7.92MM LWB1143-02P 7.92MM HEADER.VER.2CKT		L108011430210S	1	
BKT4141	nsp	BRACKET AVR133(HARMAN) BURNING HOLE SPTE 0.8V/SCREW		4010210196100S	1	
BKT4143	nsp	BRACKET AVR3300(E3)(DENON) SPTE 0.8V/SCREW		4010210196000S	1	
BKT4144	nsp	SHIELD AVRE400BKE3(DENON) SPTE 0.3T /CASE		3070210596100S	1	
! F4140	963652010510S	FUSE GLASS TUBE 20MM T2A/250V-IVBSUCPCcUR S506	U	N751502001160S	1	
! F4140	963652010500S	T1.6A/250V-IVBSUCPCcUR S506	N, K	N751501601160S	1	*
! F4141	963652010520S	FUSE GLASS TUBE 20MM T6.3A/250V-IVBSUCPCcUR S506	U	N751506301160S	1	
! F4141	963652010910S	T3.15A/250V-IVBSUCPCcUR S506	N, K	N751503151160S	1	*
FC4140A	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1	
FC4140B,4141	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	2	
FC4141B	nsp	HOLDER,FUSE CLIP PI5.2-REEL		G645000050010S	1	
! JK4140	963641011240S	SOCKET,POWER AC AC0152PPA66 AC INLET 2P REV1.0 CCC		G4300152P0001S	1	
! L4140	963111100420D	COIL,LINE FILTER SQ2014 27mH VERTICAL TYPE LINE FILTER	U	D320201405510S	1	
L4140	963111100470S	SQ2014 50mH VERTICAL TYPE LINE FILTER	N, K	D320201405000S	1	*
! RLY4140	963682100290D	RELAY JZC-36FD/005-HLT 23.8*9.5*24.5mm		G680060103030S	1	
! T4140	963102100360S	TRANS,SWITCHING EER2834 SW TRANSFORMER GAP BONDING		E060283405530S	1	
TR4140	963222500150D	SEMI,FET CHIP KMB2D0N60SA N-CH MOSFET 60V SOT23		J543206005510S	1	
TR4142	963213500170D	SEMI,TR/GE NPN 2SC KTC3198G,0.6W/TO92-REEL		J5023198G0000S	1	

7CH_AMP PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied.

※The parts listed t NOTE: The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D401,402	00D2760401905	D,SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	2	
D405-408	00D2760401905	D,SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	4	
D411-414	00D2760401905	D,SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	4	
D417-420	00D2760401905	D,SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	4	
D423-426	00D2760401905	D,SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	4	
D429-432	00D2760401905	D,SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	4	
D435-438	00D2760401905	D,SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	4	
D441,442	00D2760401905	D,SWITCHING 1SS133-DO34-AXIAL LRC		K000013300040S	2	
D458	nsp	R,CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	1	
Q401,402	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL		J5001024Y0050S	2	
Q403	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL		J520254010010S	1	
Q405	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL		J520254010010S	1	
Q406	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL		J522255510010S	1	
Q407,408	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J		J520040600210S	2	
Q411,412	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL		J5023206Y0050S	2	
Q413,414	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL		J5001024Y0050S	2	
Q415	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL		J520254010010S	1	
Q418	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL		J522255510010S	1	
Q419,420	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J		J520040600210S	2	
Q423,424	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL		J5023206Y0050S	2	
Q425,426	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL		J5001024Y0050S	2	
Q427	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL		J520254010010S	1	
Q429	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J		J520040600210S	1	
Q430	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL		J522255510010S	1	
Q431,432	21785000550AS	SEMI,CHIP TR/PNP 2SA HN4A06J		J520040600210S	2	
Q435,436	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL		J5023206Y0050S	2	
Q437,438	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL		J5001024Y0050S	2	
Q439	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL		J520254010010S	1	
Q442	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL		J522255510010S	1	
Q447,448	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL		J5023206Y0050S	2	
Q449,450	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL		J5001024Y0050S	2	
Q451	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL		J520254010010S	1	
Q454	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL		J522255510010S	1	
Q459,460	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL		J5023206Y0050S	2	
Q461,462	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL		J5001024Y0050S	2	
Q463	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL		J520254010010S	1	
Q466	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL		J522255510010S	1	
Q471,472	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL		J5023206Y0050S	2	
Q473,474	00D2710314903	SEMI,TR/GE PNP 2SA KTA1024Y,1W/TO92L-REEL		J5001024Y0050S	2	
Q475	00D2710318909	SEMI,CHIP TR/PNP 2SA 2N5401S 0.35W/SOT-23 REEL		J520254010010S	1	
Q478	00D2730479909	SEMI,CHIP TR/NPN 2SC 2N5551S 0.35W/SOT-23 REEL		J522255510010S	1	
Q483,484	00D2730471907	SEMI,TR/GE NPN 2SC KTC3206Y,1W/TO92L-REEL		J5023206Y0050S	2	
ZD401	963202500300D	D,ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH		K06005R134522S	1	
ZD404	963202500300D	D,ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH		K06005R134522S	1	
ZD407	963202500300D	D,ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH		K06005R134522S	1	
ZD410	963202500300D	D,ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH		K06005R134522S	1	
ZD413	963202500300D	D,ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH		K06005R134522S	1	
ZD416	963202500300D	D,ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH		K06005R134522S	1	
ZD419	963202500300D	D,ZENER ZJ5.1A-0.5W/5MA-52MM SEMTECH		K06005R134522S	1	
RESISTOR GROUP						
R401	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R402	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX		C00001046P520S	1	
R403	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	
R405	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	
R406	963252100150S	POSISTOR DHPHF1608 471P 115T SMD PTC THERMISTOR		F320471001150S	1	
R407	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R409	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX		C00001546P520S	1	
R410	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R411	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX		C00006846P520S	1	
R412	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX		C00001536P520S	1	
R413,414	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX		C00001036P520S	2	
R415	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL		C060022065050S	1	
R416	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX		C00002236P520S	1	
R417	nsp	R,CHIP THICK 180K-J,1/16W-1608REEL		C20001846M160S	1	
R418	963125010690S	R,METAL FILM 100PPM 15K-J,2W-R.REEL		C060015366050S	1	
R419	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX		C00002236P520S	1	
R420	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX		C00002246P520S	1	
R421	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX		C00002236P520S	1	
R422	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX		C00004716P520S	1	
R423	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R424,425	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL		N113136647820S	2	
R426	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	1	
R427	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R428	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R429	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX		C00003336P520S	1	
R430,431	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL		N113136647820S	2	
R432	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX		C00002726P520S	1	
R433	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX		C00002246P520S	1	
R434	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL		C060033265050S	1	
R435	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX		C00005616P520S	1	
R436	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX		C00004746P520S	1	
R437	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX		C00003336P520S	1	
R438	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX		C00002216P520S	1	
R439	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL		C060022065050S	1	
R440	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX		C00004716P520S	1	
R441,442	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL		C060010265050S	2	
R443	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	
R444	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R446	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX		C00001046P520S	1	
R447,448	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	2	
R450	963252100150S	POSISTOR DHPHF1608 471P 115T SMD PTC THERMISTOR		F320471001150S	1	
R452	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX		C00001546P520S	1	
R453	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R454	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX		C00006846P520S	1	

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R455	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX		C00001536P520S	1	
R456,457	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX		C00001036P520S	2	
R458	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL		C060022065050S	1	
R459	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX		C00002236P520S	1	
R460	nsp	R,CHIP THICK 180K-J,1/16W-1608REEL		C20001846M160S	1	
R461	963125010690S	R,METAL FILM 100PPM 15K-J,2W-R.REEL		C060015366050S	1	
R462	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX		C00002236P520S	1	
R463	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX		C00002246P520S	1	
R464	252310006544S	POSISTOR PTC PRF18BF471QB5RB SMD1608 75T		F320184710060S	1	
R465	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX		C00004716P520S	1	
R466	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R467,468	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL		N113136647820S	2	
R469	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	1	
R471	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R472	nsp	CN,WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R473	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX		C00003336P520S	1	
R474,475	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL		N113136647820S	2	
R476	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX		C00002726P520S	1	
R477	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX		C00002246P520S	1	
R478	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL		C060033265050S	1	
R479	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX		C00005616P520S	1	
R480	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX		C00004746P520S	1	
R481	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX		C00003336P520S	1	
R482	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX		C00002216P520S	1	
R483	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL		C060022065050S	1	
R484	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX		C00004716P520S	1	
R485,486	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL		C060010265050S	2	
R487	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	
R488	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R490	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX		C00001046P520S	1	
R491,492	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	2	
R494	963252100150S	POSISTOR DHP1608 471P 115T SMD PTC THERMISTOR		F320471001150S	1	
R496	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX		C00001546P520S	1	
R497	nsp	CN,WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R498	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX		C00006846P520S	1	
R499	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX		C00001536P520S	1	
R500,501	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	2	
R502	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL		C060022065050S	1	
R503	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX		C00002236P520S	1	
R504	nsp	R,CHIP THICK 180K-J,1/16W-1608REEL		C20001846M160S	1	
R505	963125010690S	R,METAL FILM 100PPM 15K-J,2W-R.REEL		C060015366050S	1	
R506	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX		C00002236P520S	1	
R507	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX		C00002246P520S	1	
R509	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX		C00004716P520S	1	
R510	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R511,512	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL		N113136647820S	2	
R513	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	1	
R514	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R515	nsp	CN,WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R516	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX		C00003336P520S	1	
R517,518	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL		N113136647820S	2	
R519	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX		C00002726P520S	1	
R520	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX		C00002246P520S	1	
R521	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL		C060033265050S	1	
R522	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX		C00005616P520S	1	
R523	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX		C00004746P520S	1	
R524	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX		C00003336P520S	1	
R525	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX		C00002216P520S	1	
R526	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL		C060022065050S	1	
R527	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX		C00004716P520S	1	
R528,529	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL		C060010265050S	2	
R530	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	
R531	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R532	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX		C00001046P520S	1	
R533	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	
R535	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	
R536	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R537	963252100150S	POSISTOR DHP1608 471P 115T SMD PTC THERMISTOR		F320471001150S	1	
R539	nsp	R,CARBON FILM 150K-J,1/5W-52RE-AX		C00001546P520S	1	
R540	nsp	CN,WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R541	nsp	R,CARBON FILM 680K-J,1/5W-52RE-AX		C00006846P520S	1	
R542	nsp	R,CARBON FILM 15K-J,1/5W-52RE-AX		C00001536P520S	1	
R543,544	nsp	R,CARBON FILM 10K-J,1/5W-52RE-AX		C00001036P520S	2	
R545	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL		C060022065050S	1	
R546	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX		C00002236P520S	1	
R547	nsp	R,CHIP THICK 180K-J,1/16W-1608REEL		C20001846M160S	1	
R548	963125010690S	R,METAL FILM 100PPM 15K-J,2W-R.REEL		C060015366050S	1	
R549	nsp	R,CARBON FILM 22K-J,1/5W-52RE-AX		C00002236P520S	1	
R550	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX		C00002246P520S	1	
R552	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX		C00004716P520S	1	
R553	nsp	R,CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R554,555	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL		N113136647820S	2	
R556	nsp	R,CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	1	
R557	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R558	nsp	CN,WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R559	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX		C00003336P520S	1	
R560	nsp	R,CARBON FILM 2.7K-J,1/5W-52RE-AX		C00002726P520S	1	
R561,562	00D9630345903	R,FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL		N113136647820S	2	
R563	nsp	R,CARBON FILM 220K-J,1/5W-52RE-AX		C00002246P520S	1	
R564	nsp	R,METAL FILM 100PPM 3.3K-J,1W-R.REEL		C060033265050S	1	
R565	nsp	R,CARBON FILM 560-J,1/5W-52RE-AX		C00005616P520S	1	
R566	nsp	R,CARBON FILM 470K-J,1/5W-52RE-AX		C00004746P520S	1	
R567	nsp	R,CARBON FILM 33K-J,1/5W-52RE-AX		C00003336P520S	1	
R568	nsp	R,CARBON FILM 220-J,1/5W-52RE-AX		C00002216P520S	1	
R569	963125012630S	R,METAL FILM 100PPM 22-J,1W-5REEL		C060022065050S	1	
R570	nsp	R,CARBON FILM 470-J,1/5W-52RE-AX		C00004716P520S	1	
R571,572	nsp	R,METAL FILM 100PPM 1K-J,1W-R.REEL		C060010265050S	2	
R573	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	
R574	nsp	R,CARBON FILM 1.2K-J,1/5W-52RE-AX		C00001226P520S	1	
R575	nsp	R,CARBON FILM 100K-J,1/5W-52RE-AX		C00001046P520S	1	
R576	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	
R578	nsp	R,METAL FILM 100PPM 270-J,1W-R.REEL		C060027165060S	1	

