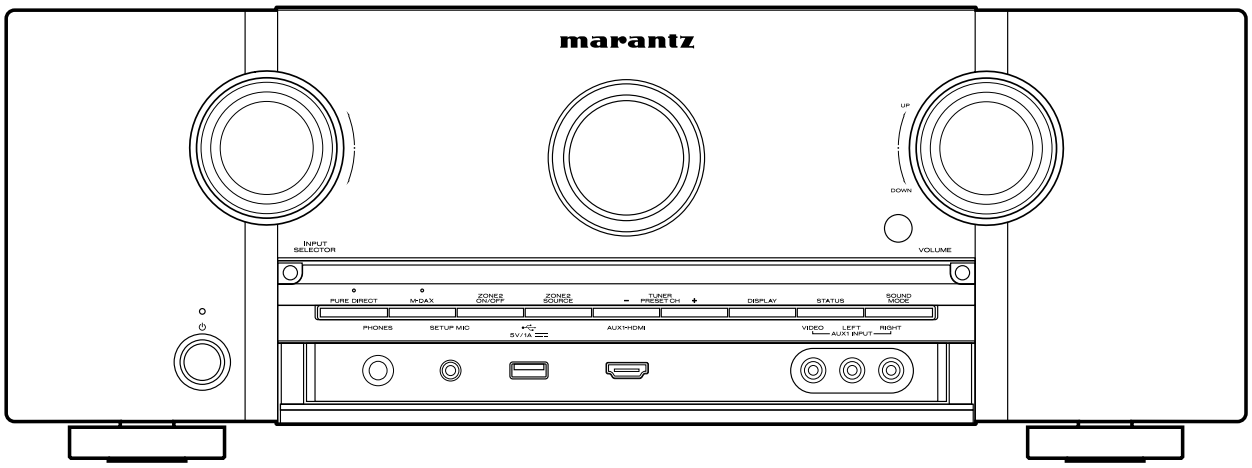
Service Manual

SR6010 /U1B/N1B/N1SG

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®

Ver. 1

SR6010

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WARNING: Violators will be prosecuted to the maximum extent possible.

S1051V01DM/DG1508

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ABOUT THIS MANUAL

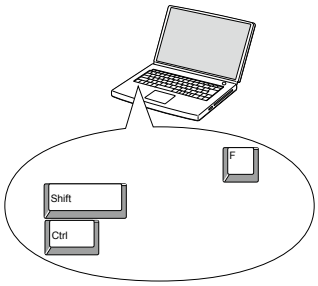
Read the following information before using the service manual.

What you can do with this manual

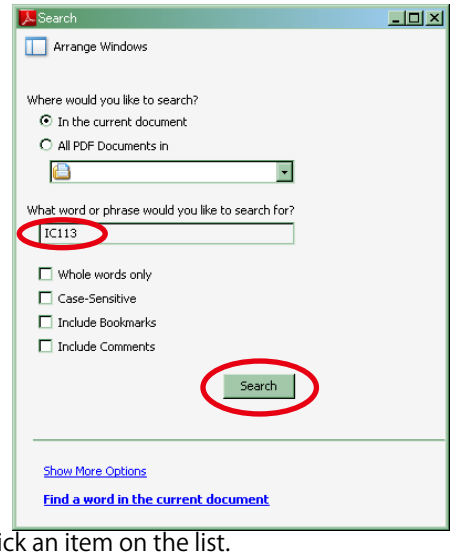
Search for a Ref. No. (phrase) (Ctrl+Shift+F)

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.



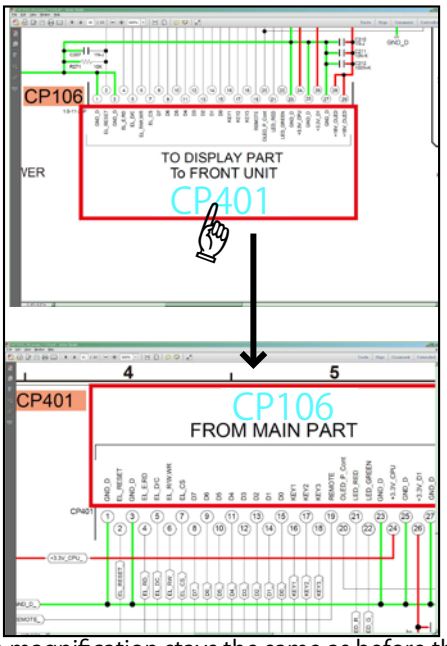
2. Enter the Ref. No. you want to search for in the Search window, and then click the **Search** button.
- A list of search results appears.



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.

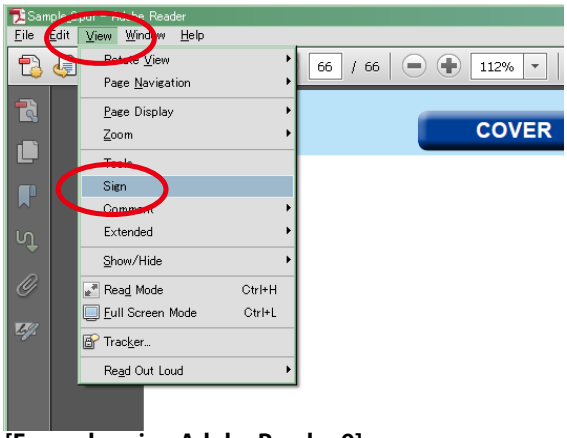
Using Adobe Reader (Windows version)

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.

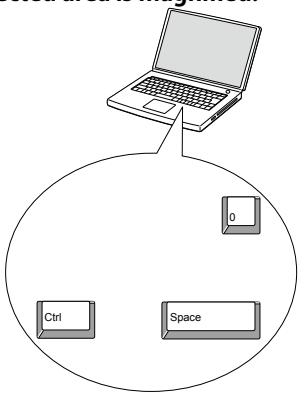


[Example using Adobe Reader 9]
On the **"Document"** menu, click **"Sign"**.

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.**

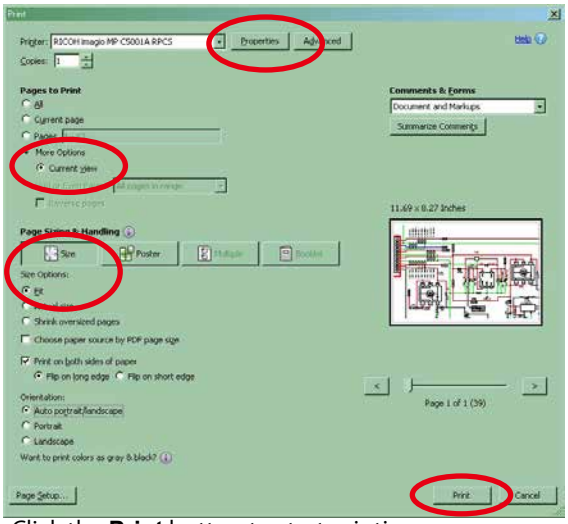


- When you want to move the area shown, hold down **Space** and drag the mouse.
- When you want to show a full page view, press **Ctrl+0** on the keyboard.

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.



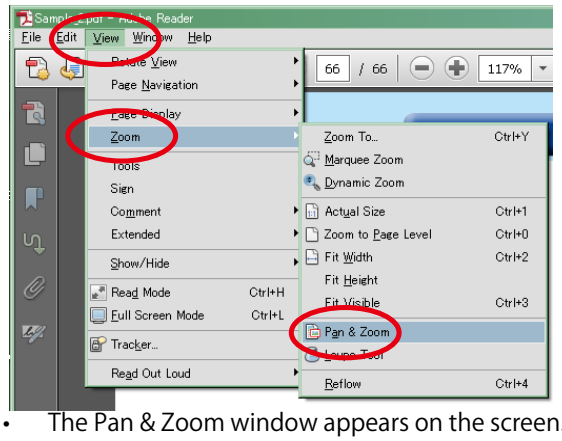
- **Properties**
  Click this button and check that the printer is set to a suitable paper size.
- **Page to print**
  Select the following checkbox.
  "More Options" : **"Current View"**
- **Page Sizing & Handling**
  Select the following checkbox.
  "Size" / **"Size Options"** : **"Fit"**

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

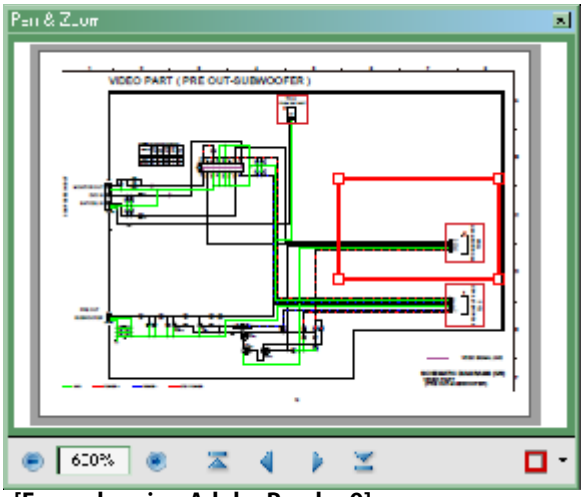
Magnify schematic / printed circuit board diagrams - 2
(Pan & Zoom function)

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.

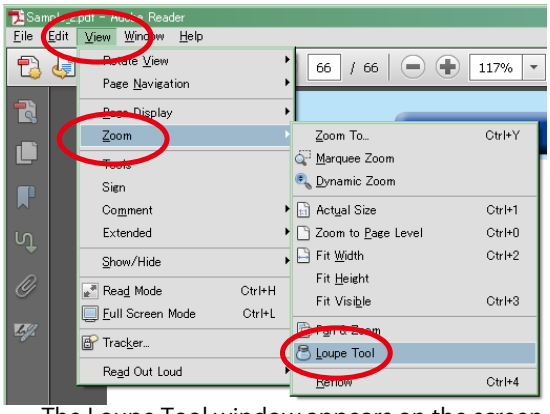


[Example using Adobe Reader 9]
On the **"Tools"** menu, point to **"Select & Zoom"**, and then click **"Pan & Zoom Window"**.

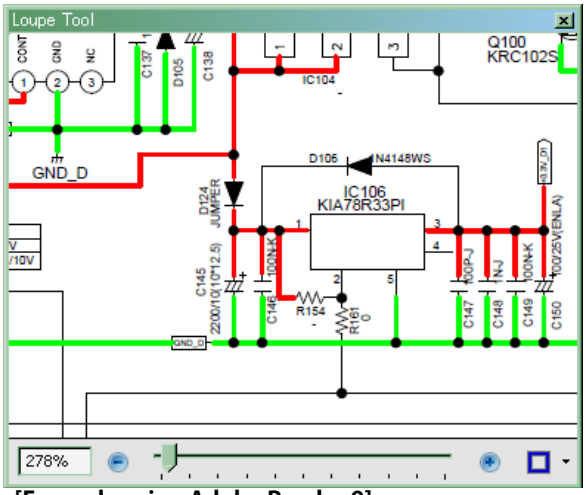
Magnify schematic / printed circuit board diagrams - 3
(Loupe Tool function)

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 seasons, 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 ⚠ 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 ⚠ mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

INSTRUCTIONS FOR HANDLING SEMI-CONDUCTORS AND OPTICAL UNIT

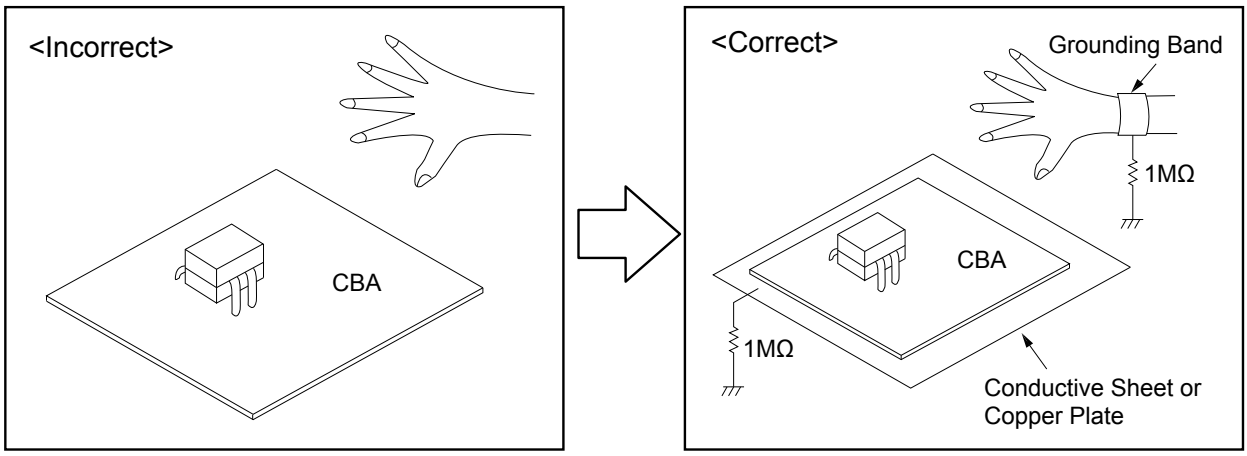
Electrostatic breakdown of the semi-conductors or optical pickup may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

1. Ground for Human Body

Be sure to wear a grounding band (1 MΩ) 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 MΩ) 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



Personal notes:

TECHNICAL SPECIFICATIONS

❑ Audio section

- **Power amplifier**

Rated output :

Front :

110 W + 110 W (8 Ω, 20 Hz - 20 kHz with 0.08 % T.H.D.)
150 W + 150 W (6 Ω, 1 kHz with 0.7 % T.H.D.)

Center :

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

Surround :

110 W + 110 W (8 Ω, 20 Hz - 20 kHz with 0.08 % T.H.D.)
150 W + 150 W (6 Ω, 1 kHz with 0.7 % T.H.D.)

Surround back / Height1 / Front wide :

110 W + 110 W (8 Ω, 20 Hz - 20 kHz with 0.08 % T.H.D.)
150 W + 150 W (6 Ω, 1 kHz with 0.7 % T.H.D.)

Output connectors : 4 - 16 Ω

❑ 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, Direct mode)

Distortion : 0.005 % (20 Hz – 20 kHz) (Direct mode)

Rated output : 1.2 V

❑ Digital section

D/A output : Rated output — 2V (at 0 dB playback)
Total harmonic distortion — 0.008 % (1 kHz, 0 dB)
S/N ratio — 102 dB
Dynamic range — 100 dB

Digital input : Format — Digital audio interface

❑ Phono equalizer section

Input sensitivity :	2.5 mV
RIAA deviation :	±1 dB (20 Hz to 20 kHz)
S/N ratio :	74 dB (IHF-A)
Distortion factor :	0.03 % (1 kHz, 3 V)

❑ 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/output level and impedance : Y signal — 1 Vp-p, 75 Ω
P_B / C_B signal — 0.7 Vp-p, 75 Ω
P_B / C_B signal — 0.7 Vp-p, 75 Ω

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

❑ Tuner section

(Note : μV at 75 Ω, 0 dBf = 1 x 10^{-15} W)

Reception frequency range :	**FM** 87.5 MHz - 107.9 MHz (for U) **FM** 87.5 MHz - 108.0 MHz (for N) **AM** 520 kHz - 1710 kHz (for U) **AM** 522 kHz - 1611 kHz (for N)
Effective sensitivity :	**FM** 1.2 μV (12.8 dBf) **AM** 18 μV
50 dB sensitivity :	MONO — 2.8 μV (20.2 dBf)
S/N ratio :	MONO — 70 dB (IHF–A weighted, Direct mode) STEREO — 67 dB (IHF–A weighted, Direct mode)
Distortion :	MONO — 0.7 % (1 kHz) SRETEO — 1.0 % (1 kHz)

❑ Wireless LAN section

Network type (wireless LAN standard) :	Conforming to IEEE 802.11b Conforming to IEEE 802.11g Conforming to IEEE 802.11n (Wi-Fi® compliant)∗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)

∗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 in line of sight∗2

Frequency band : 2.4 GHz band

Modulation scheme : FHSS (Frequency-Hopping Spread Spectrum)

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

Corresponding codec : SBC, AAC

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

∗2 The actual communication range varies depending on the influence of such factors as obstructions between devices, electromagnetic waves from microwave ovens, static electricity, cordless phones, reception sensitivity, antenna performance, operating system, application software etc.

❑ General

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

Power consumption : 650 W

Power consumption in standby mode : 0.2 W

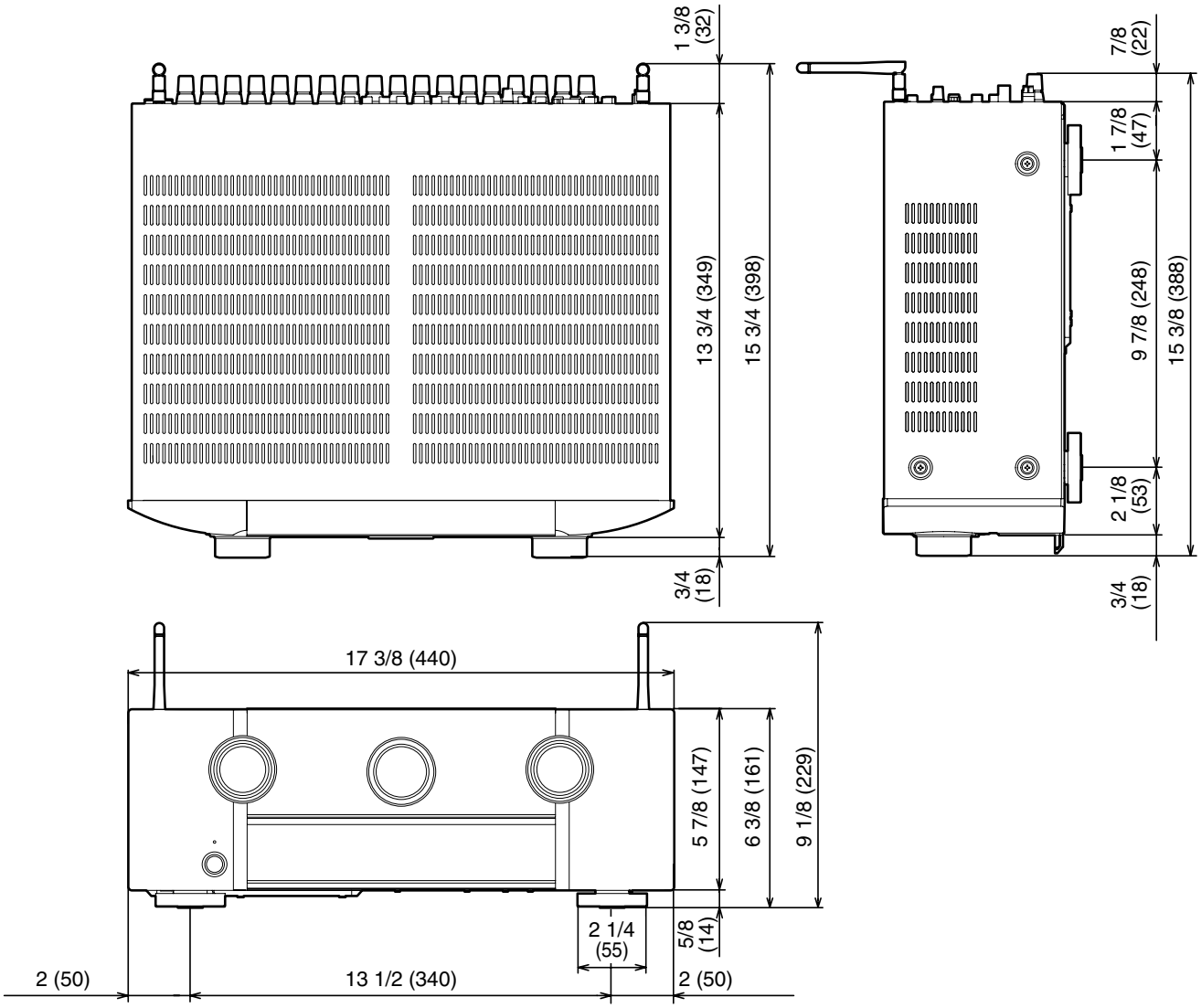
Power consumption in CEC standby mode : 0.5 W

Power consumption in network standby mode : 2.7 W

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

DIMENSION

Unit : in. (mm)
Weight : 25 lbs 9 oz (11.6 kg)



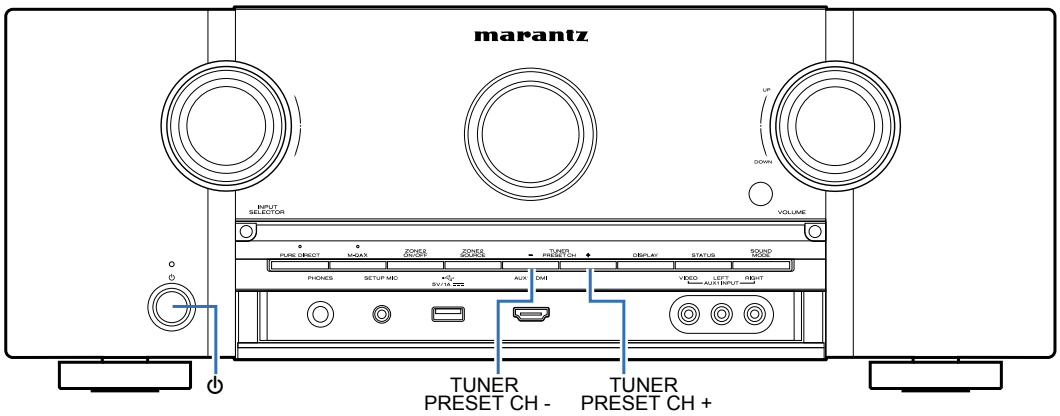
CAUTION IN SERVICING

Initializing This Unit

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

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

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



JIG FOR SERVICING

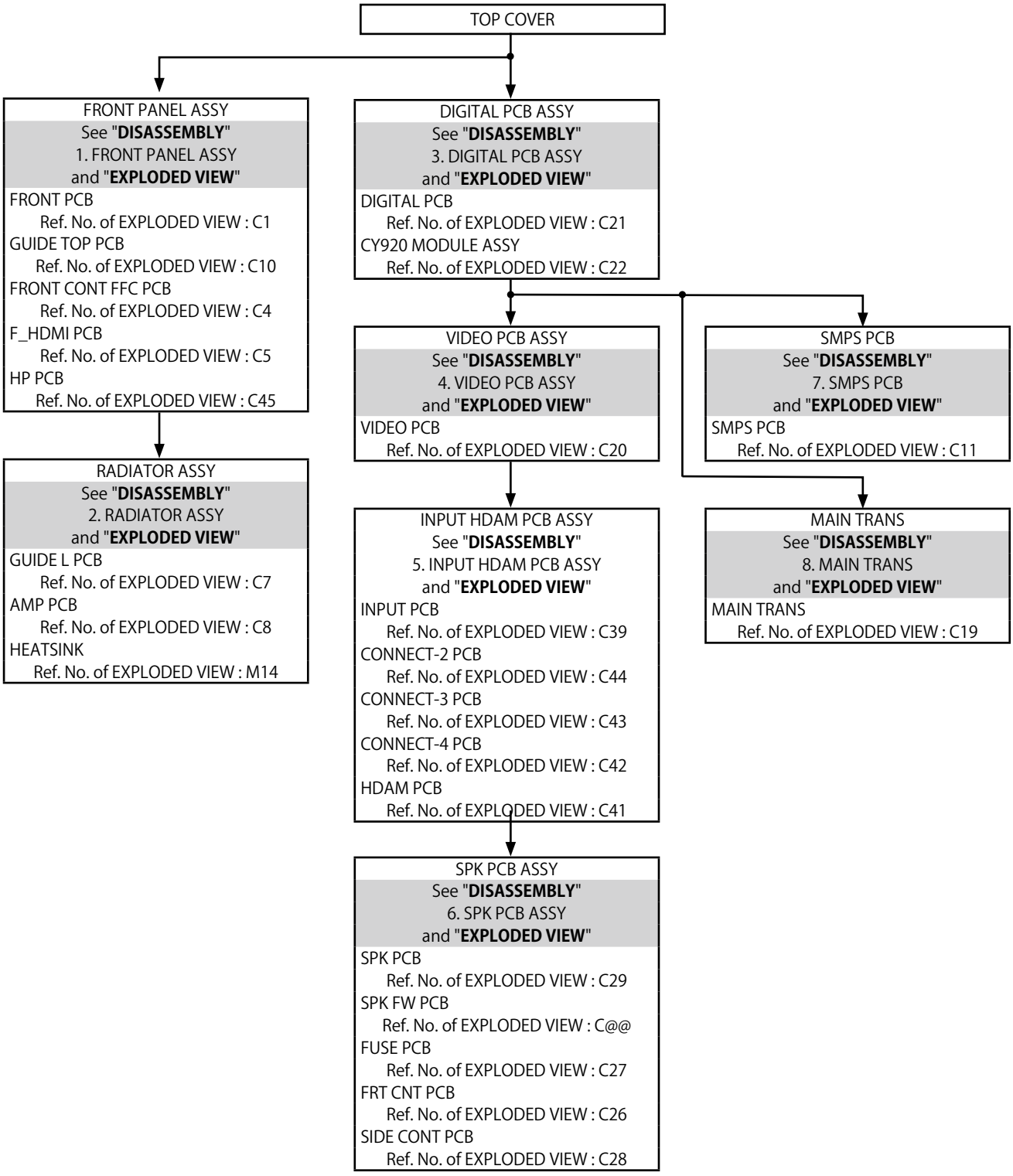
Use the following jigs (extension cable kit) when repairing the PCBs.
Order with your dealer for the jigs your dealer if necessary.

8U-110084S	:	EXTENSION UNIT KIT	:	1Set
8U-110136S	:	EXTENSION UNIT KIT	:	1Set

(See page 73)

DISASSEMBLY

- Remove each part following the flow below.
- Reassemble the removed parts in the reverse order.
- Read "**Precautions During Work**" before reassembling the removed parts.
- If wire bundles are removed or moved during adjustment or part replacement, reshape the wires after completing the work. Failure to shape the wires correctly may cause problems such as noise.

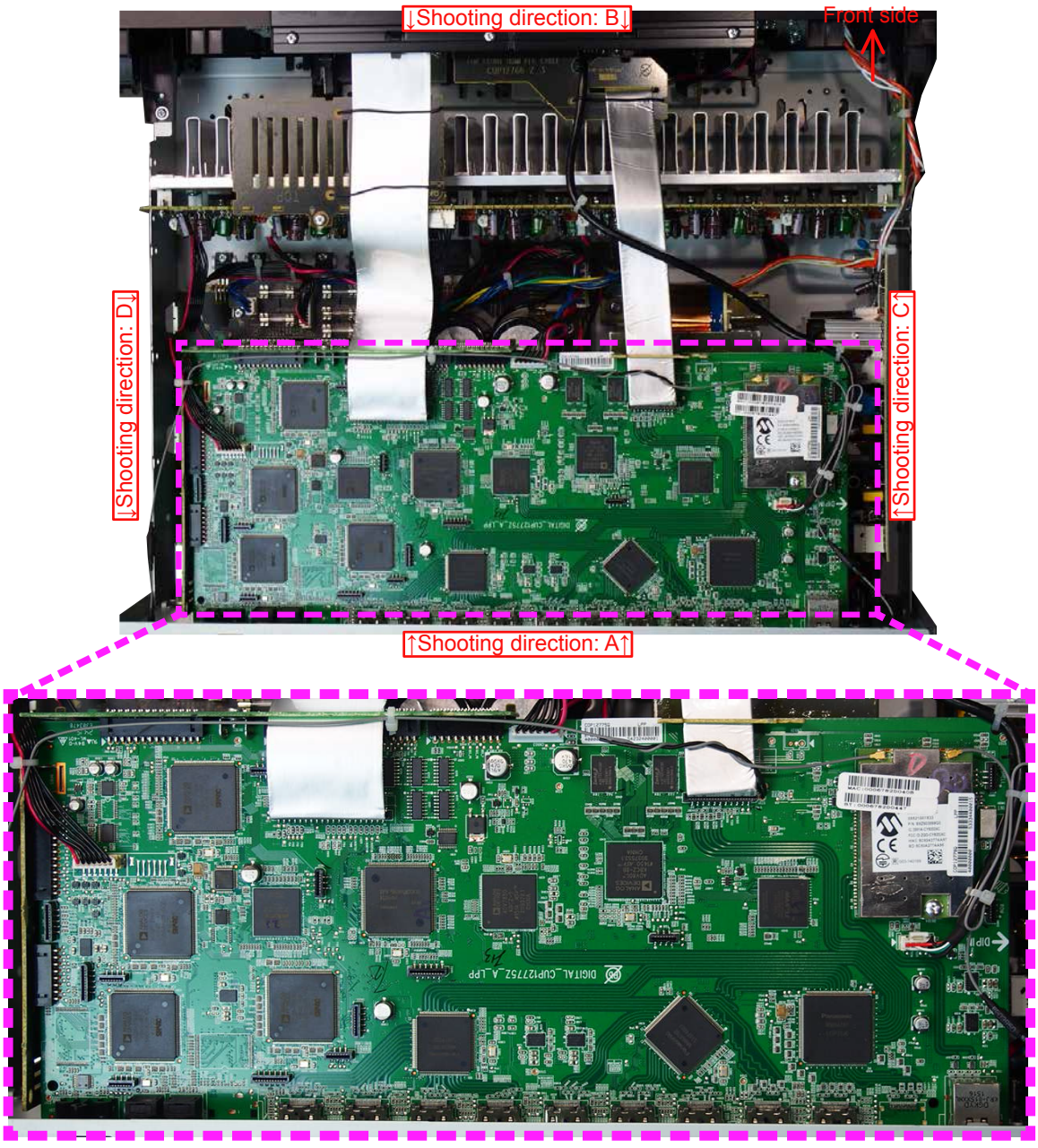


Explanatory Photos for DISASSEMBLY

- For the shooting direction of each photos used in this manual, see the photo below.
- **A, B, C and D** in the photo below indicate the **shooting directions** of photos.
- The photographs with no shooting direction indicated were taken from the top of the unit.
- Photos of SR6010 U are used in this manual.

The viewpoint of each photograph

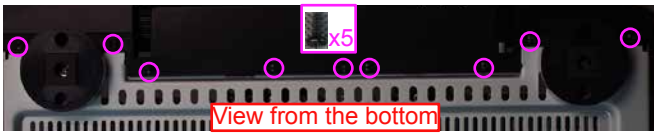
(Shooting direction : X) [View from the top]



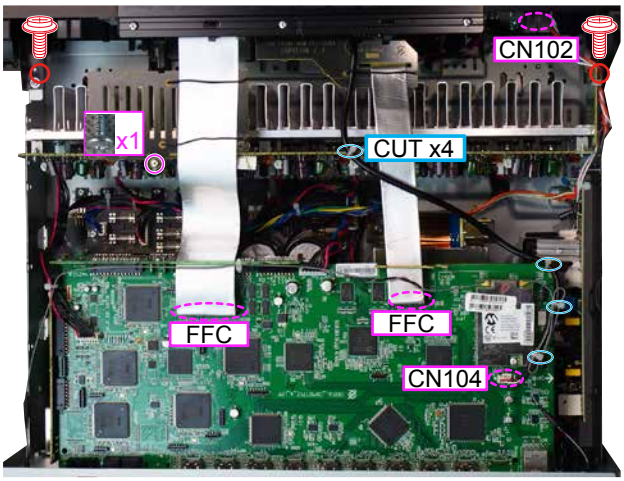
1. FRONT PANEL ASSY

Proceeding : TOP COVER → FRONT PANEL ASSY

(1) Remove the screws.



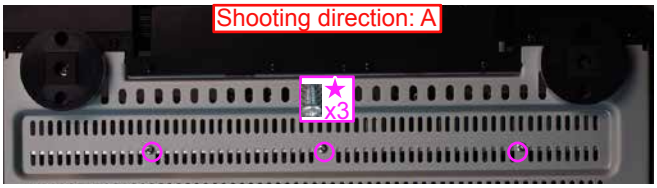
(2) Remove the screws. Cut the wire clamp, then remove the connector. Remove the FFC.



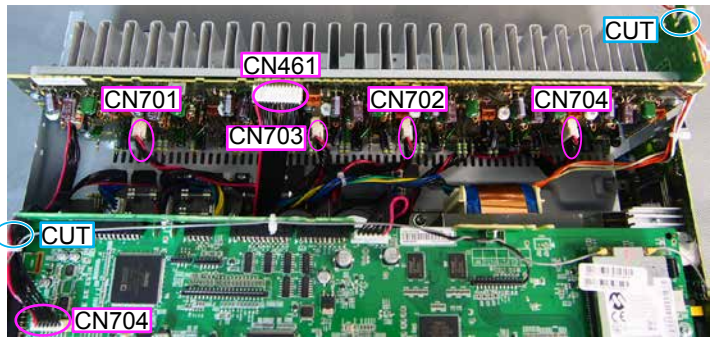
2. RADIATOR ASSY

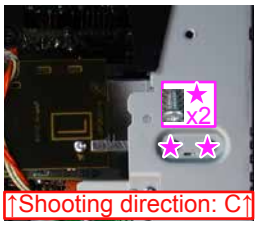
Proceeding : TOP COVER → FRONT PANEL ASSY → RADIATOR ASSY

(1) Remove the screws.



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



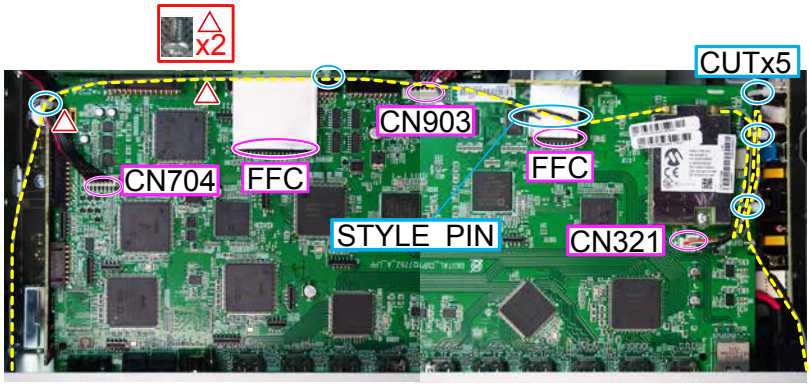


3. DIGITAL PCB

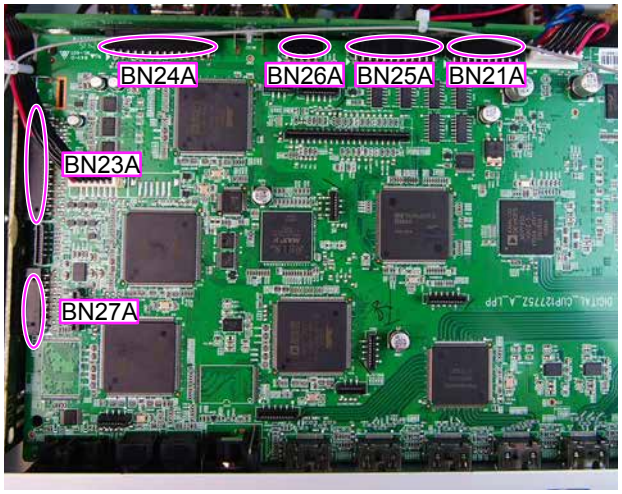
Proceeding : TOP COVER → BACK CHASSIS → DIGITAL PCB

(1) Remove the screws.

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



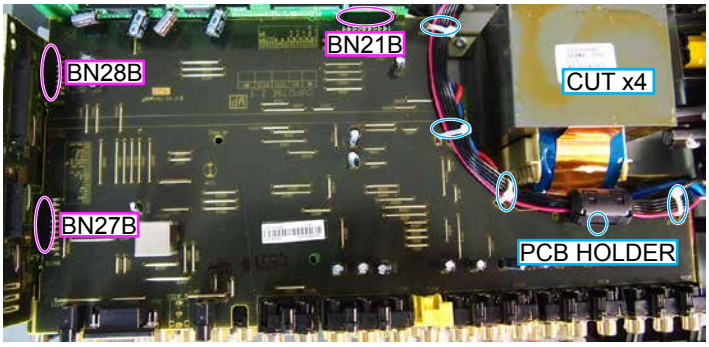
(3) Remove the connector.



4. VIDEO PCB

Proceeding : TOP COVER → BACK CHASSIS → DIGITAL PCB → VIDEO PCB

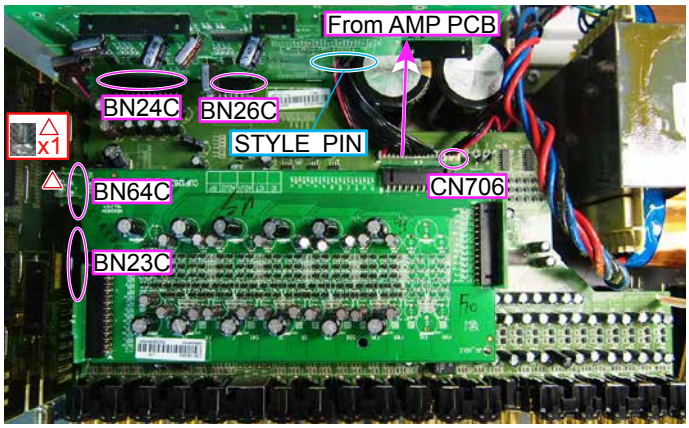
(1) Cut the wire clamp, then remove the connector. PCB HOLDER を外します。



5. INPUT HDAM PCB

Proceeding : TOP COVER → BACK CHASSIS → DIGITAL PCB → VIDEO PCB → INPUT HDAM PCB

(1) Remove the screws. Remove the connector.

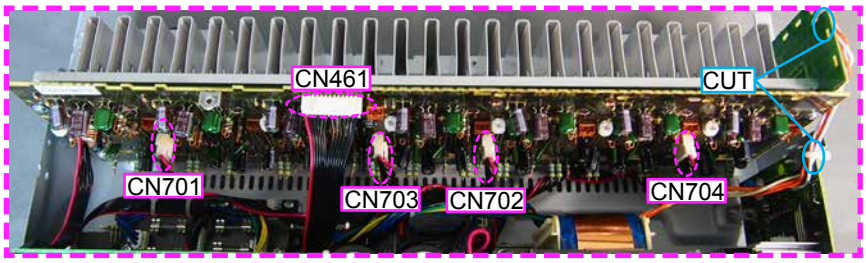


6. SPK PCB

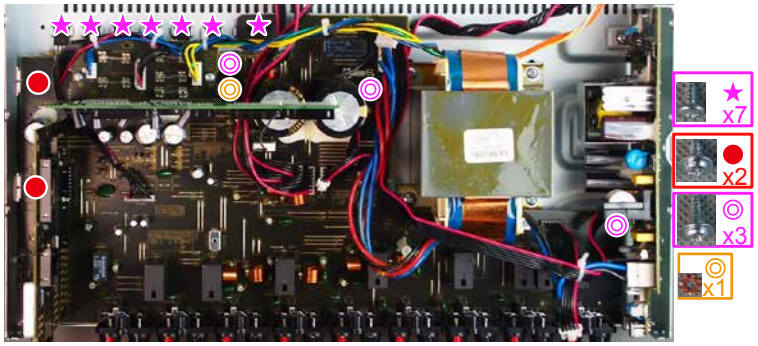
Proceeding : TOP COVER → BACK CHASSIS → DIGITAL PCB → VIDEO PCB → INPUT HDAM PCB → SPK PCB

(1) Remove the screws.

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



(3) Remove the screws.



7. SMPS PCB

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

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

8. TRANS POWER

Proceeding : TOP COVER → BACK CHASSIS → DIGITAL PCB → TRANS POWER

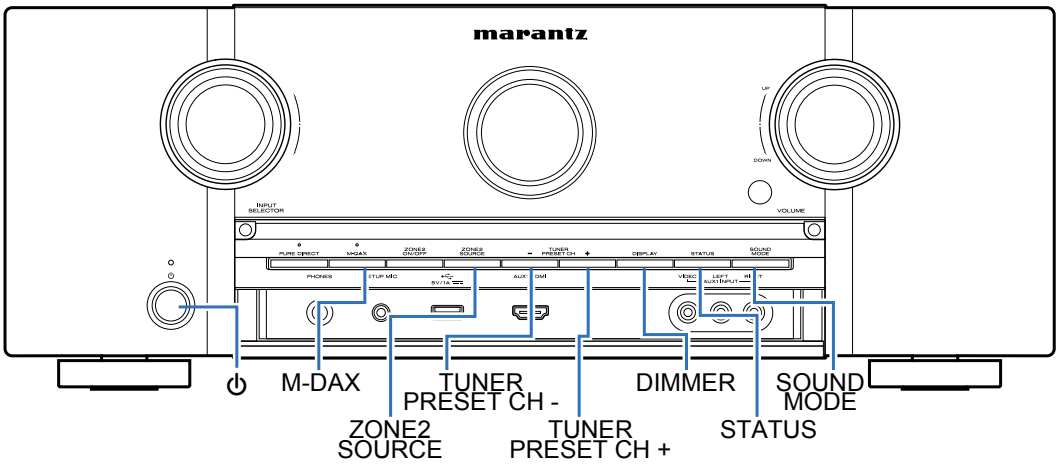
See "EXPLODED VIEW" for instructions on removing the transformer (TRANS).

SPECIAL MODE

Special mode setting button

※ No. 1 - 6, 9 : While holding down buttons "**A**", "**B**" and "**C**" simultaneously, press the power button to turn on the power.
※ No. 7, 8 : While the power is on, hold down buttons "**A**" and "**B**" for at least 3 seconds .
※ No. 10 : While holding down buttons "**A**" and "**B**" simultaneously, insert the AC plug into the wall outlet to turn on the power.

No.	Mode	Button A	Button B	Button C	Descriptions
1	Version Display (u-COM / DSP Error Display)	DIMMER	STATUS	-	Displays the version of firmware such as the main firmware or DSP. Errors that have occurred are displayed. (See page 19)
2	Selecting the Mode for Service-related	ZONE2 SOURCE	STATUS	-	This is a display for turning on each service-related mode. Service-related modes: No. 2-1 - No. 2-6
2-1	Check the Video/Audio path Mode	TUNER PRESET CH + / −	-	-	This is a special mode for service confirmation used during repair work to simplify the confirmation work for the Audio channel / video channel. (See page 25)
2-2	Protection history display mode	↑	-	-	Displays the protection occurrence history. (See page 66)
2-3	232C Standby Clear Mode	↑			Switches from 232C standby mode to normal standby mode. (See page 67)
2-4	Operation Info Mode	↑	-	-	Displays the accumulated operating time of the unit, the number of times the power was switched on, and the number of occurrences of each protection. (See page 68)
2-5	TUNER STEP Mode (E3 and E2 model only)	↑	-	-	Enables reception STEP of the ANALOG TUNER to be changed. (See page 69)
3	User Initialization Mode	M-DAX	ZONE2 SOURCE	-	Initializes backup data. (Settings for the Installer Setup are not initialized.)
4	Factory Initialization Mode	TUNER PRESET CH −	TUNER PRESET CH +	-	Initializes backup data. (The settings for the Installer Setup is also initialized.)
5	PANEL / REMOTE LOCK Selection Mode	M-DAX	DIMMER	-	Start this unit in the PANEL/REMOTE LOCK selection mode so that PANEL LOCK and Remote Lock can be switched between ON and OFF. (See page 70)
6	Protection Pass Mode	DIMMER	STATUS	SOUND MODE	Enables the power to be turned on when protection detection is disabled. (See page 71)
7	CY920 Reboot Mode	TUNER PRESET CH +	SETUP	-	The CY920 is restarted after CY920 hang up.
8	CY920 Initialization Mode	TUNER PRESET CH −	DIMMER	-	Enter this mode only after replacing Flash for CY920 and rewriting the firmware.
9	USB Update mode	TUNER PRESET CH +	STATUS	-	Switches this unit to USB Update mode.
10	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 page 79)



1. Version Display Mode

1.1. Actions

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

1.2. Starting up

While holding down buttons "**DIMMER**" and "**STATUS**" simultaneously, press the power button to turn on the power. then press the "**STATUS**" button to display the information in section 1.3 on the display.

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

1.3. Display Order

Error information("See "**1.4. Error display**") → ① Model destination information, Serial Number
→ ② Firmware Package Version → ③ Main µ-com, Main 1st Boot Loader Version → ④ DSP1/2/3/4 ROM
→ ⑤ Audio, Video PLD → ⑥ GUI SFLASH → ⑦ Ethernet 1st Boot Loader, Hardware ID
→ ⑧ Ethernet 2nd Boot Loader, Rhapsody Flag → ⑨ Ethernet IMAGE → ⑩ Ethernet MAC ADDRESS information
→ ⑪ BT MAC ADDRESS information → ⑫ MultEQ Pro APP (Displayed when Audyssey Pro is complete)
→ ⑬ MultEQ Pro ICL (Displayed when Audyssey Pro is complete)

① Model destination information, Serial Number：

FLD	L1	S	R	6	0	1	0		U
	L2		S	N	-	*	*	*	*
	L3			*	*	*	*	*	*

FLD	L1	S	R	6	0	1	0		N

② Firmware Package Version：

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

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

FLD	L1	M	A	i	n				
	L2					*	*	*	*
	L3	B	L	-	*	*	.	*	*

④ DSP1/2/3/4 ROM :

FLD	L1	D	1	▲	*	*	.	*	*
	L2								
	L3	D	2	▲	*	*	.	*	*

FLD	L1	D	3	▲	*	*	.	*	*
	L2								
	L3	D	4	▲	*	*	.	*	*

⑤ Audio, Video PLD :

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

⑥ GUI SFLASH :

FLD	**L1**	G	U	I					
	L2	∂	∂	$	\	*	*	*	*
	L3								

∂ : Model code, $: Brand code, \ : Region code (U=1, N=2, K=5, F=4)

⑦ Ethernet 1st Boot Loader, Hardware ID :

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

AA : Hardware ID

⑧ Ethernet 2nd Boot Loader, Rhapsody Flag :

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

BB : Rhapsody Flag

⑨ Ethernet IMAGE :

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

⑩ Ethernet MAC ADDRESS information：

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

⑪ BT MAC ADDRESS information：

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

⑫ MultEQ Pro APP :

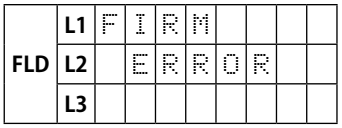
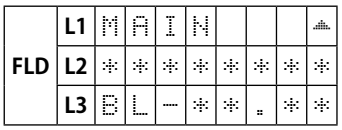
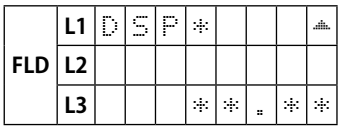
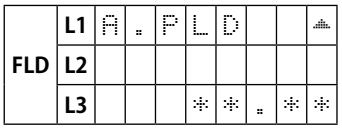
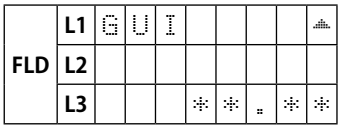
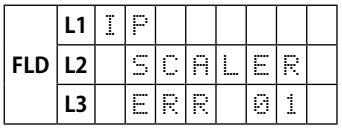
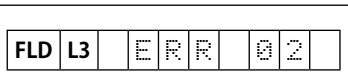
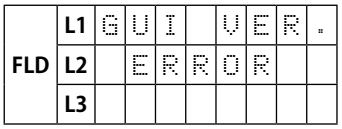
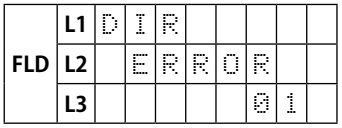
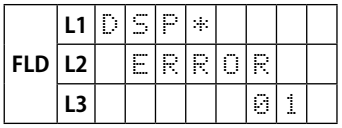
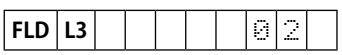
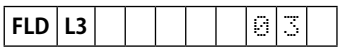
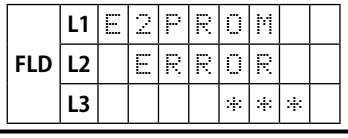
FLD	**L1**	E	Q		A	P	P		
	L2	*	*	.	*	*	.	*	*
	L3				.	*	*	*	*

⑬ MultEQ Pro ICL :

FLD	**L1**	E	Q		I	C	L		
	L2	*	*	.	*	*	.	*	*
	L3				.	*	*	*	*

1.4. Error display

See the table below for descriptions of the displayed errors and countermeasures for these.
If multiple errors occur, only one item is displayed.
The priority order is ②, ③, ④, ⑤, ⑥, ①.

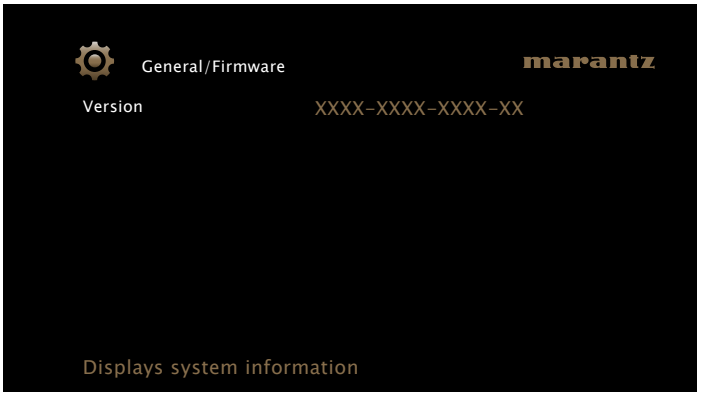
Condition	States	Display	TROUBLE SHOOTING
① Firm Check NG (＊：1/2/3/4)	The model name, brand name and region information written in the firmware are compared to the region settings in the PCB. This error is displayed if the information does not match. " ▲ " or " ▼ " is displayed as the first character if the firmware is not correct (see the illustrations on the right).	    	•Check the resistor for setting the region (R1589/R1590 DIGITAL PCB). •Write the firmware for the correct region.
② IP SCALER NG	An error occurs in Loopback Test of the DDR memory which is performed during the initial setting of i/p Scaler (ADV8003).		•Check the circuits around the IP SCALER (IC401, DIGITAL PCB) and DDR2 (IC402/IC403). If there appear to be no problems, IC401 or IC402/IC403 is faulty.
	During the initial setting of i/p Scaler (ADV8003) , there is not the reply of the Loopback Test result of the DDR memory .		
③ GUI Serial Flash NG	If the Main CPU version is not supported by the GUI Serial Flash (ADV8003), " ▼ " is displayed as the first character of the GUI firmware version.		•Check the firmware version.
④ DIR NG	This error is displayed if there is no response from the DIR.		•Check the DIR (IC202, DIGITAL PCB) and surrounding circuits.
⑤ DSP＊ NG (＊：1/2/3/4)	The DSP＊ FLAG0 port does not enter "**Hi**" status while booting a DSP code even after resetting DSP.		•Check the DSP (IC251/ IC261/IC271/IC281, DIGITAL PCB) and surrounding circuits.
	The DSP＊ FLAG0 port does not enter "**Hi**" status before issuing a DSP command.		
	Setting WRITE to "**Lo**" does not set ACK to "**Hi**" during DSP＊ data reading.		
	Setting REQ to "**Lo**" does not set ACK to "**Lo**" during DSP＊ data reading.		
	Setting WRITE to "**Hi**" does not set ACK to "**Hi**" during DSP＊ data writing.		
	Setting REQ to "**Lo**" does not set ACK to "**Lo**" during DSP＊ data writing.		
⑥ EEPROM NG	An error occurred in a checksum of the EEPROM(*** is a block address number).		

1.5. Version Display in the Setup Menu

Follow the steps below to display the firmware information.

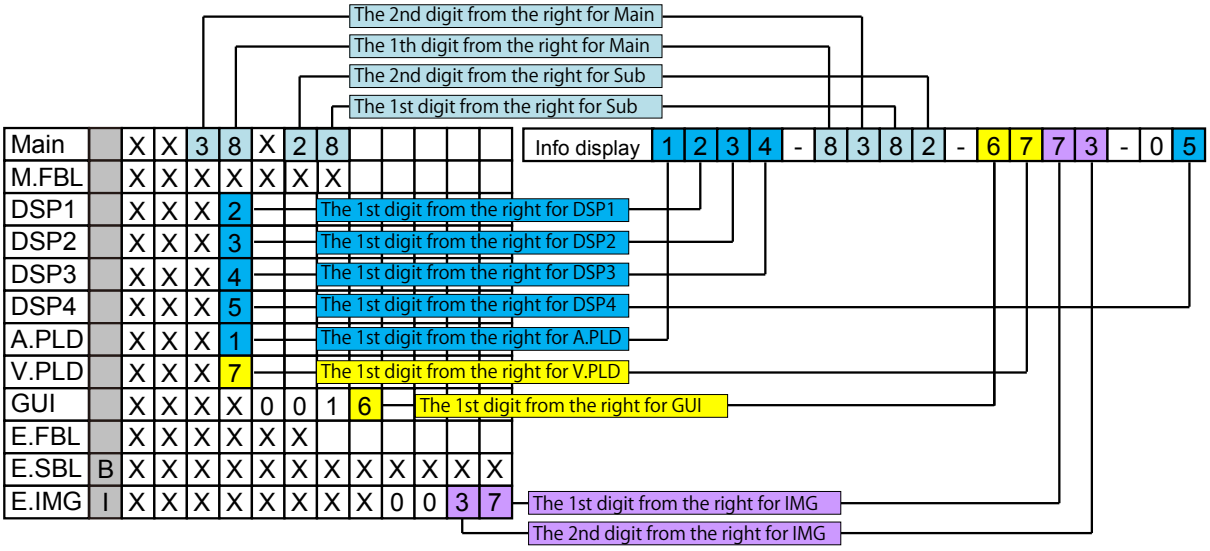
(1) Press the "**SETUP**" button on the remote control.
(2) Select "**General - Information - Firmware**".

The version information is displayed as a 14-digit number as shown in the screenshot below.



GUI Image

This 14-digit number comprises a part of the version number of each device and module.
These version numbers correspond to the 14-digit number as shown below.



※ The firmware version numbers and this 14-digit version information are written in the Service Information.

2. Selecting the Mode for Service-related Operations

2.1. Actions

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

2.2. Starting up

While holding down buttons "**ZONE2 SOURCE**" and "**STATUS**" simultaneously, press the power button to turn on the power.
Select the desired mode using the "**TUNER PRESET CH+/-**" button, then press the "**STATUS**" button to confirm.

2.3. Displaying and Selecting Each Mode

The information shown on the display switches each time the "**TUNER PRESET CH+/-**" button is pressed.
Press the "**STATUS**" button to set the currently displayed mode and restart the device.

①

FLD									
	L1	1	S	E	R	V	I	C	E
	L2		C	H	E	C	K		

Service Path Check Mode：
The Video and Audio paths can be checked.
This function is convenient for confirming problem paths in the product and checking the paths after repairing.

②

FLD									
	L1	2	P	R	O	T	E	C	T
	L2								

The protection history can be checked.

③

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

Switches from 232C standby mode to normal standby mode.

④

FLD									
	L1	4	O	P		I	N	F	O
	L2								

Operation Info for the unit can be checked.

⑤

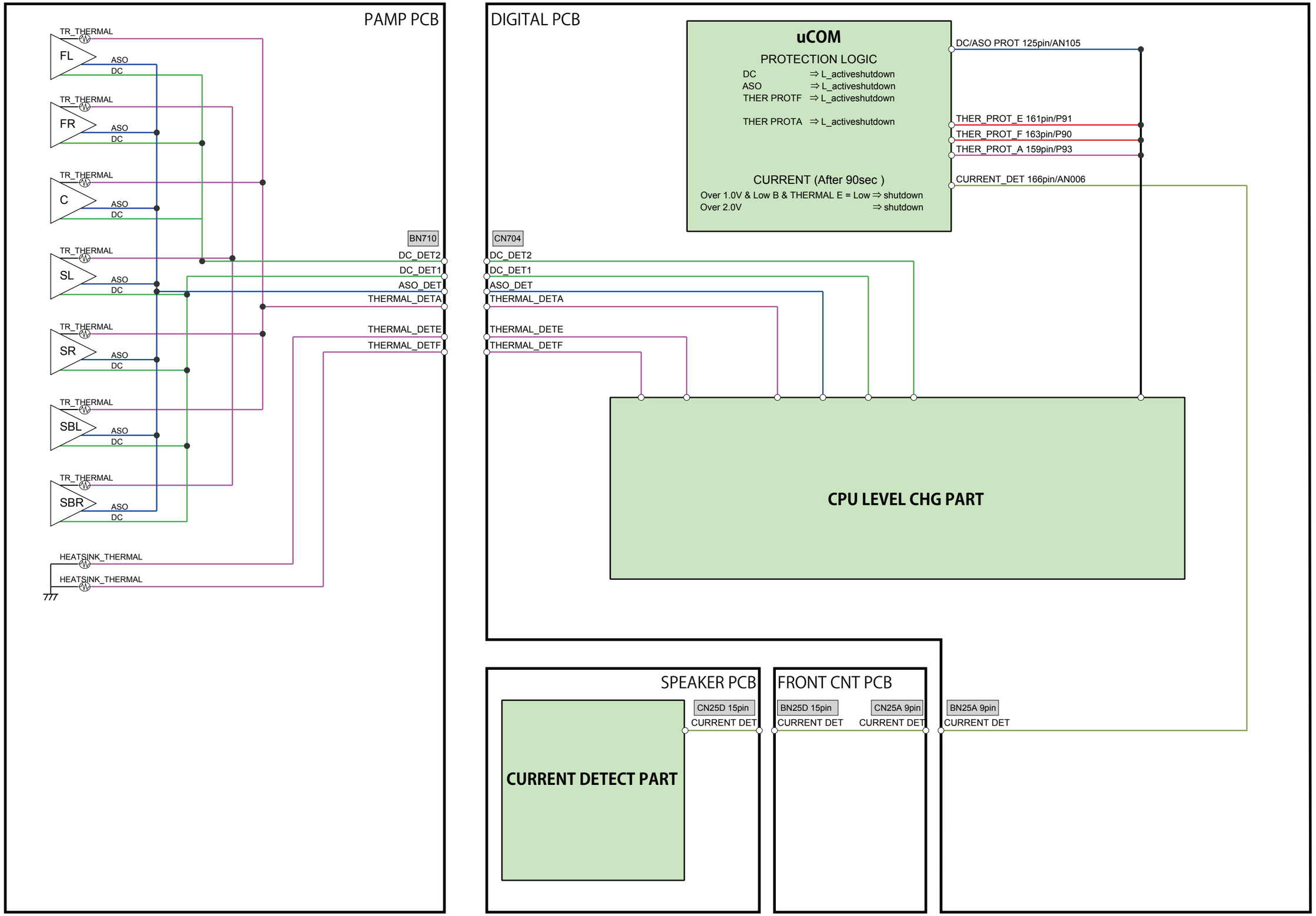
FLD									
	L1	5	T	U	N	E	R		
	L2		F	R	E	Q			

Enables reception STEP of the ANALOG TUNER to be changed.

2.3. Canceling the selected mode

Press the power button to turn off the power.

PROTECTION DIAGRAM



2-1. DIAGNOSTIC MODE (Service Path Check Mode)

2-1.1. Actions

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

2-1.2. Starting up

While holding down buttons "**ZONE2 SOURCES**" and "**STATUS**" simultaneously, press the power button to turn on the power.
Select "**1.SERVICE CHECK**", then press the "**STATUS**" button to activate the diagnostic mode.
The "**TUNED**", "**STEREO**" and "**RDS**" segments are lit in this mode.

2-1.3. Canceling diagnostic mode

Press the power button to turn off the power.

2-1.4. Selecting items to check

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

	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 ◄	CURSOR ►

2-1.5. Audio system confirmation items

See the block diagram fig.XXth.

	Paths to be confirmed	Display	Settings	What to confirm
1	Analog (MAIN ZONE) **fig.01**	L1 A01ANALG L2 ****.**dB	Input Source : CBL/SAT Input Mode : Analog (fixed) Sound mode : DIRECT Amp assign : 7.1ch Floor Layout : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : ON ZONE2 : OFF	・Analog input ⇒ Speaker output (Front L/R) ・Analog input ⇒ Preout output (Front L/R) (※ The input source can be switched to any source except CBL/SAT.)
2	Digital (MAIN) **fig.02a** **fig.02b**	L1 A02DIG. L2 ****.**dB	Input Source : CBL/SAT Input Mode : DIGITAL (fixed) Sound mode : MULTI CH STEREO Amp assign : 7.1ch Floor Layout : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height Speaker Select : Floor Speaker Config ALL Speaker = Small / SW = Yes(2ch) MAIN ZONE : ON ZONE2 : OFF	・Digital input ⇒ Speaker output (Front L/R, Center, Surround L/R, Surround Back L/R) ・Digital input ⇒ Pre output (Front L/R, Center, Surround L/R, Surround Back L/R, Subwoofer) (※ The input source can be switched to any source except CBL/SAT.)
3	Digital (ZONE2) **fig.03a** **fig.03b** **fig.03c**	L1 A03Z2DIG L2 ****.**dB	Input Source : Online Music Input Mode : Auto Sound mode : STEREO Amp assign : 5.1ch + ZONE2 MAIN ZONE : ON ZONE2 : ON	・Digital(PCM) input ⇒ Amp Assign Speaker (Surround Back L/R → ZONE2 L/R) ・Digital(PCM) input ⇒ Preout output (ZONE2 L/R) (※ The input source can be switched to any source except Online Music.)
4	HDMI **fig.04a** **fig.04b** **fig.04c**	L1 A05HDMI L2 ****.**dB	Input Source : CBL/SAT Input Mode : HDMI (fixed) Sound mode : STEREO Amp assign : 7.1ch Floor Layout : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : ON ZONE2 : OFF	・HDMI input ⇒ Speaker output (Front L/R) ・HDMI input ⇒ Preout output (Front L/R) (※ The input source can be switched to any source except CBL/SAT.)

	Paths to be confirmed	Display	Settings	What to confirm
5	Analog A/D (MAIN ZONE) **fig.05a** **fig.05b**	L1 A06AD L2 ***.*dB	Input Source : CBL/SAT Input Mode : Analog (fixed) Sound mode : MULTI CH STEREO Amp assign : 7.1ch Floor Layout : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height Speaker Select : Floor Speaker Config ALL Speaker = Small/SW = Yes(2ch) MAIN ZONE : ON ZONE2 : OFF	・Analog input ⇒ Speaker output (Front L/R, Center, Surround L/R, Surround Back L/R) ・Analog input ⇒ Preout output, SW(20Hz) (Front L/R, Center, Surround L/R, 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)
6	Analog Amp Assign (Amp Assign：ZONE2) **fig.06**	L1 A07Z2ASS L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode : STEREO Z2 Source : Source Amp assign : 5.1ch + ZONE2 MAIN ZONE : ON ZONE2 : ON	・Analog input ⇒ Speaker input (Surround Back L/R → ZONE2 L/R) ・Analog input ⇒ Preout input (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	Amp Assign (Bi-Amp) **fig.07a** **fig.07b**	L1 A11B:AMP L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode : MULTI CH STEREO Amp assign : 5.1ch + Bi-Amp MAIN ZONE : ON ZONE2 : OFF	・Analog input ⇒ Speaker output (Surround Back L/R → Front 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.08a** **fig.08b**	L1 A14FH L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode : MULTI CH STEREO Amp assign : 7.1ch Floor Layout : 5ch Height Sp : 2ch Dolby Sp : None Height Layout : Front Height Speaker Select : Floor & Height MAIN ZONE : ON ZONE2 : OFF	・Analog input ⇒ Speaker output (Height1 L/R → Front Height) ・Analog input ⇒ Preout output (Height1 L/R → Front Height) (※ The input source can be switched to any source except CBL/SAT.) ・PREOUT output (※ Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)
9	Front Wide **fig.09a** **fig.09b**	L1 A15FW L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode : MULTI CH STEREO Amp assign : 7.1ch Floor Layout : 5ch&FW Height Sp : None Dolby Sp : None Speaker Select : Front MAIN ZONE : ON ZONE2 : OFF	・Analog input ⇒ Speaker output (Front Wide L/R) ・Analog input ⇒ Preout output (Front Wide L/R) (※ The input source can be switched to any source except CBL/SAT.) ・PREOUT output (※ Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)
10	Ext.In **fig.10**	L1 A197.1IN L2 ***.*dB	Input Source : CBL/SAT Input Mode : 7.1ch IN SURROUND mode : 7.1ch In Amp assign : 7.1ch Floor Layout : 5ch&SB Height Sp : None Dolby Sp : None MAIN ZONE : ON ZONE2 : OFF	・7.1ch input ⇒ Speaker output (Front L/R, Center, Surround L/R, Surround Back L/R) ・7.1ch input ⇒ Pre output (Front L/R, Center, Surround L/R, Surround Back L/R, Subwoofer)
11	Front Amp>>Front Wide **fig.11a** **fig.11b**	L1 A21FW2 L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto SURROUND mode : Multi ch STEREO Amp assign : 9.1ch Floor Layout : 5ch&SB&FW Height Sp : None Dolby Sp : None Pre-out Channel : Front Speaker Select : Floor MAIN ZONE : ON ZONE2 : OFF	・Analog input ⇒ Speaker output (Front Wide L/R) ・Analog input ⇒ Preout output (Front Wide 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)

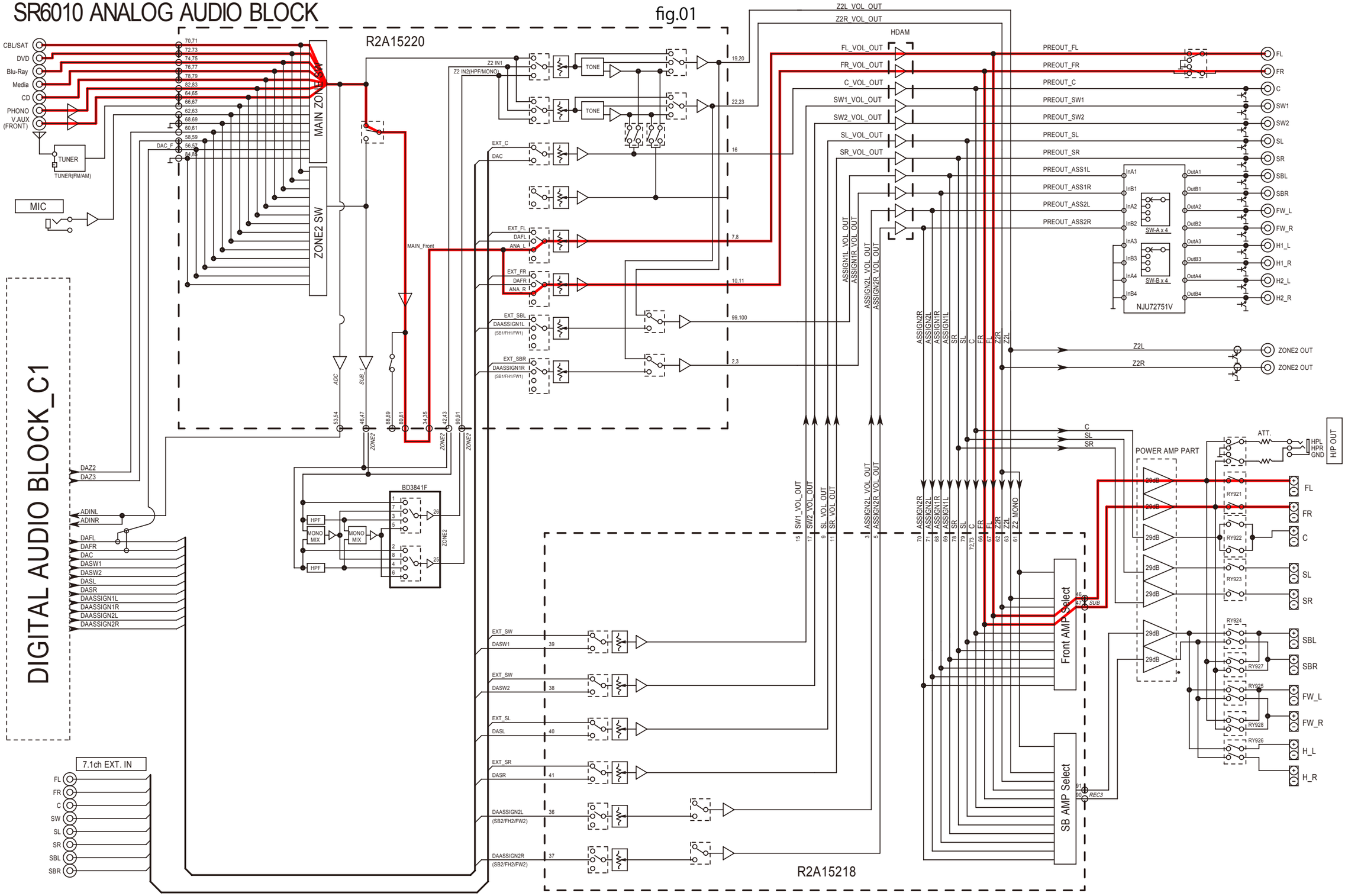
	Paths to be confirmed	Display	Settings	What to confirm
12	Front Amp>>Surround Back **fig.12a** **fig.12b**	**L1** A 2 2 S B 2 **L2** * * * . * d B	Input Source : CBL/SAT Input Mode : Auto SURROUND mode : Multi ch STEREO Amp assign : 9.1ch Floor laytou : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Layout : Front Height Pre-out Channel : Front Speaker Select : Floor & Height MAIN ZONE : ON ZONE2 : OFF	・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)
13	Height **fig.13a** **fig.13b**	**L1** A 2 4 H E I G **L2** * * * . * d B	Input Source : CBL/SAT Input Mode : Auto Sound mode : MULTI CH STEREO Amp assign : 9.1ch Floor Layout : 5ch Height Sp : 4ch Dolby Sp : None Height Layout : Top Front & Top Rear Pre-out Channel : Top Rear Speaker Select : Floor & Height MAIN ZONE : ON ZONE2 : OFF	・Analog input ⇒ Preout output (Height1 L/R → Top Front) (Height2 → Top Rear) (※ The input source can be switched to any source except CBL/SAT.) ・PREOUT output (※ Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)

2-1.6. Confirmation items for the video system

See the block diagram fig.XXth.