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R580	963252100150S	POSISTOR DHPTHF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R582	nsp	R.CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		
R583	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R584	nsp	R.CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R585	nsp	R.CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R586,587	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	2		
R588	963125012630S	R.METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R589	nsp	R.CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R590	nsp	R.CHIP THICK 180K-J,1/16W-1608REEL	C20001846M160S	1		
R591	963125010690S	R.METAL FILM 100PPM 15K-J,2W-R.REEL	C060015366050S	1		
R592	nsp	R.CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R593	nsp	R.CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R595	nsp	R.CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R596	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R597,598	00D9630345903	R.FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	2		
R599	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R600	nsp	R.CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R601	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R602	nsp	R.CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R603,604	00D9630345903	R.FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	2		
R605	nsp	R.CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R606	nsp	R.CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R607	nsp	R.METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R608	nsp	R.CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R609	nsp	R.CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R610	nsp	R.CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R611	nsp	R.CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R612	963125012630S	R.METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R613	nsp	R.CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R614,615	nsp	R.METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	2		
R616	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R617	nsp	R.CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R618	nsp	R.CARBON FILM 100K-J,1/5W-52RE-AX	C00001046P520S	1		
R619	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R621	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R623	963252100150S	POSISTOR DHPTHF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R625	nsp	R.CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		
R626	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R627	nsp	R.CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R628	nsp	R.CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R629,630	nsp	R.CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	2		
R631	963125012630S	R.METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R632	nsp	R.CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R633	nsp	R.CHIP THICK 180K-J,1/16W-1608REEL	C20001846M160S	1		
R634	963125010690S	R.METAL FILM 100PPM 15K-J,2W-R.REEL	C060015366050S	1		
R635	nsp	R.CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R636	nsp	R.CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R638	nsp	R.CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R639	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R640,641	00D9630345903	R.FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	2		
R642	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R643	nsp	R.CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R644	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R645	nsp	R.CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R646,647	00D9630345903	R.FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	2		
R648	nsp	R.CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R649	nsp	R.CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R650	nsp	R.METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R651	nsp	R.CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R652	nsp	R.CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R653	nsp	R.CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R654	nsp	R.CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R655	963125012630S	R.METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R656	nsp	R.CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R657,658	nsp	R.METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	2		
R659	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R660	nsp	R.CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R661	nsp	R.CARBON FILM 100K-J,1/5W-52RE-AX	C00001046P520S	1		
R662	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R664	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R666	963252100150S	POSISTOR DHPTHF1608 471P 115T SMD PTC THERMISTOR	F320471001150S	1		
R668	nsp	R.CARBON FILM 150K-J,1/5W-52RE-AX	C00001546P520S	1		
R669	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R670	nsp	R.CARBON FILM 680K-J,1/5W-52RE-AX	C00006846P520S	1		
R671	nsp	R.CARBON FILM 15K-J,1/5W-52RE-AX	C00001536P520S	1		
R672,673	nsp	R.CARBON FILM 10K-J,1/5W-52RE-AX	C00001036P520S	2		
R674	963125012630S	R.METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R675	nsp	R.CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R676	nsp	R.CHIP THICK 180K-J,1/16W-1608REEL	C20001846M160S	1		
R677	963125010690S	R.METAL FILM 100PPM 15K-J,2W-R.REEL	C060015366050S	1		
R678	nsp	R.CARBON FILM 22K-J,1/5W-52RE-AX	C00002236P520S	1		
R679	nsp	R.CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R681	nsp	R.CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R682	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL	C20001036M160S	1		
R683,684	00D9630345903	R.FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	2		
R685	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL	C20005626M160S	1		
R686	nsp	R.CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	1		
R687	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	1		
R688	nsp	R.CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R689,690	00D9630345903	R.FIXED,M.O. RSD-R1-2WJ-0.47 3.5*8.6 P=5MM SMALL R.REEL	N113136647820S	2		
R691	nsp	R.CARBON FILM 2.7K-J,1/5W-52RE-AX	C00002726P520S	1		
R692	nsp	R.CARBON FILM 220K-J,1/5W-52RE-AX	C00002246P520S	1		
R693	nsp	R.CARBON FILM 560-J,1/5W-52RE-AX	C00005616P520S	1		
R694	nsp	R.METAL FILM 100PPM 3.3K-J,1W-R.REEL	C060033265050S	1		
R695	nsp	R.CARBON FILM 470K-J,1/5W-52RE-AX	C00004746P520S	1		
R696	nsp	R.CARBON FILM 33K-J,1/5W-52RE-AX	C00003336P520S	1		
R697	nsp	R.CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	1		
R698	963125012630S	R.METAL FILM 100PPM 22-J,1W-5REEL	C060022065050S	1		
R699	nsp	R.CARBON FILM 470-J,1/5W-52RE-AX	C00004716P520S	1		
R700,701	nsp	R.METAL FILM 100PPM 1K-J,1W-R.REEL	C060010265050S	2		
R702	nsp	R.METAL FILM 100PPM 270-J,1W-R.REEL	C060027165060S	1		
R703-709	nsp	R.CARBON FILM 1.2K-J,1/5W-52RE-AX	C00001226P520S	7		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R710-716	nsp	CN.WIRE 1P JUMPER (0.6/52MM)	L045084006040S	7		
R717-723	nsp	R.CARBON FILM 220-J,1/5W-52RE-AX	C00002216P520S	7		
R724-730	nsp	R.CHIP THICK 56K-J,1/16W-1608REEL	C20005636M160S	7		
R731,732	nsp	R.CHIP THICK 2.2K-J,1/16W-1608REEL	C20002226M160S	2		
CAPACITORS GROUP						
C401	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL	D011104577160S	1		
C403	nsp	C.CERAMIC CHIP T.C X7R)0.01UF-K/50V-1608REEL	D010103777160S	1		
C405	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL	D010221167160S	1		
C406	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C407	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C408	00D2544573994	C.ELECT GE 85C 22UF-M/50V,5*11 RA3-50V220ME3#8P-T2 ELNA	D040220087330S	1		
C409	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C410	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C411	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C412	963133501550S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE (S&A)	D02047106C060S	1		
C413	nsp	C.CERAMIC CHIP HIK X7R2200PF-K/50V-2012REEL	D011222777200S	1		
C415,416	00D9630234302	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	2		
C418	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL	D011104577160S	1		
C421	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL	D010221167160S	1		
C422	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C423	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C424	00D2544573994	C.ELECT GE 85C 22UF-M/50V,5*11 RA3-50V220ME3#8P-T2 ELNA	D040220087330S	1		
C425	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C426	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C427	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C428	963133501550S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE (S&A)	D02047106C060S	1		
C429	nsp	C.CERAMIC CHIP HIK X7R2200PF-K/50V-2012REEL	D011222777200S	1		
C431,432	00D9630234302	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	2		
C434	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL	D011104577160S	1		
C437	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL	D010221167160S	1		
C438	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C439	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C440	00D2544573994	C.ELECT GE 85C 22UF-M/50V,5*11 RA3-50V220ME3#8P-T2 ELNA	D040220087330S	1		
C441	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C442	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C443	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C444	963133501550S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE (S&A)	D02047106C060S	1		
C445	nsp	C.CERAMIC CHIP HIK X7R2200PF-K/50V-2012REEL	D011222777200S	1		
C447,448	00D9630234302	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	2		
C450	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL	D011104577160S	1		
C453	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL	D010221167160S	1		
C454	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C455	963134503020S	C.ELECT GE 85C 47UF-M/50V,6.3*11 KR3-050V470ME110-T/A5.0S KOSHIN	D040470087550S	1	*	
C456	00D9630224503	C.ELECT GE 85C 22UF-M/50V,5*11-5RE,SMS SY	D040220087060S	1		
C457	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C458	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C459	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C460	963133501550S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE (S&A)	D02047106C060S	1		
C461	nsp	C.CERAMIC CHIP HIK X7R2200PF-K/50V-2012REEL	D011222777200S	1		
C463,464	00D9630234302	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	2		
C466	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL	D011104577160S	1		
C469	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL	D010221167160S	1		
C470	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C471	963134503020S	C.ELECT GE 85C 47UF-M/50V,6.3*11 KR3-050V470ME110-T/A5.0S KOSHIN	D040470087550S	1	*	
C472	00D9630224503	C.ELECT GE 85C 22UF-M/50V,5*11-5RE,SMS SY	D040220087060S	1		
C473	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C474	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C475	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C476	963133501550S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE (S&A)	D02047106C060S	1		
C477	nsp	C.CERAMIC CHIP HIK X7R2200PF-K/50V-2012REEL	D011222777200S	1		
C479,480	00D9630234302	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	2		
C482	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL	D011104577160S	1		
C485	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL	D010221167160S	1		
C486	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C487	963134503020S	C.ELECT GE 85C 47UF-M/50V,6.3*11 KR3-050V470ME110-T/A5.0S KOSHIN	D040470087550S	1	*	
C488	00D9630224503	C.ELECT GE 85C 22UF-M/50V,5*11-5RE,SMS SY	D040220087060S	1		
C489	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C490	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C491	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C492	963133501550S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE (S&A)	D02047106C060S	1		
C493	nsp	C.CERAMIC CHIP HIK X7R2200PF-K/50V-2012REEL	D011222777200S	1		
C495,496	00D9630234302	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	2		
C498	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/50V-1608REEL	D011104577160S	1		
C501	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL	D010221167160S	1		
C502	963133501540S	C.FILM POLYESTER ST-0.00022UF-J/100V-5RE	D02022106C050S	1		
C503	963134503020S	C.ELECT GE 85C 47UF-M/50V,6.3*11 KR3-050V470ME110-T/A5.0S KOSHIN	D040470087550S	1	*	
C504	00D9630224503	C.ELECT GE 85C 22UF-M/50V,5*11-5RE,SMS SY	D040220087060S	1		
C505	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C506	13405014440AS	C.ELECT GE 85C 100UF-M/50V,8*11.5 KR3-050V101MF115-T/A5.0S KOSHIN	D040101087550S	1		
C507	nsp	C.CERAMIC HIK DISC B470PF-K/500V-5RE	D00447127D050S	1		
C508	963133501550S	C.FILM POLYESTER ST-0.00047UF-J/100V-5RE (S&A)	D02047106C060S	1		
C509	nsp	C.CERAMIC CHIP HIK X7R2200PF-K/50V-2012REEL	D011222777200S	1		
C511,512	00D9630234302	C.ELECT GE 85C 10UF-M/100V,6.3*11-5RE,SMS SY	D04010008C050S	2		
C513,514	00D9630338402	C.ELECT GE 85C 330UF-M/6.3V,6.3*11-5RE SMS SY	D040331081050S	2		
C515	00D2544538913	C.ELECT GE 85C 22UF-M/16V,5*11-5RE,SMS SY	D040220083070S	1		
OTHER PARTS GROUP						
CN404	nsp	CN.WIRE 2MM 160MM/7P 20010HS-07=CKM2002HV-07 YW1007#26	L002161070090S	1		
CP401	nsp	CN.WAFER 2.0MM 20010WS-13A00 DIP13P STRAIGHT	L101200101310S	1		
CP402	nsp	CN.WAFER 2.5MM YMW025-05R DIP ST	L102025050020S	1		
CP403	nsp	CN.WAFER 2.0MM 20010WS-10A00 DIP10P STRAIGHT	L101200101010S	1		
CP405	nsp	CN.WAFER 2.5MM YMW025-03R DIP ST	L102025030020S	1		
BKT400	nsp	BRACKET AVR133(HARMAN) BURNING HOLE SPTE 0.8/SCREW	4010210196100S	1		
G400-402	nsp	CN.WIRE 70MM/1P CKM9919T*2 BK1007#20	L000700010150S	3		
TP401-407	nsp	CN.WAFER 2.0MM 20010WR-03A00 DIP3P RIGHT ANGLE	L101200100320S	7		
VR401-407	963161012400S	VR,SEMI CARBON MOLD EVN-DCAA03B13/REEL 1KB	C541102315000S	7		

HDMI PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed t NOTE: The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D1024	963204500220D	D.SCHOTTKY CHIP LRB521S-30T1G SOD523 SCHOTTKY BARRIER DIODE	K125521305230S	1		
D1089	963204500220D	D.SCHOTTKY CHIP LRB521S-30T1G SOD523 SCHOTTKY BARRIER DIODE	K125521305230S	1		
D1094	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D1095	963263101000S	LED,IR BIR-BM1341W 3PI INFRARED LED	K505134101050S	1	*	
D1096	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	1		
D1103-1105	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323	K005041480230S	3		
D1138	00D2760739907	D.SWITCHING CHIP KDS181S(B)-THICK SOT-23	K005018100040S	1		
IC6000	963239101330S	IC.LOGIC TC7SGU04FU SSOP5-P-0.65A INVERTER(UNBUFFERED)	J040704000210S	1		
Q1000	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1001	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1002	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1003	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1004	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1005	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1006-1009	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	4		
Q1010	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1011	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1012	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1013	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1014	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1015	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1016,1017	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	2		
Q1018,1019	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	2		
Q1022-1029	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	8		
Q1030,1031	963212500030S	SEMI.CHIP TR/PNP 2SA ISA1530AC1 0.2W/SC-59 ISAHAYA	J520015301210S	2		
Q1032	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1037	943215500020S	SEMI.CHIP TR/PNP 2SA RT1P141C 0.2W/SC-59 ISAHAYA	J520101411210S	1		
Q1038	963219002180S	SEMI.CHIP TR/NPN 2SD 2SD2114KT146W SMT3 SOT23-REEL	J5232114K0010S	1		
Q1039,1040	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	2		
Q1041	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1043	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1046	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1047	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1050	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1051	963219004200S	SEMI,FET CHIP FDC608PZ P-CH 2.5V MOSFET SOT6	J543608000010S	1		
Q1052	943214500020S	SEMI.CHIP TR/NPN 2SC 2SC3052 0.15W/SC-59 REEL ISAHAYA	J522305200050S	1		
Q1055	963211500160D	SEMI.CHIP TR/PNP 2SB PBSS5140U SOT323 40V LOW VCEsat PNP TR	J521051401010S	1		
Q1056	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1057	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1058	963219004200S	SEMI,FET CHIP FDC608PZ P-CH 2.5V MOSFET SOT6	J543608000010S	1		
Q1059	963211500160D	SEMI.CHIP TR/PNP 2SB PBSS5140U SOT323 40V LOW VCEsat PNP TR	J521051401010S	1		
Q1060	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1062	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1063	963219004200S	SEMI,FET CHIP FDC608PZ P-CH 2.5V MOSFET SOT6	J543608000010S	1		
Q1064	963211500160D	SEMI.CHIP TR/PNP 2SB PBSS5140U SOT323 40V LOW VCEsat PNP TR	J521051401010S	1		
Q1065	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1066	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1067	963219004200S	SEMI,FET CHIP FDC608PZ P-CH 2.5V MOSFET SOT6	J543608000010S	1		
Q1068	00D2710326904	SEMI.CHIP TR/PNP 2SA 2SA1954 (GB) 0.1W/SC-70 REEL	J520195405510S	1		
Q1069	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
Q1070	943216500050S	SEMI.CHIP TR/NPN 2SC RT1N441C 0.2W/SC-59 ISAHAYA	J522104411210S	1		
Q1071	963219004200S	SEMI,FET CHIP FDC608PZ P-CH 2.5V MOSFET SOT6	J543608000010S	1		
Q1072	963211500160D	SEMI.CHIP TR/PNP 2SB PBSS5140U SOT323 40V LOW VCEsat PNP TR	J521051401010S	1		
Q1073	943216500020S	SEMI.CHIP TR/NPN 2SC RT1N141C 0.2W/SC-59 ISAHAYA	J522101411210S	1		
U1000	963236101810S	IC.LOGIC MN8647781(ESS) HDMI 2.0 HQFP144P	J040864778510S	1	*	
U1001	00D2623436907	IC.LOGIC TC74VHC244FT OCTAL BUS BUFFER TSSOP20	J040742445530S	1		
U1002	963239101350S	IC.LOGIC SN74CBT3251PWR TSSOP16 FET MUX/DEMUX	J040743251030S	1		
U1003	963236101810S	IC.LOGIC MN8647781(ESS) HDMI 2.0 HQFP144P	J040864778510S	1	*	
U1004	00D2623436907	IC.LOGIC TC74VHC244FT OCTAL BUS BUFFER TSSOP20	J040742445530S	1		
U1005	23671011050AS	IC.LOGIC-DECODER MF1337S3959 COPROCESSOR(IPOD) DENON SAGUB	J044337395910S	1		
U1007,1008	963644101940S	PIN JUMPER PIN HEADER 1.27MM 64P GPEC244-3202 B002 B1 AD	L424224464020S	2		
U1016	963239101340S	IC.LOGIC TC74VHC125F1S1-TBB TSSOP14P QUAD BUS BUFFER	J040741250200S	1		
U1017	963239101320S	IC.MEMORY-EEPROM R1EX24128BSA01 128Kbit SERIAL SOP8 RENESAS	J000241282010S	1		
U1018	-----	CPU R5F56108VNFPP MICROCOMPUTER RENESAS EMPTY	J020610005510S	1		
U1018	963243102050M	CPU R5F56108VNFPP MICROCOMPUTER RENESAS	U, N 895250090040	1	*	
U1018	963243102060M	CPU R5F56108VNFPP MICROCOMPUTER RENESAS	K 895250090050	1	*	
U1019	963262012150M	MODULE,REMOCON R94EV1A 36KHZ STRAIGHT LEAD P=2.54MM	E940941003610S	1		
U1020	-----	IC,CPU MICRO PROCESS R5F5210ABDFP (ROM768kB RAM96kB) P-LFQFP100 RENESAS EMPT	J020552102010S	1		
U1020	963243102430S	CPU U R5F5210ABDFP	U 8952500900060	1	*	
U1020	963243102440S	CPU N R5F5210ABDFP	N 8952500900070	1	*	
U1020	963243102450S	CPU K R5F5210ABDFP	K 8952500900080	1	*	
U1022	nsp	IC.LOGIC AD8195 HDMI/DVI BUFFER EQ LFCSP40	J040819505510S	1		
U1023	943246012690S	IC.MEMORY-RAM W9864G6JH-6 1M*4BANKS*16BIT(64MB) TSOP54	J001986466010S	1		
U1024	963245100520S	IC.ANALOG ADSP21487KSWZ-3B3080 SHARC PROCESSOR LQFP176	J080214875630S	1		
U1025	-----	IC.MEMORY FLASH MX25L1606EM2I-12G 16M CMOS SERIAL FLASH SOP8 EMPTY	J005251601210S	1		
U1025	963248102800S	FLASH U MX25L1606EM2I-12G	U 8952500900090	1	*	
U1025	963248102810S	FLASH N MX25L1606EM2I-12G	N 8952500900100	1	*	
U1025	963248102820S	FLASH K MX25L1606EM2I-12G	K 8952500900110	1	*	
U1026	23681016160AS	IC.LOGIC-ENCODER ADV8003KBCZ-8B (AD55/058Z-0)	J045800305010S	1		
U1027	-----	IC.MEMORY FLASH MX25L12835FMI-10G 128M SERIAL FLASH SOP16 EMPTY	J005251281060S	1		
U1027	963248102830S	FLASH U MX25L12835FMI-10G	U 8952500900120	1	*	
U1027	963248102840S	FLASH N MX25L12835FMI-10G	N 8952500900130	1	*	
U1027	963248102850S	FLASH K MX25L12835FMI-10G	K 8952500900140	1	*	
U1028,1029	963246101010S	IC.MEMORY-REG A3R12E40CBF-8E 512Mb DDR2 SDRAM FBGA84	J001030124080S	2		
U1030	943239010400S	IC.LINEAR-REGULATOR NJM2845DL1-33 3.3V TO-252-3 LOW-DROP VOL REGULATOR	J126284533010S	1		
U1032	943239010400S	IC.LINEAR-REGULATOR NJM2845DL1-33 3.3V TO-252-3 LOW-DROP VOL REGULATOR	J126284533010S	1		
U1033	943239100730S	IC.LINEAR-RESET PST8448UR SYSTEM RESET SC-82AB MITSUMI	J125844800010S	1		
U1039	963236101810S	IC.LOGIC MN8647781(ESS) HDMI 2.0 HQFP144P	J040864778510S	1	*	
U1040	23681014050AS	IC.LOGIC-INTERFACE PCM9211 TRANSCEIVER LQFP48	J046921100010S	1		
U1041	963248102770S	IC.PAL/PLD 5M80ZT100C5N TQFP100	8952160500060	1	*	
U1042	00D2623077900	IC.LOGIC TC74VHC04U4FT HEX INVERTER TSSOP14	J040740405580S	1		
U1043,1044	963239101100S	MODULE BCR-802-M25 25MBPS OPTICAL RECEIVER INTERFACE	E100802000250S	2		
U1045	963248102780S	IC.PAL/PLD 5M80ZT100C5N TQFP100	8952160500070	1	*	
U1048	nsp	IC.LOGIC-D/A CONVER PCM1690 HTSSOP48	J042169000010S	1		
U1050	943239010400S	IC.LINEAR-REGULATOR NJM2845DL1-33 3.3V TO-252-3 LOW-DROP VOL REGULATOR	J126284533010S	1		
U1052	943239100690S	IC.LOGIC-D/A CONVER PCM5100 TSSOP20 AUDIO STEREO DAC	J042510005510S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
U1055	963236101220D	IC,LOGIC ADV7850 HDMI 1.4A RECEIVER BGA425	J040785005510S	1		
U1061-1070	963239101370S	IC,LOGIC-D/D CONVER EN5339QI 3A BUCK PWM DC-DC QFN24P	J048533900010S	10		
U6000	943639101380D	MODULE 1BT-06-02S BT MODULE CLASS2 V2.1+EDR HCI INTERFACE	E10007060020S	1		
U6001	963239101380S	IC,LINEAR-REGULATOR BD00HA3MEFJ-ME2 HTSOP-J8 LDO REGULATOR 0.3A	J126000000030S	1		
RESISTOR GROUP						
R1000	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1001	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1006	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1010,1011	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	2		
R1012	nsp	R,CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1013	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1014	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1015,1016	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	2		
R1017	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1018	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1019	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1020	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1021	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1022	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1024,1025	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	2		
R1027	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1029	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1031	nsp	R,CHIP THICK 510-D,1/16W-1608REEL	C20005111M161S	1		
R1033	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1037	nsp	R,CHIP THICK 510-D,1/16W-1608REEL	C20005111M161S	1		
R1038	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1039	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1040,1041	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	2		
R1042	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1043	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1044,1045	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	2		
R1052	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1053	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1055	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1057,1058	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	2		
R1059-1062	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	4		
R1063	nsp	R,CHIP THICK 1M-J,1/16W-1005REEL	C20001056M101S	1		
R1064	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1068	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1069	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1070	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1071,1072	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	2		
R1074	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1075	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1076	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1077-1079	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004726M101S	3		
R1080	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1081,1082	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	2		
R1083	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1084,1085	nsp	R,CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	2		
R1086	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1087,1088	nsp	R,CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	2		
R1090,1091	nsp	R,CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	2		
R1094	nsp	R,CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R1095	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1096	nsp	R,CHIP THICK 2.2K-J,1/16W-1005REEL	C20002226M101S	1		
R1097	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1099	nsp	R,CHIP THICK 8.2K-J,1/16W-1005REEL	C20008226M101S	1		
R1101	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1102	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1103,1104	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	2		
R1105	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1106	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1107,1108	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	2		
R1117	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1118,1119	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	2		
R1120	nsp	R,CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1121	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1122	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1123,1124	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	2		
R1125	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1126	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1127	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1128	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1129	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1130	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1132,1133	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	2		
R1135	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1137	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1139	nsp	R,CHIP THICK 510-D,1/16W-1608REEL	C20005111M161S	1		
R1141	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1145	nsp	R,CHIP THICK 510-D,1/16W-1608REEL	C20005111M161S	1		
R1146	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1147	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1148,1149	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	2		
R1150	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1151	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1152,1153	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	2		
R1160	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1161	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1162	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1163	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	1		
R1165,1166	nsp	R,CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	2		
R1168-1170	nsp	R,CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	3		
R1171	nsp	R,CHIP THICK 1M-J,1/16W-1005REEL	C20001056M101S	1		
R1173-1176	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	4		
R1177	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1178	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1179-1181	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	3		
R1183	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1184	nsp	R,CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1185	nsp	R,CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1186	nsp	R,CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1187,1188	nsp	R,CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	2		