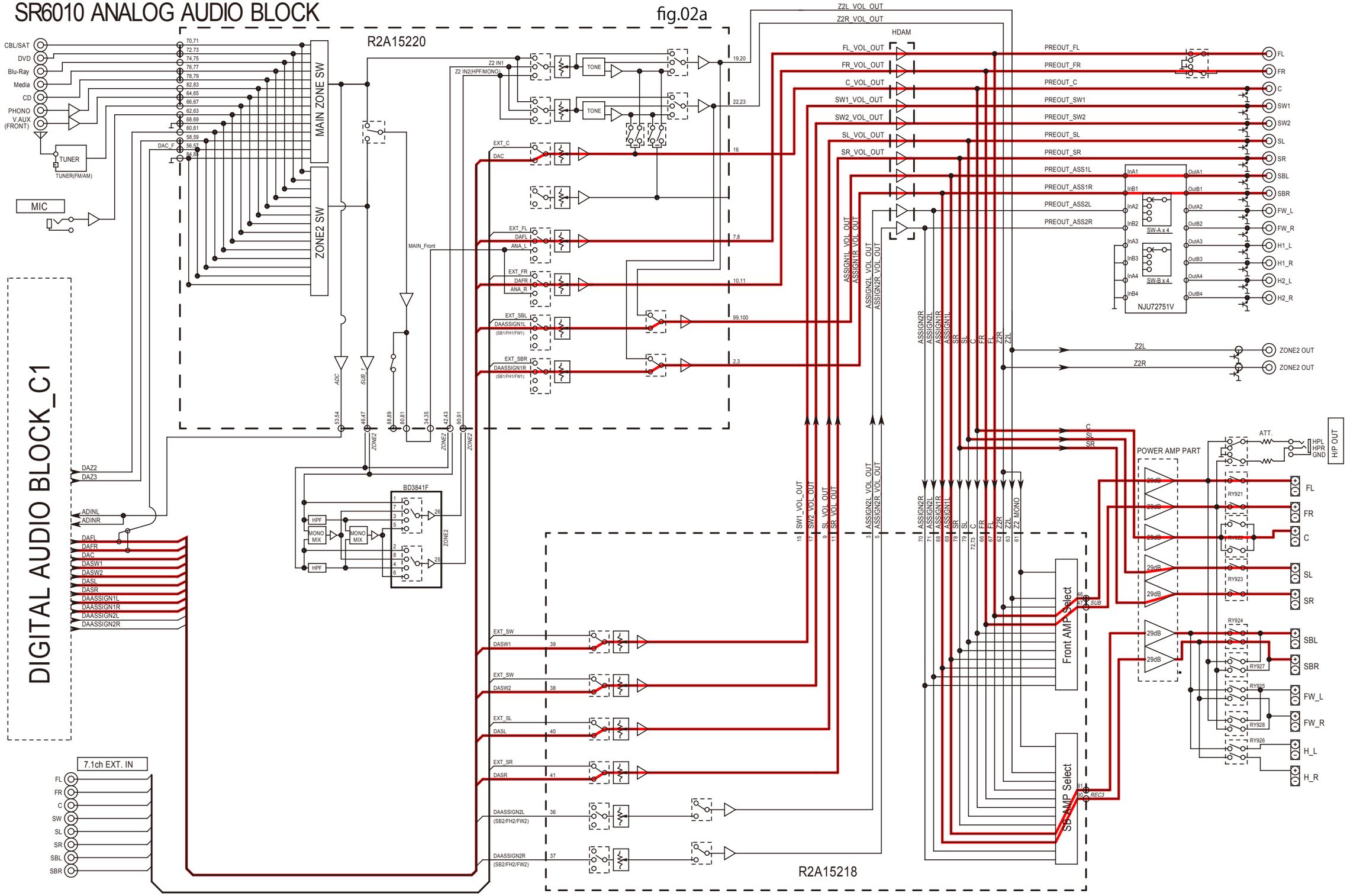
	Paths to be confirmed	Display	Settings	What to confirm
1	Analog Video **fig.14**	L1 V01VIDEO L2 ***.*dB	Input Source : CBL/SAT Video Convert (IP Scaler) : OFF, All sources MAIN ZONE : ON ZONE2 : ON	・Component input ⇒ Component output ・CVBS input ⇒ CVBS output (※ The input source can be switched to any source except CBL/SAT.)
2	Video Convert (Analog or HDMI ⇒ HDMI) **fig.15a fig.15b**	L1 V02CONV L2 ***.*dB	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	・CVBS input ⇒ IP Scaler ⇒ HDMI output. ・Component input ⇒ IP Scaler ⇒ HDMI output. ・HDMI input ⇒ IP Scaler ⇒ HDMI output. ・ETHERNET input ⇒ IP Scaler ⇒ HDMI output. (※ The input source can be switched to any source except CBL/SAT.)
3	HDMI pass (MAIN ZONE) **fig.16**	L1 V03HDMI L2 ***.*dB	Input Source : CBL/SAT Video Convert (IP Scaler): OFF MAIN ZONE : ON, All sources ZONE2 : OFF	・HDMI input ⇒ HDMI output(MAIN) (※ The input source can be switched to any source except CBL/SAT.)
4	HDMI CEC **fig.17**	L1 V04CEO L2 ***.*dB	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.)
5	HDMI Audio (Audio :AVR) **fig.18a fig.18b fig.18c**	L1 V05H-AVR L2 ***.*dB	Input Source : CBL/SAT HDMI Control : OFF HDMI Audio : AVR (if checking the audio output from AVR)	・HDMI input (PCM, DolbyDigital, DTS) ⇒ Speaker output. ・HDMI input(HD audio) ⇒ Speaker output. (※ The input source can be switched to any source except CBL/SAT.)
6	HDMI Audio (Audio :TV) **fig.19a fig.19b**	L1 V06H-TV L2 ***.*dB	Input Source : CBL/SAT HDMI Control : OFF HDMI Audio : AVR (if checking the audio output from AVR)	・HDMI input(PCM, DolbyDigital, DTS) ⇒ HDMI output (audio output from connected TV) (※ The input source can be switched to any source except CBL/SAT.)
7	GUI **fig.20**	L1 V07MENU L2 ***.*dB	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	・GUI display ⇒ HDMI output. (※ The input source can be switched to any source except CBL/SAT.)
8	HDMI (ZONE2) **fig.21**	L1 V08Z2HD L2 ***.*dB	Input Source : CBL/SAT ZONE2 Source : Source MAIN ZONE : ON ZONE2 : ON	・HDMI input ⇒ HDMI output (ZONE2) (※ The input source can be switched to any source except CBL/SAT.)

DIAGNOSTIC PATH DIAGRAM



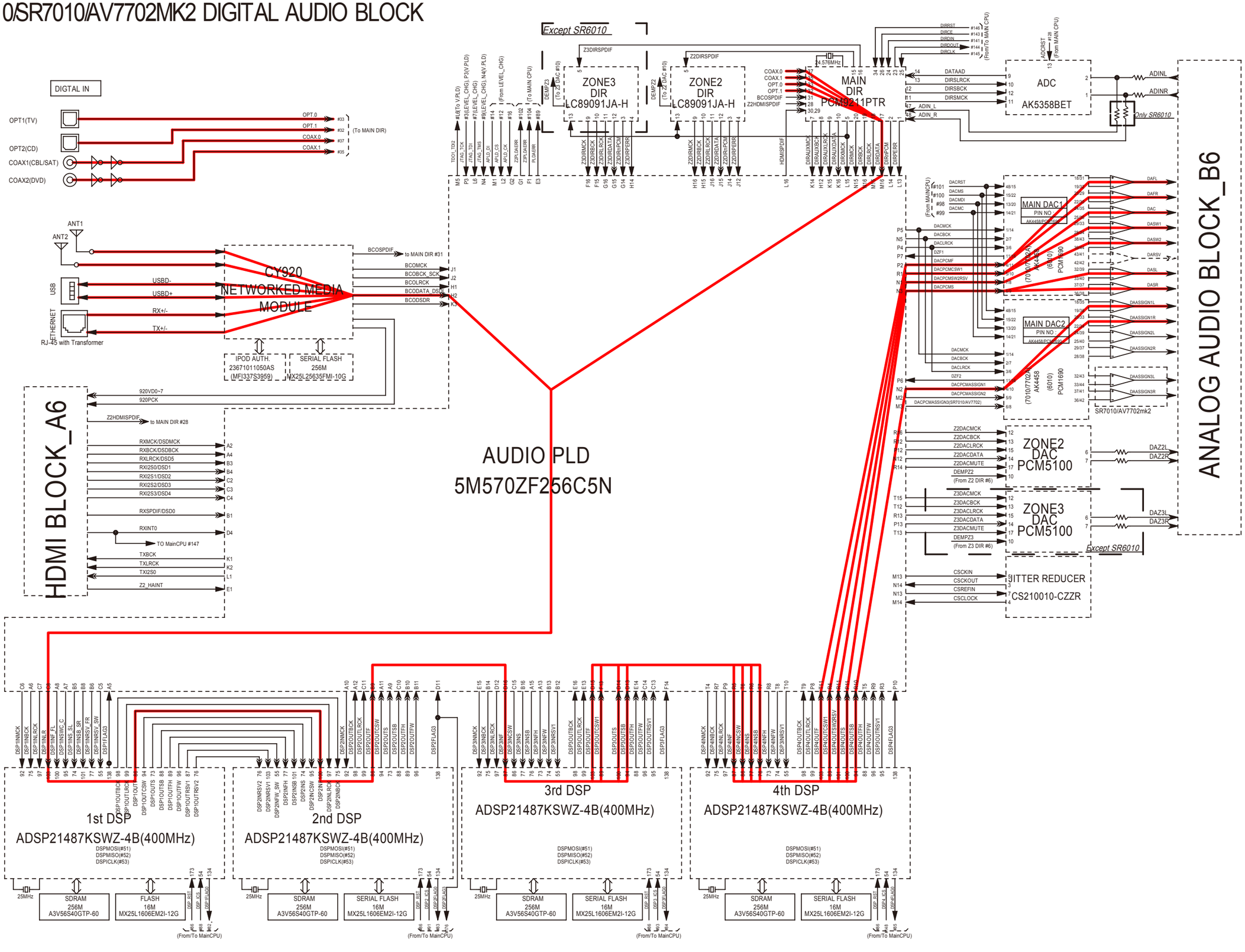
SR6010 ANALOG AUDIO BLOCK

fig.02a



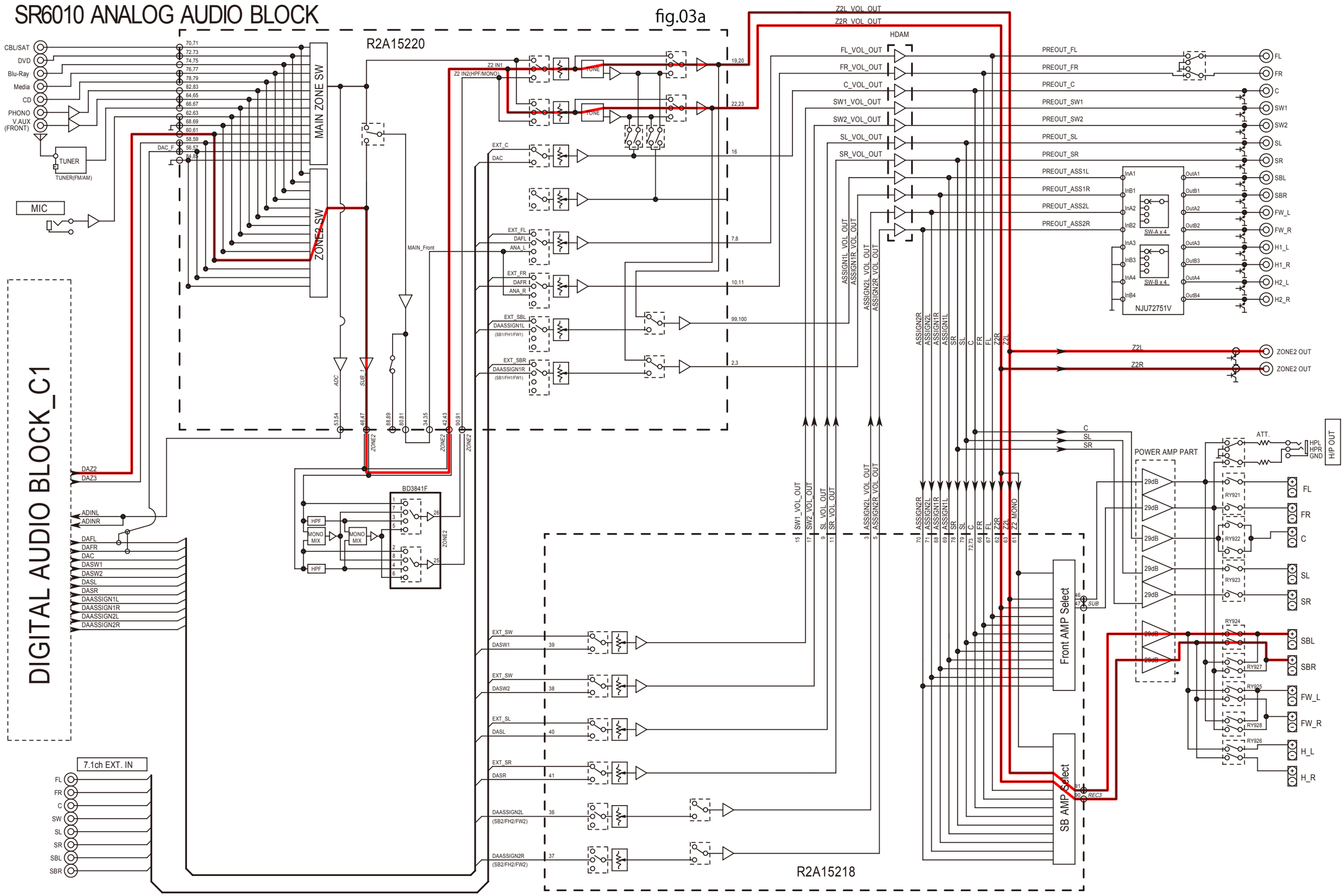
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.02b



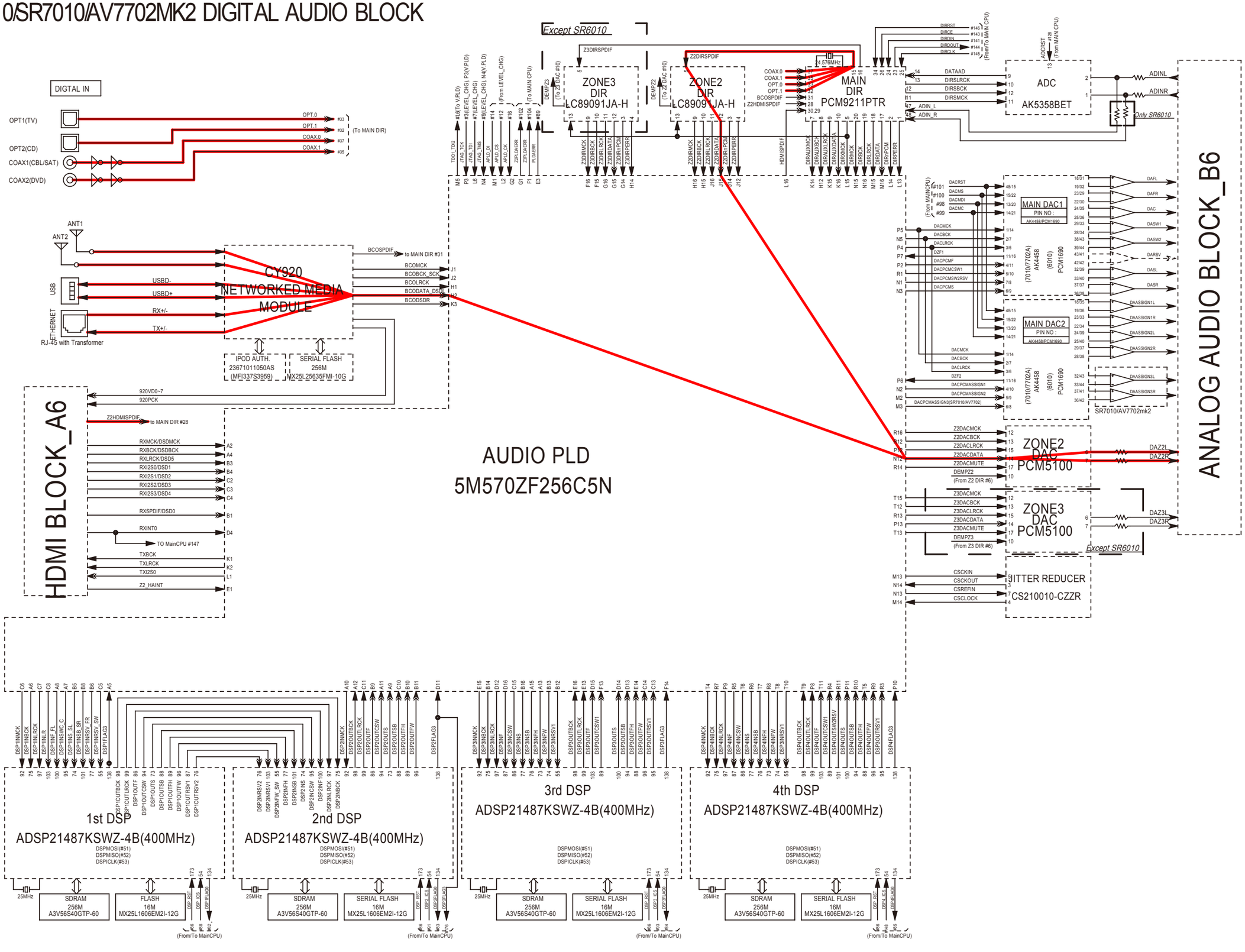
SR6010 ANALOG AUDIO BLOCK

fig.03a



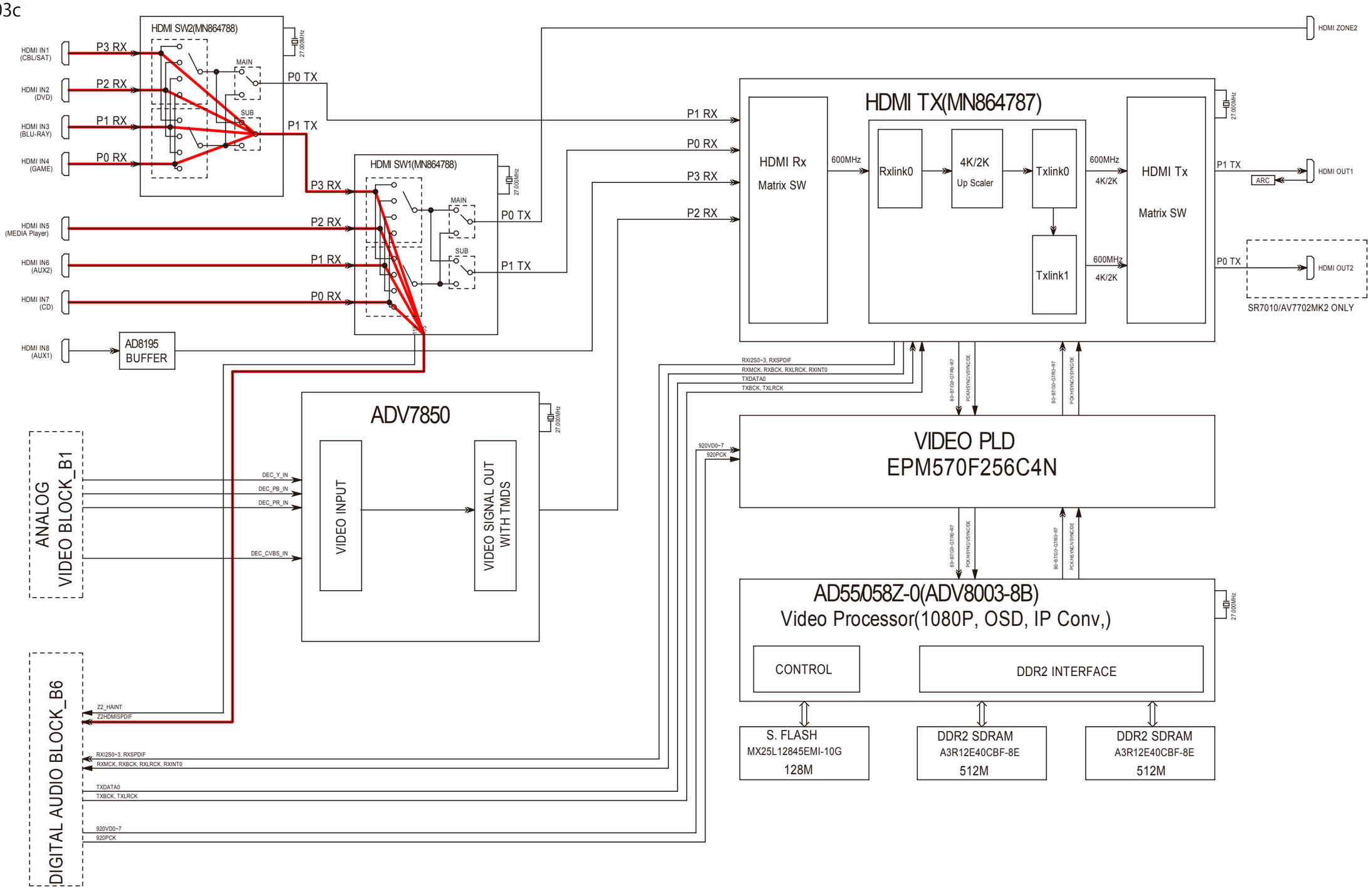
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.03b



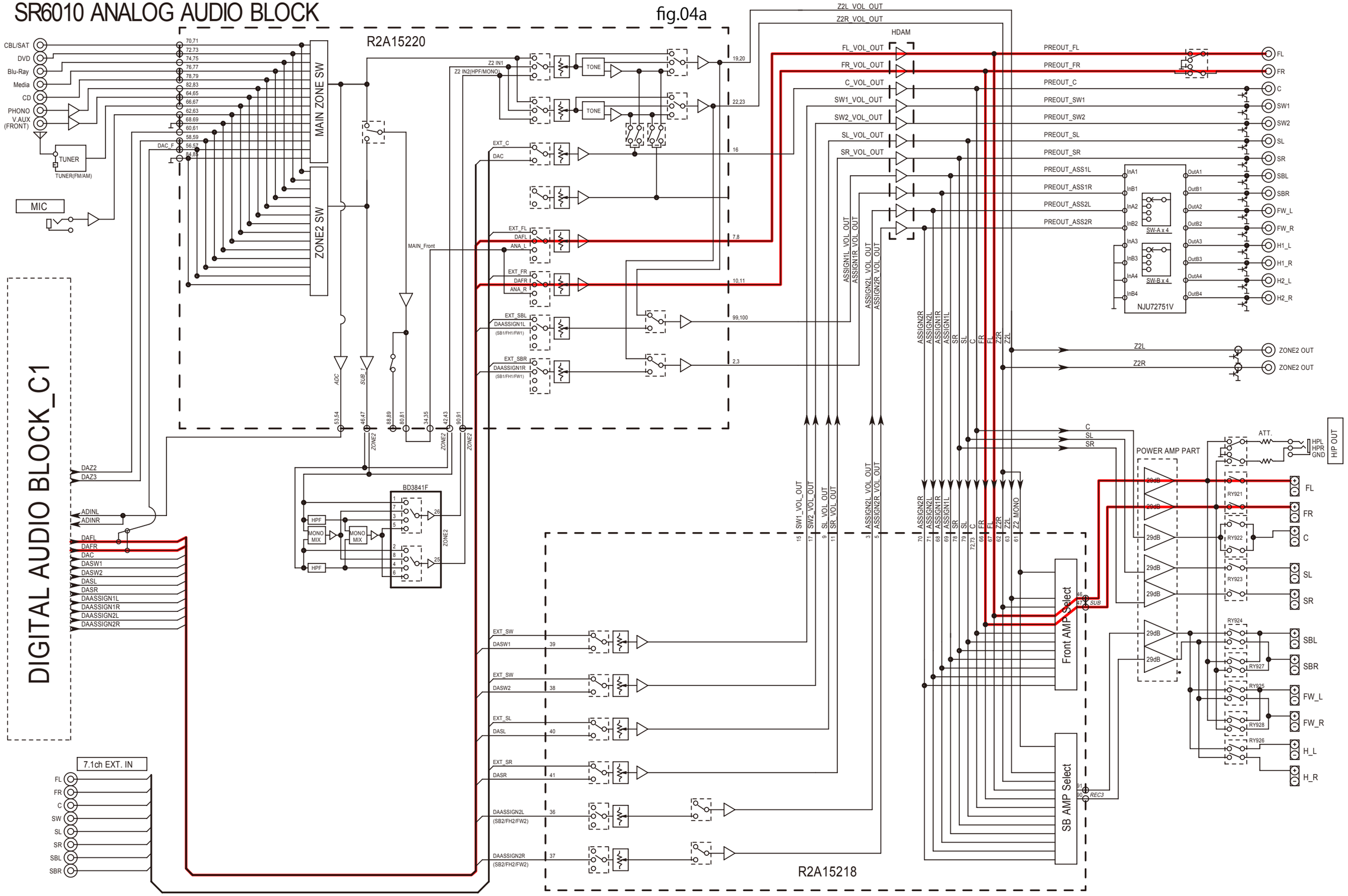
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.03c



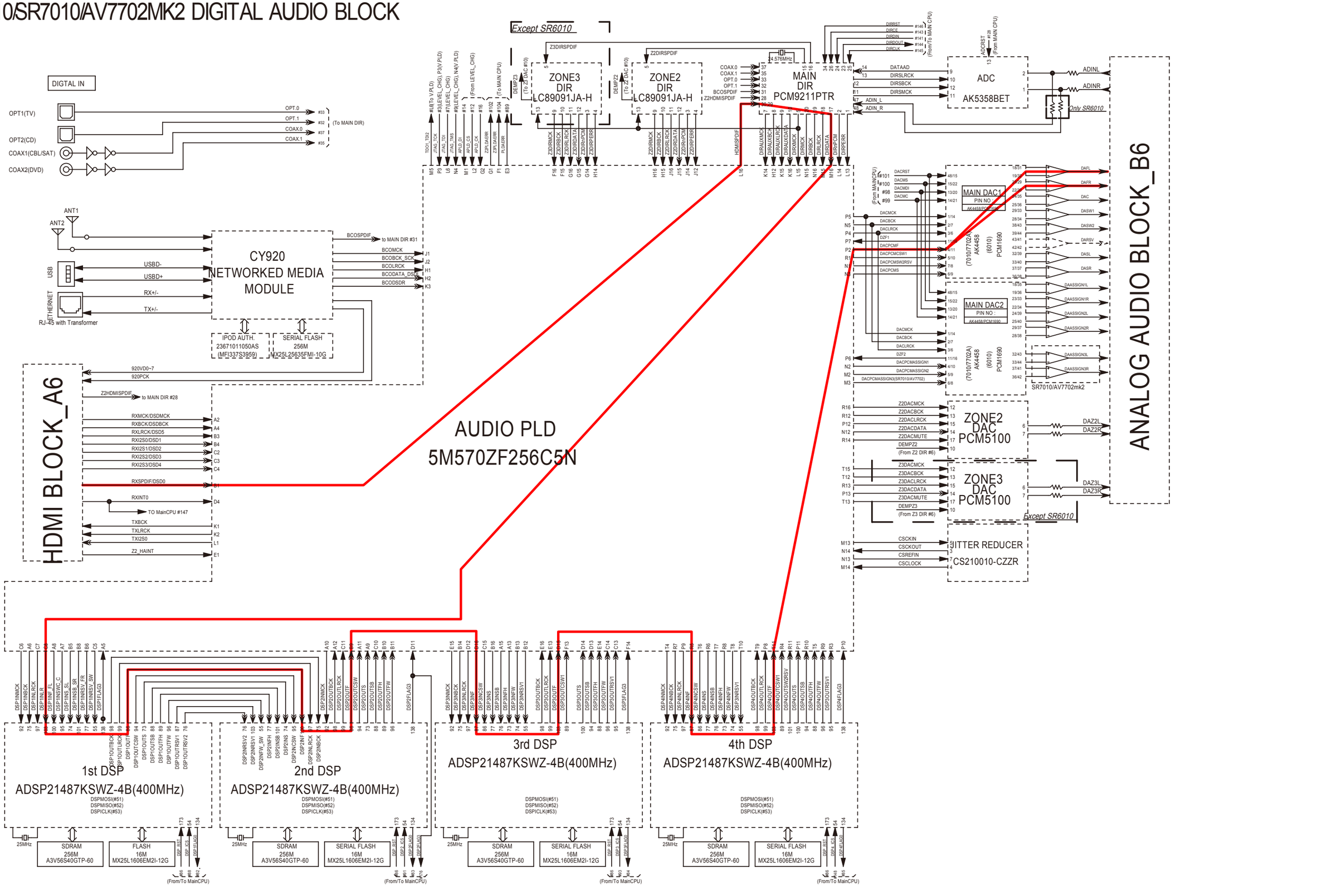
SR6010 ANALOG AUDIO BLOCK

fig.04a



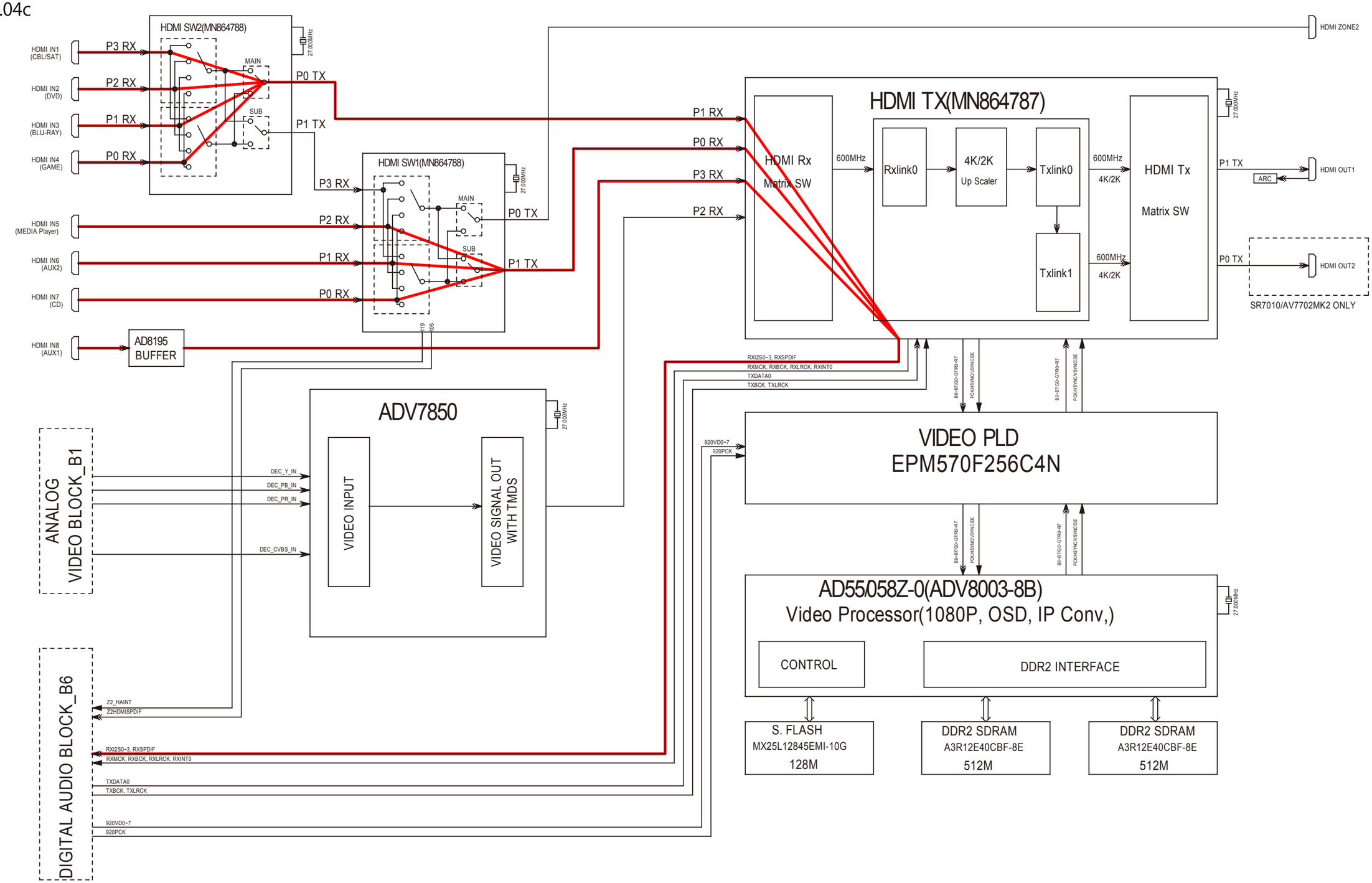
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.04b



SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.04c



SR6010 ANALOG AUDIO BLOCK

fig.05a

R2A15220

CBL/SAT
DVD
Blu-Ray
Media
CD
PHONO
V.AUX (FRONT)
TUNER
TUNER(FM/AM)
MIC
MAIN ZONE SW
ZONE2 SW
DAC_F
TONE
Z2 IN1
Z2 IN2(HPF/MONO)
EXT_C
DAC
EXT_FL
DAFL
ANA_L
EXT_FR
DAFR
ANA_R
EXT_SBL
DAASSIGN1L
(SB1/FH1/FW1)
EXT_SBR
DAASSIGN1R
(SB1/FH1/FW1)
MAIN_Front
ADC
SUB_I
ZONE2
BD3841F
HPF
MONO MIX
ZONE2

Z2L_VOL_OUT
Z2R_VOL_OUT
HDAM
FL_VOL_OUT
FR_VOL_OUT
C_VOL_OUT
SW1_VOL_OUT
SW2_VOL_OUT
SL_VOL_OUT
SR_VOL_OUT
ASSIGN1L_VOL_OUT
ASSIGN1R_VOL_OUT
ASSIGN2L_VOL_OUT
ASSIGN2R_VOL_OUT
PREOUT_FL
PREOUT_FR
PREOUT_C
PREOUT_SW1
PREOUT_SW2
PREOUT_SL
PREOUT_SR
PREOUT_ASS1L
PREOUT_ASS1R
PREOUT_ASS2L
PREOUT_ASS2R
NJU72751V
SW-A x 4
SW-B x 4
Z2L
Z2R
ZONE2 OUT
ZONE2 OUT
POWER AMP PART
29dB
ATT.
HPL
HPR
GND
H/P OUT
RY921
RY922
RY923
RY924
RY925
RY926
RY927
RY928
Front AMP Select
SB AMP Select
SUB
REC3

DIGITAL AUDIO BLOCK_C1
DAZ2
DAZ3
ADINL
ADINR
DAFL
DAFR
DAC
DASW1
DASW2
DASL
DASR
DAASSIGN1L
DAASSIGN1R
DAASSIGN2L
DAASSIGN2R

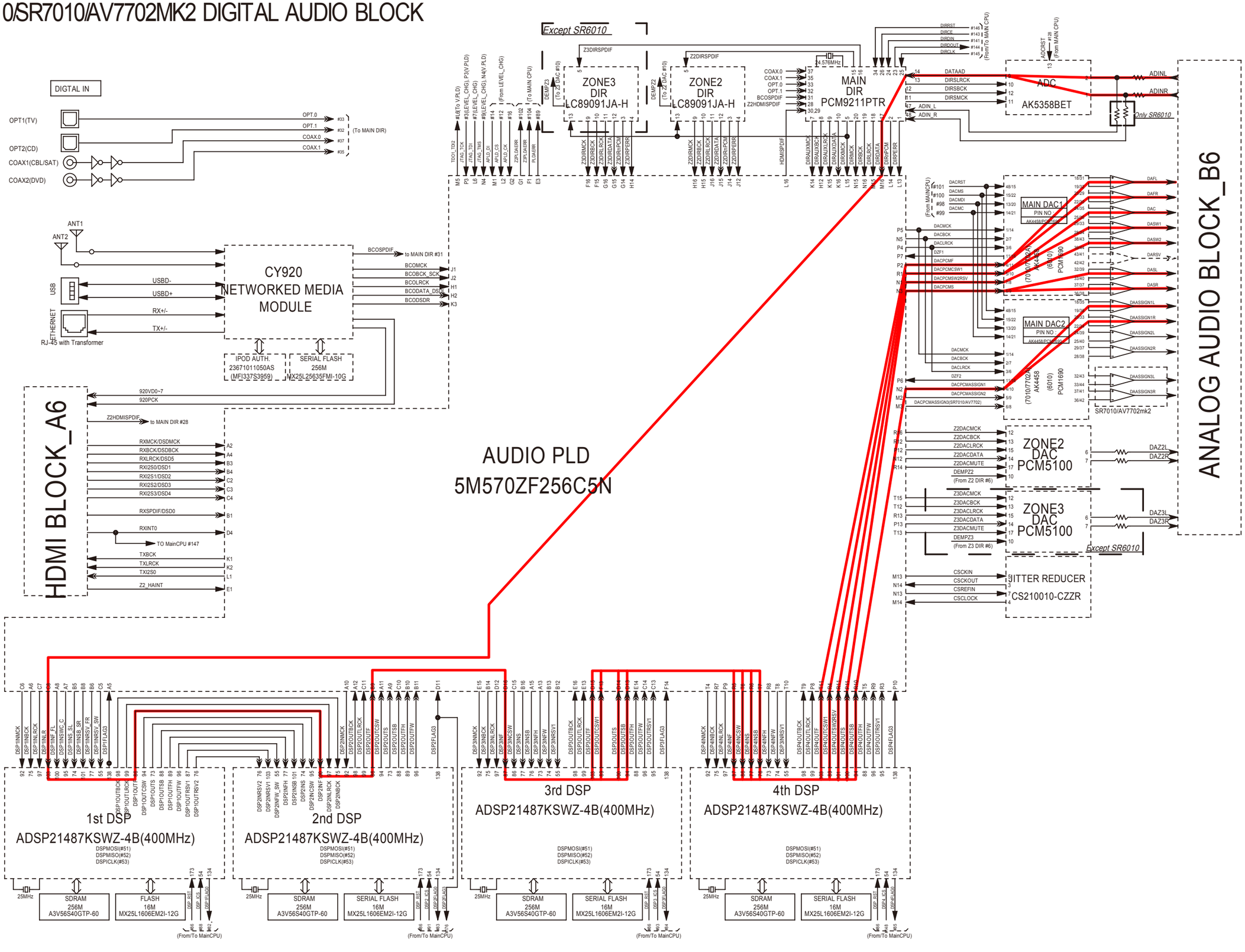
7.1ch EXT. IN
FL
FR
C
SW
SL
SR
SBL
SBR

EXT_SW
DASW1
EXT_SW
DASW2
EXT_SL
DASL
EXT_SR
DASR
DAASSIGN2L
(SB2/FH2/FW2)
DAASSIGN2R
(SB2/FH2/FW2)

R2A15218

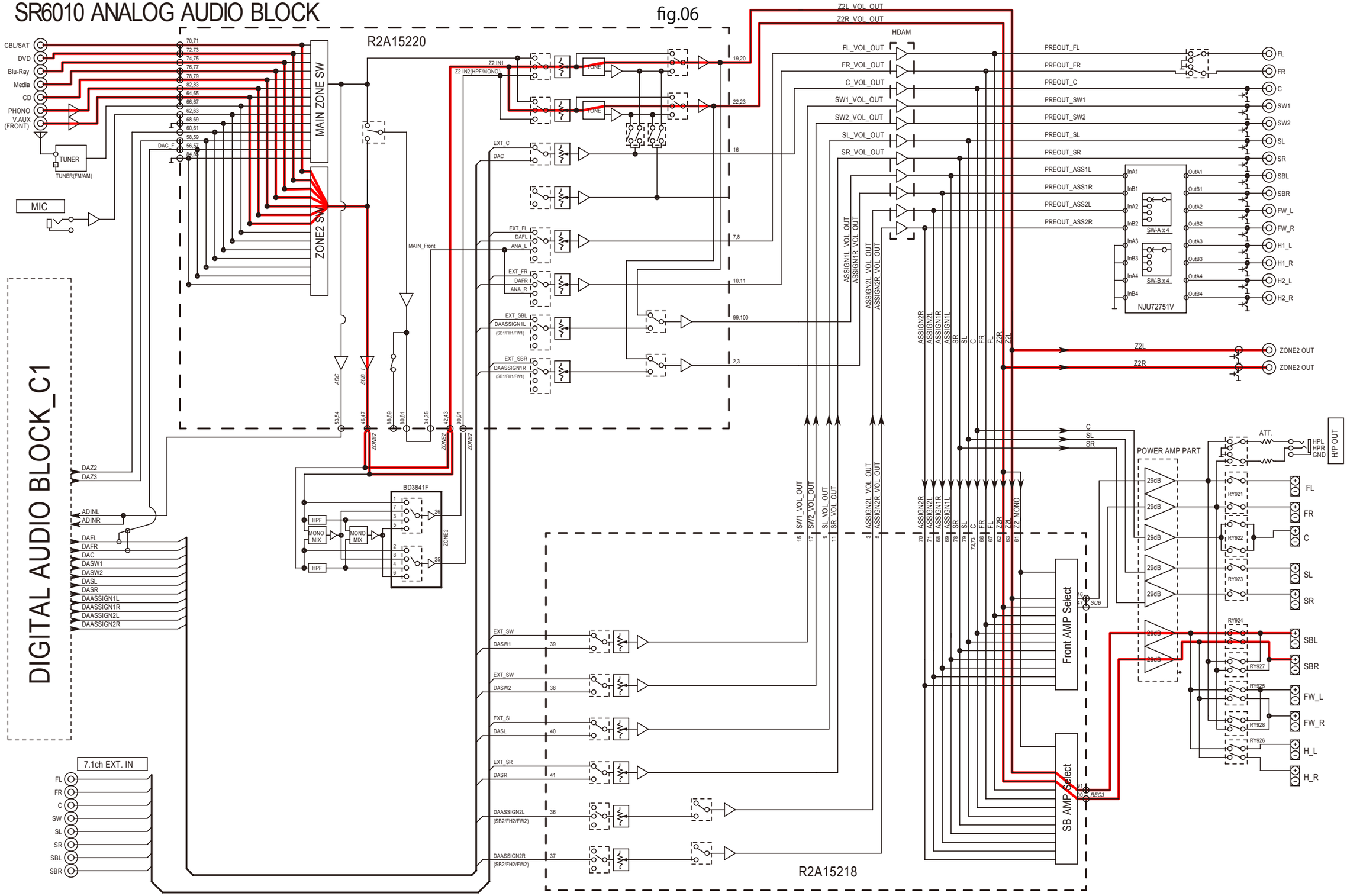
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.05b



SR6010 ANALOG AUDIO BLOCK

fig.06



SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.07a

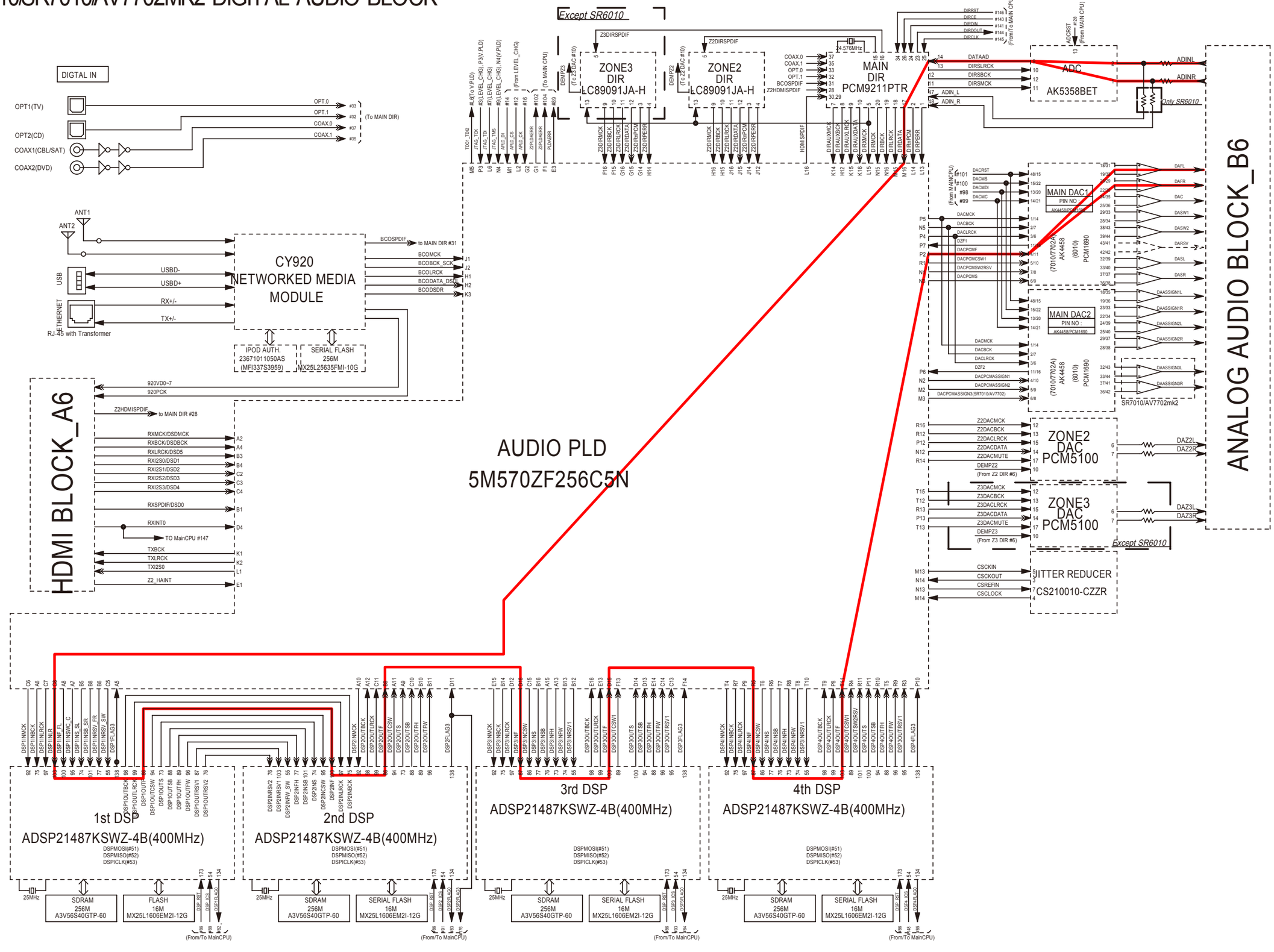


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fig.07b

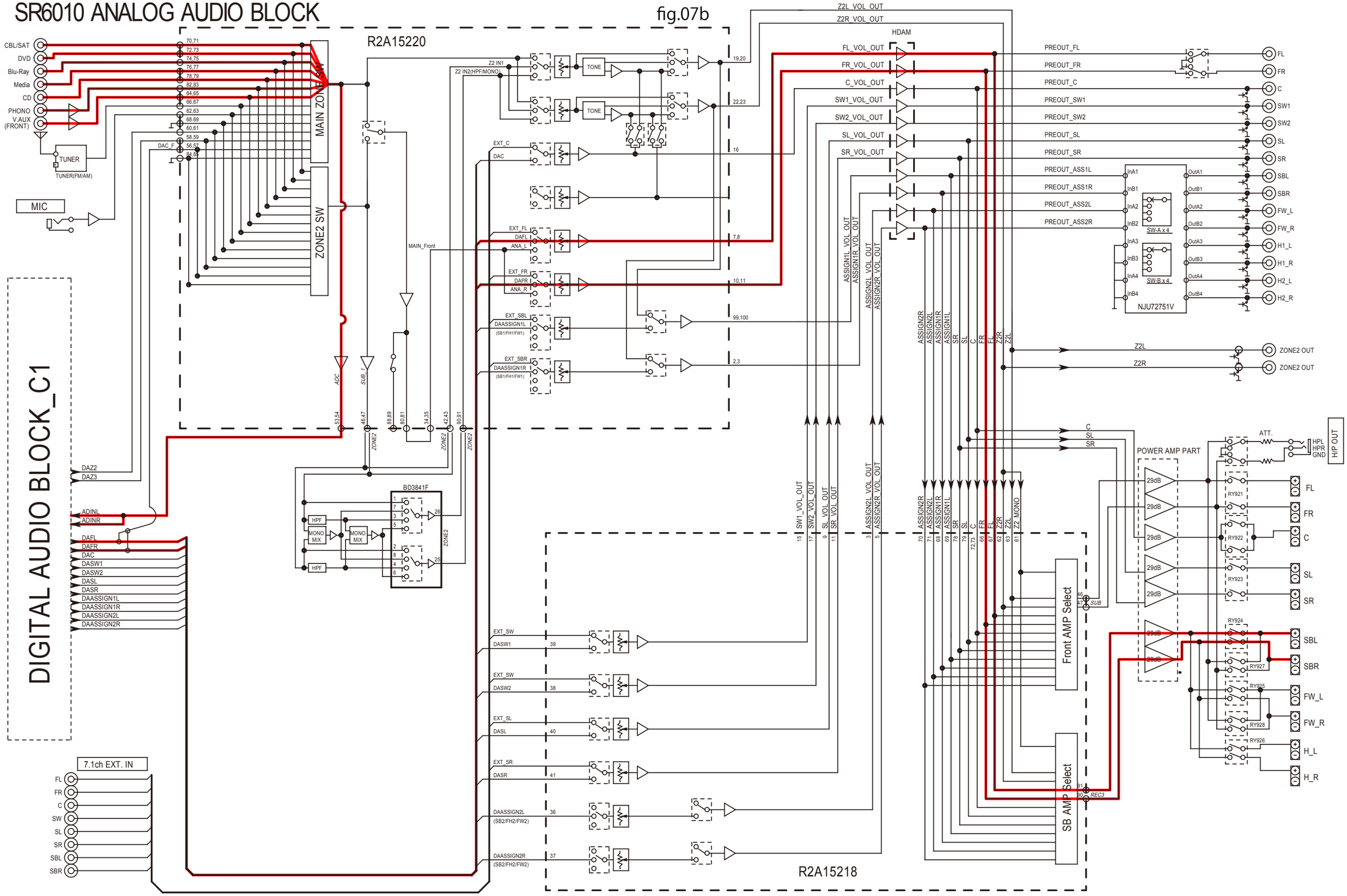

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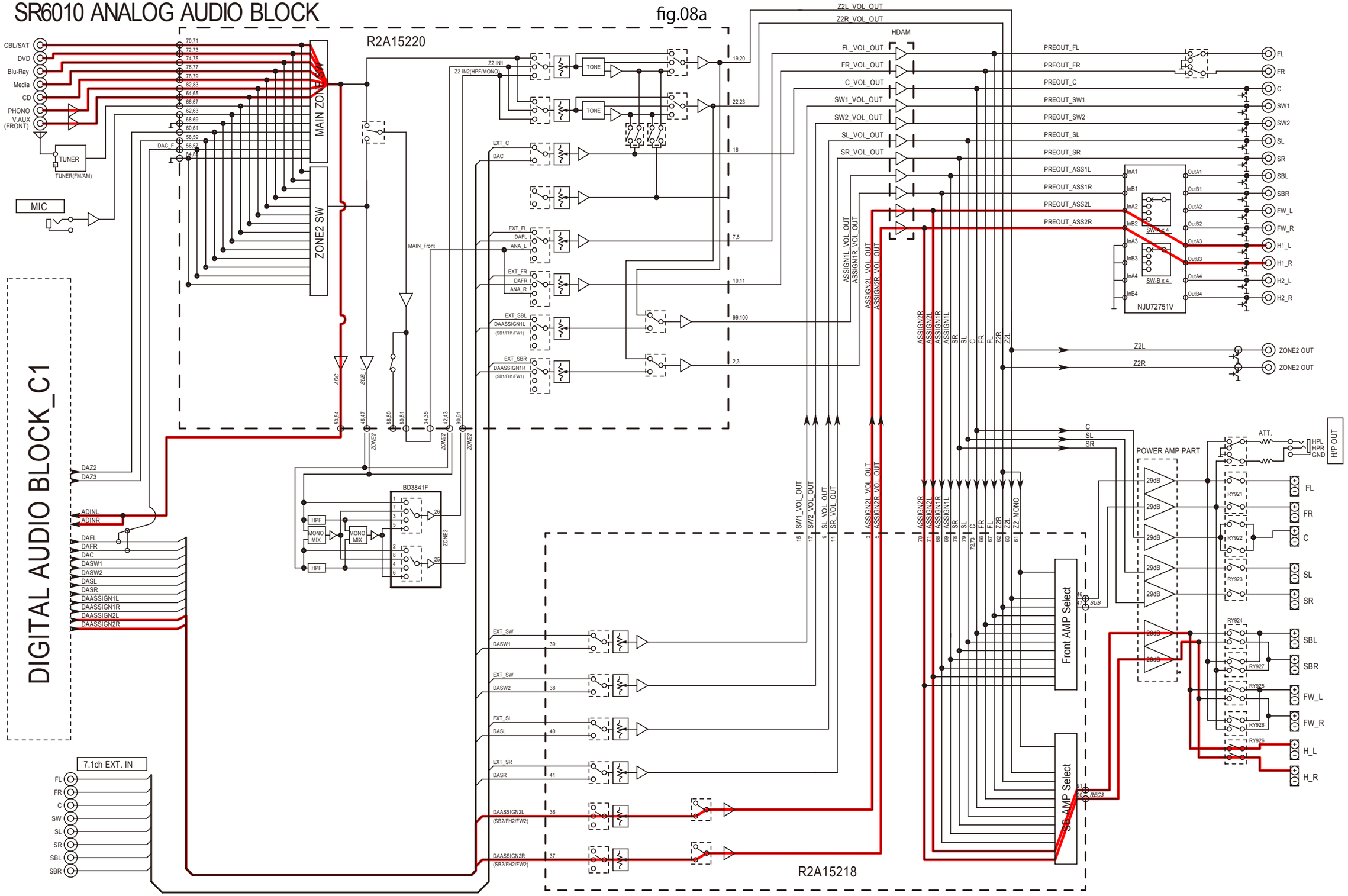
fig.08a



SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.08b

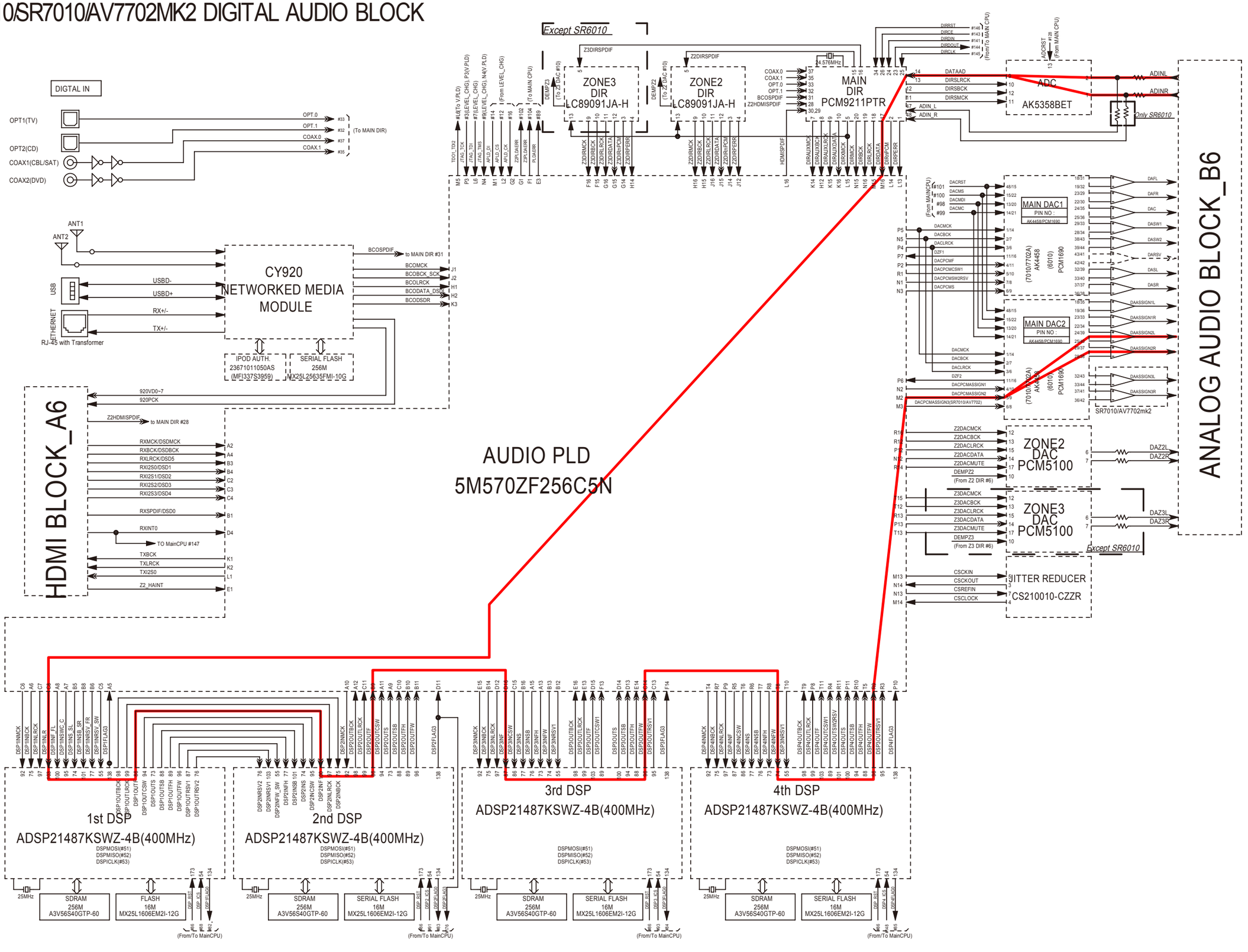


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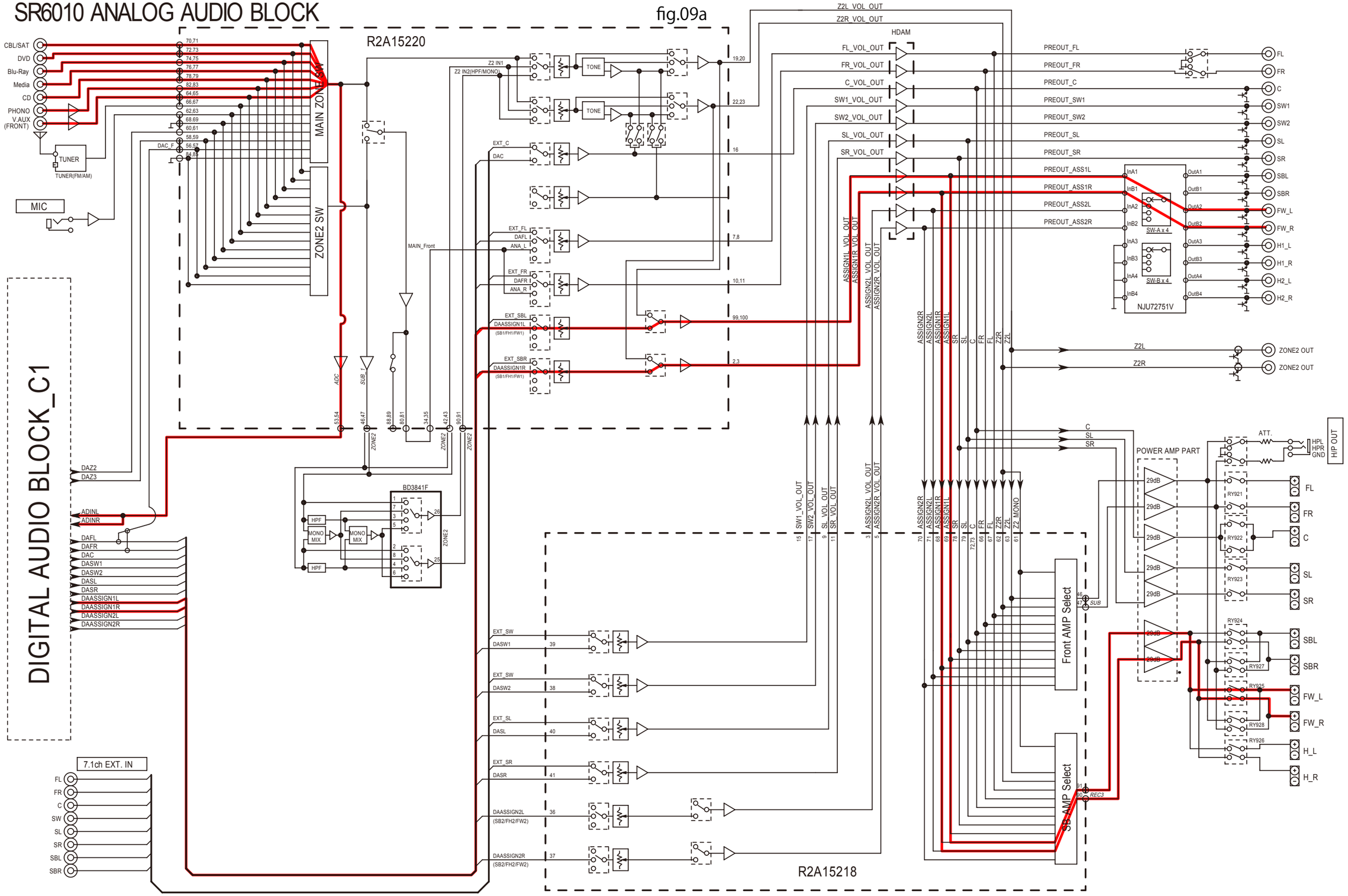
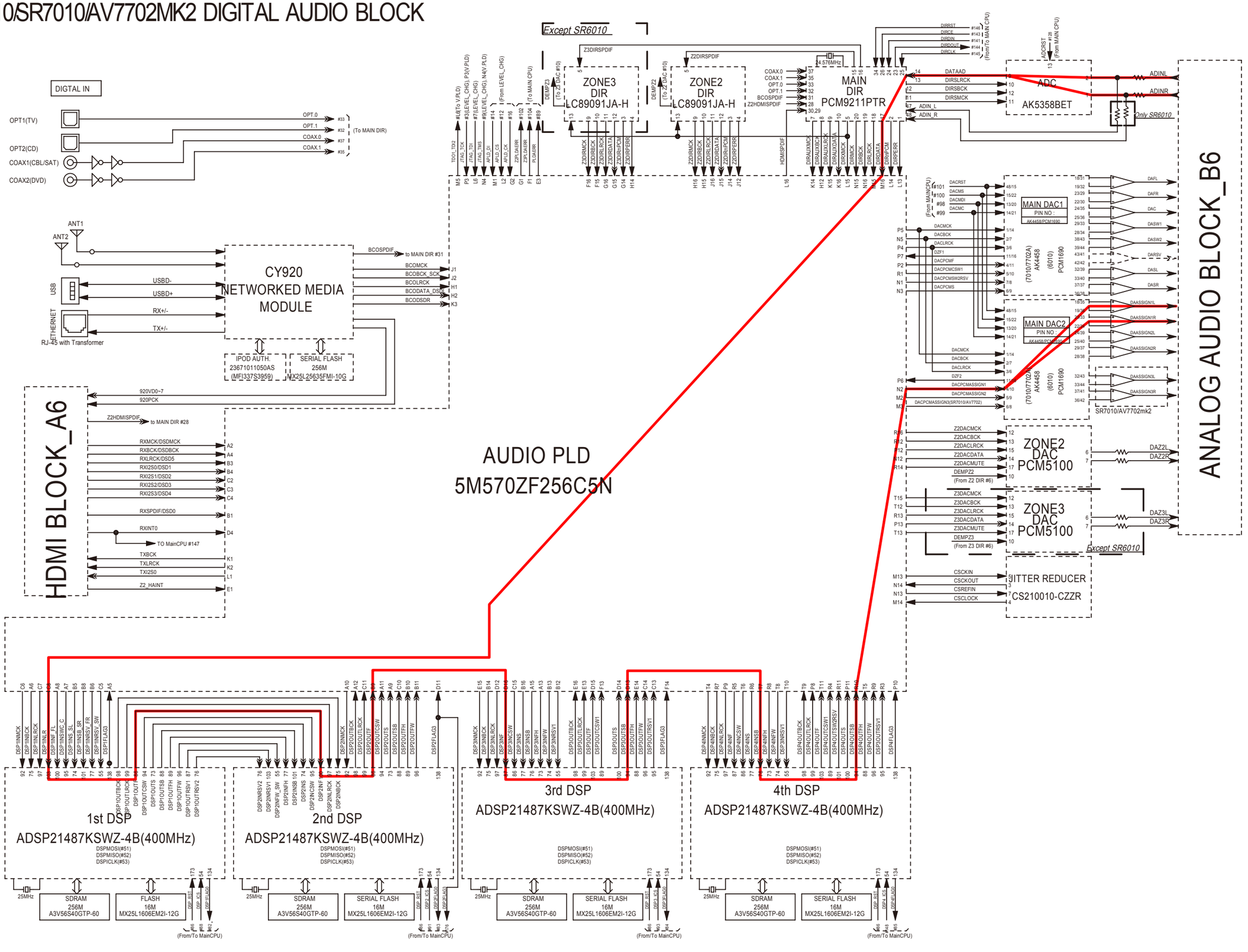
fig.09a



SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.09b



SR6010 ANALOG AUDIO BLOCK

fig.10

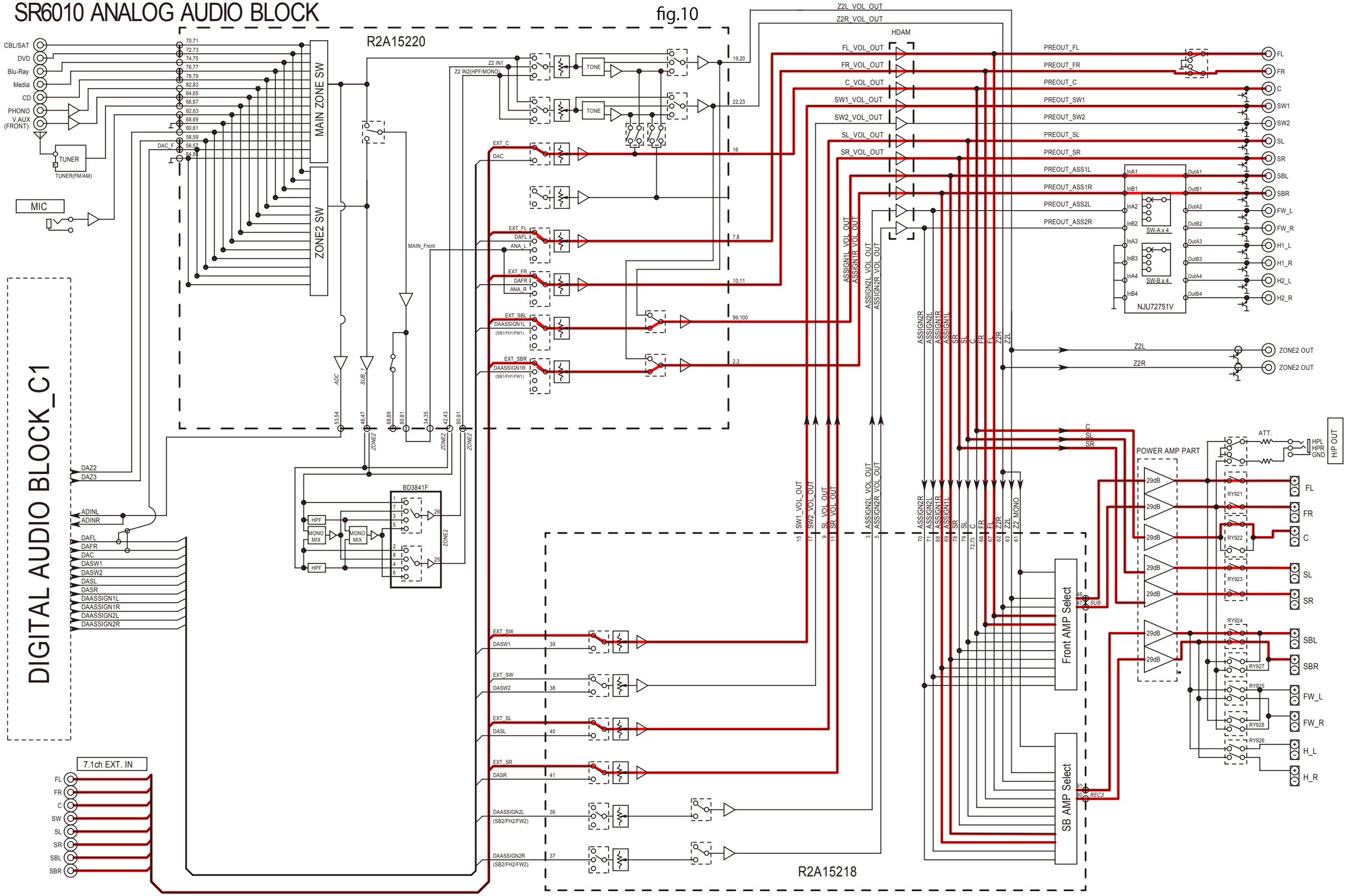


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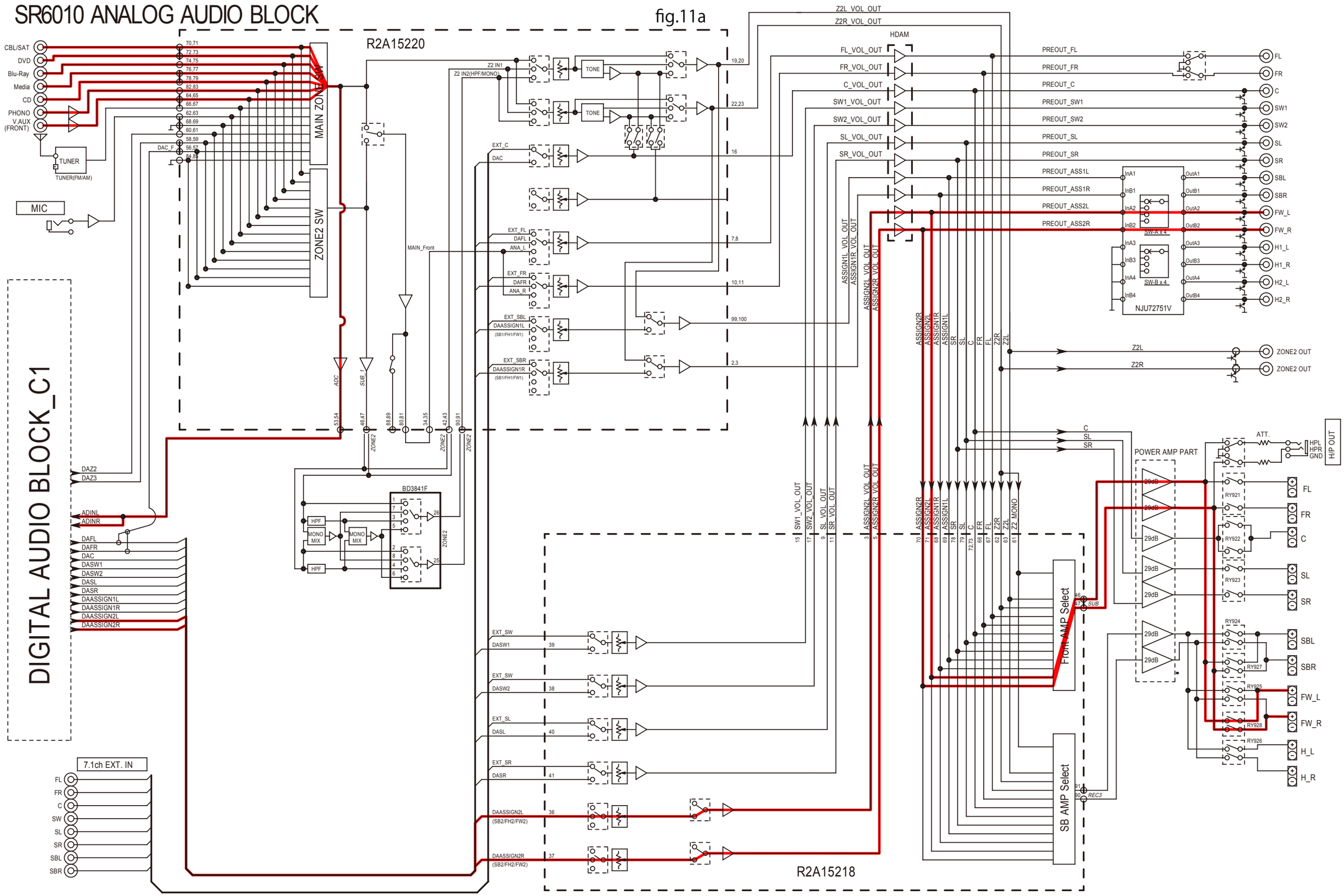
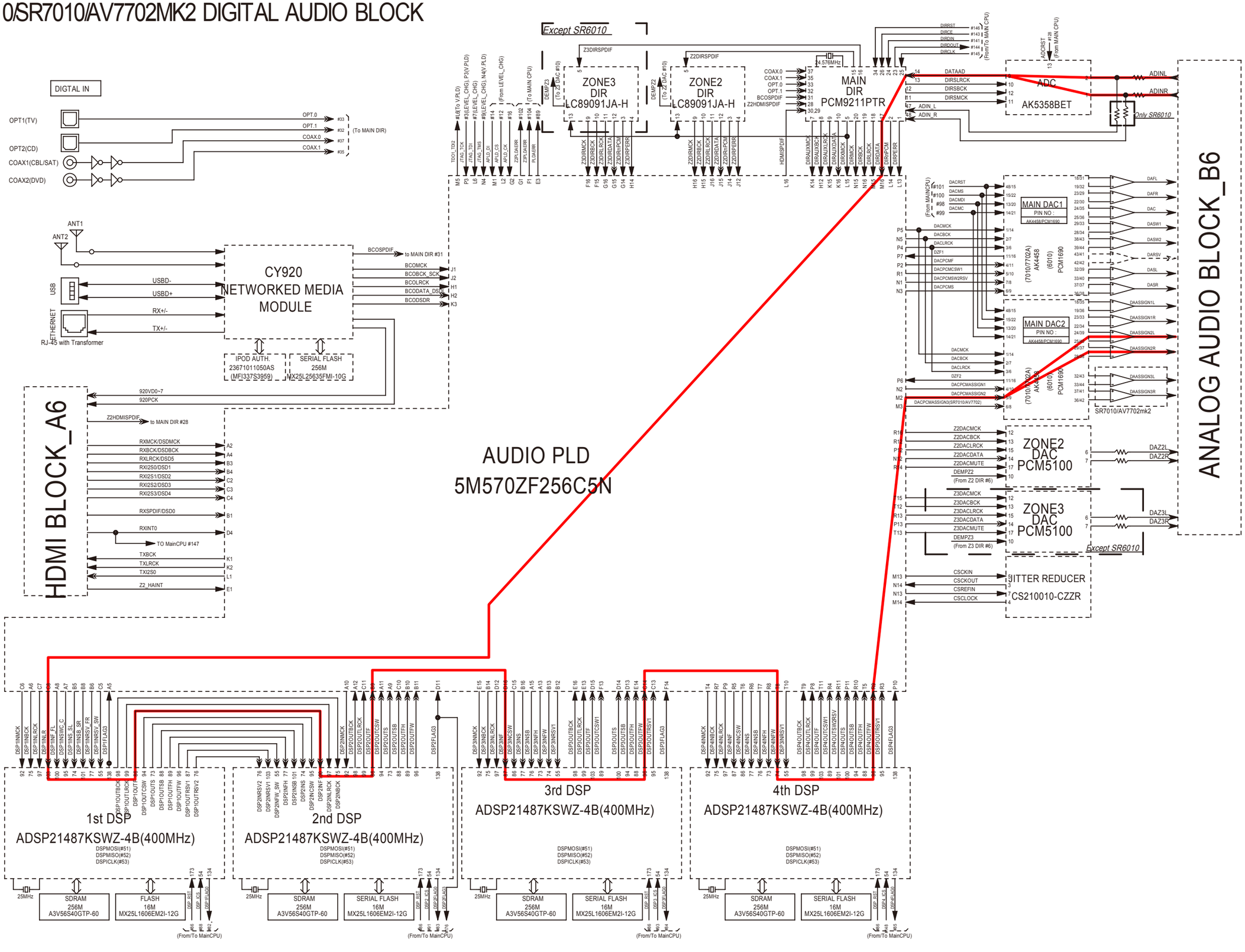
fig.11a