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
R1189	nsp	R.CHIP THICK 47K-J.1/16W-1005REEL		C20004736M101S	1		
R1190,1191	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	2		
R1192	nsp	R.CHIP THICK 47K-J.1/16W-1005REEL		C20004736M101S	1		
R1194,1195	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	2		
R1197,1198	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	2		
R1199	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1201	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	1		
R1206	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1209,1210	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	2		
R1214	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1216,1217	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	2		
R1220	nsp	R.NETWORK A-TYPE 33-J.1/16W SMD(1005)*4 WA04X		C180330042100S	1		
R1221	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1222	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1233	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	1		
R1234	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1235	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1236-1238	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	3		
R1240	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1241,1242	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	2		
R1249,1250	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	2		
R1252	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1253	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1254	nsp	R.NETWORK A-TYPE 47-J.1/16W SMD(1005)*4 WA04X		C180470042100S	1		
R1255	nsp	R.CHIP THICK 10-F.1/16W-1005REEL		C20001004M100S	1		
R1258	nsp	R.NETWORK A-TYPE 47-J.1/16W SMD(1005)*4 WA04X		C180470042100S	1		
R1259-1261	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	3		
R1263	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1264-1268	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	5		
R1269	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1270,1271	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	2		
R1332	nsp	R.CHIP THICK 22K-J.1/16W-1005REEL		C20002236M101S	1		
R1335	nsp	R.CHIP THICK 22K-J.1/16W-1005REEL		C20002236M101S	1		
R1337	nsp	R.CHIP THICK 22K-J.1/16W-1005REEL		C20002236M101S	1		
R1339	nsp	R.CHIP THICK 22K-J.1/16W-1005REEL		C20002236M101S	1		
R1341	nsp	R.CHIP THICK 22K-J.1/16W-1005REEL		C20002236M101S	1		
R1343	nsp	R.CHIP THICK 22K-J.1/16W-1005REEL		C20002236M101S	1		
R1344,1345	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	2		
R1346	nsp	R.CHIP THICK 100K-J.1/16W-1005REEL		C20001046M101S	1		
R1347	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1348	nsp	R.CHIP THICK 100K-J.1/16W-1005REEL		C20001046M101S	1		
R1349	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1354	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1355	nsp	R.CHIP THICK 18K-J.1/16W-1005REEL		C20001836M101S	1		
R1356	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1357	nsp	R.CHIP THICK 120K-J.1/16W-1005REEL		C20001246M101S	1		
R1358	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1359	nsp	R.CHIP THICK 120K-J.1/16W-1005REEL		C20001246M101S	1		
R1360	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1362	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1363	nsp	R.CHIP THICK 120K-J.1/16W-1005REEL		C20001246M101S	1		
R1364	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1366	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	1		
R1367,1368	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	2		
R1369	nsp	R.CHIP THICK 33K-J.1/16W-1005REEL		C20003336M101S	1		
R1370	nsp	R.CHIP THICK 18K-J.1/16W-1005REEL		C20001836M101S	1		
R1379	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	1		
R1387-1390	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	4		
R1393,1394	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	2		
R1395	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	1		
R1398,1399	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	2		
R1400	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1401-1407	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	7		
R1408	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1410	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	1		
R1412	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	1		
R1414	nsp	R.CHIP THICK 10-J.1/16W-1005REEL		C20001006M101S	1		
R1418	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	1		
R1421	nsp	R.CHIP THICK 0-J.1/16W-1005REEL		C20000006M101S	1		
R1422,1423	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	2		
R1425-1427	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	3		
R1428	nsp	R.CHIP THICK 0-J.1/16W-1608REEL	U	C20000006M160S	1		
R1428	nsp	10K-J.1/16W-1608REEL	K	C20001036M160S	1		
R1431	nsp	0-J.1/16W-1608REEL	N	C20000006M160S	1		
R1431	nsp	10K-J.1/16W-1608REEL	K	C20001036M160S	1		
R1432-1434	nsp	R.CHIP THICK 1K-J.1/16W-1005REEL		C20001026M101S	3		
R1436	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1438-1441	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	4		
R1442	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	1		
R1452	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1455,1456	nsp	R.CHIP THICK 1K-J.1/16W-1005REEL		C20001026M101S	2		
R1457-1460	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	4		
R1461	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1462	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	1		
R1464	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	1		
R1465	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1466	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	1		
R1467	nsp	R.CHIP THICK 100-J.1/16W-1005REEL		C20001016M101S	1		
R1468	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	1		
R1469	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1470-1477	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	8		
R1478	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1479-1484	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	6		
R1485	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1486	nsp	R.CHIP THICK 1.2K-J.1/16W-1005REEL		C20001226M101S	1		
R1487	nsp	R.CHIP THICK 100K-J.1/16W-1005REEL		C20001046M101S	1		
R1488	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	1		
R1489	nsp	R.CHIP THICK 2.2M-J.1/16W-1005REEL		C20002256M101S	1		
R1490	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1491	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	1		
R1492	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL		C20001036M111S	1		
R1493	nsp	R.CHIP THICK 33-J.1/16W-1005REEL		C20003306M101S	1		
R1494	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL		C20004726M101S	1		
R1495	nsp	R.CHIP THICK 47K-J.1/16W-1005REEL		C20004736M101S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R1496	nsp	R.CHIP THICK 27K-J.1/16W-1005REEL	C20002736M101S	1		
R1497	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	1		
R1498	nsp	R.CHIP THICK 220K-J.1/16W-1005REEL	C20002246M101S	1		
R1499	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	1		
R1500	nsp	R.CHIP THICK 3.3K-J.1/16W-1005REEL	C20003326M101S	1		
R1501	nsp	R.CHIP THICK 100K-J.1/16W-1005REEL	C20001046M101S	1		
R1502,1503	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	2		
R1506	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1507,1508	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	2		
R1509	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1510	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	1		
R1512	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1513-1516	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	4		
R1517	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1518,1519	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	2		
R1522	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1523	nsp	R.CHIP THICK 1M-J.1/16W-1005REEL	C20001056M101S	1		
R1524	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	1		
R1533	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	1		
R1544	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1545,1546	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	2		
R1547	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004736M101S	1		
R1550	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	1		
R1552	nsp	R.CHIP THICK 1K-J.1/16W-1005REEL	C20001026M101S	1		
R1553	nsp	R.CHIP THICK 2.2K-J.1/16W-1005REEL	C20002226M101S	1		
R1555,1556	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	2		
R1558	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1561	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	1		
R1563,1564	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	2		
R1565	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	1		
R1567-1570	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	4		
R1571	nsp	R.CHIP THICK 100K-J.1/16W-1005REEL	C20001046M101S	1		
R1573	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1574	nsp	R.CHIP THICK 100K-J.1/16W-1005REEL	C20001046M101S	1		
R1575	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1578,1579	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	2		
R1580	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1581,1582	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	2		
R1583	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1584	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1585	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1587	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1588	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	1		
R1589	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	1		
R1590	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	1		
R1591	nsp	R.NETWORK A-TYPE 10-J 1/16W SMD(1005)*4 WA04X	C180100042100S	1		
R1593	nsp	R.NETWORK A-TYPE 10-J 1/16W SMD(1005)*4 WA04X	C180100042100S	1		
R1594	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004706M101S	1		
R1595	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1597	nsp	R.NETWORK A-TYPE 10-J 1/16W SMD(1005)*4 WA04X	C180100042100S	1		
R1599	nsp	R.NETWORK A-TYPE 10-J 1/16W SMD(1005)*4 WA04X	C180100042100S	1		
R1600	nsp	R.NETWORK A-TYPE 10K-J*4 1/16W SMD(1005) WA04	C180103042100S	1		
R1601	nsp	R.CHIP THICK 2.2K-J.1/16W-1005REEL	C20002226M101S	1		
R1603	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1604,1605	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	2		
R1606,1607	nsp	R.NETWORK A-TYPE 10K-J*4 1/16W SMD(1005) WA04	C180103042100S	2		
R1608	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1610	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1612	nsp	R.CHIP THICK 1K-J.1/16W-1005REEL	C20001026M101S	1		
R1613,1614	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	2		
R1615	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	1		
R1617	nsp	R.NETWORK A-TYPE 10K-J*4 1/16W SMD(1005) WA04	C180103042100S	1		
R1618	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1619	nsp	R.CHIP THICK 1M-J.1/16W-1005REEL	C20001056M101S	1		
R1620	nsp	R.CHIP THICK 10-J.1/16W-1005REEL	C20001006M101S	1		
R1621-1624	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	4		
R1625	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	1		
R1626	nsp	R.CHIP THICK 220-J.1/16W-1005REEL	C20002216M101S	1		
R1627	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1630,1631	nsp	R.CHIP THICK 1.8K-J.1/16W-1005REEL	C20001826M101S	2		
R1632	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	1		
R1633	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1634	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1635	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1637,1638	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	2		
R1639	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1640	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1641	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	1		
R1642,1643	nsp	R.CHIP THICK 1K-D.1/16W-1608REEL	C20001021M160S	2		
R1644	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1645	nsp	R.CHIP THICK 470-D.1/16W-1608REEL	C20004711M160S	1		
R1647	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1651	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1652	nsp	R.CHIP THICK 4.7K-J.1/16W-1005REEL	C20004726M101S	1		
R1655	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1657	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	1		
R1658	nsp	R.CHIP THICK 2.7K-F.1/16W-1608REEL	C20002724M161S	1		
R1659	nsp	R.CHIP THICK 180-F.1/16W-1608REEL	C20001814M161S	1		
R1660	nsp	R.CHIP THICK 2.7K-F.1/16W-1608REEL	C20002724M161S	1		
R1661	nsp	R.CHIP THICK 180-F.1/16W-1608REEL	C20001814M161S	1		
R1663-1665	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	3		
R1667-1669	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	3		
R1671-1674	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	4		
R1675	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1676,1677	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	2		
R1678	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1680	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	1		
R1681	nsp	R.CHIP THICK 33-J.1/16W-1005REEL	C20003306M101S	1		
R1682	nsp	R.CHIP THICK 0-J.1/16W-1005REEL	C20000006M101S	1		
R1683	nsp	R.CHIP THICK 10K-J.1/16W-1005REEL	C20001036M111S	1		
R1684	nsp	R.CHIP THICK 1K-J.1/16W-1005REEL	C20001026M101S	1		
R1685,1686	nsp	R.NETWORK A-TYPE 4.7K-J 1/16W SMD(1005)*4 WA04X	C180472042100S	2		
R1687	nsp	R.CHIP THICK 56-J.1/16W-1005REEL	C20005606M101S	1		
R1688,1689	nsp	R.CHIP THICK 47-J.1/16W-1005REEL	C20004706M101S	2		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R1690,1691	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	2		
R1692	nsp	R.NETWORK A-TYPE 47-J,1/16W SMD(1005)*4 WA04X	C180470042100S	1		
R1693,1694	nsp	R.CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	2		
R1695-1700	nsp	R.NETWORK A-TYPE 47-J,1/16W SMD(1005)*4 WA04X	C180470042100S	6		
R1701,1702	nsp	R.CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	2		
R1703-1710	nsp	R.NETWORK A-TYPE 47-J,1/16W SMD(1005)*4 WA04X	C180470042100S	8		
R1711	nsp	R.CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R1715,1716	nsp	R.CHIP THICK 1K-D,1/16W-1608REEL	C20001021M160S	2		
R1717,1718	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	2		
R1731	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R1732	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1733,1734	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	2		
R1735	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1736	nsp	R.CHIP THICK 348K-F,1/16W-1608REEL	C20034834M161S	1		
R1737	nsp	R.CHIP THICK 300K-F,1/16W-1608REEL	C20003044M160S	1		
R1738	nsp	R.CHIP THICK 39K-F,1/16W-1608REEL	C20003934M161S	1		
R1739	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R1740	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1741,1742	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	2		
R1743	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1746	nsp	R.CHIP THICK 22K-J,1/16W-1005REEL	C20002236M101S	1		
R1747	nsp	R.CHIP THICK 39K-F,1/16W-1608REEL	C20003934M161S	1		
R1748	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R1750	nsp	R.CHIP THICK 100-J,1/16W-1005REEL	C20001016M101S	1		
R1751	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R1752	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1753	nsp	R.CHIP THICK 348K-F,1/16W-1608REEL	C20034834M161S	1		
R1754	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1755	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R1756	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1759	nsp	R.CHIP THICK 300K-F,1/16W-1608REEL	C20003044M160S	1		
R1760	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R1761	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1762	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1763	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1764	nsp	R.CHIP THICK 348K-F,1/16W-1608REEL	C20034834M161S	1		
R1765	nsp	R.CHIP THICK 412K-F,1/16W-1608REEL	C20041234M161S	1		
R1766	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R1767	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1768	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1769	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1770,1771	nsp	R.CHIP THICK 348K-F,1/16W-1608REEL	C20034834M161S	2		
R1772	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R1773	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1774	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1775	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1776-1778	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	3		
R1779	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R1780	nsp	R.CHIP THICK 348K-F,1/16W-1608REEL	C20034834M161S	1		
R1781	nsp	R.CHIP THICK 160K-F,1/16W-1608REEL	C20001644M160S	1		
R1782,1783	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	2		
R1784	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R1785	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1786	nsp	R.CHIP THICK 2K-F,1/16W-1005REEL	C20002024M100S	1		
R1787	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1788	nsp	R.CHIP THICK 348K-F,1/16W-1608REEL	C20034834M161S	1		
R1789	nsp	R.CHIP THICK 169K-F,1/16W-1608REEL	C20016934M161S	1		
R1790	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1791	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R1793	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R1794	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1795	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1796	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1797	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1798	nsp	R.CHIP THICK 39K-F,1/16W-1608REEL	C20003934M161S	1		
R1799	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1800	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1801	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1802	nsp	R.CHIP THICK 76.8K-F,1/16W-1608REEL	C20076824M161S	1		
R1803	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1804	nsp	R.CHIP THICK 348K-F,1/16W-1608REEL	C20034834M161S	1		
R1806,1807	nsp	R.CHIP THICK 348K-F,1/16W-1608REEL	C20034834M161S	2		
R1808	nsp	R.CHIP THICK 169K-F,1/16W-1608REEL	C20016934M161S	1		
R1809	nsp	R.CHIP THICK 300K-F,1/16W-1608REEL	C20003044M160S	1		
R1810	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1811	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R1812	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1813,1814	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	2		
R1815	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1816	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1817	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R1818,1819	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	2		
R1820,1821	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	2		
R1822	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1823	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R1824	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1827	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R1828	nsp	R.CHIP THICK 348K-F,1/16W-1608REEL	C20034834M161S	1		
R1829	nsp	R.CHIP THICK 76.8K-F,1/16W-1608REEL	C20076824M161S	1		
R1830	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1831	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R1832	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1850-1852	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	3		
R1853-1855	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	3		
R1856,1857	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	2		
R1858	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1859,1860	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	2		
R1861	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1862,1863	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	2		
R1864,1865	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	2		
R1866	nsp	R.CHIP THICK 510-D,1/16W-1608REEL	C20005111M161S	1		
R1867	nsp	R.CHIP THICK 10-J,1/16W-1005REEL	C20001006M101S	1		
R1868	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1869,1870	nsp	R.CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	2		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R1871	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1872	nsp	R.CHIP THICK 510-D,1/16W-1608REEL	C20005111M161S	1		
R1873-1880	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	8		
R1881-1883	nsp	R.CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	3		
R1884	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1885,1886	nsp	R.CHIP THICK 1.8K-J,1/16W-1005REEL	C20001826M101S	2		
R1887,1888	nsp	R.CHIP THICK 51-D,1/16W-1608REEL	C20005101M160S	2		
R1889,1890	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	2		
R1891	nsp	R.CHIP THICK 5.1-J,1/16W-1005REEL	C2005R106M100S	1		
R1892	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1893	nsp	R.CHIP THICK 1M-J,1/16W-1005REEL	C20001056M101S	1		
R1894	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1897	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1898	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R1899	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1900,1901	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	2		
R1902	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R1903	nsp	R.CHIP THICK 3.3K-J,1/16W-1005REEL	C20003326M101S	1		
R1905	nsp	R.CHIP THICK 820-J,1/16W-1005REEL	C20008216M101S	1		
R1906	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1907	nsp	R.CHIP THICK 680-J,1/16W-1005REEL	C20006816M101S	1		
R1908	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1909	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1910	nsp	R.NETWORK A-TYPE 10K-J*4 1/16W SMD(1005) WA04	C180103042100S	1		
R1911	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R1914,1915	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	2		
R1916,1917	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	2		
R1919	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
R1920,1921	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	2		
R1922	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1923	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R1924	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1925-1928	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	4		
R1930-1933	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	4		
R1934	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R1935-1942	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	8		
R1943	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R1944,1945	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	2		
R1946	nsp	R.CHIP THICK 470-J,1/16W-1005REEL	C20004716M101S	1		
R1948,1949	nsp	R.CHIP THICK 150-J,1/16W-1005REEL	C20001516M101S	2		
R1951	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1952	nsp	R.CHIP THICK 330K-J,1/16W-1005REEL	C20003346M101S	1		
R1953-1955	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	3		
R1956	nsp	R.CHIP THICK 470-J,1/16W-1005REEL	C20004716M101S	1		
R1957	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R1958,1959	nsp	R.CHIP THICK 150-J,1/16W-1005REEL	C20001516M101S	2		
R1960	nsp	R.CHIP THICK 330K-J,1/16W-1005REEL	C20003346M101S	1		
R1961	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R1963	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R1967	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R1969-1975	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	7		
R1976-1980	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	5		
R1981,1982	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	2		
R1983	nsp	R.CHIP THICK 5.1-J,1/16W-1005REEL	C2005R106M100S	1		
R1984-1986	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	3		
R1988-1990	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	C180000022100S	3		
R1993,1994	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	2		
R1997,1998	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/25V-1608REEL	D011104774161S	2		
R1999	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2002	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2010	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2013	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2017	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2020	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		
R2021	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2027,2028	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	2		
R2029	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R2032	nsp	R.CHIP THICK 33-J,1/16W-1005REEL	C20003306M101S	1		
R2033	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL	C20001026M101S	1		
R2034	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2037	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R2038	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2043	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	1		
R2044	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2047	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2049	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R2057	nsp	R.CHIP THICK 0-J,1/16W-1005REEL	C20000006M101S	1		
R2058	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2061	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R2062	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2066	nsp	R.CHIP THICK 470-J,1/16W-1005REEL	C20004716M101S	1		
R2067	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R2068	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R2069	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2072	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2074	nsp	R.CHIP THICK 100K-J,1/16W-1005REEL	C20001046M101S	1		
R2078	nsp	R.CHIP THICK 470-J,1/16W-1005REEL	C20004716M101S	1		
R2082	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2085	nsp	R.CHIP THICK 100-J,1/16W-1608REEL	C20001016M160S	1		
R2089-2092	nsp	R.CHIP THICK 24-J,1/16W-1608REEL	C20002406M160S	4		
R2093-2096	nsp	R.CHIP THICK 51-J,1/16W-1608REEL	C20005106M160S	4		
R2097	nsp	R.CHIP THICK 2.2K-J,1/16W-1005REEL	C20002226M101S	1		
R2117	nsp	R.CHIP THICK 0-J,1/16W-1608REEL	C20000006M160S	1		
R2118	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R2120	nsp	R.CHIP THICK 470-D,1/16W-1608REEL	C20004711M160S	1		
R2121	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL	C20001036M111S	1		
R2123,2124	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL	C20004726M101S	2		
R2125	nsp	R.NETWORK A-TYPE 4.7K-J 1/16W SMD(1005)*4 WA04X	C180472042100S	1		
R2126	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL	C20004736M101S	1		
R2127	nsp	R.CHIP THICK 47-J,1/16W-1005REEL	C20004706M101S	1		
R2129	nsp	R.NETWORK A-TYPE 4.7K-J 1/16W SMD(1005)*4 WA04X	C180472042100S	1		
R2132	nsp	R.NETWORK A-TYPE 4.7K-J 1/16W SMD(1005)*4 WA04X	C180472042100S	1		
R2133	nsp	R.NETWORK A-TYPE 47K-J 1/16W SMD(1005)*4 WA04X	C180473042100S	1		
R2134	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X	C180330042100S	1		