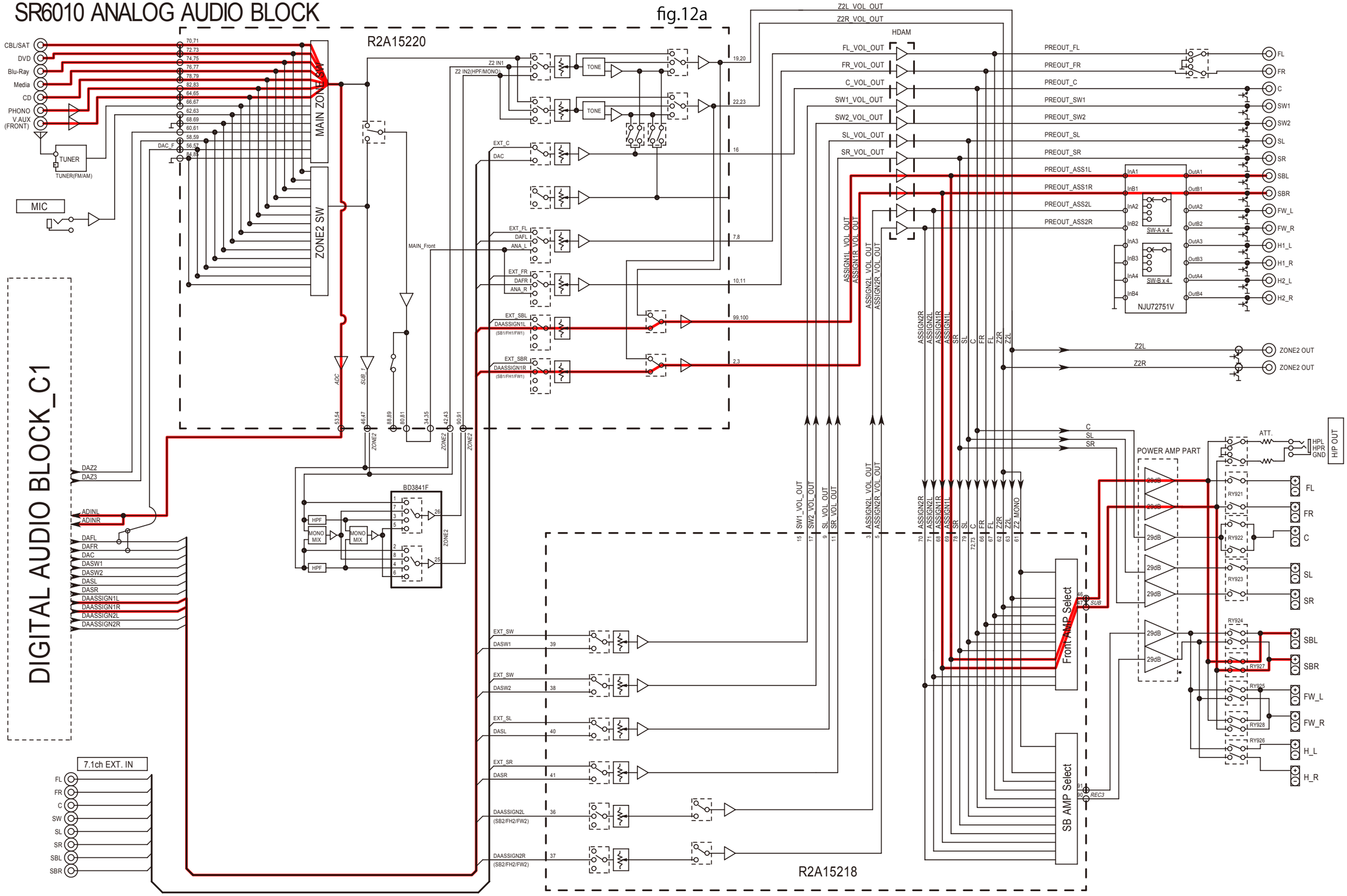
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.11b



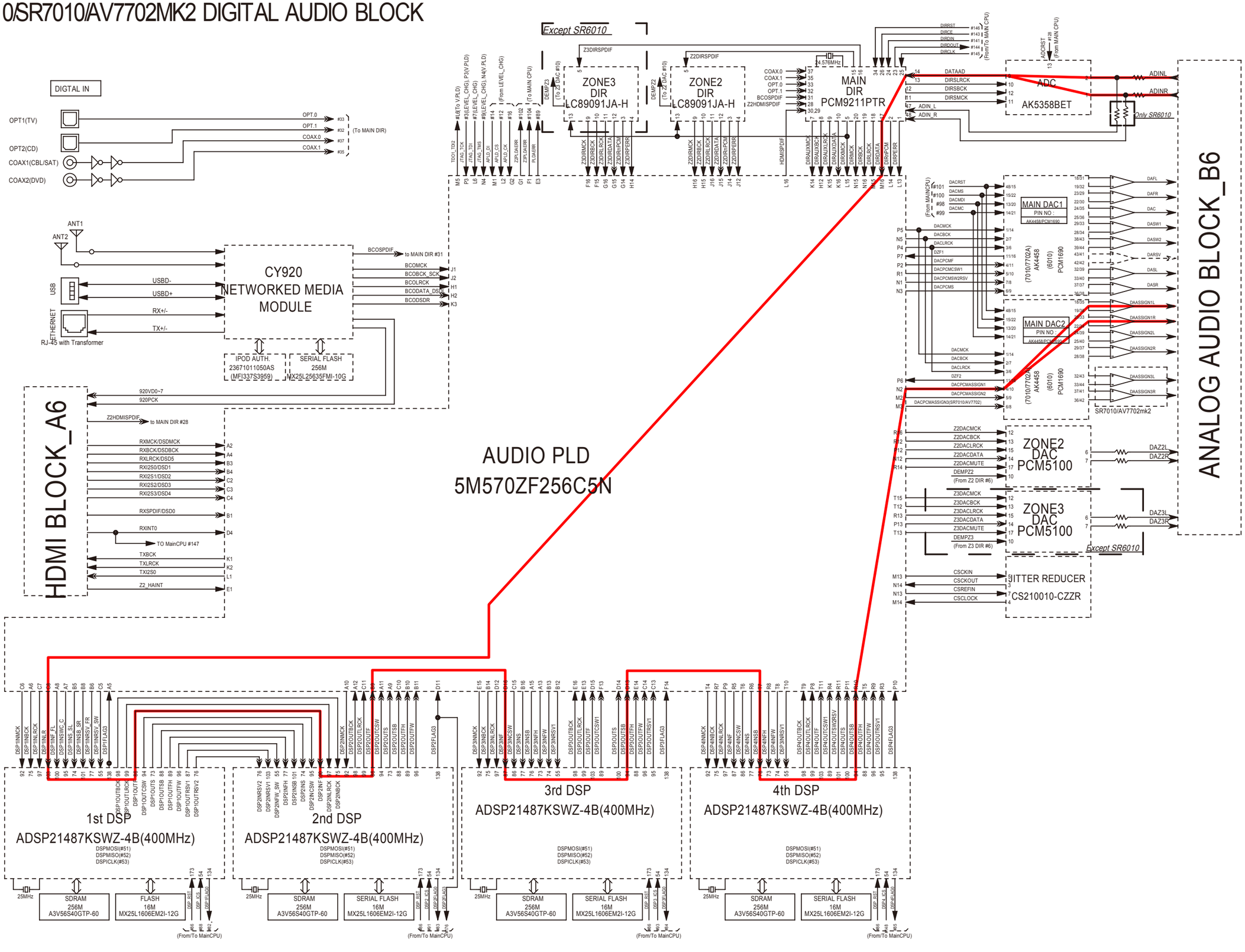
SR6010 ANALOG AUDIO BLOCK

fig.12a



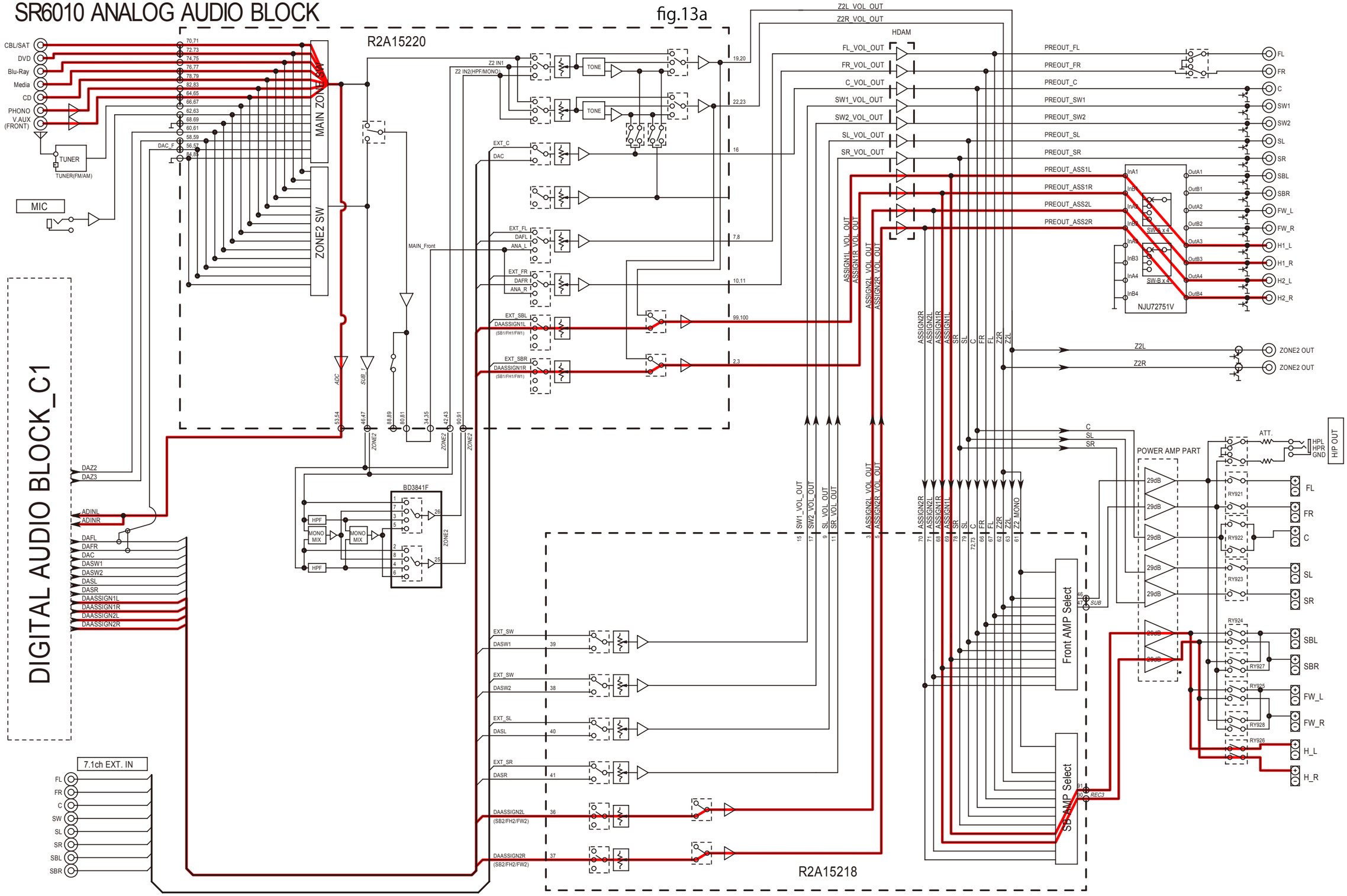
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.12b



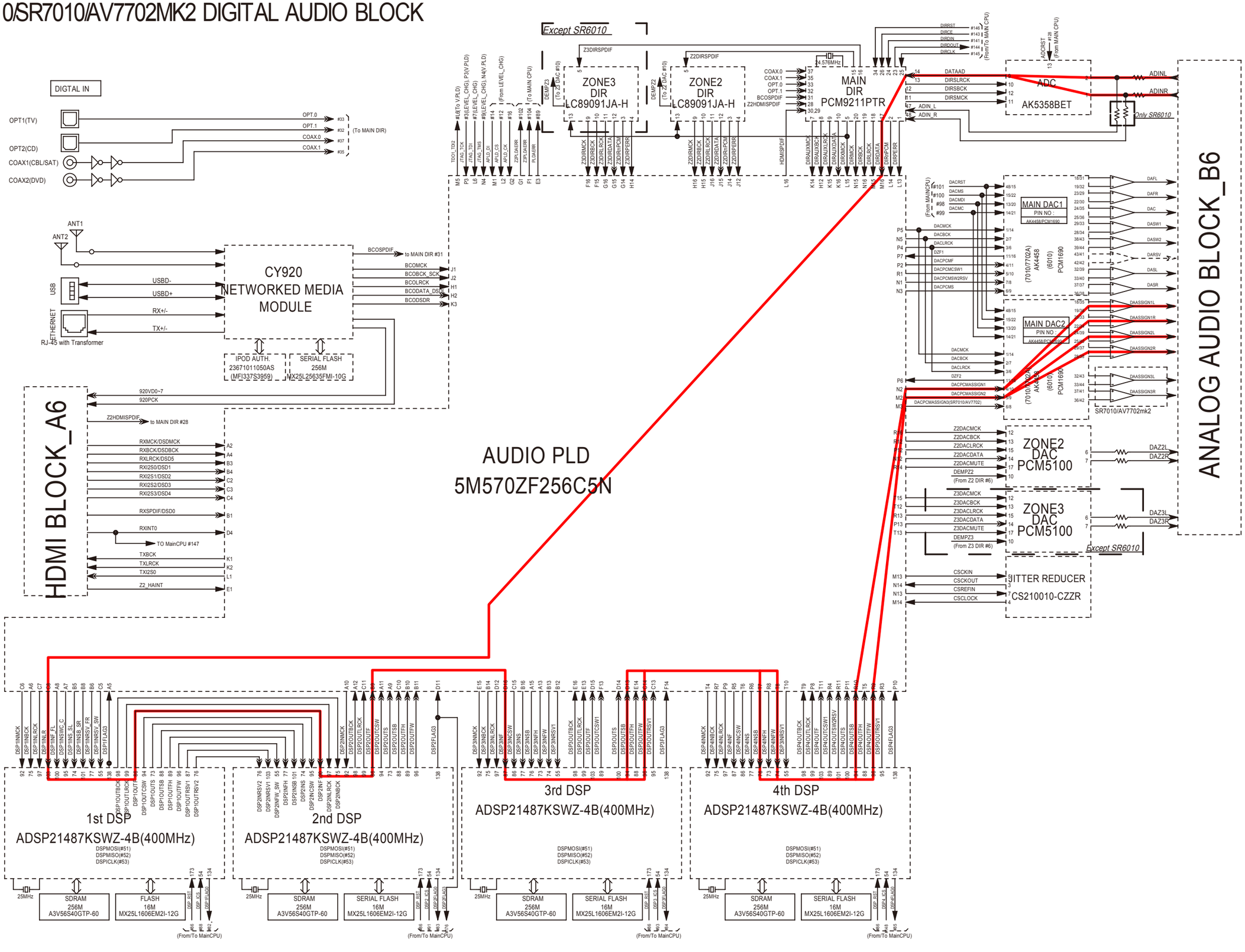
SR6010 ANALOG AUDIO BLOCK

fig.13a



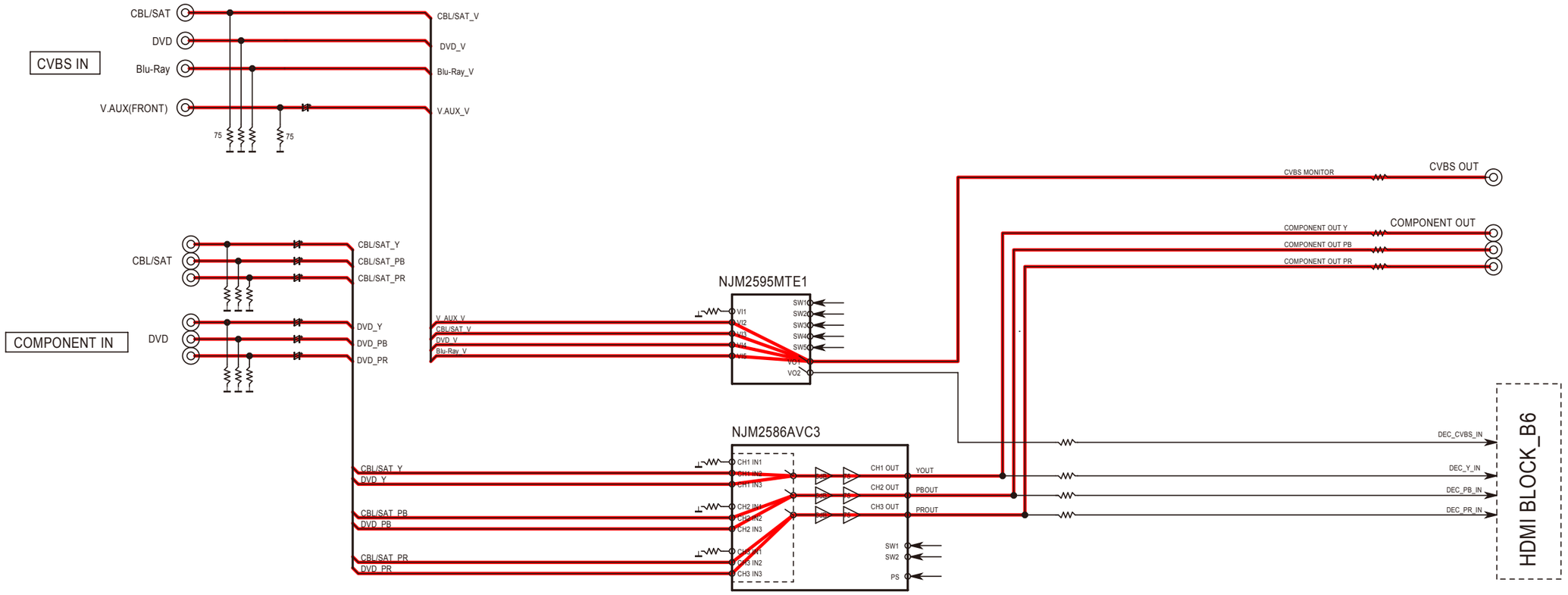
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.13b



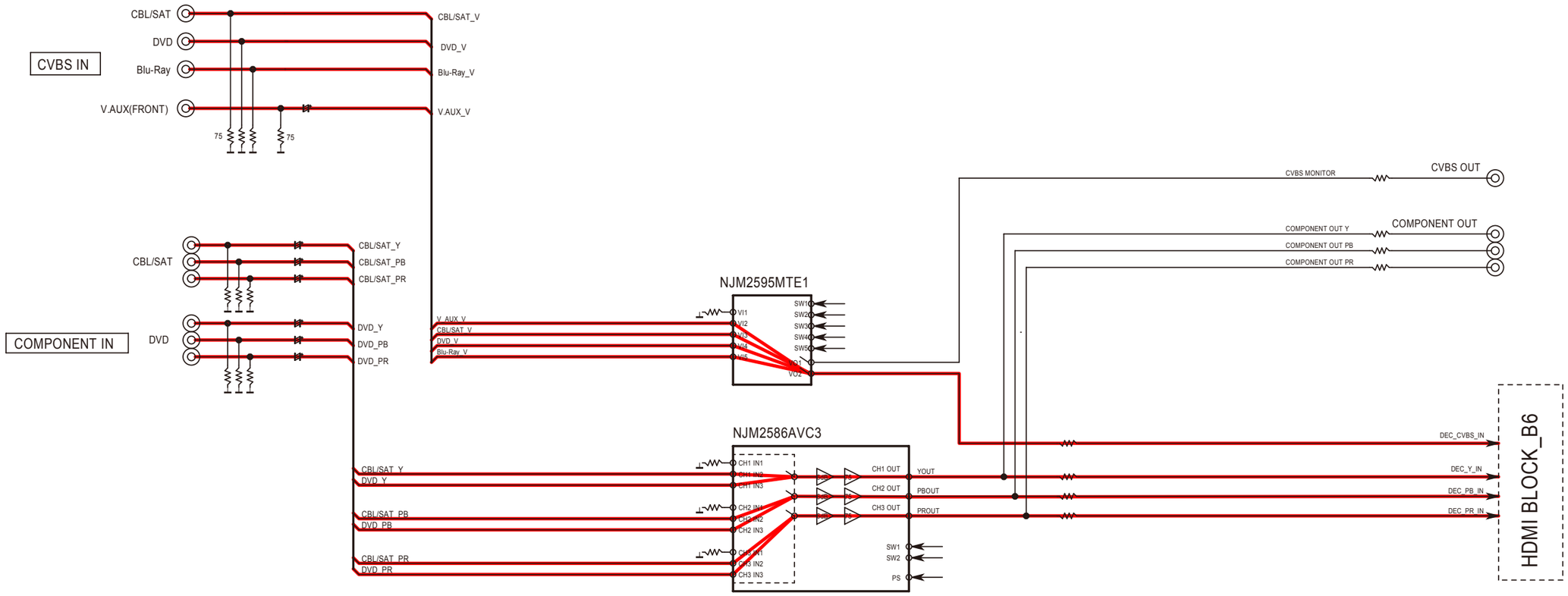
SR6010 ANALOG VIDEO BLOCK

fig.14



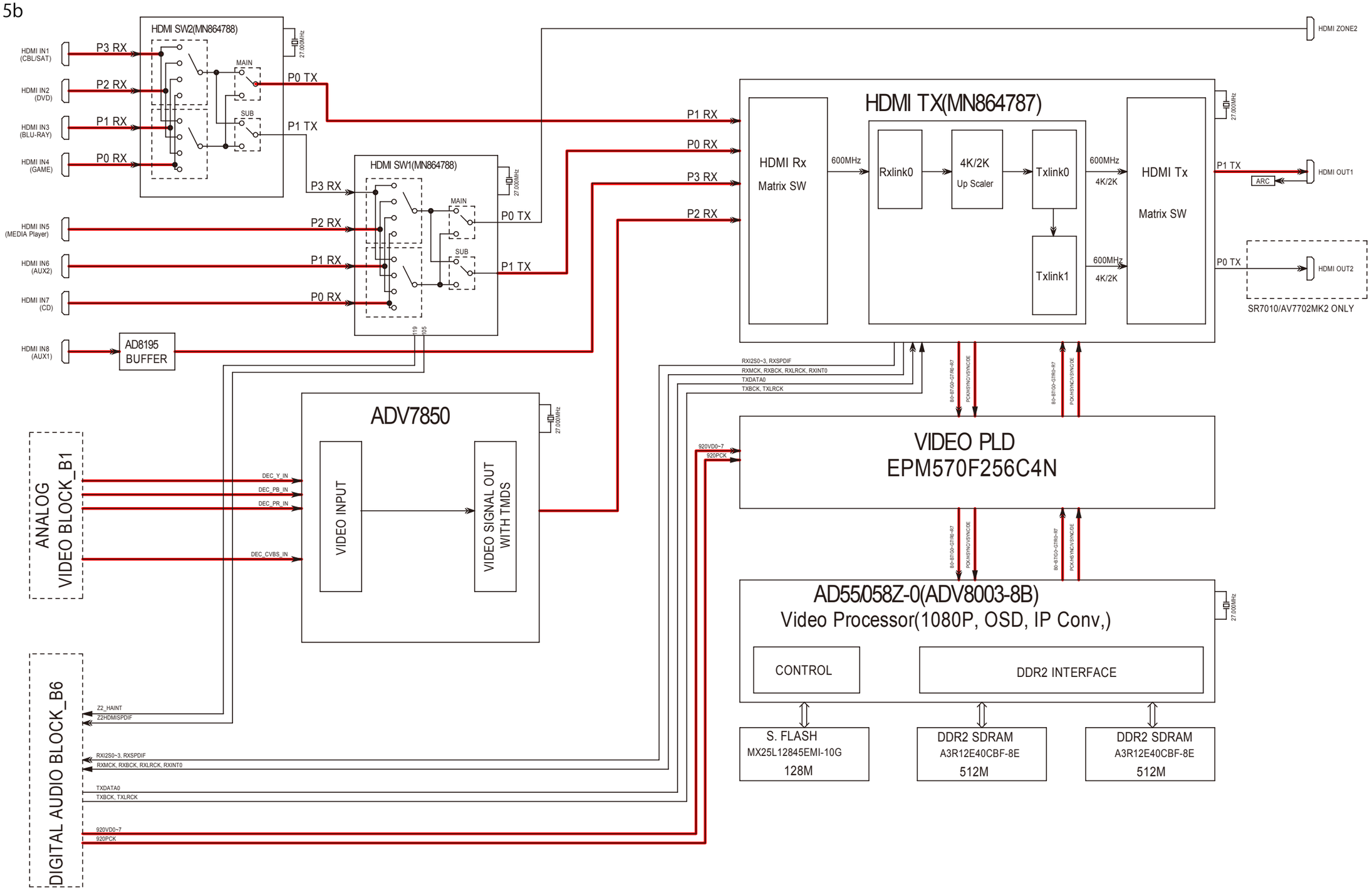
SR6010 ANALOG VIDEO BLOCK

fig.15a



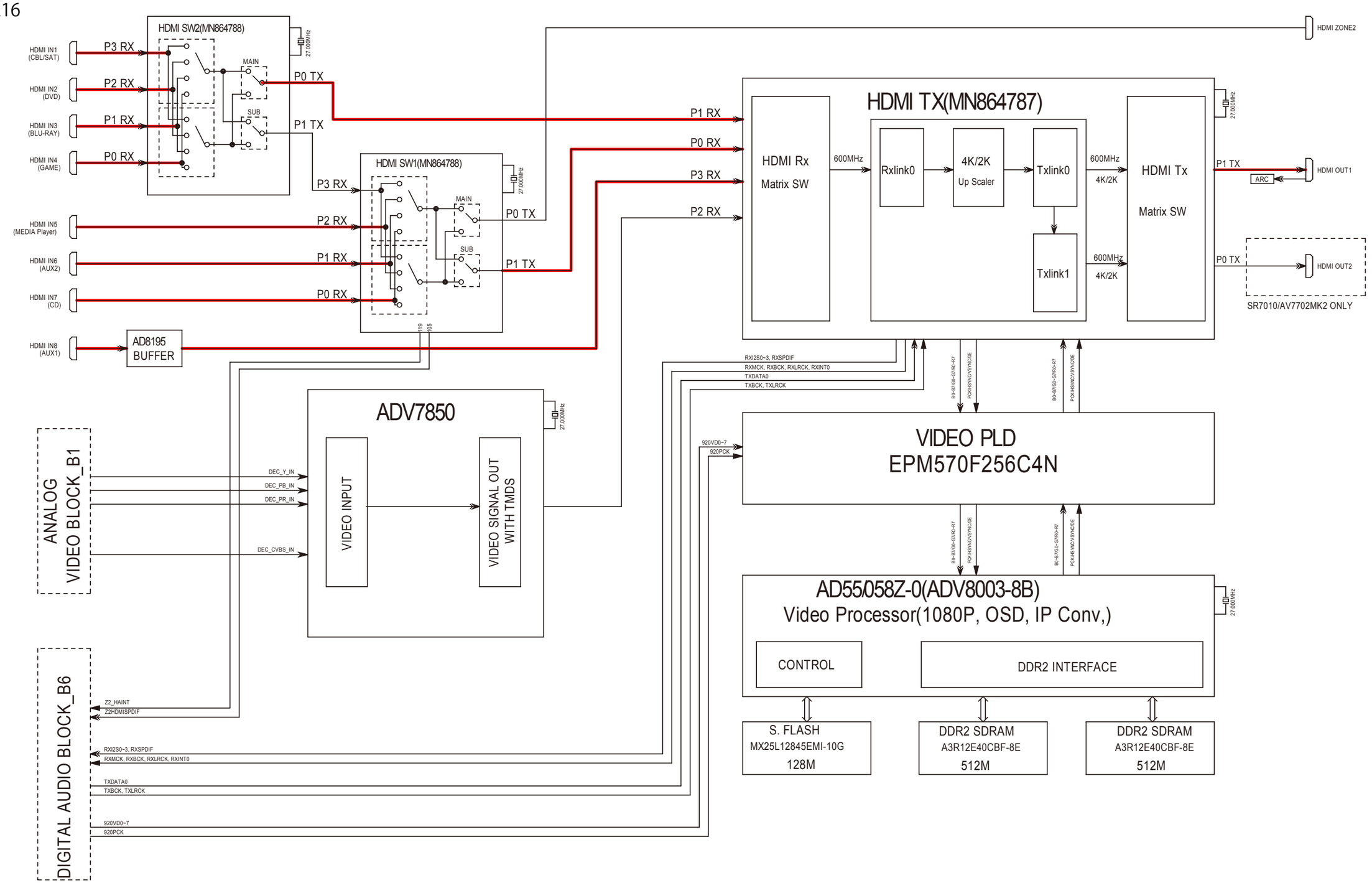
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.15b



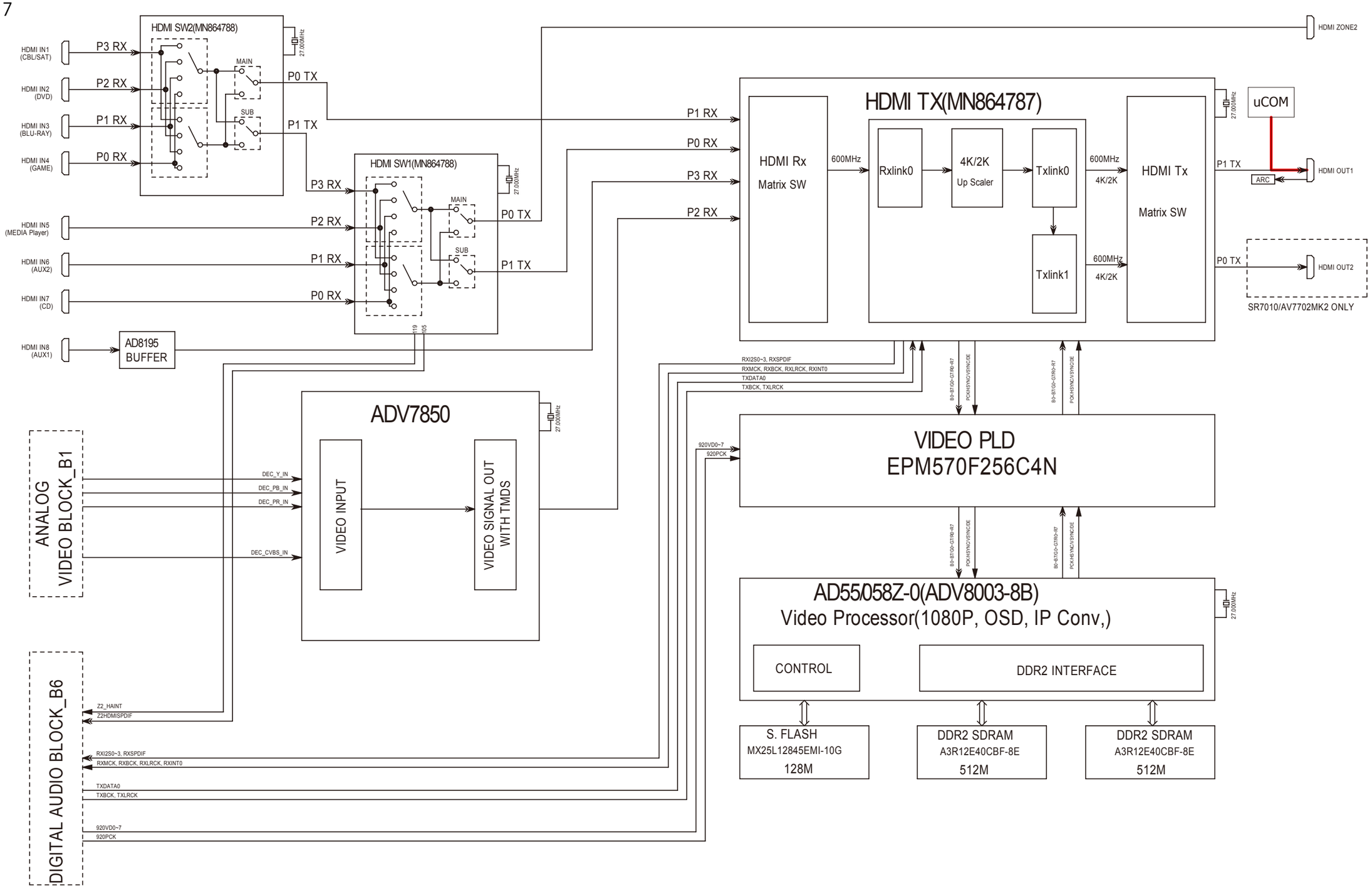
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.16



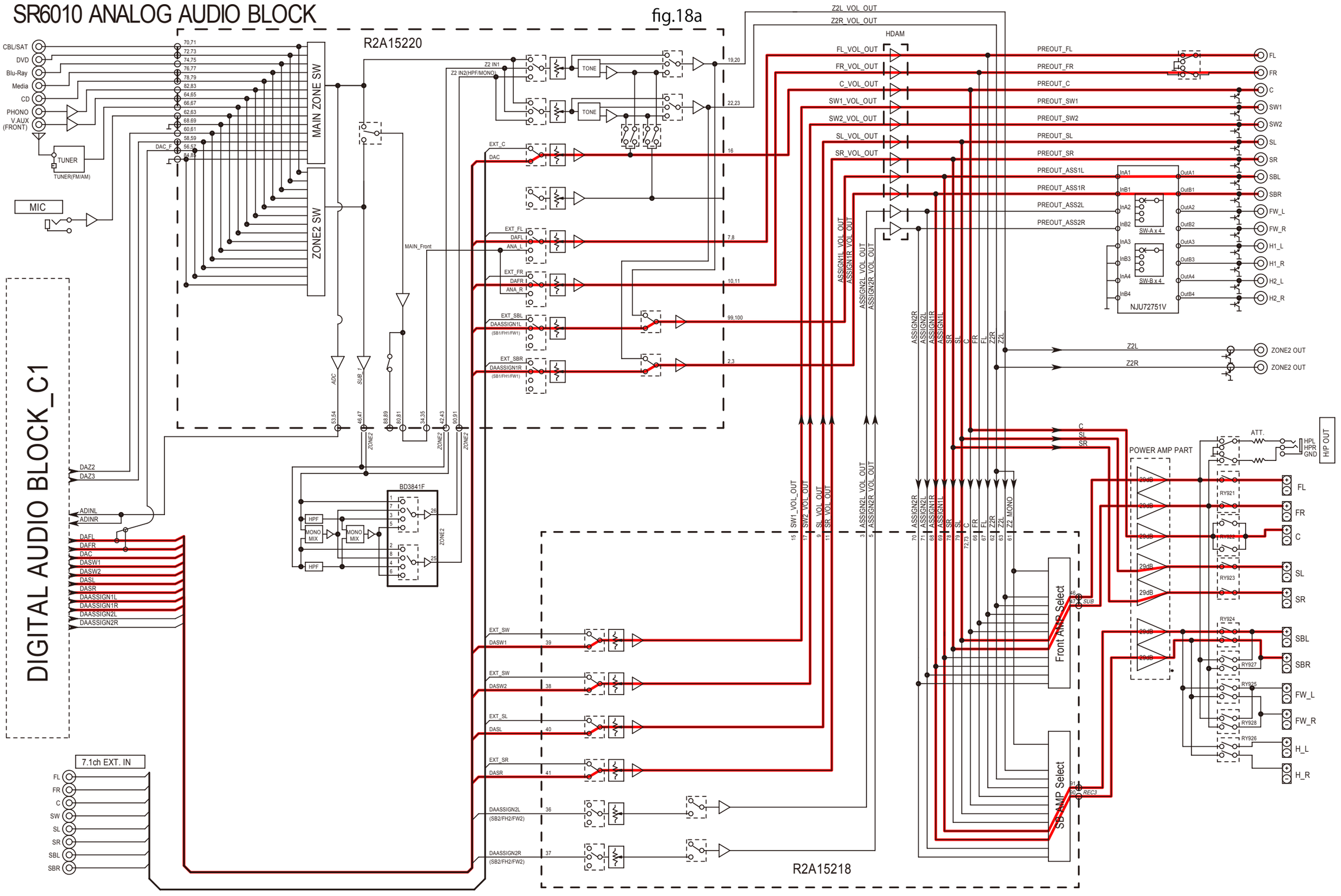
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.17



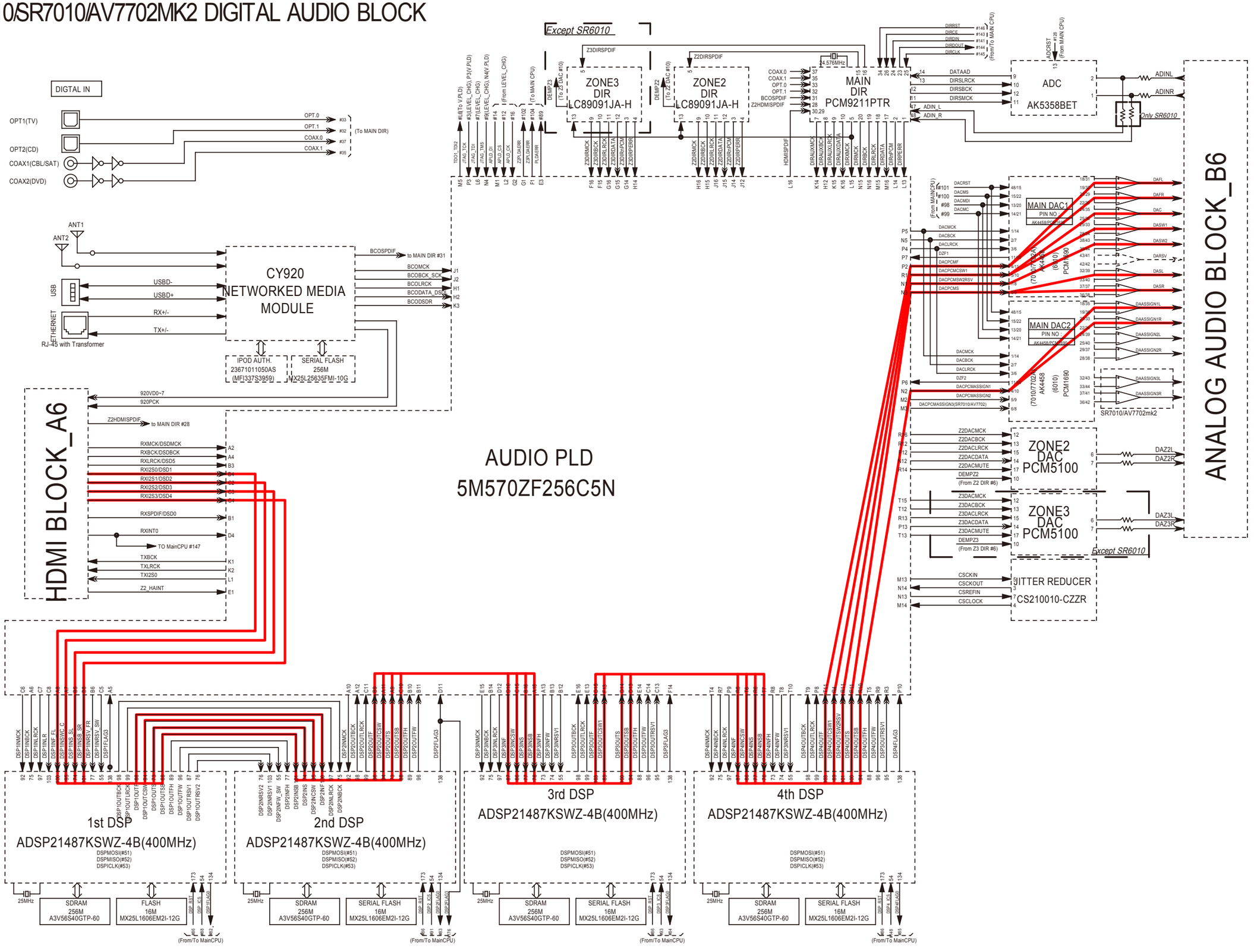
SR6010 ANALOG AUDIO BLOCK

fig.18a



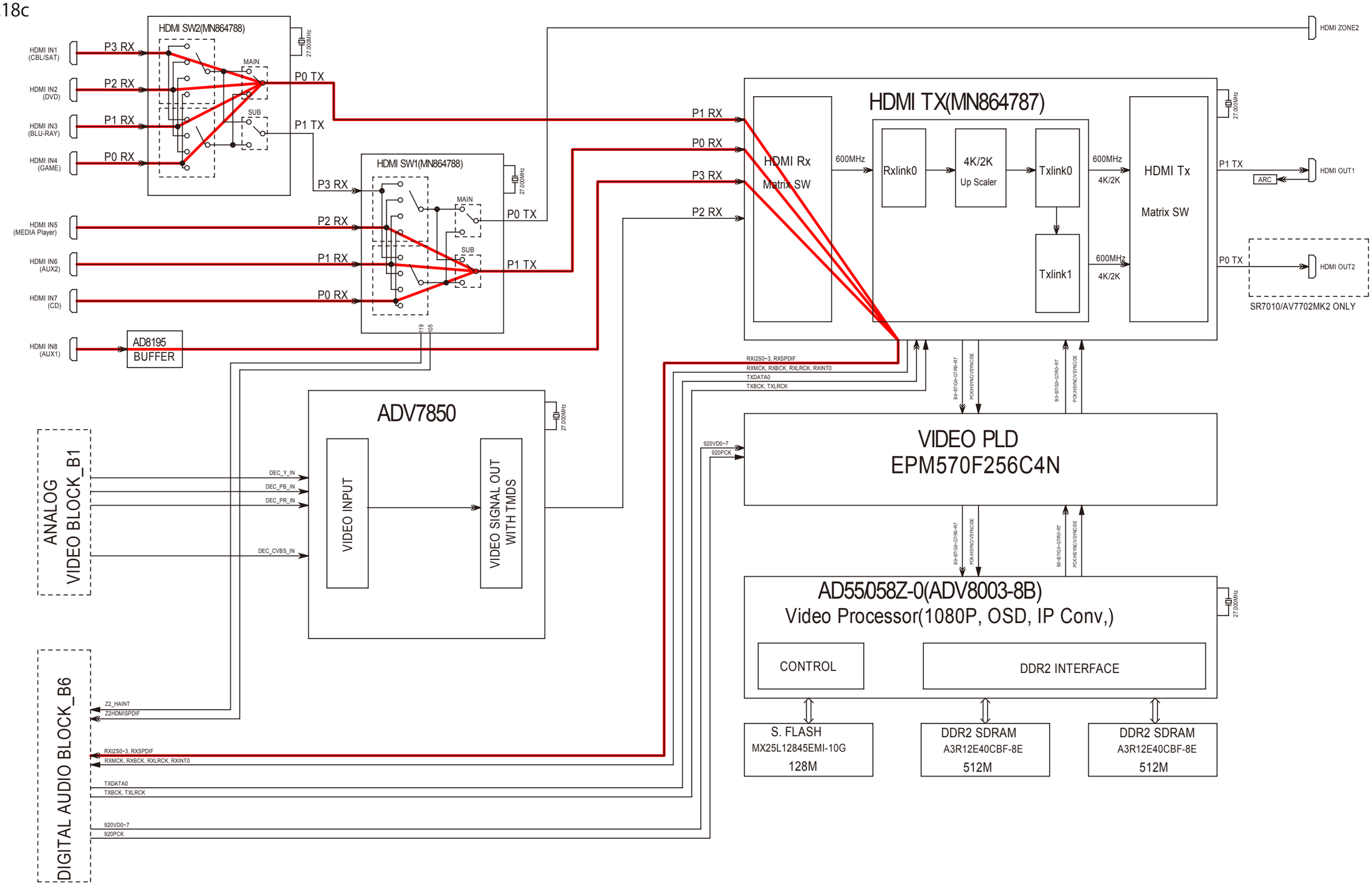
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.18b



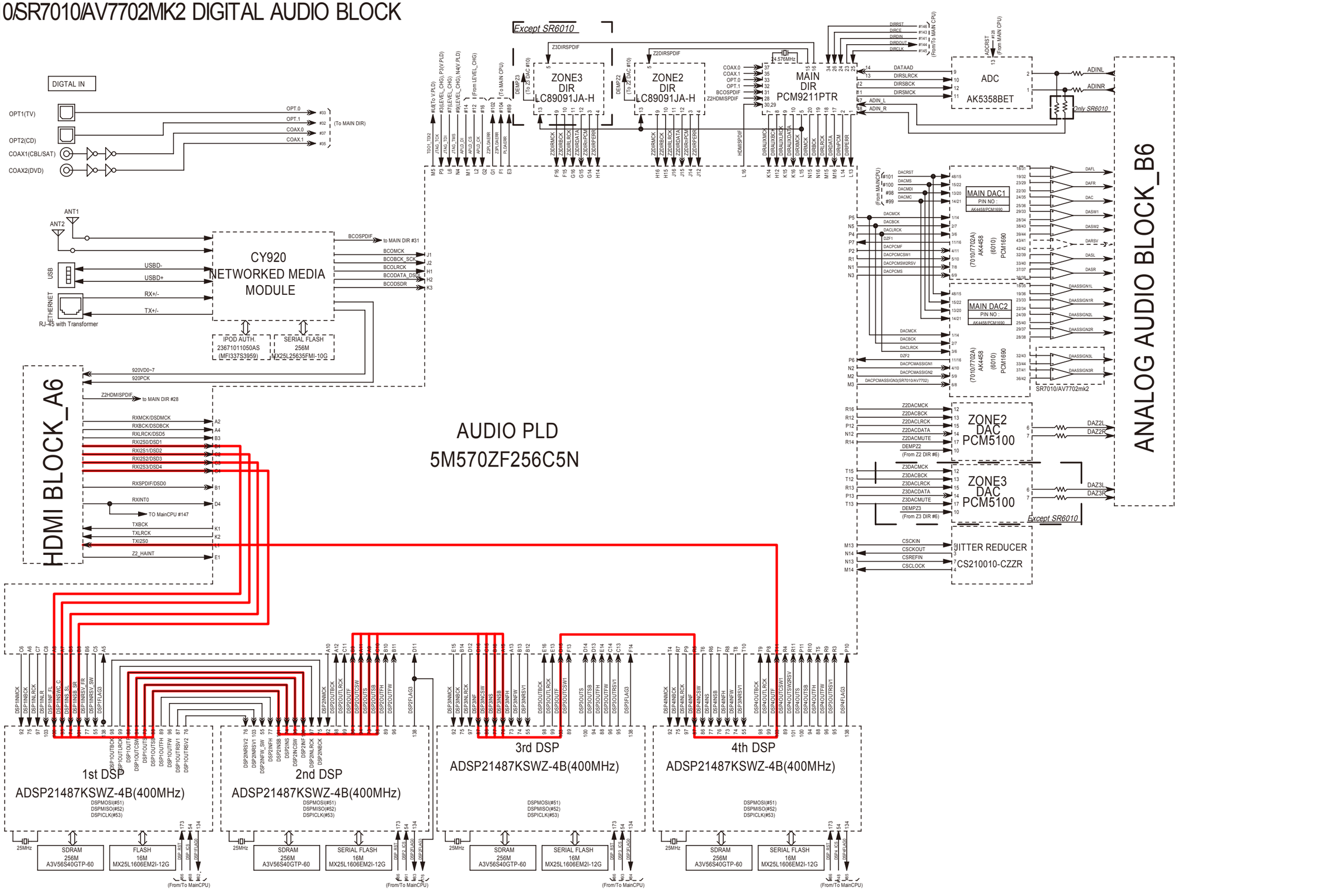
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.18c



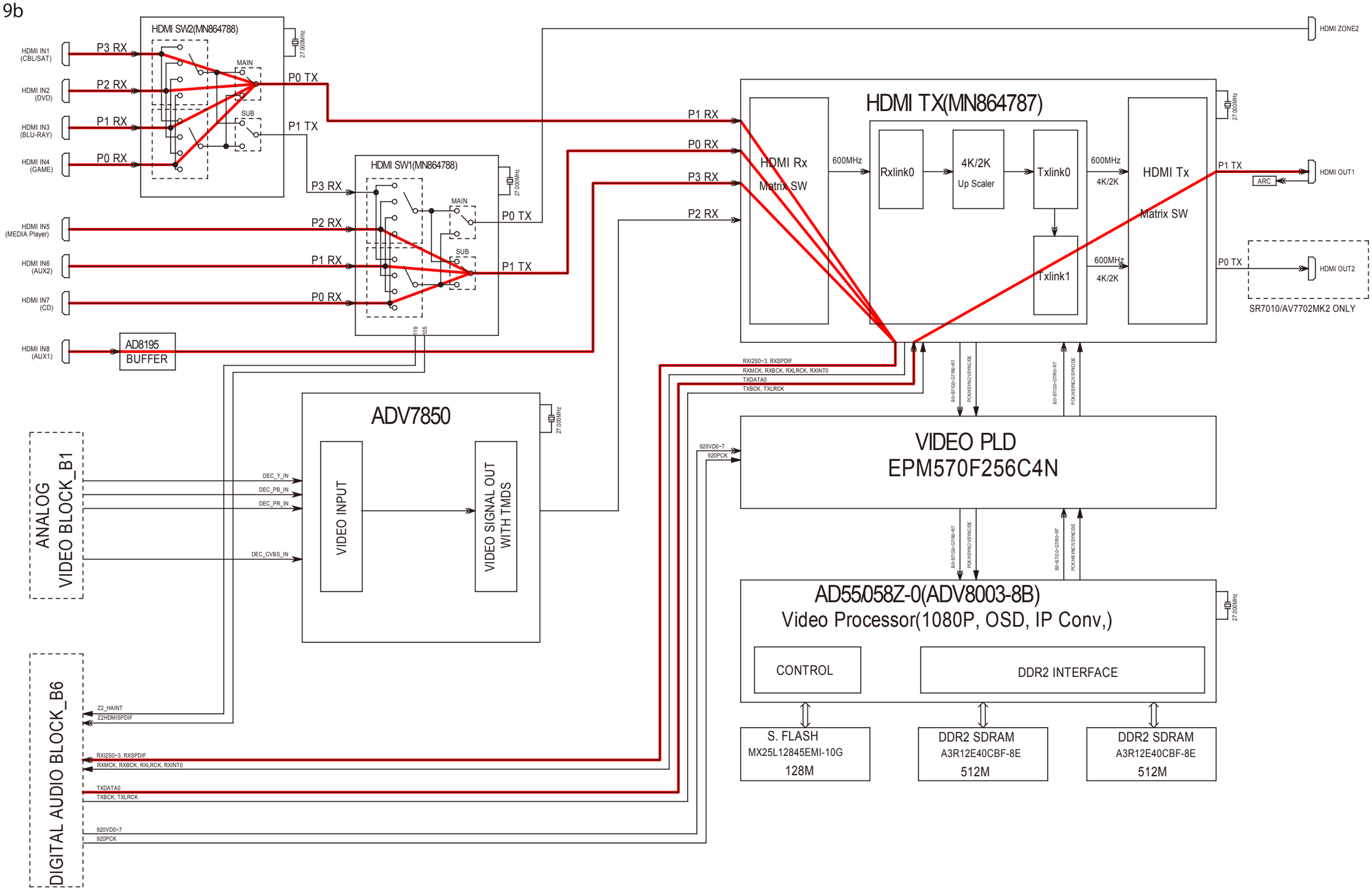
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.19a



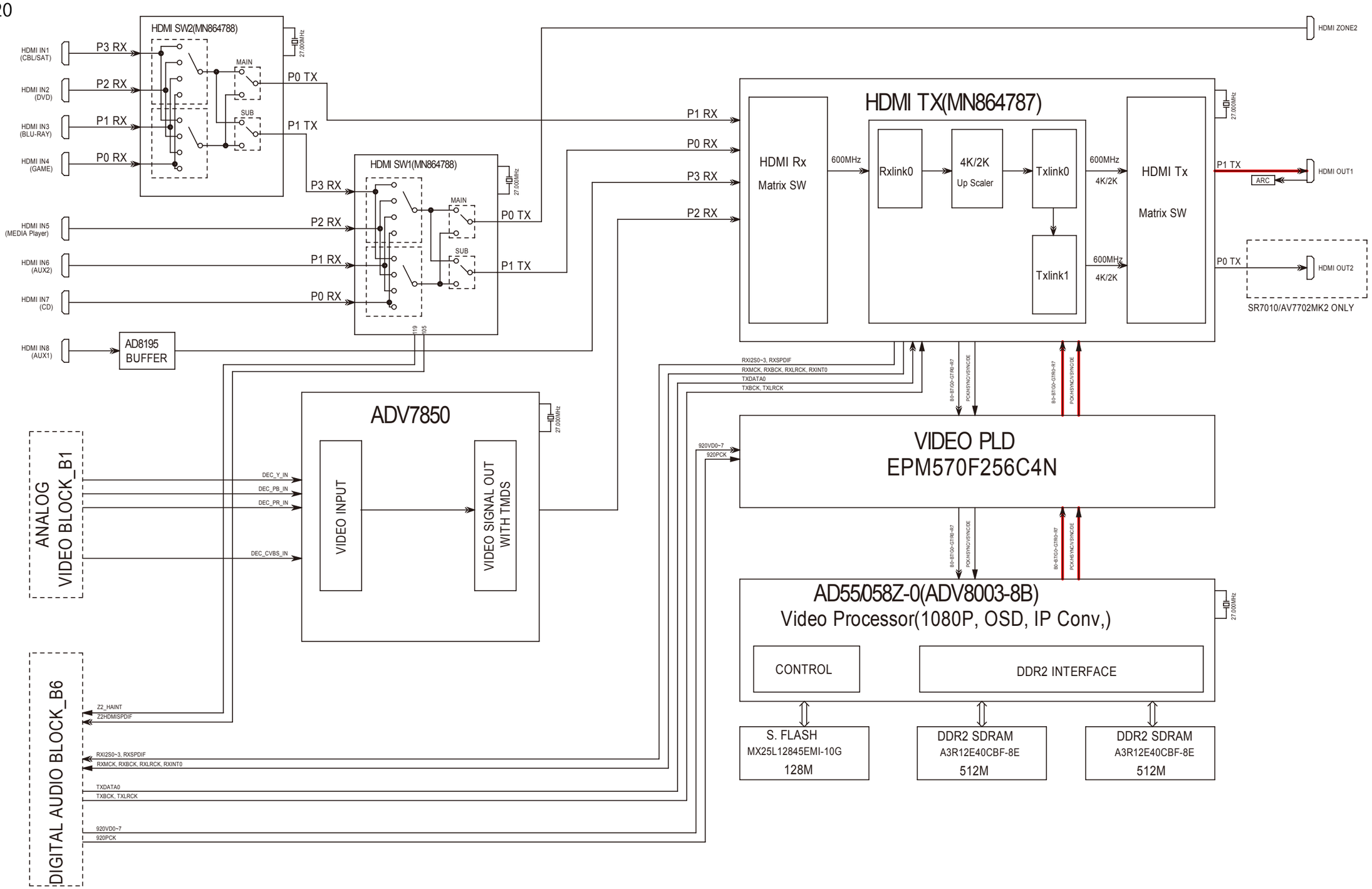
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.19b



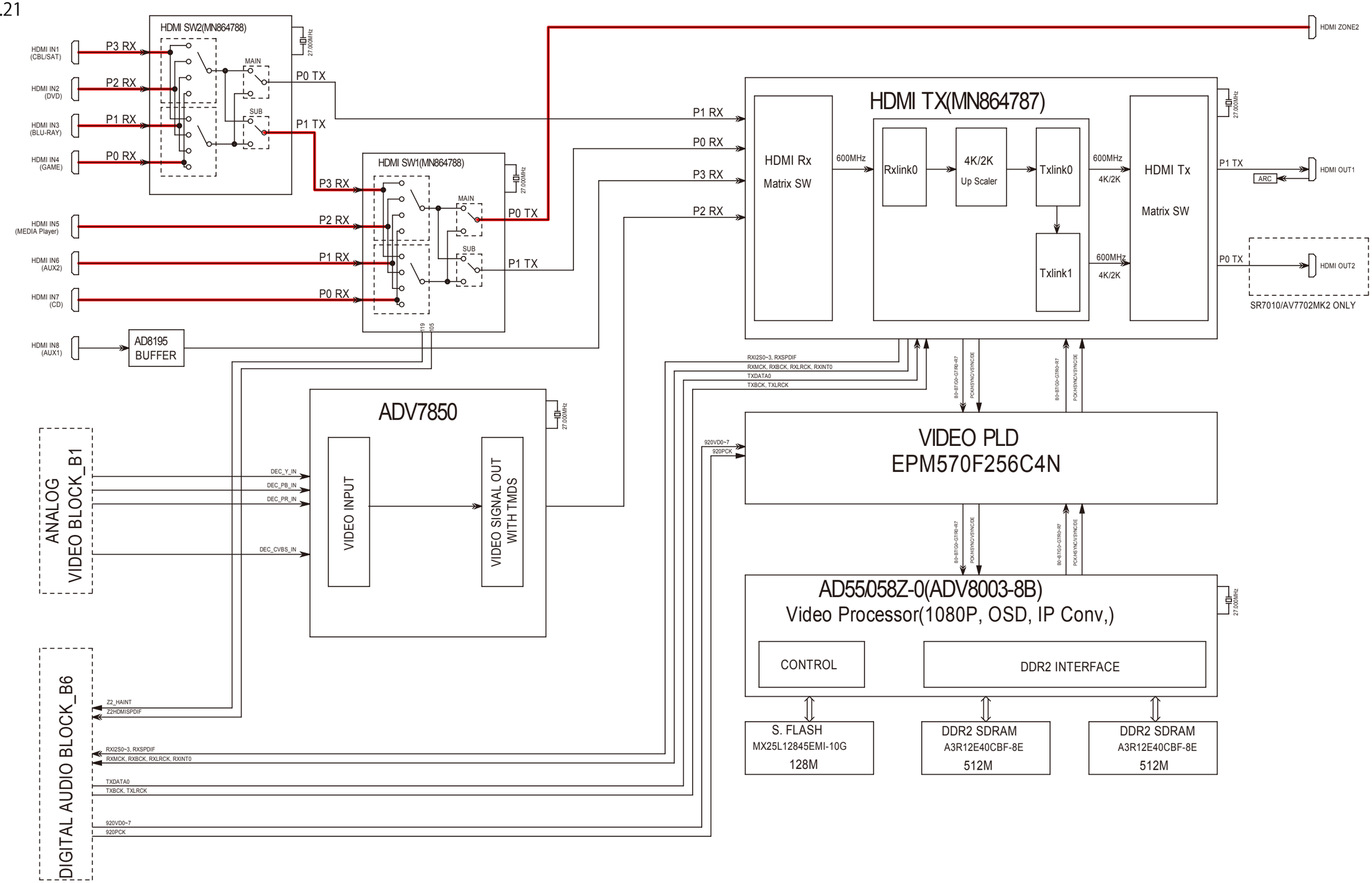
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.20



SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.21



2-2. Protection History Display Mode

2-2.1. Actions

This mode enables the unit to record and display the event when the THERMAL, CURRENT, ASO or DC protection is activated.
If protections have been activated multiple times, the latest protection operation is recorded.

2-2.2. Starting up

While holding down buttons "**ZONE2 SOURCE**" and "**STATUS**" simultaneously, press the power button to turn on the power.
Select the "**2. PROTECTION**" using the "**TUNER PRESET CH+/-**" button, then press the "**STATUS**" button to confirm.

2-2.3. Protection information and displays

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

(a) If no protections has occurred.

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

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

FLD	L3	:	A	S	O				

Cause : A short circuit occurred between the speaker terminals, or speakers with an impedance outside the rating were connected.
Note : A short circuit occurred between the speaker terminals, or speakers with an impedance outside the rating were connected.
If the power is turned on in the abnormal state, protection is activated after around 6 seconds and the power is turned off.

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

FLD	L3	:	D	C					

Cause : DC output of the power amplifier is abnormal.
If the power is turned on in the abnormal state, protection is activated after around 6 seconds and the power is turned off.

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

FLD	L3	:	T	H	E		A		
FLD	L3	:	T	H	E		E		
FLD	L3	:	T	H	E		F		

Cause : Abnormal heat sink temperature.
If the power is turned on in the abnormal state, protection is activated after around 6 seconds and the power is turned off.

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

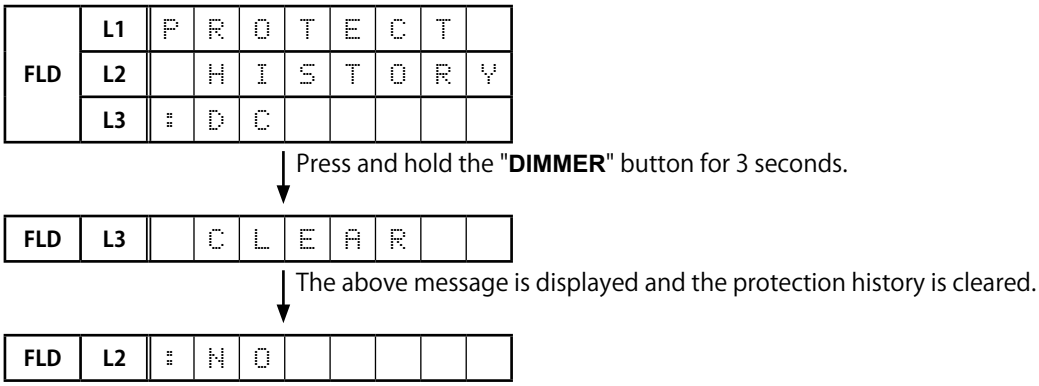
FLD	L3	:	C	U	R	R	E	N	T

Cause : An overcurrent flowed in power amp.
Caution : These protections may also be activated due to other factors such as disconnection of connectors or operations around the microcomputer.
After viewing the above protection history, press the "**STATUS**" button to return to the normal display.
If the power is turned on in the abnormal state, protection is activated after around 2 minutes and the power is turned off.

2-2.4. Clearing the Protection History

There are two ways to clear the protection history.

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



(b) Initialize this unit. (See "**Initializing This Unit**" on page 11)

※ Use the method in **2-2.4. Clearing the Protection History (a)** if you do not want to erase your settings from this unit.

Warning Displays by POWER LED

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

(a) ASO/DC protection: Flashes at 0.5-second intervals (0.25 seconds lit, 0.25 seconds unlit)
(b) THERMAL (A/E/F) protection: Flashes at 2-second intervals (1 seconds lit, 1 seconds unlit)
(c) CURRENT protection: Flashes at 4-second intervals (2 seconds lit, 2 seconds unlit)

2-3. 232C Standby Clear Mode

2-3.1. Actions

Switches from 232C standby mode to normal standby mode.

2-3.2. Starting up

While holding down buttons "**STATUS**" and "**ZONE2 SOURCE**" simultaneously, press the power button to turn on the power.
Select the "**3.RS232C RESET**" using the "**TUNER PRESET CH+/-**" button, then press the "**STATUS**" button then to confirm.
Switches from 232C standby mode to normal standby mode.

2-4. Operation Info Mode

2-4.1. Actions

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

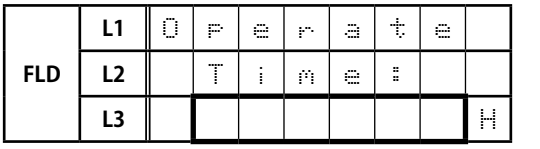
2-4.2. Starting up

While holding down buttons "**ZONE2 SOURCE**" and "**STATUS**" simultaneously, press the power button to turn on the power.
Select the "**4. OP INFO**" using the "**TUNER PRESET CH+/-**" button, then press the "**STATUS**" button to confirm.

2-4.3. Operations

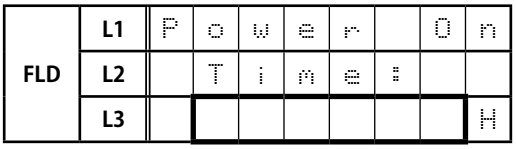
Press the "**STATUS**" button after starting up this device in Operation Info mode.
The following information is displayed in the following order.

(a) Accumulated operating time



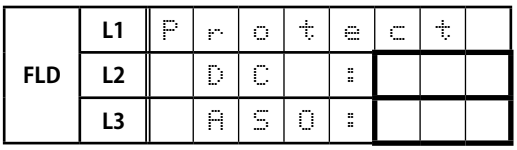
"**STATUS**" ↑ Time display

(b) Power on count



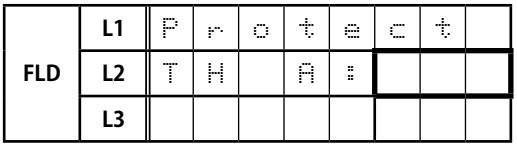
"**STATUS**" ↑ Count display

(c) DC / ASO Protection count

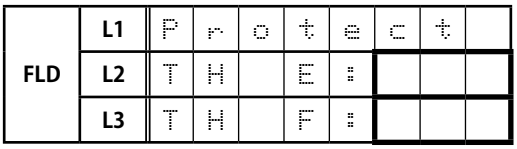


"**STATUS**"

(d) Thermal Protection count

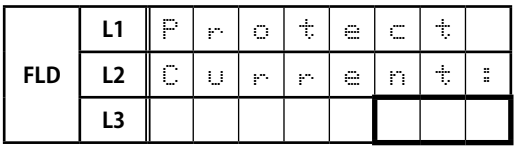


"**STATUS**"



"**STATUS**"

(e) CURRENT Protection count



"**STATUS**"

(Returns to normal display)

2-5. TUNER STEP mode (E2 / E3 only)

2-5.1. Actions

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

2-5.2. Starting up

While holding down buttons "**ZONE2 SOURCE**" and "**STATUS**" simultaneously, press the power button to turn on the power.
Select the "**5. TUNER FRQ SER**" using the "**TUNER PRESET CH+/-**" button, then press the "**STATUS**" button to confirm.

2-5.3. Displays

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

(a) AM9 kHz / FM50 kHz is selected

FLD	L1	T	u	n	e	r	F	R	0
	L2		A	M	9	/			
	L3				F	M	5	0	

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

(b) AM10 kHz / FM200 kHz is selected

FLD	L1	T	u	n	e	r	F	R	0
	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.

3. PANEL / REMOTE LOCK Selection Mode

3.1. Actions

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

3.2. Starting up

While holding down buttons "**M-DAX**" and "**DIMMER**" simultaneously, press the power button to turn on the power.
Select the desired mode using the "**TUNER PRESET CH+/-**" button, then press the "**STATUS**" button to confirm.

3.3. Displaying and Selecting Each Mode

The information shown on the display switches each time the "**TUNER PRESET CH+/-**" button is pressed.
Press the "**STATUS**" button to set the currently displayed mode and restart the device.
The setting with "*" is selected for each mode.

①

FLD	L1	P	/	V		L	O	C	K
	L2		O	n					
	L3								

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

②

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

The buttons on the unit does not function.

③

FLD	L1	F	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.

4. Protection Pass Mode

4.1. Actions

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

4.2. Operations

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

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

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. CY920 Reboot Mode

5.1. Actions

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

5.2. Operations

(1) Turn the "**MAIN ZONE**" button on and set the input source to NETWORK.
(2) While the power is on, hold down buttons "**TUNER PRESET CH+**" and "**STATUS**" for at least 3 seconds.
Display during CY920 reboot

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 :

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

6. CY920 Initialization Mode

6.1. Actions

The following items are initialized.

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

6.2. Operations

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

Initializing Display

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	m	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

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

CAUTION : Incorrect connections may cause malfunction.

• Connection of Jig for DIGITAL PCB

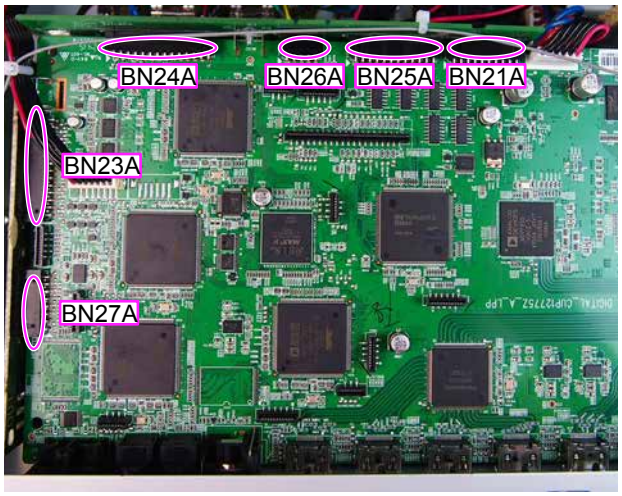
---Items to Be Prepared---

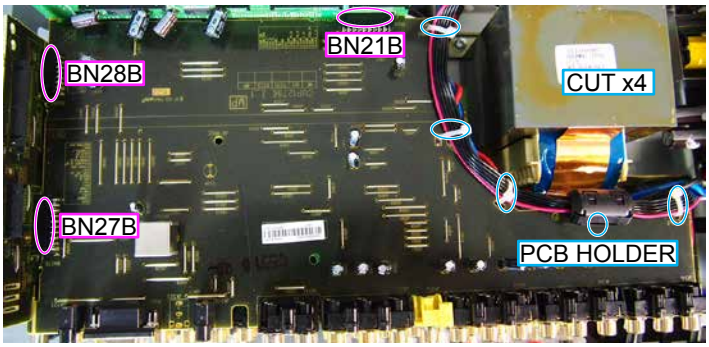
8U-110084S	:	EXTENSION UNIT KIT	:	1Sets
8U-110136S	:	EXTENSION UNIT KIT	:	1Sets
Insulation sheet (Not supplied)	:	3 sheets		
Ground lead (Not supplied)	:	3 pcs		

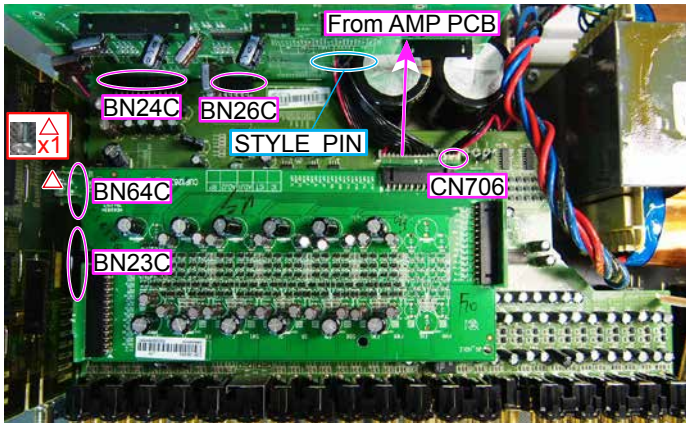
-Procedures-

(1) Remove the screws.