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
R2135	nsp	R.NETWORK A-TYPE 4.7K-J 1/16W SMD(1005)*4 WA04X		C180472042100S	1		
R2136	nsp	R.NETWORK A-TYPE 47K-J 1/16W SMD(1005)*4 WA04X		C180473042100S	1		
R2137	nsp	R.NETWORK A-TYPE 33-J 1/16W SMD(1005)*4 WA04X		C180330042100S	1		
R2139	nsp	R.NETWORK A-TYPE 4.7K-J 1/16W SMD(1005)*4 WA04X		C180472042100S	1		
R2140,2141	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL		C20004736M101S	2		
R2142	nsp	R.NETWORK A-TYPE 10-J 1/16W SMD(1005)*4 WA04X		C180100042100S	1		
R2143,2144	nsp	R.CHIP THICK 2.2K-J,1/16W-1005REEL		C20002226M101S	2		
R2146	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL		C20004726M101S	1		
R2147	nsp	R.CHIP THICK 10-J,1/16W-1005REEL		C20001006M101S	1		
R2150	nsp	R.NETWORK A-TYPE 47K-J 1/16W SMD(1005)*4 WA04X		C180473042100S	1		
R2151	nsp	R.NETWORK A-TYPE 4.7K-J 1/16W SMD(1005)*4 WA04X		C180472042100S	1		
R2156	nsp	R.NETWORK A-TYPE 4.7K-J 1/16W SMD(1005)*4 WA04X		C180472042100S	1		
R2159	nsp	R.CHIP THICK 1K-J,1/16W-1005REEL		C20001026M101S	1		
R2162	nsp	R.CHIP THICK 47K-J,1/16W-1005REEL		C20004736M101S	1		
R2163	nsp	R.CHIP THICK 4.7K-J,1/16W-1005REEL		C20004726M101S	1		
R2164	nsp	R.NETWORK A-TYPE 4.7K-J 1/16W SMD(1005)*4 WA04X		C180472042100S	1		
R2171	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL		C20001036M111S	1		
R2173-2180	nsp	R.CHIP THICK 0-J,1/16W-1005REEL		C20000006M101S	8		
R6000	nsp	R.CHIP THICK 680K-J,1/16W-1005REEL		C20006846M101S	1		
R6001	nsp	R.CHIP THICK 22M-J,1/16W-1005REEL		C20002266M100S	1		
R6002-6004	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL		C20001036M111S	3		
R6005	nsp	R.CHIP THICK 39K-J,1/16W-1005REEL		C20003936M101S	1		
R6006	nsp	R.CHIP THICK 11K-J,1/16W-1005REEL		C20001136M101S	1		
R6007-6012	nsp	R.CHIP THICK 0-J,1/16W-1005REEL		C20000006M101S	6		
CAPACITORS GROUP							
C1000-1007	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL		D011102177101S	8		
C1008-1010	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	3		
C1015	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	1		
C1016-1025	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	10		
C1030,1031	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1032	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1034,1035	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1042,1043	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1044	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1		
C1045-1047	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	3		
C1056,1057	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1058	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1059	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1		
C1060,1061	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		
C1062	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1		
C1067,1068	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1069-1072	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	4		
C1073	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1		
C1074-1076	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	3		
C1077,1078	nsp	C.CERAMIC CHIP T.C COG)10PF-J/50V-1608REEL		D010100167161S	2		
C1079-1085	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	7		
C1086	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL		D011102177101S	1		
C1087-1090	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	4		
C1091-1093	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	3		
C1098	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	1		
C1099-1108	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	10		
C1113,1114	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1115	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1117,1118	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1125,1126	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1127	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1		
C1128-1130	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	3		
C1139,1140	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1141	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1142	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1		
C1143,1144	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		
C1145	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1		
C1150,1151	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1152-1155	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	4		
C1156	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	1		
C1157-1159	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	3		
C1160,1161	nsp	C.CERAMIC CHIP T.C COG)10PF-J/50V-1608REEL		D010100167161S	2		
C1162-1168	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	7		
C1169	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL		D011102177101S	1		
C1170,1171	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		
C1173	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1174	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL		D011102177101S	1		
C1176,1177	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		
C1179,1180	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1182,1183	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	2		
C1187,1188	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		
C1201	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL		D011102177101S	1		
C1202	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1203	nsp	C.CERAMIC CHIP HIK X7R)0.022UF-K/25V-1608REEL		D01122377160S	1		
C1286,1287	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		
C1288,1289	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL		D011103174101S	2		
C1292-1297	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL		D011103174101S	6		
C1298	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1305-1310	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	6		
C1317-1325	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	9		
C1327	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1330-1332	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	3		
C1334,1335	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		
C1336,1337	nsp	C.CERAMIC CHIP HIK COG)10PF-D/50V-1005REEL		D011100117101S	2		
C1339	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	1		
C1342	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	1		
C1344	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL		D0111475571160S	1		
C1346	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1348	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1349	nsp	C.CERAMIC CHIP HIK X7R)220PF-K/50V-1005REEL		D011221177101S	1		
C1350-1354	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	5		
C1355,1356	nsp	C.CERAMIC CHIP HIK COG 8PF-D/50V-1005REEL FENGHUA		D011080117101S	2		
C1357	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C1380	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L		D011106573200S	1		
C1385-1387	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	3		
C1388	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL		D011103174101S	1		
C1389,1390	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		
C1391	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L		D011106573200S	1		
C1392,1393	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C1394,1395	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1396	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21B61C106KE15L	D011106573200S	1		
C1402	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1403,1404	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1405	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1406	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1407,1408	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1409	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1410	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1411,1412	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1413	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1414	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1415,1416	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1417	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1418	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1419	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1420	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1421	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1422	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1423	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1424	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1425	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1426	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1427	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1428-1431	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	4		
C1432,1433	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1434	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1435,1436	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1437	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1438	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1439	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1440	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1441-1443	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	3		
C1444,1445	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1446-1448	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	3		
C1449,1450	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1451	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1452	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1453	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1454	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1455	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1456	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1457,1458	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1459,1460	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1461	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1462,1463	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1464,1465	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1466-1468	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	3		
C1469-1472	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	4		
C1473	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1474	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1475	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1476,1477	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1478-1480	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	3		
C1481-1483	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	3		
C1484	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1485,1486	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1487,1488	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1489,1490	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1491,1492	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1493	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1494	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1495,1496	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1497,1498	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1499	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1500,1501	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	2		
C1504,1505	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	2		
C1506,1507	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	2		
C1508	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1509	nsp	C.CERAMIC CHIP HIK COG)12PF-J/50V-1005REEL	D011120167101S	1		
C1510	nsp	C.CERAMIC CHIP HIK COG)10PF-D/50V-1005REEL	D011100117101S	1		
C1514	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1515-1517	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	3		
C1518-1522	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	5		
C1523	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1524,1525	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1526	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1527,1528	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1529-1532	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	4		
C1534	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1535	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1536	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1540	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1541	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1542	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1543	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1544	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1545	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1547	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1548	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1549	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1551	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1552	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1553	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1554	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1555	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1556-1561	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	6		
C1562-1565	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	4		
C1566	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1567	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1568	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1569	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1570	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1571	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C1575	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1576	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1577	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1580	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1581	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1582	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1583	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1585	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1586	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1587	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1588	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1589	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1590-1592	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	3		
C1593	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1594	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1595	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1596	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S	1		
C1597	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1598,1599	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	2		
C1600	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1607	nsp	C.CERAMIC CHIP HIK X7R 0.15uF-K/10V-1608REEL	D011154172160S	1		
C1608	nsp	C.CERAMIC CHIP HIK X7R)0.012UF-K/50V-1608REEL	D011123177161S	1		
C1609	nsp	C.CERAMIC CHIP HIK X7R 0.15uF-K/10V-1608REEL	D011154172160S	1		
C1610	nsp	C.CERAMIC CHIP HIK X7R)0.012UF-K/50V-1608REEL	D011123177161S	1		
C1611,1612	nsp	C.CERAMIC CHIP T.C COG7PF-D/50V-1608REEL	D010070117160S	2		
C1613	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1614	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1615	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1616	nsp	C.CERAMIC CHIP HIK COG)33PF-J/50V-1005REEL	D0111330167101S	1		
C1618	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1620	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
C1629-1644	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	16		
C1645	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
C1654-1671	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	18		
C1672	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1673	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1674	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1675	00D9630325402	C.ELECT CHIP(GE) 470UF-MVG/6.3V,8.3*9.0*10 REEL (Z8158) SY	D050471081200S	1		
C1676	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1677,1678	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1679	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C1680	963134501220S	C.ELECT CHIP(GE) 470UF-M/6.3V,8*10 RVO-6V471MG10P2U-R2 ELNA	D050471081330S	1		
C1681	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1684,1685	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1686	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1687	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1688	nsp	C.CERAMIC CHIP HIK COG)5PF-C/50V-1005REEL	D011050107101S	1		
C1689	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1690	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
C1691	00D9630338606	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C1693	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1694,1695	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1696	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1697	nsp	C.CERAMIC CHIP HIK COG)5PF-C/50V-1005REEL	D011050107101S	1		
C1698	nsp	C.CERAMIC CHIP HIK X5R)22UF-K/16V-1608REEL GRM188R61C225KE15D	D011225573160S	1		
C1699,1700	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1701	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1702	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1703	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
C1704	00D9630338606	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		
C1705	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1707	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1708	nsp	C.CERAMIC CHIP HIK X7R)0.015UF-K/50V-1608REEL	D011153777160S	1		
C1709,1710	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1713	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C1714	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1715	nsp	C.CERAMIC CHIP HIK COG)5PF-C/50V-1005REEL	D011050107101S	1		
C1717	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1718	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1719	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1720	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
C1722	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1723	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1724	nsp	C.CERAMIC CHIP HIK COG)5PF-C/50V-1005REEL	D011050107101S	1		
C1726	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1727	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1728	nsp	C.CERAMIC CHIP HIK X5R)22UF-K/16V-1608REEL GRM188R61C225KE15D	D011225573160S	1		
C1729	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1730	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1731	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1732	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
C1734	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1735	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1736	nsp	C.CERAMIC CHIP HIK COG)5PF-C/50V-1005REEL	D011050107101S	1		
C1737,1738	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1739	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1740	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1741	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
C1744	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1745	nsp	C.CERAMIC CHIP HIK COG)5PF-C/50V-1005REEL	D011050107101S	1		
C1746,1747	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1749	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1750	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1751,1752	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1753	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105772161S	1		
C1754	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	1		
C1755	nsp	C.CERAMIC CHIP HIK COG)5PF-C/50V-1005REEL	D011050107101S	1		
C1756,1757	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	2		
C1758	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C1759,1760	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S	2		
C1761,1762	nsp	C.CERAMIC CHIP HIK COG)5PF-C/50V-1005REEL	D011050107101S	2		
C1763,1764	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	2		
C1766,1767	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C1769	00D9630338606	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S	1		

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
C1770	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S		1		
C1771	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C1773-1775	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		3		
C1777	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S		1		
C1779	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S		1		
C1782,1783	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		2		
C1784	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C1785	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		1		
C1787	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S		1		
C1788	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		1		
C1789	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C1790	nsp	C.CERAMIC CHIP HIK X5R)22UF-M/6.3V-2012REEL JMK212BJ226MG-T	D011226581203S		1		
C1791	nsp	C.CERAMIC CHIP HIK COG)5PF-C/50V-1005REEL	D011050107101S		1		
C1796	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C1797	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S		1		
C1802	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C1807	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		1		
C1826-1828	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S		3		
C1852	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C1973,1974	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		2		
C1979,1980	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		2		
C1989-1992	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		4		
C1999,2000	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		2		
C2002-2011	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		10		
C2012,2013	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		2		
C2018,2019	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		2		
C2024	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		1		
C2025-2028	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		4		
C2029	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		1		
C2030,2031	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		2		
C2032	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		1		
C2033-2035	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		3		
C2036	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		1		
C2037-2041	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		5		
C2042-2044	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		3		
C2045-2050	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		6		
C2051	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S		1		
C2052	nsp	C.CERAMIC CHIP HIK COG)10PF-D/50V-1005REEL	D011100117101S		1		
C2055	nsp	C.CERAMIC CHIP HIK COG)10PF-D/50V-1005REEL	D011100117101S		1		
C2056	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S		1		
C2057	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2058,2059	00D9630338606	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S		2		
C2060,2061	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		2		
C2062	00D9630338606	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S		1		
C2063	nsp	C.CERAMIC CHIP T.C COG)12PF-G/50V-1005REEL GRM1555C1H120GA01D	D010120157100S		1		
C2064	nsp	C.CERAMIC CHIP T.C COG)15PF-G/50V-1005REEL GRM1555C1H150GA01D	D010150157100S		1		
C2065	nsp	C.CERAMIC CHIP T.C COG)0.068UF-J/50V-3216REEL GRM31C5C1H683JA01L	D010683167300S		1		
C2066	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2067	nsp	C.CERAMIC CHIP T.C COG)4700PF-J/50V-2012REEL GRM2165C1H472JA01D	D010472167200S		1		
C2068,2069	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		2		
C2070,2071	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/25V-1608REEL	D011104774161S		2		
C2072,2073	00D9630338606	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S		2		
C2074	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2076-2083	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		8		
C2084	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		1		
C2085	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		1		
C2086	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2088	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		1		
C2090-2102	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		13		
C2103	00D9630325305	C.ELECT CHIP(GE) 47UF-MVG/6.3V,4*3*5.1*5.3 REEL (Z8155) SY	D050470081460S		1		
C2104,2105	00D9630338606	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S		2		
C2106	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2110,2111	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		2		
C2112-2136	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S		25		
C2143	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S		1		
C2147	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2149	00D9630338606	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S		1		
C2150	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		1		
C2154	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		1		
C2156	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2159,2160	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D011105722161S		2		
C2161	nsp	C.CERAMIC CHIP HIK X5R)2.2UF-K/16V-1608REEL GRM188R61C225KE15D	D011225573160S		1		
C2163	00D9630325305	C.ELECT CHIP(GE) 47UF-MVG/6.3V,4*3*5.1*5.3 REEL (Z8155) SY	D050470081460S		1		
C2165	963134000450S	C.ELECT CHIP(GE) 100UF-MVG/16V,6.6*7.2*5.7 REEL (Z8157) SY	D050101083660S		1		
C2168,2169	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		2		
C2174,2175	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		2		
C2176	00D9630338606	C.ELECT CHIP(GE) 10UF-MVG/16V,3.3*3.7*5.2 REEL (Z8154) SY	D050100083470S		1		
C2177	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1005REEL	D011222177101S		1		
C2178,2179	nsp	C.CERAMIC CHIP HIK X5R)2.2UF-M/6.3V-1005REEL	D011225581100S		2		
C2181	nsp	C.CERAMIC CHIP HIK X7R)2200PF-K/50V-1005REEL	D011222177101S		1		
C2187-2192	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		6		
C2193	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		1		
C2194-2200	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		7		
C2201	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		1		
C2202	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S		1		
C2203-2208	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		6		
C2209	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		1		
C2210	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2211,2212	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		2		
C2213	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		1		
C2214	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2215	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		1		
C2216	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		1		
C2217	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S		1		
C2218-2220	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		3		
C2221	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		1		
C2222	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2223	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		1		
C2224	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2225-2228	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		4		
C2229	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		1		
C2230	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S		1		
C2231,2232	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D011475571160S		2		
C2234,2235	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S		2		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C2236,2237	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	2		
C2240-2243	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	4		
C2244-2246	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	3		
C2247	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2248,2249	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	2		
C2250,2251	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C2252,2253	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	2		
C2254	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2255	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D0111475571160S	1		
C2256,2257	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C2258	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C2259-2261	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	3		
C2262-2268	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	7		
C2269	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D0111475571160S	1		
C2271,2272	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C2273,2274	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	2		
C2275,2276	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C2277-2280	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	4		
C2281	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D0111475571160S	1		
C2282-2284	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	3		
C2285-2290	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	6		
C2291	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D0111475571160S	1		
C2292	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2293	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C2294	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D0111475571160S	1		
C2295-2297	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	3		
C2298,2299	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	2		
C2300	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D0111475571160S	1		
C2301-2303	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	3		
C2304	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C2305	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D0111475571160S	1		
C2307	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2308	nsp	C.CERAMIC CHIP HIK X7R)0.01UF-K/25V-1005REEL	D011103174101S	1		
C2309	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D0111475571160S	1		
C2311,2312	nsp	C.CERAMIC CHIP HIK X7R)4.7UF-K/6.3V-1608REEL	D0111475571160S	2		
C2320	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/25V-1005REEL	D011104774161S	1		
C2322	nsp	C.CERAMIC CHIP T.C COG8PF-D/50V-1608REEL	D010080117160S	1		
C2323	nsp	C.CERAMIC CHIP T.C COG7PF-D/50V-1608REEL	D010070117160S	1		
C2325	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL	D0111057272161S	1		
C2327	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C2340	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1005REEL	D011102177101S	1		
C2341	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C6000	nsp	C.CERAMIC CHIP HIK COG)27PF-J/50V-1005REEL	D011270167101S	1		
C6001	nsp	C.CERAMIC CHIP HIK COG)22PF-J/50V-1005REEL	D011220167101S	1		
C6002	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
C6003,6004	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	2		
C6005,6006	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/6.3V-1005REEL	D011105771100S	2		
C6007	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL	D011104177101S	1		
C6008	nsp	C.CERAMIC CHIP HIK X5R)10UF-K/16V-2012REEL GRM21BR61C106KE15L	D011106573200S	1		
OTHER PARTS GROUP						
CLP1000-1002	nsp	CLAMP HMX9800(ON)(HAI)TAI (W=2.6,L=50)/WIRE(SOLDER)	4330000120000S	3		
CP6001	nsp	CN.WIRE 2MM 460MM/11P 20010HS-11=CKM2002HV-11 RD2725#24,28 SHL	L002461110010S	1		
BKT1000,1001	nsp	BRACKET AVRX2100BKE3 SPPC 0.5 Sn-Plating A4/SCREW L10	4010216016000S	2		
K1001	00D9630244703	JACK,D3.5 EARPHONE JACK PJ-308-02	G40130802000YS	1		
K1002	963646012340S	TER,RCA 2PIN RCA-206A-07 NI SHIELD(BK,BK)	G601206A0700YS	1		
L1000-1013	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	14		
L1016	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	1		
L1017,1018	nsp	COIL,CHIP DLW21SN900HQ2L COMMON MODE CHOKE COILS SMD2012	D311201219000S	2		
L1019	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	1		
L1027-1030	nsp	R,CHIP THICK 0-J,1/10W-2012REEL	C200000060200S	4		
L1034-1036	nsp	R,CHIP THICK 0-J,1/10W-2012REEL	C200000060200S	3		
L1037-1049	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	13		
L1051-1057	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	7		
L1058	nsp	COIL,BEAD CB03YTYN121-1608REEL	D340160891210S	1		
L1059-1077	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	19		
L1080-1088	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	9		
L1089	nsp	COIL,BEAD CB03YTYN121-1608REEL	D340160891210S	1		
L1090-1106	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	17		
L1109-1115	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	7		
L1119	nsp	COIL,CHIP EXC24CH900U 90OHM COMMON MODE SMD-REEL	D311121089000S	1		
L1123	nsp	COIL,CHIP EXC24CH900U 90OHM COMMON MODE SMD-REEL	D311121089000S	1		
L1124-1127	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	4		
L1136	nsp	R,CHIP THICK 0-J,1/10W-2012REEL	C200000060200S	1		
L6000,6001	nsp	COIL,BEAD CB05YTYH221-2012REEL	D340201292210S	2		
L6002	nsp	R,CHIP THICK 0-J,1/10W-2012REEL	C200000060200S	1		
N1000	nsp	CN.FPC 1.0MM 1.0-16-23PB-2 23P ST SMT (JSY)	L130100162330S	1		
N1001-1007	963643102850S	CN.WAFER HD 19F SMT-028 19P SMT HDMICON WITH FLANGE	L109100190280S	7		
N1009	nsp	CN.FPC 1.0MM 1.0-16-7PB-2 7P ST SMT (JSY)	L130100160730S	1		
N1010	963643102800S	JACK,MODULAR RJ45-JACK(KRJ-015XXNL) KYD	G4060RJ450230S	1		
N1011	nsp	CN.FPC 1.0MM 1.0-16-7PB-2 7P ST SMT (JSY)	L130100160730S	1		
N1013	nsp	CN.WAFER 1.25B-2-7Y 7P BtoB SOCKET(FEMALE) P=1.25MM	L109125420710S	1		
N1014	nsp	CN.WAFER 1.25B-2-23Y 23P BtoB SOCKET(FEMALE) P=1.25MM	L109125422310S	1		
N1015	nsp	CN.WAFER 1.25B-2-15Y 15P BtoB SOCKET(FEMALE) P=1.25MM	L109125421510S	1		
N1016	nsp	CN.WAFER 1.25B-2-23Y 23P BtoB SOCKET(FEMALE) P=1.25MM	L109125422310S	1		
N1017	nsp	CN.FPC 1.0MM 1.0-15-40PB 40P VER SMT	L130100154030S	1		
N1018	nsp	CN.WAFER 1.25B-2-17Y 17P BtoB SOCKET(FEMALE) P=1.25MM	L109125421710S	1		
N1019	nsp	CN.WAFER 2.0MM 20010WS-07A00 DIP7P STRAIGHT	L101200100710S	1		
N1021	nsp	CN.FPC 1.0MM 1.0-16-11PB-2 11P ST SMT (JSY)	L130100161130S	1		
N1025	nsp	CN.FPC 1.0MM 1.0-16-11PB-2 11P ST SMT (JSY)	L130100161130S	1		
N1026	963643102860S	CN.WAFER HD 19F SMT-029 19P SMT HDMICON W/O FLANGE	L109100190290S	1		
N1027	nsp	CN.FPC 1.0MM 1.0-16-10PB-2 10P ST SMT (JSY)	L130100161030S	1		
N1028	nsp	CN.FPC 1.0MM 1.0-16-7PB-2 7P ST SMT (JSY)	L130100160730S	1		
N1029	nsp	CN.WAFER 2.5MM SMW250-5P DIP ST	L102050010040S	1		
N1030,1031	963643102850S	CN.WAFER HD 19F SMT-028 19P SMT HDMICON WITH FLANGE	L109100190280S	2		
N1032	nsp	CN.FPC 1.0MM 1.0-16-7PB-2 7P ST SMT (JSY)	L130100160730S	1		
N1033	nsp	CN.WAFER 1.25B-2-11Y 11P BtoB SOCKET(FEMALE) P=1.25MM	L109125421110S	1		
N1034	nsp	CN.FPC 1.0MM 1.0-16-6PB-2 6P ST SMT (JSY)	L130100160630S	1		
N1035	nsp	CN.FPC 1.0MM 1.0-16-7PB-2 7P ST SMT (JSY)	L130100160730S	1		
N1036	nsp	CN.WAFER 2.0MM 20010WS-04A00 DIP4P STRAIGHT	L101200100410S	1		
N1038	nsp	CN.FPC 1.0MM 1.0-16-23PB-2 23P ST SMT (JSY)	L130100162330S	1		
SW1	nsp	CN.WAFER 2.0MM C12001-2020-03G-2537 HEADER P=2.0MM	L101012000310S	1		
X1000,1001	963141101180S	CRYSTAL CHIP 27.000MHz CL=7PFF FA-238/SMD3225 EPSON	E80527R000050S	2		
X1003,1004	963141101160S	CRYSTAL CHIP 12.000MHz CL=8PFF FA-238V/SMD3225 EPSON	E80512R000260S	2		
X1005	963141101170S	CRYSTAL CHIP 21.875MHz CL=8PFF FA-238/SMD3225 EPSON	E80521R875260S	1		

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
X1006,1007	963141101180S	CRYSTAL CHIP 27.000MHz CL=7PF FA-238/SMD3225 EPSON		E80527R000050S	2		
X1008	963141100770S	CRYSTAL CHIP 24.576MHz CL=10PF FA-238/SMD3225 EPSON		E80524R576050S	1		
X1009	963141101180S	CRYSTAL CHIP 27.000MHz CL=7PF FA-238/SMD3225 EPSON		E80527R000050S	1		
X6000	963141101190S	CRYSTAL CHIP 32.768KHz CL=12.5PF FC-135/SMD3215 EPSON		E80532R768260S	1		
Z1001	nsp	SHIELD SR5005U1BSPT E 0.3 A4/CASE		3070210646000S	1		
★	nsp	PIN JUMPER MINI JUMPER 2.00MM		L424010280210S	1		

HDAM PCB ASS'Y

※Parts indicated by "nsp" on this table cannot be supplied.

※The parts listed t NOTE: The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D4020-4035	963201500170D	D.SWITCHING CHIP LBAS16HT1G FAST SWITCHING SOD-323		K005041480230S	16	
Q4050,4051	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	2	
Q4052-4055	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	4	
Q4056-4059	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	4	
Q4060-4063	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	4	
Q4064-4067	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	4	
Q4068-4071	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	4	
Q4072-4075	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	4	
Q4076-4079	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	4	
Q4080-4083	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	4	
Q4084-4087	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	4	
Q4088-4091	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	4	
Q4092-4095	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	4	
Q4096,4097	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	2	
Q4098	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4099,4100	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	2	
Q4101	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4102	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
Q4103,4104	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	2	
Q4105	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
Q4106	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4107,4108	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	2	
Q4109	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4110	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
Q4111,4112	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	2	
Q4113,4114	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	2	
Q4115	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4116	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
Q4117,4118	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	2	
Q4119	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
Q4120	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4121	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
Q4122	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4123	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
Q4124	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4125	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
Q4126	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4127	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
Q4128	00D2730464901	SEMI.CHIP TR/NPN 2SC KTC3875G(ALG) 0.15W/SMT-REEL		J5223875G0210S	1	
Q4129	00D9630148508	SEMI.CHIP TR/PNP 2SA KTA1504S-Y 0.15W SOT-23 REEL		J520015040150S	1	
RESISTOR GROUP						
R4155	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4158	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4161,4162	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R4163,4164	nsp	R.CHIP THICK 330-J,1/16W-1608REEL		C20003316M160S	2	
R4165,4166	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2	
R4167,4168	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4169,4170	nsp	R.CHIP THICK 220-J,1/16W-1608REEL		C20002216M160S	2	
R4171-4174	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	4	
R4175	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	1	
R4176	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	1	
R4177	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	1	
R4178,4179	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4180	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	1	
R4181,4182	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL		C20001056M160S	2	
R4183,4184	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL		C20003336M160S	2	
R4185,4186	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4187,4188	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2	
R4189,4190	nsp	R.CHIP THICK 330-J,1/16W-1608REEL		C20003316M160S	2	
R4191-4194	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	4	
R4195,4196	nsp	R.CHIP THICK 330-J,1/16W-1608REEL		C20003316M160S	2	
R4197,4198	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2	
R4199,4200	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4201	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL		C20001056M160S	1	
R4202	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	1	
R4203	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL		C20001056M160S	1	
R4205,4206	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL		C20003336M160S	2	
R4207,4208	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	2	
R4209,4210	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2	
R4211,4212	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4213,4214	nsp	R.CHIP THICK 220-J,1/16W-1608REEL		C20002216M160S	2	
R4215-4218	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	4	
R4219,4220	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2	
R4221,4222	nsp	R.CHIP THICK 330-J,1/16W-1608REEL		C20003316M160S	2	
R4223,4224	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R4225-4228	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	4	
R4229	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4230,4231	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2	
R4232	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4233,4234	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4235	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4236,4237	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4238	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1	
R4239,4240	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4241,4242	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R4243,4244	nsp	R.CHIP THICK 330-J,1/16W-1608REEL		C20003316M160S	2	
R4245,4246	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2	
R4247,4248	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4249,4250	nsp	R.CHIP THICK 220-J,1/16W-1608REEL		C20002216M160S	2	
R4251	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	1	
R4252	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	1	
R4253,4254	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2	
R4255	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	1	
R4256	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	1	