(2) Remove the connector PCB.

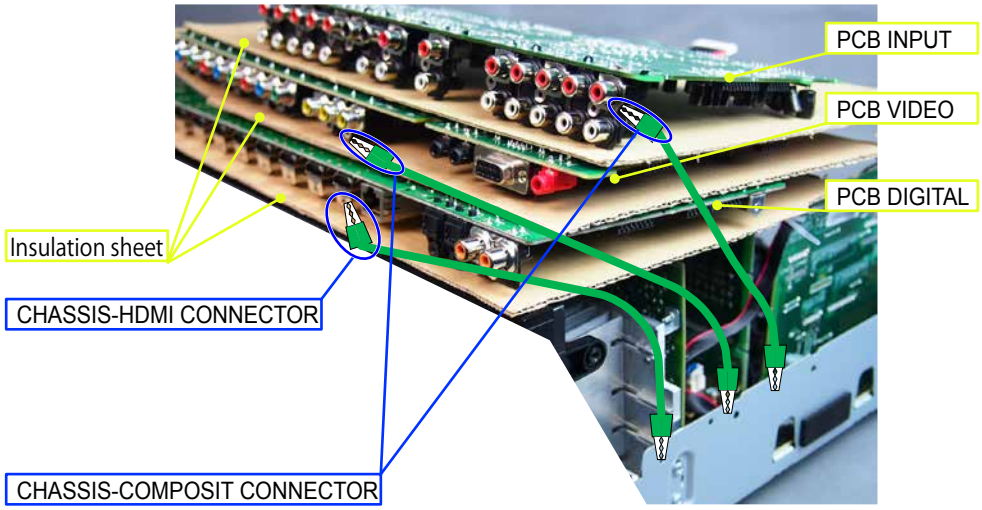




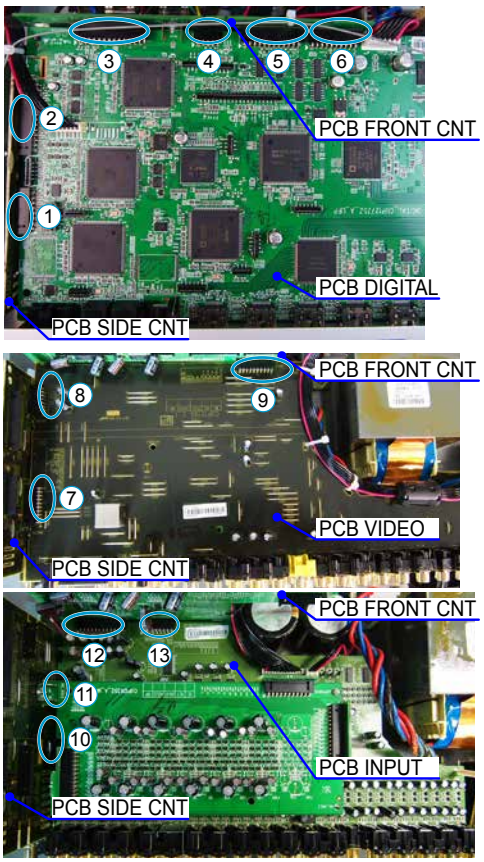


(3) Remove the DIGITAL PCB from the chassis and turn it over.
Place an insulation sheet larger than the PCB underneath the DIGITAL PCB.

※ Connect the earth of the PCB to the chassis using an earth wire, etc.



(4) Connect the expansion cables.



Board-to-Board Connections

No.	Pin	Ref. No.	PCB		Ref. No.	PCB
①	15pin	CN27A	SIDE CNT	⟷	BN27A	DIGITAL
②	27pin	CN23A	SIDE CNT	⟷	BN23A	DIGITAL
③	27pin	CN24A	FRONT CNT	⟷	BN24A	DIGITAL
④	9pin	CN26A	FRONT CNT	⟷	BN26A	DIGITAL
⑤	23pin	CN25A	FRONT CNT	⟷	BN25A	DIGITAL
⑥	19pin	CN21A	FRONT CNT	⟷	BN21A	DIGITAL
⑦	19pin	CN27B	SIDE CNT	⟷	BN27B	VIDEO
⑧	13pin	CN28B	SIDE CNT	⟷	BN28B	VIDEO
⑨	19pin	CN21B	FRONT CNT	⟷	BN21B	VIDEO
⑩	21pin	CN23C	SIDE CNT	⟷	BN23C	INPUT
⑪	13pin	CN64C	SIDE CNT	⟷	BN64C	INPUT
⑫	27pin	CN24C	FRONT CNT	⟷	BN24C	INPUT
⑬	15pin	CN26C	FRONT CNT	⟷	BN26C	INPUT

PROCEDURE AFTER REPLACING THE PRINTED CIRCUIT BOARDS.

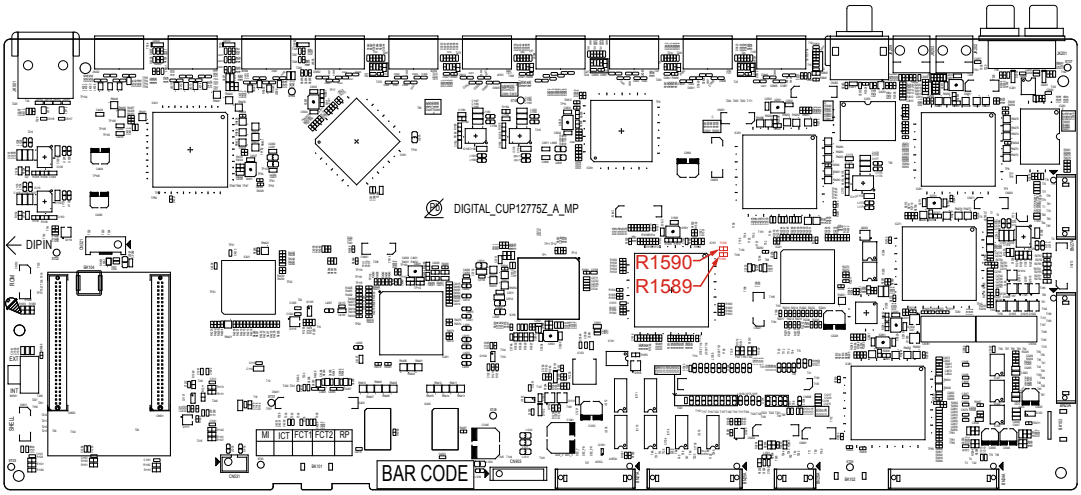
The procedure after replacing the printed circuit boards is as follows.

(1) Change the resistor for setting the region.

Model Name	Model Area	DIGITAL PCB	
		R1589	R1590
SR6010	North America (U)	0	OPEN
	Europe (N)	OPEN	0

See the PCB below.

(2) Be sure to rewrite with the latest software for your service region.



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
DIGITAL	IC151	R5F564MJCDFC	B	SOFTWARE : Main
DIGITAL	IC254/IC264/ IC273/IC283	MX25L1606EM2I-12G	B	SOFTWARE:DSP1 / 2 / 3 / 4 ROM
DIGITAL	IC404	MX25L12845EMI-10G	B	SOFTWARE:GUI ROM
DIGITAL	IC221	5M570ZF256C5N	B	SOFTWARE:AUDIO PLD
DIGITAL	IC421	EPM570F256C4N	B	SOFTWARE:VIDEO PLD
DIGITAL	C31	CY920 MODULE (CY920 Model)	D	SOFTWARE:SBL.bcd / IMG.bcd ※1
DIGITAL	IC501	MX25L25635FMI-10G (CY920 Model)	C	SOFTWARE:IMG.bcd ※ 1

※1 The firmware for the CY920 MODULE is written to the INTERNAL ROM of the CY920 and the IC501 (EXTERNAL ROM) of the DIGITAL circuit board.
"**CY920 Error**" appears in the display if the DIGITAL PCB or the CY920 is replaced, as this results in the version of the INTERNAL ROM differing from that of the EXTERNAL ROM.
In this case, see "**Update Procedure in the Event of a CY920 Error**".
(This does not require special operations such as pushing multiple buttons at the same time. The firmware also cannot be updated via DPMS.)

Procedure after Replacement

A : The software has been written. The software is not written at the time of replacement.
B : The software has been written. The software may need to be rewritten by version updates. Check the version.
C : The software has not been written. The software needs to be written after replacement.
See "**Firmware Update Procedure**" for information on writing the software.
D : The software has been written. Be sure to rewrite with the latest software for your service region.
See "**Firmware Update Procedure**" for information on writing the software.

FIRMWARE UPDATE PROCEDURE

1. Updating via USB

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

1.1. Connecting to the USB Memory

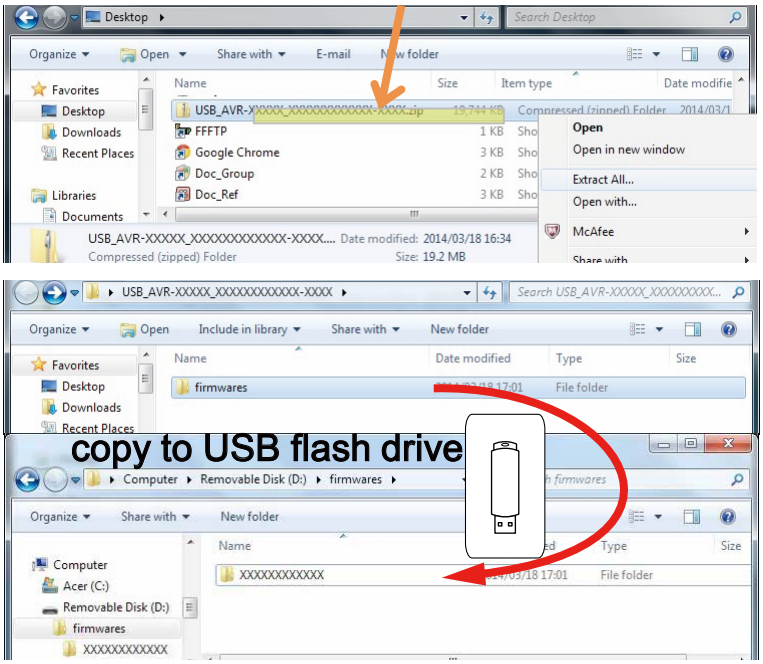
(1) Preparation

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

1.2. Unzipping the Downloaded File

Unzip the downloaded file on your computer.

SR-XXXXXXX	**USB_SR-XXXXXXX_XXXXXXXXXXXX-XXXX.zip**



The "firmwares" folder is created upon unzipping the file.
Copy that folder to USB flash drive.
The "firmwares" folder must be in the root directly of the USB flash drive (memory).

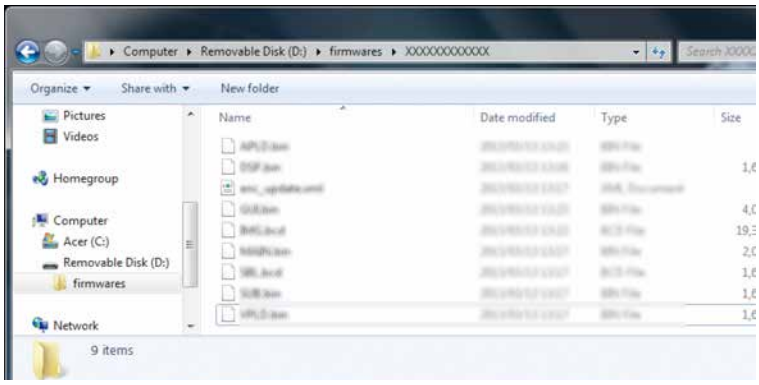
1.3. File structure on USB Memory

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

USB memory root

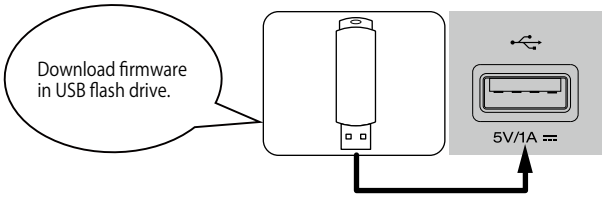
Model Name	Model Area	Product ID
SR6010	North America (U)	100100420100
	Europe (N)	100100420200

+ firmwares
  + 000100XXXXXX
    + APLD.bin
    + DSP1.bin
    + DSP2.bin
    + DSP3.bin
    + DSP4.bin
    + enc_update.xml
    + GUI.bin
    + IMG.bcd
    + MAIN.bin
    + VPLD.bin



1.4. Insert the USB memory into the USB port.

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



1.5. Start the update.

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

1.6. Display during USB update

After around half minutes, display shows the following message.

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.

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

Display

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

---Cautions on Firmware Update---

• Never remove the USB memory before the update is finished.
• Never turn off the power before the 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.
Note down the settings before updating, and set them again after updating.

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

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

1.9.3. The firmware update finishes.

Returns to the normal status after update is completed.

1.10. Update Procedure in the Event of a CY920 Error

1.10.1. Actions

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

1.10.2. Operations

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

Display

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

(5) The firmware update finishes.

Display

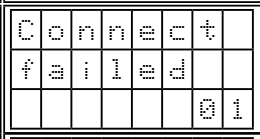
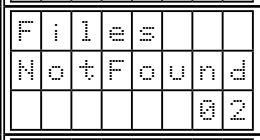
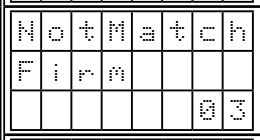
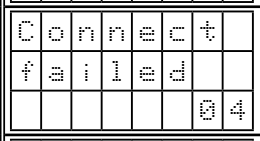
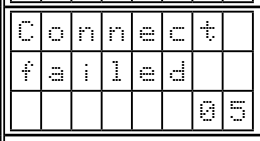
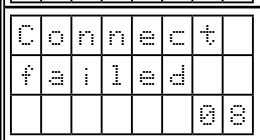
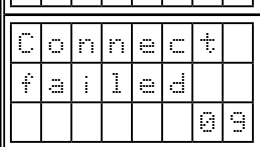
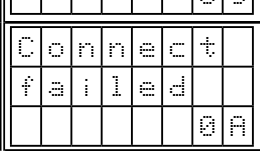
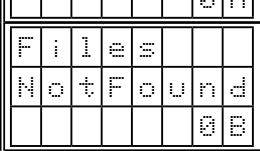
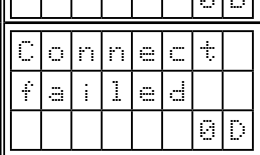
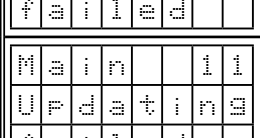
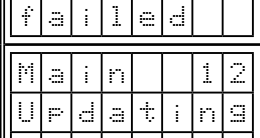
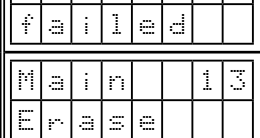
FLD	L1	U	p	d	a	t	i	n	g
	L2	C	o	m	p	l	e	t	e
	L3								

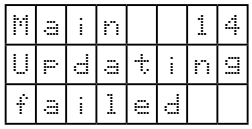
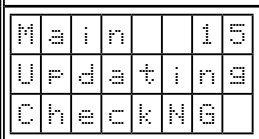
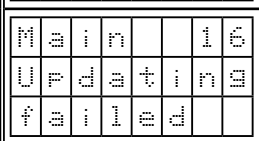
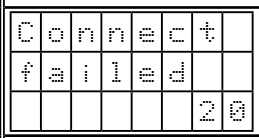
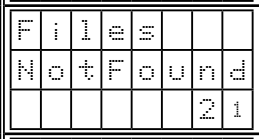
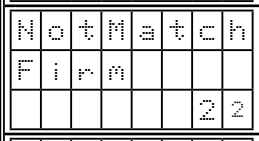
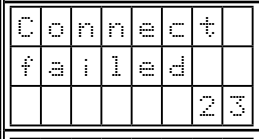
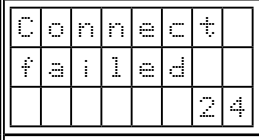
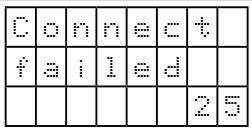
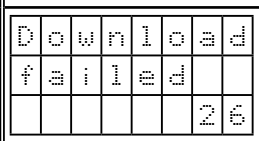
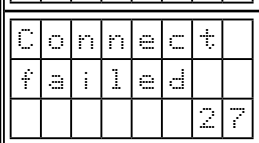
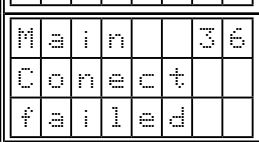
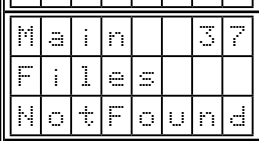
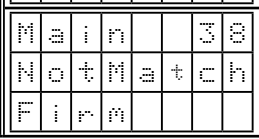
The unit restarts after the update is finished.

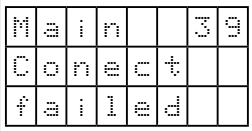
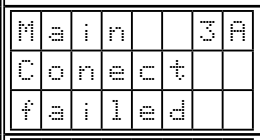
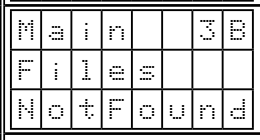
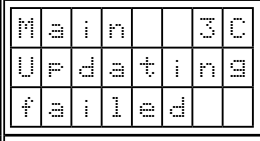
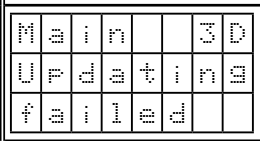
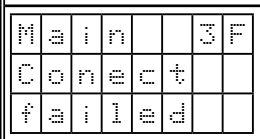
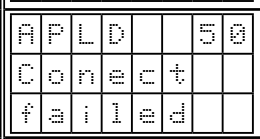
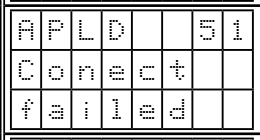
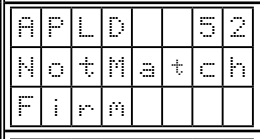
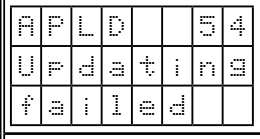
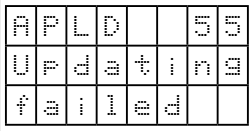
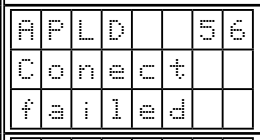
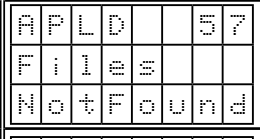
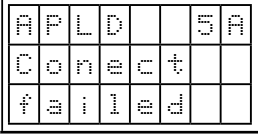
(6) After the update, check that "**CY920 Error**" is no longer displayed, and check the version of the new firmware.
See "**1. Version Display Mode**" (page 19).

1.11. About the error codes

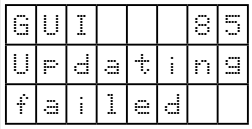
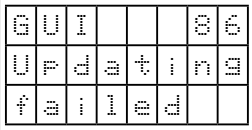
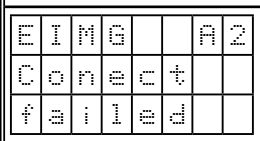
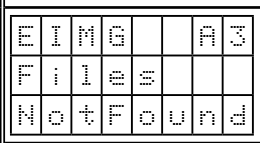
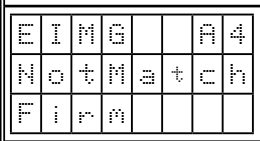
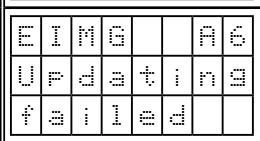
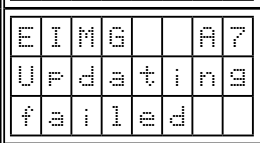
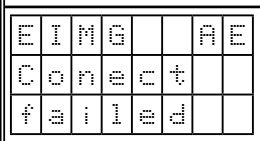
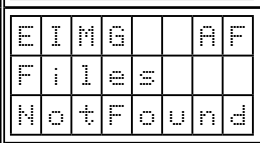
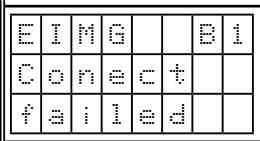
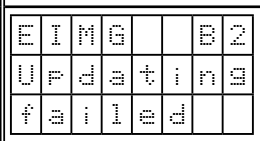
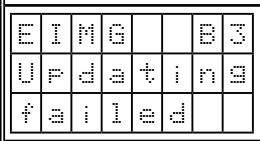
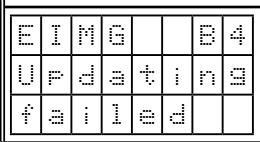
See the table below for error codes and details of faults when the firmware is updated through USB memory.

Error Code	USB Update Error Display	Details of Error code	Remedies
01		Unable to detect USB.	Disconnect and reconnect the USB memory.
02		No Firmware File in USB.	Make sure that the Firmware File is in the USB memory.
03		The Firmware File in the USB does not support your model and area.	Make sure that the model name and area are supported by the Firmware File.
04		Failed to obtain the entire Firmware information.	Start the USB Update again.
05		Time Out while obtaining the entire Firmware information.	Start the USB Update again.
08		Error notification received while requesting the Firmware Info.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
09		Time Out while obtaining Firmware information.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
0A		Unable to detect USB for Firmware Download.	Disconnect and reconnect the USB memory.
0B		No Firmware File for Firmware Download.	Make sure that the Firmware File is in the USB memory.
0D		Received value with the invalid Package Version.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
10		No Update Packet received from CY920 (Time Out).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
11		Abnormal data in Update Packet received from CY920 (CRCError).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
12		Abnormal data in Update Packet received from CY920 (PacketNo-Error).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
13		Failed in Block Erase before rewriting Main.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.

Error Code	USB Update Error Display	Details of Error code	Remedies
14		Failed in Block Erase while rewriting Main.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
15		Error in Verify after rewriting Main (Check Sum Error).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
16		Setup failure of the XModem transfer method.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
20		Unable to detect USB after SBL Mode.	Disconnect and reconnect the USB memory.
21		No Firmware File in USB after SBL Mode.	Make sure that the Firmware File is in the USB memory.
22		After SBL Mode, the Firmware File in the USB does not support your model and area.	Make sure that the model name and area are supported by the Firmware File.
23		Failed to obtain the entire Firmware information after SBL Mode.	Start the USB Update again.
24		Time Out while obtaining the entire Firmware information after SBL Mode.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
25		Failed to transit to SBL Mode.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
26		Time Out in Download (writing to SDRAM) for Firmware Download.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
27		Failed to write to EEPROM after SBL Mode.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
36		Unable to detect USB.	Disconnect and reconnect the USB memory.
37		No Firmware File in USB.	Make sure that the Firmware File is in the USB memory.
38		The Firmware File in the USB does not support your model and area.	Make sure that the model name and area are supported by the Firmware File.

Error Code	USB Update Error Display	Details of Error code	Remedies
39		Time Out in USB Check.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
3A		Unable to detect USB for Firmware Download.	Disconnect and reconnect the USB memory.
3B		No Firmware File for Firmware Download.	Make sure that the Firmware File is in the USB memory.
3C		Error notification received while requesting the Firmware Info.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
3D		Time Out while obtaining Firmware information.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
3F		Failed to transit to SBL Mode.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
50		Unable to detect USB.	Disconnect and reconnect the USB memory.
51		No Firmware File in USB.	Make sure that the Firmware File is in the USB memory.
52		The Firmware File in the USB does not support your model and area.	Make sure that the model name and area are supported by the Firmware File.
54		Error notification received while requesting the Firmware Info.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
55		Time Out while obtaining Firmware information.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
56		Unable to detect USB for Firmware Download.	Disconnect and reconnect the USB memory.
57		No Firmware File for Firmware Download.	Make sure that the Firmware File is in the USB memory.
5A		Invalid DeviceID in response or no response from Sub for the "C" command.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.

Error Code	USB Update Error Display	Details of Error code	Remedies
5B	APLD 5B Updating failed	NACK received in response or no response from Sub for the "L" command.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
5C	APLD 5C Updating failed	No Update Packet received from CY920 (Time Out).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
5D	APLD 5D Updating failed	Abnormal data in Update Packet received from CY920 (CRCError).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
5E	APLD 5E Updating failed	Abnormal data in Update Packet received from CY920 (PacketNo-Error).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
5F	APLD 5F Updating failed	Setup failure of the XModem transfer method.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
60	APLD 60 Updating failed	NACK received in response or no response from Sub for the "P" command.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
61	APLD 61 Updating CheckNG	Mismatched Check Sum in re-sponse or no response from Sub for the "I" command.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
63	APLD 63 Updating failed	Failed to transit to Application Mode.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
64	APLD 64 Updating failed	Failed to transit to Boot Loader Mode.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
80	GUI 80 Updating failed	Write Enable Latch Bit not set in Read after issuing the "WREN" command.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
81	GUI 81 Updating failed	Block Erase failed in Read after issuing the "BE" command.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
82	GUI 82 Updating failed	No Update Packet received from CY920 (Time Out).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
83	GUI 83 Updating failed	Abnormal data in Update Packet received from CY920 (CRCError).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
84	GUI 84 Updating failed	Abnormal data in Update Packet received from CY920 (Packet No Error).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.

Error Code	USB Update Error Display	Details of Error code	Remedies
85		Abnormal data in Update Packet received from CY920 (Data Length / Data No).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
86		Mismatched Check Sum in Check Sum comparison after rewriting.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
A2		Unable to detect USB.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
A3		No Firmware File in USB.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
A4		The Firmware File in the USB does not support your model and area.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
A6		Error notification received while requesting the Firmware Info.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
A7		Time Out while obtaining Firmware information.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
AE		Unable to detect USB for Firmware Download.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
AF		No Firmware File for Firmware Download.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
B1		Time Out in Download (writing to SDRAM) for Firmware Download.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
B2		Error notification received after rewriting the CY920 Firm.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
B3		Error in Firmware Update (Time Out).	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.
B4		Failed to transit to Boot Loader Mode.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.

Error Code	USB Update Error Display	Details of Error code	Remedies
B5	EIMG B5 Updating failed	Failed to transit to Application Mode.	This unit automatically retries the request several times. Wait until the Display stops. If the Display stops at the Error display, press and hold the "Power operation" button for 5 seconds.

---Checking the firmware version after updating---
After updating the firmware, check the version. See "**1. Version Display Mode**" (page 19).

1.12. Device display during the firmware update

Display the device being updated and the update progress.

Target device	USB Update Display	Error code when an error occurs
Main CPU	L1 Main L2 ***min L3 ***%	10 - 16 36 - 3D 3F
Audio PLD	L1 APLD L2 ***min L3 ***%	50 - 52 54 - 57 5A - 64
VIDEO PLD	L1 VPLD L2 ***min L3 ***%	50 - 52 54 - 57 5A - 64
DSP	L1 DSP1 L2 ***min L3 ***% L1 DSP2 L1 DSP3 L1 DSP4	50 - 52 54 - 57 5A - 64
GUI Serial Flash	L1 GUI L2 ***min L3 ***%	50 - 52 54 - 57 5A 62 - 64 80 - 86
CY920 second Boot Loader	L1 ESBL L2 ***min L3 ***%	A2 - A4 A6 - A7 AE - AF B1 - B5
CY920 Image	L1 EIMG L2 ***min L3 ***%	A2 - A4 A6 - A7 AE - AF B1 - B5
CY920 Image (Emergency Mode)	L1 Update L2 Retry	–

---Checking the Firmware Version After the Update---
After updating the firmware, check the version. See "**1. Version Display Mode**" (page 19).

2. Updating via DPMS

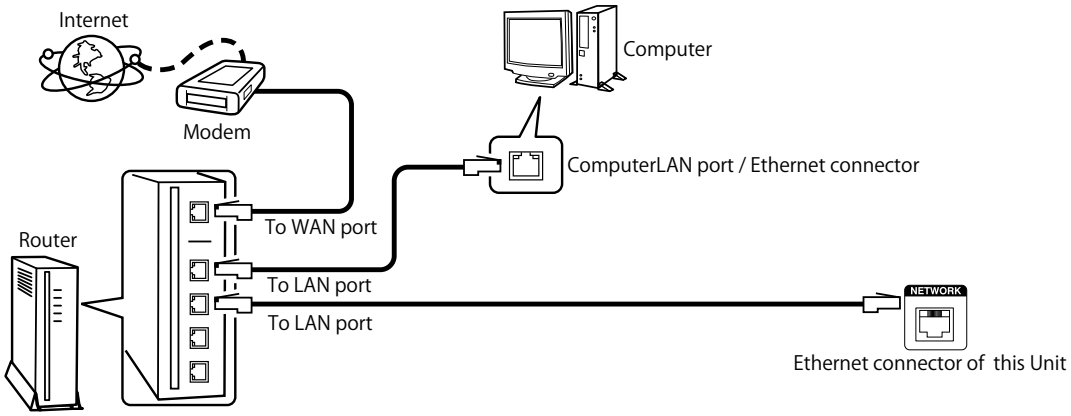
Download the latest firmware from our website and update the firmware.

2.1. Network Connection

(1) System Requirements

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

(2) Setting



2.2. Check and update the firmware

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

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

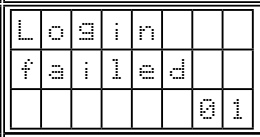
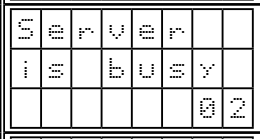
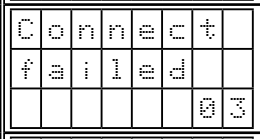
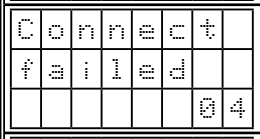
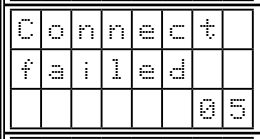
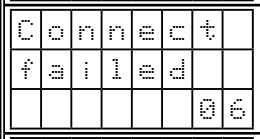
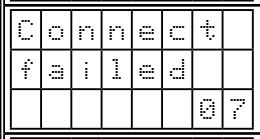
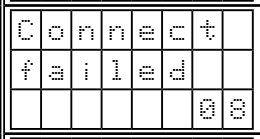
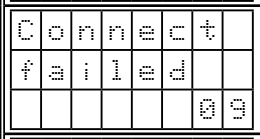
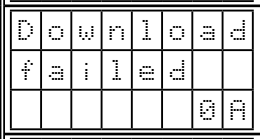
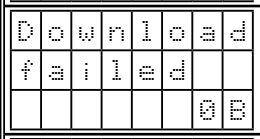
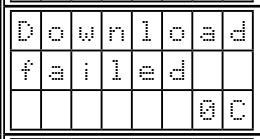
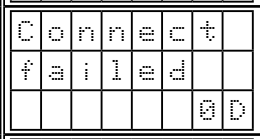
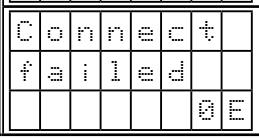
---Cautions on Firmware Update---

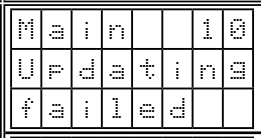
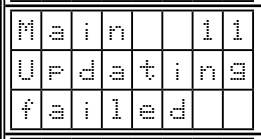
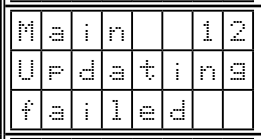
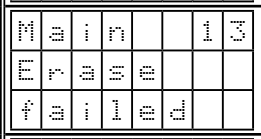
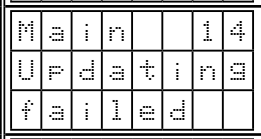
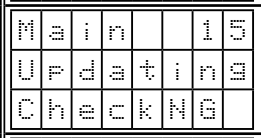
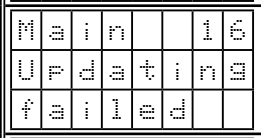
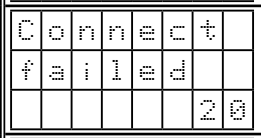
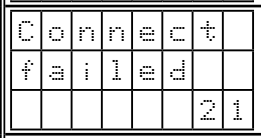
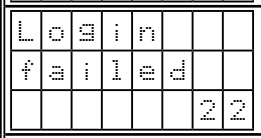
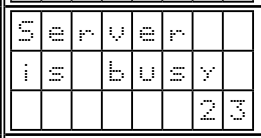
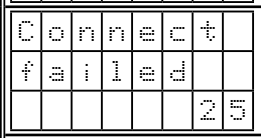
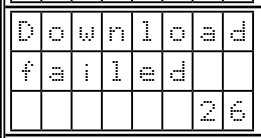
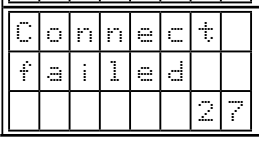
- For the update procedure, a proper broadband Internet connection environment and settings are required.
- Do not turn off the power until updating is completed.

• It takes around 1 hour to complete the update.
Once an update is started, normal operations cannot be performed until it is completed.
The GUI menu settings and image adjustment settings of this unit may be initialized.
Note down the settings before updating, and set them again after updating.