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
R4257	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	1		
R4258-4260	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	3		
R4261,4262	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL		C20001056M160S	2		
R4263,4264	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL		C20003336M160S	2		
R4265,4266	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2		
R4267,4268	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2		
R4269,4270	nsp	R.CHIP THICK 330-J,1/16W-1608REEL		C20003316M160S	2		
R4271-4274	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	4		
R4275,4276	nsp	R.CHIP THICK 330-J,1/16W-1608REEL		C20003316M160S	2		
R4277,4278	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2		
R4279,4280	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2		
R4281	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL		C20001056M160S	1		
R4282	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	1		
R4283	nsp	R.CHIP THICK 1M-J,1/16W-1608REEL		C20001056M160S	1		
R4284	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	1		
R4285,4286	nsp	R.CHIP THICK 33K-J,1/16W-1608REEL		C20003336M160S	2		
R4287,4288	nsp	R.CHIP THICK 150-J,1/16W-1608REEL		C20001516M160S	2		
R4289	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	1		
R4290-4292	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	3		
R4293,4294	nsp	R.CHIP THICK 220-J,1/16W-1608REEL		C20002216M160S	2		
R4295-4298	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	4		
R4299,4300	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2		
R4301,4302	nsp	R.CHIP THICK 330-J,1/16W-1608REEL		C20003316M160S	2		
R4303,4304	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2		
R4305,4306	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2		
R4307,4308	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2		
R4309	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1		
R4310,4311	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2		
R4312	nsp	R.CHIP THICK 100-J,1/16W-1608REEL		C20001016M160S	1		
R4313,4314	nsp	R.CHIP THICK 0-J,1/10W-1608REEL		C200000060161S	2		
R4315	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	1		
R4316,4317	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2		
R4318,4319	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2		
R4320,4321	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2		
R4322-4325	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	4		
R4326,4327	nsp	R.CHIP THICK 5.6K-J,1/16W-1608REEL		C20005626M160S	2		
R4328,4329	nsp	R.CHIP THICK 22-J,1/16W-1608REEL		C20002206M160S	2		
CAPACITORS GROUP							
C4071,4072	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	2		
C4073-4076	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL		D010221167160S	4		
C4077-4084	963134501750S	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY		D040221084600S	8		
C4085-4088	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL		D010221167160S	4		
C4089,4090	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	2		
C4103,4104	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	2		
C4105-4108	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL		D010221167160S	4		
C4109-4116	963134501750S	C.ELECT GE 85C 220UF-M/25V,6*11(SHL TYPE) SY		D040221084600S	8		
C4117-4120	nsp	C.CERAMIC CHIP T.C COG220PF-J/50V-1608REEL		D010221167160S	4		
C4121,4122	00D2544573981	C.ELECT GE 85C 10UF-M/50V,5*11-5RE.SMS SY		D040100087070S	2		
OTHER PARTS GROUP							
CN4605	nsp	CN.WAFER 1.25B-2-17Y 17P BtoB SOCKET(FEMALE) P=1.25MM		L109125421710S	1		
CN4703	nsp	CN.WAFER 1.25B-2-7Y 7P BtoB SOCKET(FEMALE) P=1.25MM		L109125420710S	1		
CN4704	nsp	CN.WAFER 1.25B-2-15Y 15P BtoB SOCKET(FEMALE) P=1.25MM		L109125421510S	1		

PREOUT PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed t NOTE:The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
Q5616-5624	943214500030S	SEMI.CHIP TR/NPN 2SC INC2001AC1 0.2W/SC-59 ISAHAYA		J522020011210S	9	
RESISTOR GROUP						
R5600-5607	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	8	
R5608-5615	nsp	R.CHIP THICK 820K-J,1/16W-1608REEL		C20008246M160S	8	
R5616	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R5619,5620	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		L045084006040S	2	
R5623,5624	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		L045084006040S	2	
R5626	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R5629	nsp	CN.WIRE 1P JUMPER (0.6/52MM)		L045084006040S	1	
R5638-5646	nsp	R.CHIP THICK 470K-J,1/16W-1608REEL		C20004746M160S	9	
R5647	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	1	
R5650,5651	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R5654,5655	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R5657	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	1	
R5660,5661	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R5664,5665	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R5666,5667	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	2	
R5668,5669	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R5670,5671	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	2	
R5672,5673	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R5674	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	1	
R5675	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	1	
R5676,5677	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	2	
R5678,5679	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	2	
R5680,5681	nsp	R.CHIP THICK 10K-J,1/16W-1608REEL		C20001036M160S	2	
R5682	nsp	R.CHIP THICK 470-J,1/16W-1608REEL		C20004716M160S	1	
R5683-5700	nsp	R.CHIP THICK 100K-J,1/16W-1608REEL		C20001046M160S	18	
R5701-5709	nsp	R.CHIP THICK 220-J,1/16W-1608REEL		C20002216M160S	9	
CAPACITORS GROUP						
C5600-5603	nsp	C.CERAMIC CHIP HIK X7R)1000PF-K/50V-1608REEL		D011102777160S	4	
C5604-5611	nsp	C.CERAMIC CHIP T.C COG330PF-J/50V-1608REEL		D010331167160S	8	
C5620-5637	00D9630224503	C.ELECT GE 85C 22UF-M/50V.5*11-5RE.SMS SY		D040220087060S	18	
C5638-5646	nsp	C.CERAMIC CHIP T.C COG330PF-J/50V-1608REEL		D010331167160S	9	
C5647-5651	nsp	C.CERAMIC CHIP T.C X7R)0.01UF-K/50V-1608REEL		D010103777160S	5	
OTHER PARTS GROUP						
CN5600	nsp	CN.WIRE 2MM 200MM/13P 20010HS-13=CKM2002HV-13 WH1007#26		L002201130010S	1	
CN5601	nsp	CN.WAFER 1.25B-2-21Y 21P BtoB SOCKET(FEMALE) P=1.25MM		L109125422110S	1	
CN5602	nsp	CN.WAFER 1.25B-2-15Y 15P BtoB SOCKET(FEMALE) P=1.25MM		L109125421510S	1	
CP5604,5605	nsp	CN.WAFER 1.25B-2-15A 15P BtoB HEADER(MALE) P=1.25MM		L109125321510S	2	
JACK5611	00D9630132103	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU		G602405B0400YS	1	
JACK5612	00D9630146005	TER,RCA 1PIN RCA-107A(BK)		G600107A0000YS	1	
JACK5613	00D9630387505	TER,RCA 4PIN RCA-405B-55(WH,WH,RD,BK)-YUQIU		G602405B5500YS	1	
JACK5614	00D9630132103	TER,RCA 4PIN RCA-405B-04(WH,WH,RD,RD)-YUQIU		G602405B0400YS	1	
JACK5615	00D9630387505	TER,RCA 4PIN RCA-405B-55(WH,WH,RD,BK)-YUQIU		G602405B5500YS	1	

CX870_MID PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed t NOTE:The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
SEMICONDUCTORS GROUP							
U7000	963239101360S	IC.LOGIC-INTERFACE BD82065FVJ CURRENT LIMIT 2.4A TSSOP-B8J		J046820650010S	1		
RESISTOR GROUP							
R7002,7003	nsp	R.CHIP THICK 0-J,1/10W-2012REEL		C200000060200S	2		
R7004	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL		C20001036M111S	1		
R7006,7007	nsp	R.NETWORK A-TYPE 0J*4 1/16W SMD(1005)		C180000040500S	2		
R7008,7009	nsp	R.CHIP THICK 0-J,1/16W-1005REEL		C20000006M101S	2		
R7010	nsp	R.NETWORK A-TYPE 0J*4 1/16W SMD(1005)		C180000040500S	1		
R7011-7013	nsp	R.CHIP THICK 0-J,1/16W-1005REEL		C20000006M101S	3		
R7014	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL		C20001036M111S	1		
R7015	nsp	R.CHIP THICK 0-J,1/16W-1005REEL		C20000006M101S	1		
R7016	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL		C20001036M111S	1		
R7021	nsp	R.CHIP THICK 10K-J,1/16W-1005REEL		C20001036M111S	1		
R7025-7027	nsp	R.CHIP THICK 0-J,1/16W-1005REEL		C20000006M101S	3		
R7028-7035	nsp	R.CHIP THICK 0-J,1/16W-1608REEL		C20000006M160S	8		
R7036,7037	nsp	R.CHIP THICK 2.2K-J,1/16W-1005REEL		C20002226M101S	2		
R7038	nsp	R.CHIP THICK 0-J,1/16W-1005REEL		C20000006M101S	1		
R7041	nsp	R.CHIP THICK 0-J,1/16W-1005REEL		C20000006M101S	1		
R7048-7052	nsp	R.CHIP THICK 0-J,1/16W-1005REEL		C20000006M101S	5		
R7053	nsp	R.NETWORK A-TYPE 0-J*2 1/16W SMD(1005) WA04Y	U	C180000022100S	1		
CAPACITORS GROUP							
C7000	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C7005	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	1		
C7006-7010	nsp	C.CERAMIC CHIP HIK X7R)10UF-K/6.3V-2012REEL		D011106771201S	5		
C7013,7014	nsp	C.CERAMIC CHIP HIK X7R)0.1UF-K/16V-1005REEL		D011104177101S	2		
C7015,7016	nsp	C.CERAMIC CHIP HIK X7R)1UF-K/10V-1608REEL		D011105772161S	2		
OTHER PARTS GROUP							
CLP7000	nsp	CLAMP HMX9800(ON)(HAITAI) (W=2.6,L=50)/WIRE(SOLDER)		4330000120000S	1		
★	nsp	SCREW,TAP TITE +3S 3X8 B-TYPE BK/FH		B020930083F10S	1		
★	nsp	SCREW,TAP TITE +3S 3*8 BK/BH		B020930083B10S	3		
BKT7000,7001	nsp	BRACKET AVRX2100BKE3 SPCC t0.5 Sn-Plating A4/SCREW L4.5		4010216006000S	2		
L7000,7001	nsp	COIL,BEAD CB05YTYH221-2012REEL		D340201292210S	2		
L7002	nsp	DLW21SN181SQ2L COMMON MODE CHOKE COILS SMD2012	N, K	D311201211810S	2		
N7000	nsp	CN.WIRE 2MM 160MM/4P 20010HS-04=CKM2002HR-04 WH1007#26		L002161042630S	1		
N7001	nsp	CN.FPC 0.5MM 14-5046-120-645-829+ BD TO BD CON 120P WITH TAPE		L136504601260S	1		
N7002	nsp	CN.WAFER 2.0MM 20010WR-05A00 DIP5P RIGHT ANGLE		L101200100520S	1		
N7003,7004	nsp	CN.WAFER FEMALE HEADER 1.27MM 32*2P CSEC202-3202 B001 C1 AF		L109020232020S	2		
N7005	nsp	CN.WAFER 2.0MM 20010WR-11A00 DIP11P RIGHT ANGLE		L101200101120S	1		

EXPLODED

※Parts indicated by "nsp" on this table cannot be supplied.

※The parts listed t NOTE: The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver	
P4	nsp	PCB FRONT ASSY		7025HK1315011	1		
└P1	-	PCB H/P ASSY		7028075033010	1		
└P3	-	PCB USB ASSY		7028075032010	1		
└P5	-	PCB GUIDE R		7028075035010	1		
└P9	-	PCB GUIDE TOP		7028075036010	1		
└P10	-	PCB GUIDE L		7028075034010	1		
└P11	-	PCB F/HDMI GUIDE		7028075037010	1		
P7	nsp	PCB HDAM ASSY		7025HK1315017	1		
P8	nsp	PCB AMP ASSY		7025HK1315015	1		
P12	nsp	PCB MAIN U	U	7025HK1315010	1		
P12	nsp	PCB MAIN N	N	7025HK1315020	1		
P12	nsp	PCB MAIN K	K	7025HK1315040	1		
└P15	-	PCB RS232		7028074922060	1		
└P17	-	PCB RS CNT		7028074923060	1		
P13	nsp	PCB INPUT		7025HK1315013	1		
P16	9U6391014100M	PCB HDMI ASSY	U	7025HK1315016	1	*	
P16	9U6391014200M	PCB HDMI ASSY	N	7025HK1315026	1	*	
P16	9U6391014300M	PCB HDMI ASSY	K	7025HK1315046	1	*	
└P2	-	PCB FRONT HDMI ASSY		7028075082010	1		
└P23	-	PCB BLUETOOTH ASSY		7028075083010	1		
P18	nsp	PCB SMPS ASSY	U	7028-07496-106-0	1		
P18	nsp	PCB SMPS ASSY	N	7028-07496-107-0	1		
P18	nsp	PCB SMPS ASSY	K	7028-07496-109-0	1		
P19	nsp	PCB VIDEO ASSY		7025HK1315012	1		
└P14	-	PCB FRONT CNT		7028074942060	1		
P20	nsp	PCB PREOUT ASSY		7025HK1315018	1		
└P6	-	PCB INPUT-HDAM CNT		7028075012010	1		
P21	963639101400S	PCB CX870 MIDDLE ASSY / NR1605	U	7025HK131501A	1	2	
P21	963639101860S	PCB CX870 MIDDLE ASSY / NR1605	N, K	7025HK131503A	1	2	
P22	963189100730M	PCB CX870 MODULE U	U	895250090010	1	*	
P22	963189100740M	PCB CX870 MODULE N	N	895250090020	1	*	
P22	963189100750M	PCB CX870 MODULE K	K	895250090030	1	*	
1	963412100780M	KNOB NR1403U1B /VOLUME KNOB	BK	5080212691000S	2		
1	963412100790M	KNOB NR1403N1SG / VOLUME KNOB	SG	5087212691100S	2		
2	963421006200M	BADGE NR1501FB(MARANTZ) SILVER/GRAY 11c AL		5630210678000S	1		
3	943424100270M	DECORATION RING SR-5006(U1B) ABS BK(CGR1A526B37) A3	BK	5127210981000S	2		
3	943424100280M	DECORATION RING SR-5006 SG	SG	5127210981100S	2		
4	00M108W355010	LENS POWER SR5005U1B(MARANTZ)(CGL1A231) PMMA HI-855M A4		3710211083000S	1		
5	411510021005M	BUTTON POWER NR1501FB(MARANTZ) ABS BK HF380-9001 TACT	BK	5090213961000S	1		
5	963411012000M	BUTTON POWER NR1501SG	SG	5097213961100S	1		
6	943423100290M	LENS BUTTON SR5006U1B(MARANTZ) PMMA(CGL1A294) A4		3710211183000S	2		
7	416510046009M	WINDOW SR5006U1B(MARANTZ) PMMA(CGU1A455) A3/DISPLAY		5070213183000S	1		
8	416510047101M	SHEET WINDOW SR-5006 PC CLEAR t10(CGX1A449Y) A3		1217211562000S	1		
9	943424100250M	HOLDER WINDOW SR5006U1B(MARANTZ) ABS BK(CGR1A525) A3/	BK	4320211091000S	1		
9	943424100260M	HOLDER WINDOW	SG	4320211091100S	1		
10	nsp	DECORATION SR5006N1SG(MARANTZ) ABS BK(CMH1A320) A3/WINDOW		5120210991000S	1		
11	nsp	PLATE SR5006U1B(MARANTZ) CUS t02(CMC1A426) A4/RCA		4470212216000S	1		
12	nsp	PLATE SR5006U1B(MARANTZ) CUS t02(CMC1A425) A4/USB		4470212206000S	1		
13	943411101410M	BUTTON 9KEY SR-5006(U1B) ABS BK(CBT1A1158B37) A3/	BK	5097214711000S	1		
13	943411101420M	BUTTON 9KEY	SG	5097214711100S	1		
14	nsp	HOLDER REMOCON SR5006U1B(MARANTZ) ABS BK(CMH1A321) A4/		4320211081000S	1		
15	481510019100M	LENS SR5006U1B(MARANTZ) PMMA(CGU1A460) A4/REMOCON		3710211173000S	1		
16	963402104610M	PANEL FRONT SR-5009(U1B) (MARANTZ) ABS BK A1/	U1B	3067215281240S	1	*	
16	963402104620M	PANEL FRONT SR-5009(N1B/K1B)	N1B, K1B	3067215281250S	1	*	
16	963402104630M	PANEL FRONT SR-5009(N1SG)	SG	3067215281320S	1	*	
17	943419100320M	COVER ASSY RCA BK SR5007U1B(MARANTZ) ABS+PA6 A3/	BK	4318215411010	1		
17	943419100330M	COVER ASSY RCA SG	SG	4318215411110	1		
19	nsp	CLAMP ACM393(AKA) DARB-2(W=45,L=50)/WIRE(MTG)		4330000310000S	1		
20	nsp	CUSHION AVR1911BKE3(DENON) RUBBER(HARDNESS50~70)BK/SCREW		4050213025000S	3		
21	nsp	CUSHION AVRE400BKE3(DENON) EVA60X60X45 BK/CABINET SIDE		4050214795000S	2		
22	00M32CW107010	CUSHION FOOT NR1605U1BFELT+EEA(BK)A4/		4050215145000S	4		
23	00M243W057210	FOOT NR1605U1B(MARANTZ) ABS/FOOT (ANAM COM)		4007210841000S	4		
24	nsp	CHASSIS SR5009U1B SECC t10 A1/MAIN		3200214626300S	1		
25	nsp	SUPPORTER UPAF07 ABS BK/PCB		4070001601010S	2		
26	nsp	CUSHION AVR2313CIBKE3(DENON) EVA10t 20X15 BK/FRONT FFC		4050214335000S	1		
27	nsp	TAPE SR5008U1B(MARANTZ) ACETATE TAPE(4*8)A4/9KEY		1220211639000S	4		
28	nsp	CHASSIS SR5009U1B SECC 06 A1/BACK	U	3207214896500S	1		
28	nsp	CHASSIS SR5009N	N	3207214896510S	1		
28	nsp	CHASSIS SR5009K	K	3207215896520S	1		
29	nsp	SHEET RATING CHASSIS Teflon t006 A4		1210211909000S	1		
30	nsp	SHEET HIMELON SR5006U1BHIMELON 10*70*t035 A4		1210211629000S	3		
!	31	963101102450M	POWER TRANS SR5009 U1B(MARANTZ) 120V/60HZ 96*65/MAIN SEOUL	U	8200960650140S	1	*
!	31	963101102460M	POWER TRANS SR5009 N	N	8200960650150S	1	*
!	31	963101102470M	POWER TRANS SR5009 K	K	8200960650160S	1	*
32	nsp	BRACKET R925 SECC 10T/H SINK		4010056906010S	5		
33	nsp	HEAT SINK AVRE400BKE3(DENON) AL6063S-T5 FIN(t05)(t4) TITop		212021204800TS	1		
34	nsp	SHEET NR1601U1B(MARANTZ) PC 03t DARD GRAY/TOP SHEET		1210211362000S	1		
35	nsp	WASHER CM6001 F1B(MARANTZ) 275*65*045/TOOTHED		1530210126000S	3		
42	nsp	BRACKET AVR1911BKE3(DENON) SECC t10 A4 /SMPS		401021488600DS	1		
43	963403101100D	CABINET TOP AVRX2100WBKE3(DENON) AVR-X2100WBKE3(DENON) SECC t	BK	3007212026100S	1		
43	963403101110D	CABINET TOP	SG	3007212026110S	1		
44	nsp	SPEAKER REAR SHEET SHEET SR-5008 (U1B) PC(Clear T02) A4/		1217212389000S	1		
45	nsp	CUSHION AVRS900WBKE3(DENON) EVA(BK) HD(20-25) A4/CX870		4050215205000S	1		
46	963419100910S	BUSHING AVRX2100WBKE3ABS(HB)(CMH1A357) A4/WIFI ANT		2410210161000S	2		
47	963419100920S	HOLDER AVRX2100WBKE3ABS(HB)(CMH1A358) A3/WIFI ANT		4320211391000S	2		
48	963419100930S	SUPPORTER AVRX2100WBKE3ABS(HB)(CMH1A360) A3/WIFI ANT		4070212301000S	2		
49	963116100530S	WIFI ANT(L) : wire 450mm		E600506600010S	1		
50	963116100540S	WIFI ANT(R) : wire 300mm		E600505600010S	1		
Q404	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
Q410	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
Q416	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
Q422	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
Q428	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
Q434	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
Q440	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
Q446	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
Q452	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
Q458	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
Q464	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
Q470	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
Q476	00D9630235301	TR 2SD2560Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5032560Y0170S	1		
Q482	00D9630235204	TR 2SB1647Y 130W 15A (2SD2390-Y and 2SB1560-Y is one pair parts.)		J5011647Y0170S	1		
Q409	963219003340S	SEMI,TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
Q421	963219003340S	SEMI,TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
Q433	963219003340S	SEMI,TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
Q445	963219003340S	SEMI,TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
Q457	963219003340S	SEMI,TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
Q469	963219003340S	SEMI,TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
Q481	963219003340S	SEMI,TR/GE NPN 2SC KTC3964/TO126S-BULK		J502396400010S	1		
★	nsp	HEAT SINK ASSY SR5008U1B(MARANTZ)AL6063S-T5(H:100)/MAIN		212821204800T	1		
★	nsp	SCREW,TAPPING ASSY +2S 3*14 P(Φ6)+S-WASHER(DA CHENG) ZNY/HH		B018230141H11D	21		
★	nsp	PLATE SR5009U1BSPTTE t02 A4/HDMI GND		4470212936000S	1		
★	nsp	CUSHION SR5009U1B(MARANTZ) EVA(BK) HD(20~25) 105*105*11		4050215355000S	1		
★	963606502490S	CABLE,FLAT CARD SHIELD 10MM 10*40*210*A(4/4/8/8)*(0035*065) AL SHIELD		N713402112480S	1	*	
★	963606502500S	CABLE,FLAT CARD SHIELD 10MM 10*23*240*A(4/4/8/8)*(0035*065) (AC+AL) SHIELD		N713232412480S	1	*	
SCREW							
A	nsp	SCREW,TAP TITE +2S 3*10 B-TYPE ZNW/BH		B020030101B10S	31		
B	nsp	SCREW,TAP TITE +2S 3*6(ROUND) BK/BH		B020230063B10S	7		
C	nsp	SCREW,TAP TITE () +2S 3*8 B-TYPE(DA CHENG) ZNW/BH		B020030081B10D	10		
C	nsp	SCREW,TAP TITE () +2S 3*8 B-TYPE(DA CHENG) ZNW/BH		B020030081B10D	26		
D	nsp	SCREW +2S 3*8 ZnY WASHER PI12		1500001456010S	1		
G	nsp	SCREW,TAP TITE ASSY +3S 4*10 P+S-WASHER(ROUND)BK/BH		B028940101B11S	4		
I	nsp	SCREW,TAP TITE +2S 3*17 B-TYPE ZNW/BH		B020030171B10S	2		
J	nsp	SCREW AVR3300(E3)(DENON) +2S 4*8 B-TYPE(DOT) BK/BH		1500040083B10S	8		
K	nsp	SCREW,TAP TITE AVR3300(E3)(DENON) +2S 3*10 B-TYPE(DOT) BK/BH		B020030103B11S	27		
L	nsp	SCREW,TAP TITE DNC635(D&M PRO)0RD4737015005+3S 3X6(DOT)CBTS(S)-B		B020930063B10S	10		
★	nsp	CLAMP CABLE TIE DACT-100A		4330040343010S	7		
★	nsp	SHEET AVR1913BKE3(DENON) Teflon t006 A4/RATING CHASSIS		1210211909000S	1		
★	nsp	GASKET AVR3311CIBKE3(DENON) CONDUCTIVE FA10X14Xt2/EARTH		4400210609000S	1		
★	nsp	SPRING NR1605U1BSUS304 PI12 Bore PI74 A4/KNOB		3720210576000S	2		
★	nsp	SCREW,TAP TITE +2S 3*8 B-TYPE ZNW/BH		B020030081B10S	4		
★	nsp	TAPE D-XW33(J)(DENON) NO 156(15*70)(A4)/ACETATE CLOTH		1220210129300S	3		

PACKING

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed t NOTE:The symbols in the column Remarks indicate the following destinations.

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

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
1	nsp	SR5009		-	1		
2	nsp	PE,SHEET Warning 28 Language NITRON 750*1460/SET		6327040059000S	1		
3	30701016800AD	REMOCON SR5009/NR1605(MARANTZ)/RC024SR		8300024000040S	1	*	
4-1	963533102430M	CUSHION,SNOW SR5009U1BEPS WH 55/FRONT TOP		6230213714000S	1	*	
4-2	963533102440M	CUSHION,SNOW SR5009U1B(MARANTZ) EPS WH 55/FRONT BOTTOM		6230213724000S	1	*	
4-3	963533102450M	CUSHION,SNOW SR5009U1B(MARANTZ) EPS WH 55/REAR TOP		6230213734000S	1	*	
4-4	963533102460M	CUSHION,SNOW SR5009U1B(MARANTZ) EPS WH 55/REAR BOTTOM		6230213744000S	1	*	
5	nsp	BATTERY,DRY R03 AAA SIZE 15V		G670001R50242S	2		
6	32401000800AD	MIC CONDENSER AUTO SETUP MIC ACM1HB		M040000310080S	1		
7	53121050000AM	BOX,GIFT SR5009U1B(MARANTZ) DW 515*427*242/GIFT		6007212680000S	1	*	
8	nsp	LABEL SR-5009 (U1B) CONTROL/Box 2EA+SERIAL 1EA attach		5507000016280S	1	*	
10	nsp	TAPE TAPE PACKING W:50(NEW TAPE:45kgf)		1220210772000S	15		
12-1	nsp	MANUAL POLYBAG ASSY (A4 Size) D6108(A GROUP) 330*240*005 SILK JACK-HOLE		6337040062010S	1		
└	nsp	SHEET NR1605/SR5009(ALL) Notes on RADIO Sheet (A3)		5227000003230S	1		
└	nsp	SHEET NR-1605/SR-5009 (U1B) SAFETY SHEET	U	5227000003170S	1		
└	nsp	SHEET NR-1605/SR-5009 (U1B) SAFETY SHEET	N	5227000003180S	1		
└	nsp	SHEET NR-1605/SR-5009 (U1B) SAFETY SHEET	K	5227000003200S	1		
└	nsp	WARRANTY CARD NR-1501(U1B) No54311010512AM	U	5727000000112S	1		
└	nsp	WARRANTY CARD NR1501(U1B) Canada SN00M183J854018	U	5727041650142S	1		
└	nsp	ANTENNA ISORATOR	K	L170200060010S	1		
└	963419100940S	LABEL SPEAKER WIRE		5507000016170S	1		
└	963116100550S	ANTENNA, WIRE ANT		E605010140050S	1		
└	963116100560S	ANTENNA, LOOP ANT		E601019000050S	1		
12-2	nsp	MANUAL POLYBAG ASSY (A5 Size) LD 160*250 NO SILK ZIPPER		6330210719000S	1		
└	35201033800AM	DISC CD MANUAL SR-5009(U)	U	6517000001950S	1		
└	35201033801AM	DISC CD MANUAL SR-5009(N)	N	6517000001960S	1		
└	35201033802AM	DISC CD MANUAL SR-5009(E1C)	K	6517000001970S	1		
└	54111118400AD	GETTING STARTED SR-5009(U)	U	5707000009230S	1		
└	54111118401AD	GETTING STARTED SR-5009(N)	N	5707000009240S	1		
└	54111118402AD	GETTING STARTED SR-5009(E1C)	K	5707000009250S	1		
12	963549101000D	STAND ASSY AVR2100WBKE3(DENON) (CPG1A1021ZA)PAPER A3/MIC		4148210170000S	1		
13	nsp	LABEL AVR NR SR / MIC		5507000015960S	1		
! 14	90M-ZC000470R	CORD ASSY 13A/125V ME302/VAC17S SJT 16AWG*2C 18M WH-STRAP	U	L068125130020S	1		
! 14	90M-ZC000600R	CORD ASSY 16A/250V M3204/VAC17S H05VVF2C*1MM 1.8M WHSTRAP	N	L068250160120S	1		
! 14	963611004880S	CORD ASSY 10A/250V V301C/VAC17S RVV300/500 1.83M WHSTRAP	K	L068250100150S	1		