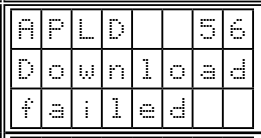
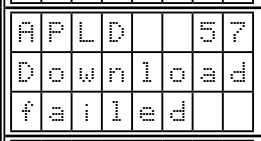
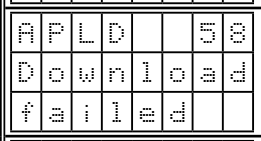
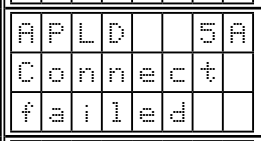
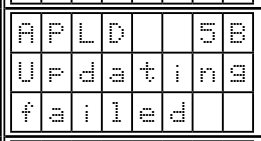
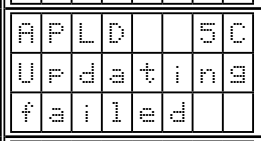
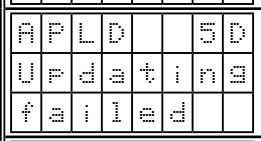
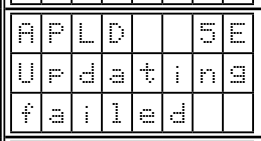
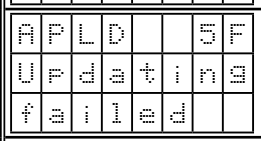
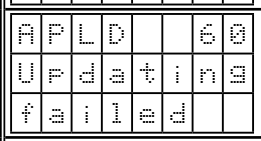
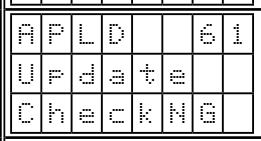
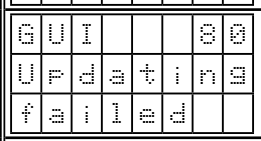
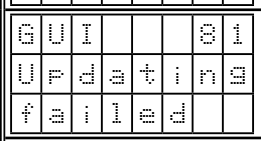
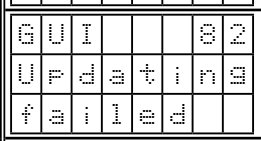
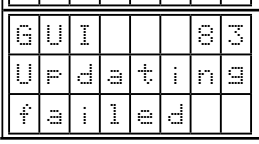
2.3. About the error codes

See the following table for details on the error code display, details of the error code, remedies when updating the firmware via DPMS. (DPMS : D&M Product Management Server)

Error Code	DPMS Update Error Display	Details of Error code	Remedies
01		Failed to log in to DPMS.	Initialize the unit and try updating again. Carry out the update in an environment that has little network load.
02		Line etc. is congested when logging in to DPMS.	Carry out the update in an environment that has little network load.
03		Connection to DPMS failed.	Check the network connection. Carry out the update in an environment that has little network load.
04		Failed to obtain the entire Firmware information.	Check the network connection. Carry out the update in an environment that has little network load.
05		Time Out while obtaining the entire Firmware information.	Check the network connection. Carry out the update in an environment that has little network load.
06		Failed to obtain the individual Firmware information.	Check the network connection. Carry out the update in an environment that has little network load.
07		Time Out while obtaining the individual Firmware information.	Check the network connection. Carry out the update in an environment that has little network load.
08		Error notification received while requesting the Firmware Info.	Check the network connection. Carry out the update in an environment that has little network load.
09		Time Out while obtaining Firmware information.	Check the network connection. Carry out the update in an environment that has little network load.
0A		Error(NG) notification received while requesting Firmware Download.	Check the network connection. Carry out the update in an environment that has little network load.
0B		Error(Server Busy) notification received while requesting Firmware Download.	Check the network connection. Carry out the update in an environment that has little network load.
0C		Error(Connect failure) notification received while requesting Firmware Download.	Check the network connection. Carry out the update in an environment that has little network load.
0D		Received value with the invalid Package Version.	Check the network connection. Carry out the update in an environment that has little network load.
0E		Connection to DPMS failed. (Cannot get NTP)	Check the network connection. Carry out the update in an environment that has little network load.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
10		No Update Packet received from CY920 (Time Out).	Turn off and on the power. Updating starts automatically.
11		Abnormal data in Update Packet received from CY920 (CRCError).	Turn off and on the power. Updating starts automatically.
12		Abnormal data in Update Packet received from CY920 (Packet No Error).	Turn off and on the power. Updating starts automatically.
13		Failed in Block Erase before rewriting Main.	Turn off and on the power. Updating starts automatically.
14		Failed in Block Erase while rewriting Main.	Turn off and on the power. Updating starts automatically.
15		Error in Verify after rewriting Main (Check Sum Error).	Turn off and on the power. Updating starts automatically.
16		Setup failure of the XModem transfer method.	Check the network connection. Carry out the update in an environment that has little network load.
20		After SBL Mode IP Address acquisition failure (AutoIP).	Check the network connection. Carry out the update in an environment that has little network load.
21		After SBL Mode IP Address acquisition failure (Time Out).	Check the network connection. Carry out the update in an environment that has little network load.
22		DPMS login incorrect notification after SBL.	Initialize the unit and try updating again. Carry out the update in an environment that has little network load.
23		DPMS congestion notification after SBL.	Carry out the update in an environment that has little network load.
24		DPMS connection failure notification after SBL.	Check the network connection. Carry out the update in an environment that has little network load.
25		Failed to transit to SBL Mode.	Initialize the unit and try updating again.
26		Error in Firmware Download (Time Out).	Check the network connection. Carry out the update in an environment that has little network load.
27		Failed to write to EEPROM after SBL Mode.	Initialize the unit and try updating again.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
36	Main 36 Login failed	DPMS login incorrect notification.	Carry out the update in an environment that has little network load.
37	Main 37 Server is busy	DPMS congestion notification.	Carry out the update in an environment that has little network load.
38	Main 38 Connect failed	DPMS connection failure notification.	Check the network connection. Carry out the update in an environment that has little network load.
39	Main 39 Connect failed	DPMS connection Time Out Error.	Check the network connection. Carry out the update in an environment that has little network load.
3A	Main 3A Download failed	Error(NG) notification received while requesting Firmware Download.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
3B	Main 3B Download failed	Error(Server Busy) notification received while requesting Firmware Download.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
3C	Main 3C Download failed	Error(Connect failure) notification received while requesting Firmware Download.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
3D	Main 3D Connect failed	After SBL Mode IP Address acquisition failure (AutoIP).	Check the network connection. Carry out the update in an environment that has little network load.
3E	Main 3E Connect failed	After SBL Mode IP Address acquisition failure (Time Out).	Check the network connection. Carry out the update in an environment that has little network load.
3F	Main 3F Connect failed	Failed to transit to SBL Mode.	Check the network connection. Carry out the update in an environment that has little network load.
50	APLD 50 Login failed	DPMS login incorrect notification.	Carry out the update in an environment that has little network load.
51	APLD 51 Server is busy	DPMS congestion notification.	Carry out the update in an environment that has little network load.
52	APLD 52 Connect failed	DPMS connection failure notification.	Check the network connection. Carry out the update in an environment that has little network load.
54	APLD 54 Updating failed	Error notification received while requesting the Firmware Info.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
55	APLD 55 Updating failed	Time Out while obtaining Firmware information.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
56		Error(NG) notification received while requesting Firmware Download.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
57		Error(Server Busy) notification received while requesting Firmware Download.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
58		Error(Connect failure) notification received while requesting Firmware Download.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
5A		Invalid DeviceID in response or no response from Sub for the "C" command.	Turn off and on the power. Updating starts automatically.
5B		NACK received in response or no response from Sub for the "L" command.	Turn off and on the power. Updating starts automatically.
5C		No Update Packet received from CY920 (Time Out).	Turn off and on the power. Updating starts automatically.
5D		Abnormal data in Update Packet received from CY920 (CRCError).	Turn off and on the power. Updating starts automatically.
5E		Abnormal data in Update Packet received from CY920 (PacketNo-Error).	Turn off and on the power. Updating starts automatically.
5F		Setup failure of the XModem transfer method.	Turn off and on the power. Updating starts automatically.
60		NACK received in response or no response from Sub for the "P" command.	Turn off and on the power. Updating starts automatically.
61		Mismatched Check Sum in response or no response from Sub for the "I" command.	Turn off and on the power. Updating starts automatically.
80		Write Enable Latch Bit not set in Read after issuing the "WREN" command.	Turn off and on the power. Updating starts automatically.
81		Block Erase failed in Read after issuing the "BE" command.	Turn off and on the power. Updating starts automatically.
82		No Update Packet received from CY920 (Time Out).	Turn off and on the power. Updating starts automatically.
83		Abnormal data in Update Packet received from CY920 (CRCError).	Turn off and on the power. Updating starts automatically.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
84	GUI 84 Updating failed	Abnormal data in Update Packet received from CY920 (PacketNo-Error).	Turn off and on the power. Updating starts automatically.
85	GUI 85 Updating failed	Setup failure of the XModem transfer method.	Turn off and on the power. Updating starts automatically.
86	GUI 86 Updating failed	Mismatched Check Sum in Check Sum comparison after rewriting.	Turn off and on the power. Updating starts automatically.
A0	EIMG A0 Connect failed	IP Address acquisition failure (AutoIP).	Check the network connection. Carry out the update in an environment that has little network load.
A1	EIMG A1 Connect failed	IP Address acquisition failure (Time Out).	Check the network connection. Carry out the update in an environment that has little network load.
A2	EIMG A2 Login failed	DPMS login incorrect notification.	Check the network connection. Carry out the update in an environment that has little network load.
A3	EIMG A3 Server is busy	DPMS congestion notification.	Check the network connection. Carry out the update in an environment that has little network load.
A4	EIMG A4 Connect failed	DPMS connection failure notification.	Check the network connection. Carry out the update in an environment that has little network load.
A6	EIMG A6 Updating failed	Error notification received while requesting the Firmware Info.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
A7	EIMG A7 Updating failed	Time Out while obtaining Firmware information.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
AE	EIMG AE Download failed	Error(NG) notification received while requesting Firmware Download.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
AF	EIMG AF Download failed	Error(Server Busy) notification received while requesting Firmware Download.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
B0	EIMG B0 Download failed	Error(Connect failure) notification received while requesting Firmware Download.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
B1	EIMG B1 Download failed	Error in Firmware Download (Time Out).	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
B2	EIMG B2 Updating failed	Error notification received after rewriting the CY920 Firm.	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
B3	EIMG B3 Updating failed	Error in Firmware Update (Time Out).	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
B4	EIMG B4 Updating failed	Failed to transit to Boot Loader Mode.	Initialize the unit and try updating again.
B5	EIMG B5 Updating failed	Failed to transit to Application Mode.	Initialize the unit and try updating again.

Device display during the firmware update

Display the device being updated and the update progress.

Target device	DPMS Update Display	Error code when an error occurs
Main CPU	L1 Main L2 ***min L3 **%	10 - 16 36 - 3F
Audio PLD	L1 APLD L2 ***min L3 **%	50 - 52 54 - 58 5A - 62
VIDEO PLD	L1 VPLD L2 ***min L3 **%	50 - 52 54 - 58 5A - 62
DSP	L1 DSP1 L2 ***min L3 **% L1 DSP2 L1 DSP3 L1 DSP4	50 - 52 54 - 58 5A - 62
GUI Serial Flash	L1 GUI L2 ***min L3 **%	50 - 52 54 - 58 5A 62 80 - 86
CY920 second Boot Loader	L1 ESBL L2 ***min L3 **%	A0 - A4 A6 - A7 AE - B5
CY920 Image	L1 EIMG L2 ***min L3 **%	A0 - A4 A6 - A7 AE - B5
CY920 Image (Emergency Mode)	L1 Update L2 Retry	–

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

After updating the firmware, check the version. See "**1. Version Display Mode**" (page 19).

ADJUSTMENT

Adjusting Idling Current

1. Preparation

(1) Prepare a DC voltmeter.

(2) Place the unit under normal usage conditions, away from highly ventilated areas such as next to an air conditioning machine or electric fan.
The set requires an ambient temperature of 15℃ to 30℃ 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 VR714, VR724, VR734, VR744, VR754, VR764, VR774 of the AMP PCB counterclockwise(↺) as far as possible.

(2) Connect the DC Voltmeter to the test points.

FRONT-Lch	: CN715
FRONT-Rch	: CN725
CENTER ch	: CN735
SURROUND-Lch	: CN745
SURROUND-Rch	: CN755
SURROUND-BACK Lch	: CN765
SURROUND-BACK Rch	: CN775

(3) Connect the power cord to an outlet. Next, press the power button to turn on the power.

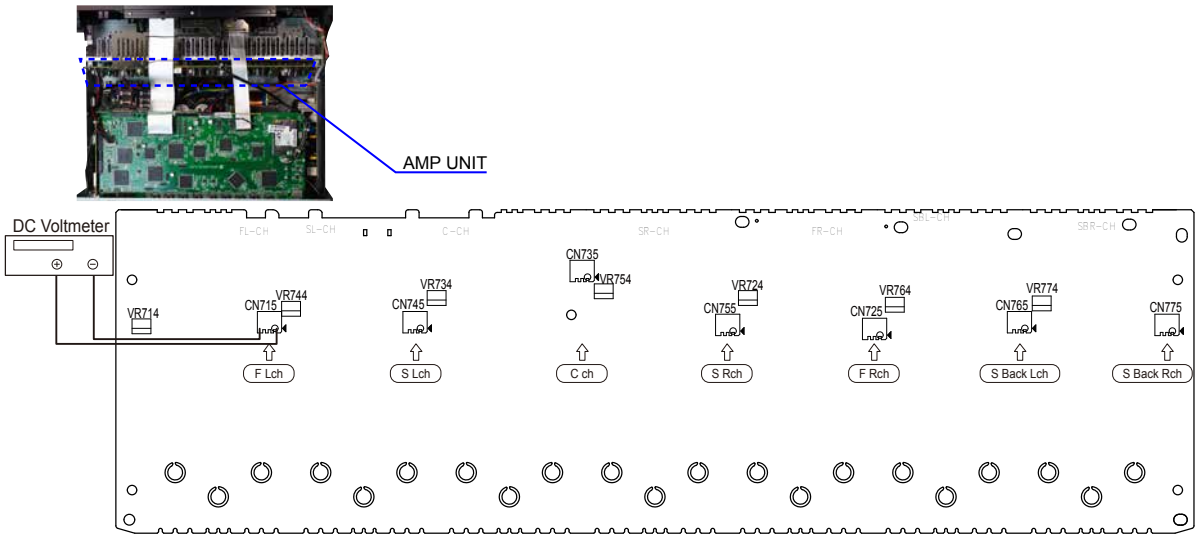
(4) Set this unit as follows.

MASTER VOLUME	: "---" (↺ min.) : turn counterclockwise to the lowest position.
SPEAKER (Speaker terminal)	: No load
(Do not connect equipment such as speakers or dummy resistors.)	
MODE	: MCH STEREO
FUNCTION	: DVD

(5) Turn VR714 clockwise (↻) and adjust the voltage of the test point to "**6.5mV ± 0.5mV DC**" within 2 minutes.

(6) 10 minutes after the preliminary adjustment, turn VR714 and set the voltage to "**8.0mV ± 0.5mV DC**".

(7) Adjust the variable resistance of each channel using the same method.



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. 222)

Sound mode	Channel output													
	Front L/R	Center	Surround L/R	Surround Back L/R	Front Wide L/R	Front Height L/R	Top Front L/R	Top Middle L/R	Top Rear L/R	Rear Height L/R	Front Dolby Atmos Enabled L/R	Surround Dolby Atmos Enabled L/R	Back Dolby Atmos Enabled L/R	Subwoofer
Direct/Pure Direct (2-channel)	○													◎∗7
Direct/Pure Direct (Multi-channel)	○	◎	◎	◎∗3	◎∗3	◎∗3	◎∗3	◎∗3	◎∗3	◎∗3	◎∗3	◎∗3	◎∗3	◎
DSD Direct (2-channel)	○													◎∗7
DSD Direct (Multi-channel)	○	◎	◎											◎
Stereo	○													◎
Multi Ch In	○	◎	◎	◎∗3										◎
Dolby Surround ∗1	○	◎	◎	◎∗4		◎	◎	◎	◎	◎	◎	◎	◎	◎
DTS Neural:X ∗2	○	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Audyssey DSX®	○	◎	◎		◎∗6	◎∗6								◎
Dolby Digital	○	◎	◎											◎
Dolby Digital Plus	○	◎	◎	◎∗3	◎∗3	◎∗3								◎
Dolby TrueHD	○	◎	◎	◎∗3	◎∗3	◎∗3								◎
Dolby Atmos	○	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
DTS Surround	○	◎	◎	◎										◎
DTS 96/24	○	◎	◎	◎										◎
DTS-HD	○	◎	◎	◎∗3	◎∗3	◎∗3								◎
DTS Express	○	◎	◎	◎										◎
DTS:X	○	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Multi Ch Stereo	○	◎	◎	◎∗5	◎∗5	◎∗5	◎∗5	◎∗5	◎∗5	◎∗5	◎∗5	◎∗5	◎∗5	◎
Virtual	○													◎

∗1 The applicable sound mode includes “Dolby Surround” and sound modes that have “+Dolby Surround” in the sound mode name.
∗2 The applicable sound mode includes “DTS Neural:X” and sound modes that have “+Neural:X” in the sound mode name.
∗3 A signal for each channel contained in an input signal is output as audio.
∗4 Audio is not output when “Speaker Config.” - “Surr. Back” in the menu is set to “1 spkr”. (☞ p. 223)
∗5 Audio is output from the speakers specified in the “Surround Parameter” – “Speaker Select” settings. (☞ p. 176)
∗6 Audio is output from the speakers specified in the “Audyssey DSX®” settings. (☞ p. 183)
∗7 Audio is output when “Subwoofer Mode” in the menu is set to “LFE+Main”. (☞ p. 230)

Sound modes and surround parameters

Sound mode	Surround Parameter							
	Dialog Level Adjust	Subwoofer Level Adjust	Cinema EQ	Loudness Management ∗1	Dynamic Compression ∗2	Dialog Control ∗3	Low Frequency Effects ∗4	Speaker Select
Direct/Pure Direct (2-channel) ∗5		○∗6		○	○			
Direct/Pure Direct (Multi-channel) ∗5	○	○		○	○		○	
DSD Direct (2-channel)		○∗6						
DSD Direct (Multi-channel) ∗5	○	○					○	
Stereo		○		○	○			
Multi Ch In	○	○	○				○	
Dolby Surround	○	○	○	○	○			
DTS Neural:X	○	○	○		○			
Audyssey DSX®	○	○	○	○	○		○	
Dolby Digital	○	○	○	○	○		○	
Dolby Digital Plus	○	○	○	○	○		○	
Dolby TrueHD	○	○	○	○	○		○	
Dolby Atmos	○	○	○	○	○		○	
DTS Surround	○	○	○		○		○	
DTS 96/24	○	○	○				○	
DTS-HD	○	○	○				○	
DTS Express	○	○	○				○	
DTS:X	○	○	○			○	○	
Multi Ch Stereo	○	○		○	○		○	○
Virtual	○	○		○	○		○	

∗1 - ∗6 : “Sound modes and surround parameters” (☞ p. 290)

Sound mode	Surround Parameter		Tone ∗7	Audyssey					M-DAX ∗10
	Center Spread	DTS Neural:X		MultEQ® XT32 ∗8	Dynamic EQ ∗9	Dynamic Volume ∗9	Audyssey LFC™ ∗9	Audyssey DSX®	
Direct/Pure Direct (2-channel) ∗5									
Direct/Pure Direct (Multi-channel) ∗5									
DSD Direct (2-channel)									
DSD Direct (Multi-channel) ∗5									
Stereo			○	○	○	○	○		○
Multi Ch In			○	○	○	○	○	○	
Dolby Surround	○		○	○	○	○	○		○
DTS Neural:X			○	○	○	○	○		○
Audyssey DSX®			○	○	○	○	○	○	
Dolby Digital			○	○	○	○	○	○	
Dolby Digital Plus			○	○	○	○	○	○	
Dolby TrueHD			○	○	○	○	○	○	
Dolby Atmos			○	○	○	○	○		
DTS Surround			○	○	○	○	○	○	
DTS 96/24			○	○	○	○	○	○	
DTS-HD			○	○	○	○	○	○	
DTS Express			○	○	○	○	○	○	
DTS:X		○	○	○	○	○	○		
Multi Ch Stereo			○	○	○	○	○		○
Virtual			○	○	○	○	○		○

∗5, ∗7 - ∗10: “Sound modes and surround parameters” (☞ p. 290)

∗1 This item can be selected when a Dolby Digital, Dolby Digital Plus, Dolby TrueHD or Dolby Atmos signal is played.

∗2 This item can be selected when a Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS:X or DTS signal is played.

∗3 This item can be selected when a DTS:X signal that is compatible with the Dialog Control function is input.

∗4 This item can be selected when a Dolby Digital or DTS signal or DVD-Audio is played.

∗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. 230)

∗7 This item cannot be set when “Dynamic EQ” is set to “On”. (☞ p. 181)

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

∗9 This item cannot be set when “MultEQ® XT32” in the menu is set to “Off”. (☞ p. 180)

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

Types of input signals, and corresponding sound modes

● This indicates the default sound mode.
○ This indicates the selectable sound mode.

Sound mode	NOTE	2-channel signal				Multi-channel signal											
		Analog / PCM	Dolby Digital (+/HD)	DTS (-HD)	DSD (Super Audio CD)	PCM Multi	DTS:X	DTS-HD	DTS Express	DTS ES Dscrt6.1	DTS ES Mtrx6.1	DTS	Dolby Atmos	Dolby TrueHD	Dolby Digital Plus	Dolby Digital (EX)	DSD (Super Audio CD)
DTS Surround																	
DTS:X MSTR / DTS:X							●										
DTS-HD MSTR								●∗3									
DTS-HD HI RES								●∗4									
DTS ES Dscrt6.1	∗2									●							
DTS ES Mtrx6.1	∗2										●						
DTS Surround										○	○	●					
DTS 96/24												●∗5					
DTS Express									●								
DTS (-HD) + Neural:X								○	○	○	○	○					
DTS Neural:X		○		●	○												
Dolby Surround																	
Dolby Atmos ∗1													●				
Dolby TrueHD													○∗6	○			
Dolby Digital+													○∗7		○		
Dolby (D+) (HD) + Dolby Surround														●	●	●	
Dolby Digital																○	
Dolby Surround		○	●		○												

∗1 – ∗7 : “Types of input signals, and corresponding sound modes” (☞ p. 293)

Sound mode	NOTE	2-channel signal				Multi-channel signal											
		Analog / PCM	Dolby Digital (+/HD)	DTS (-HD)	DSD (Super Audio CD)	PCM Multi	DTS:X	DTS-HD	DTS Express	DTS ES Dscrt6.1	DTS ES Mtrx6.1	DTS	Dolby Atmos	Dolby TrueHD	Dolby Digital Plus	Dolby Digital (EX)	DSD (Super Audio CD)
Multi Ch In																	
Multi Ch In						●											●
Multi Ch In + Dolby Surround						○											○
Multi Ch In 7.1	∗2					○∗9											
Multi Ch In + Neural:X						○											○
Audyssey																	
Audyssey DSX®						○		○	○	○	○	○	○∗10	○	○	○	○
Direct																	
Direct		○∗8	○	○		○	○	○	○	○	○	○	○	○	○	○	
DSD Direct					○												○
Pure Direct																	
Pure Direct		○	○	○		○	○	○	○	○	○	○	○	○	○	○	
DSD Pure Direct					○												○
Original sound mode																	
Multi Ch Stereo		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Virtual		○	○	○	○	○	○	○	○	○	○	○	○∗10	○	○	○	○
Stereo																	
Stereo		●	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○

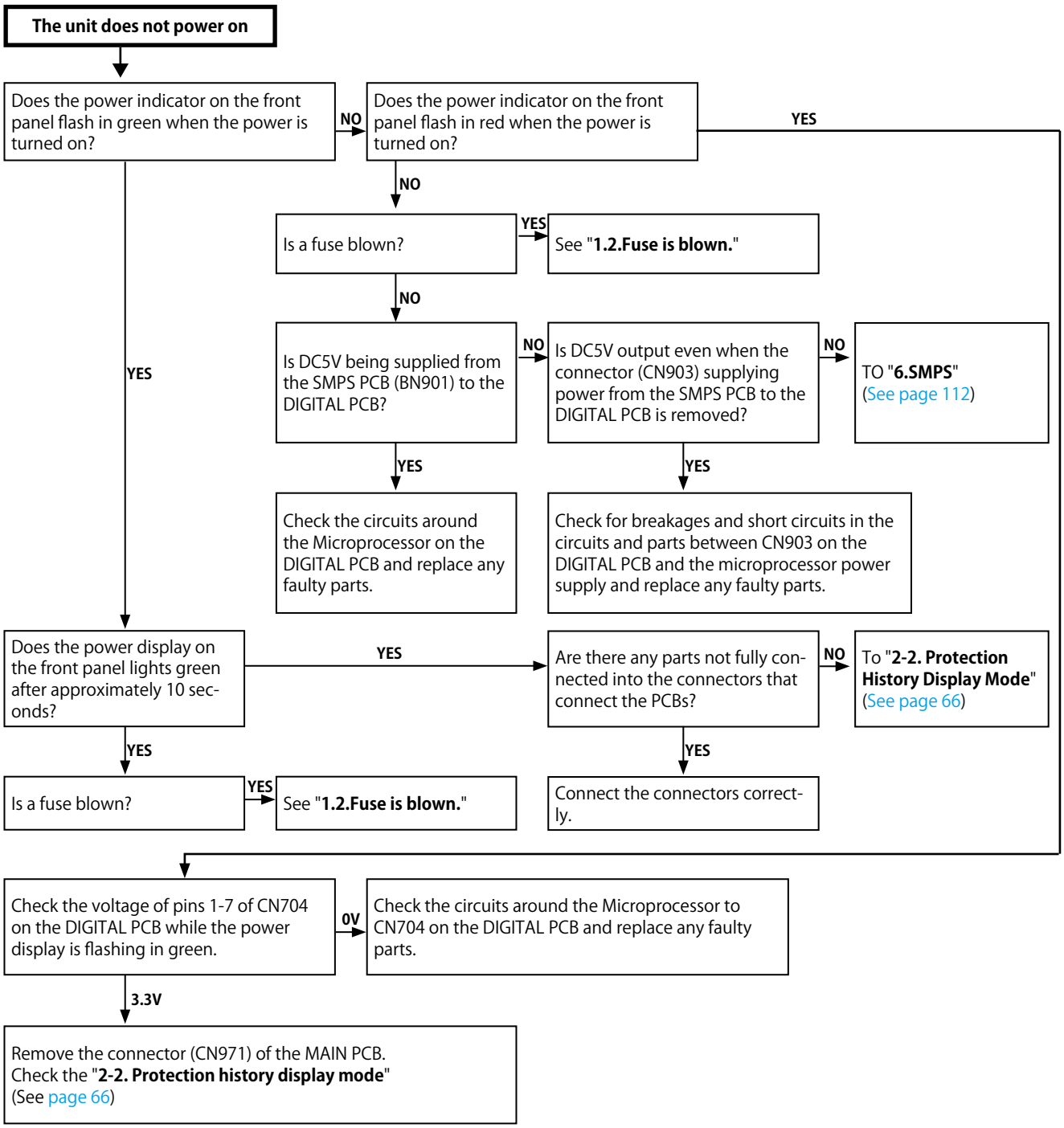
∗2, ∗8 – ∗10 : “Types of input signals, and corresponding sound modes” (☞ p. 293)

∗1 This item can be selected when using any of the Surround Back, Front Wide, Front Height, Top Front, Top Middle, Top Rear, Rear Height, Front Dolby, Surround Dolby or Back Dolby speaker.
∗2 This item can be selected when surround back speakers are used.
∗3 This item can be selected when the input signal is DTS-HD Master Audio.
∗4 This item can be selected when the input signal is DTS-HD Hi Resolution.
∗5 This item can be selected when the input signal is DTS 96/24.
∗6 This can be selected when the Dolby Atmos signal contains the Dolby TrueHD signal.
∗7 This can be selected when the Dolby Atmos signal contains the Dolby Digital Plus signal.
∗8 The default sound mode for the AirPlay playback is “Direct”.
∗9 This item can be selected when the input signals contain surround back signals.
∗10 This can be selected when the Dolby Atmos signal contains the Dolby TrueHD or Dolby Digital Plus signal.

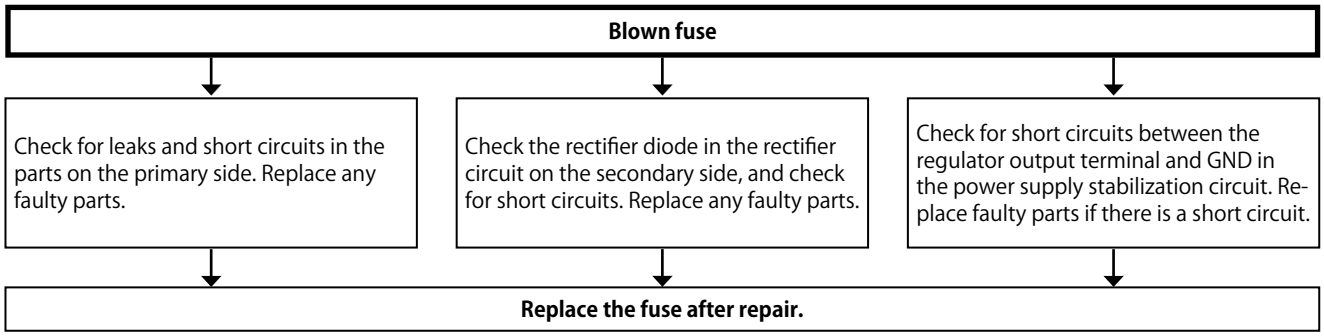
TROUBLE SHOOTING

1. POWER

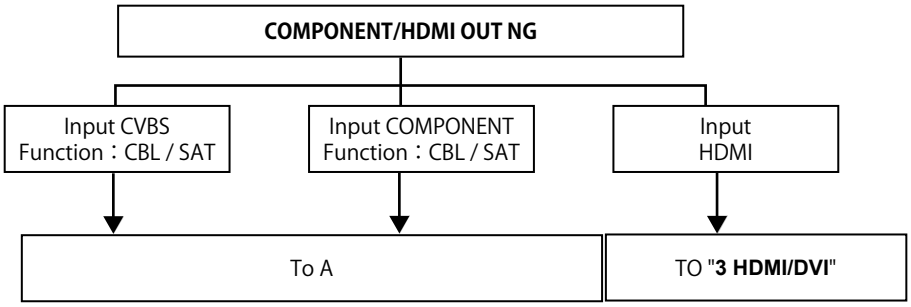
1.1. The unit does not power on



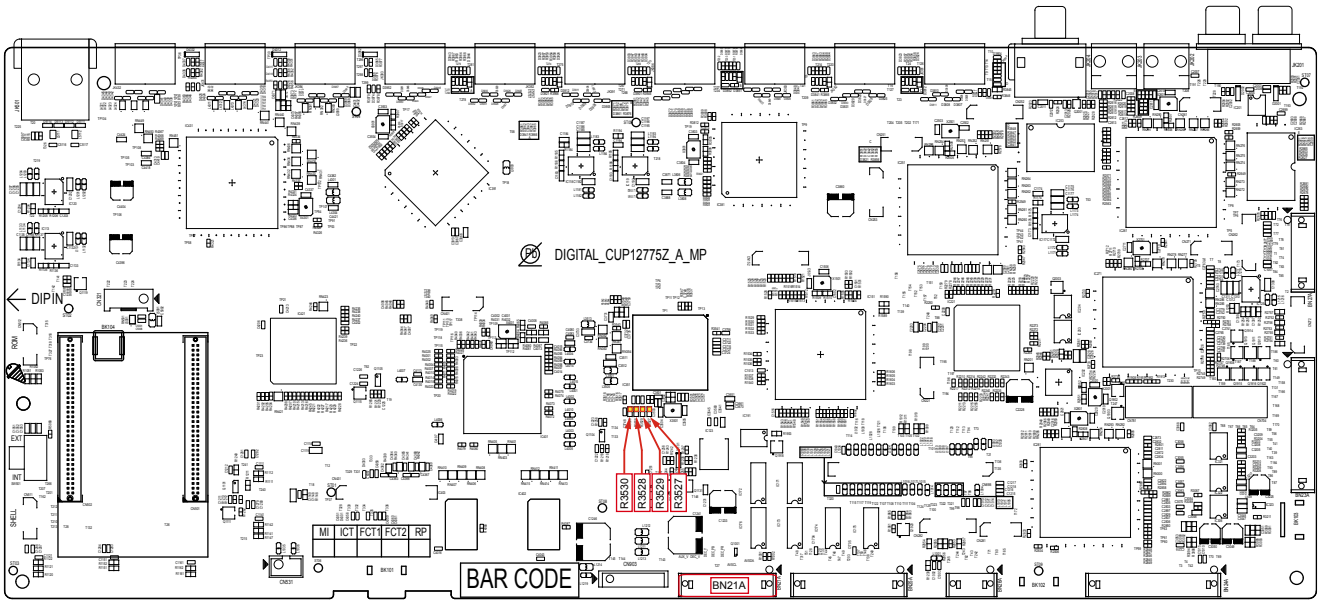
1.2. Fuse is blown



2. Analog video

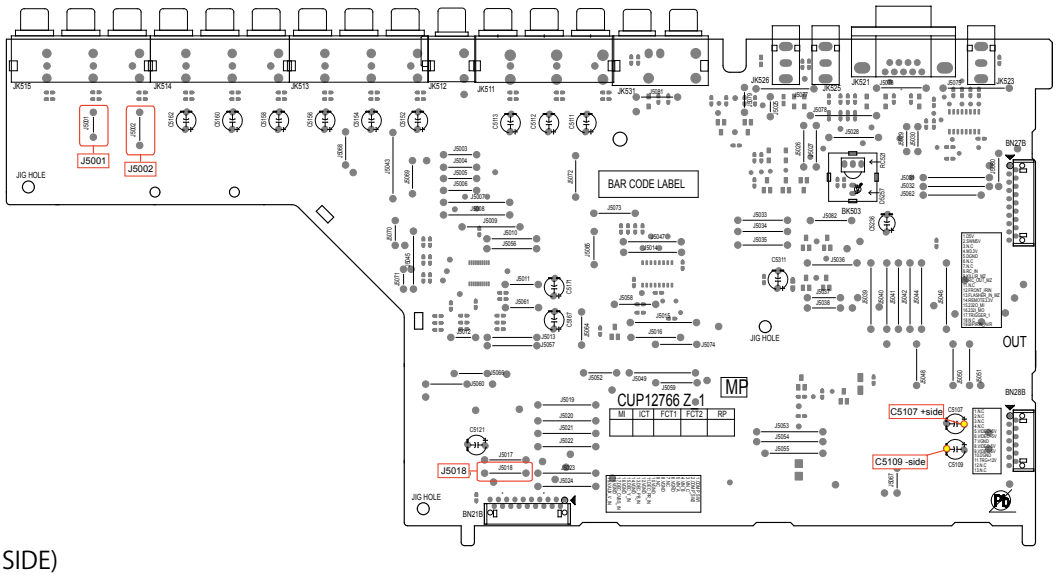


DIGITAL test point

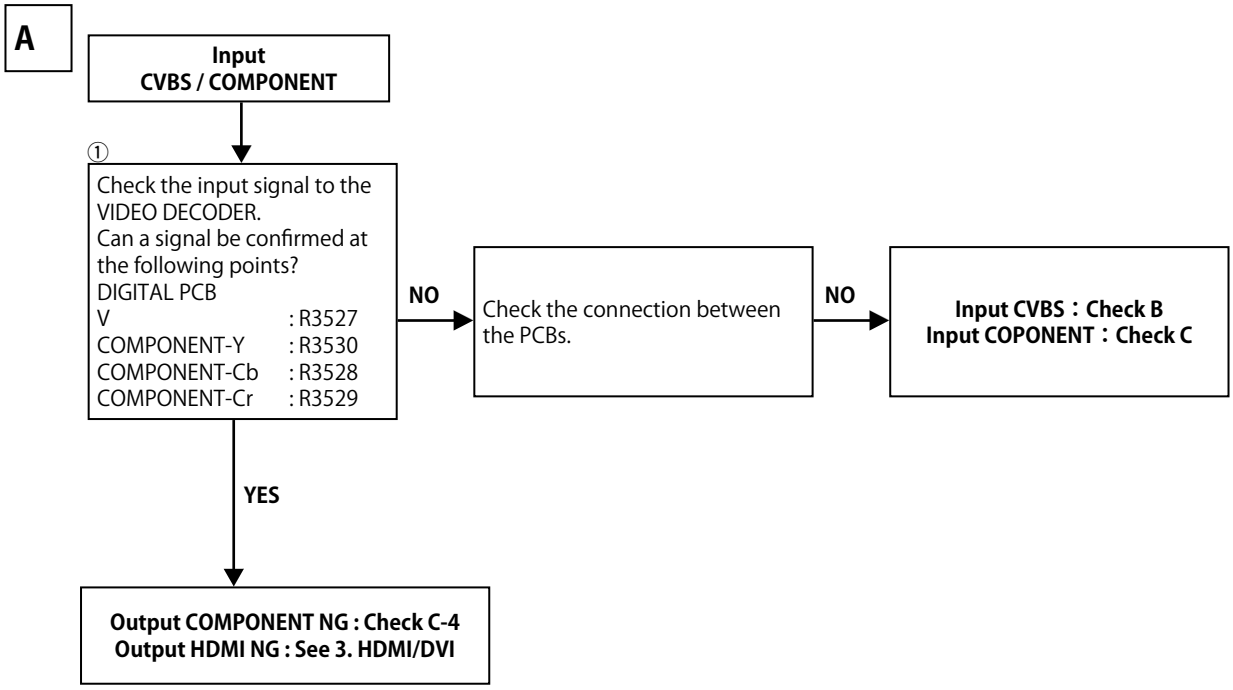


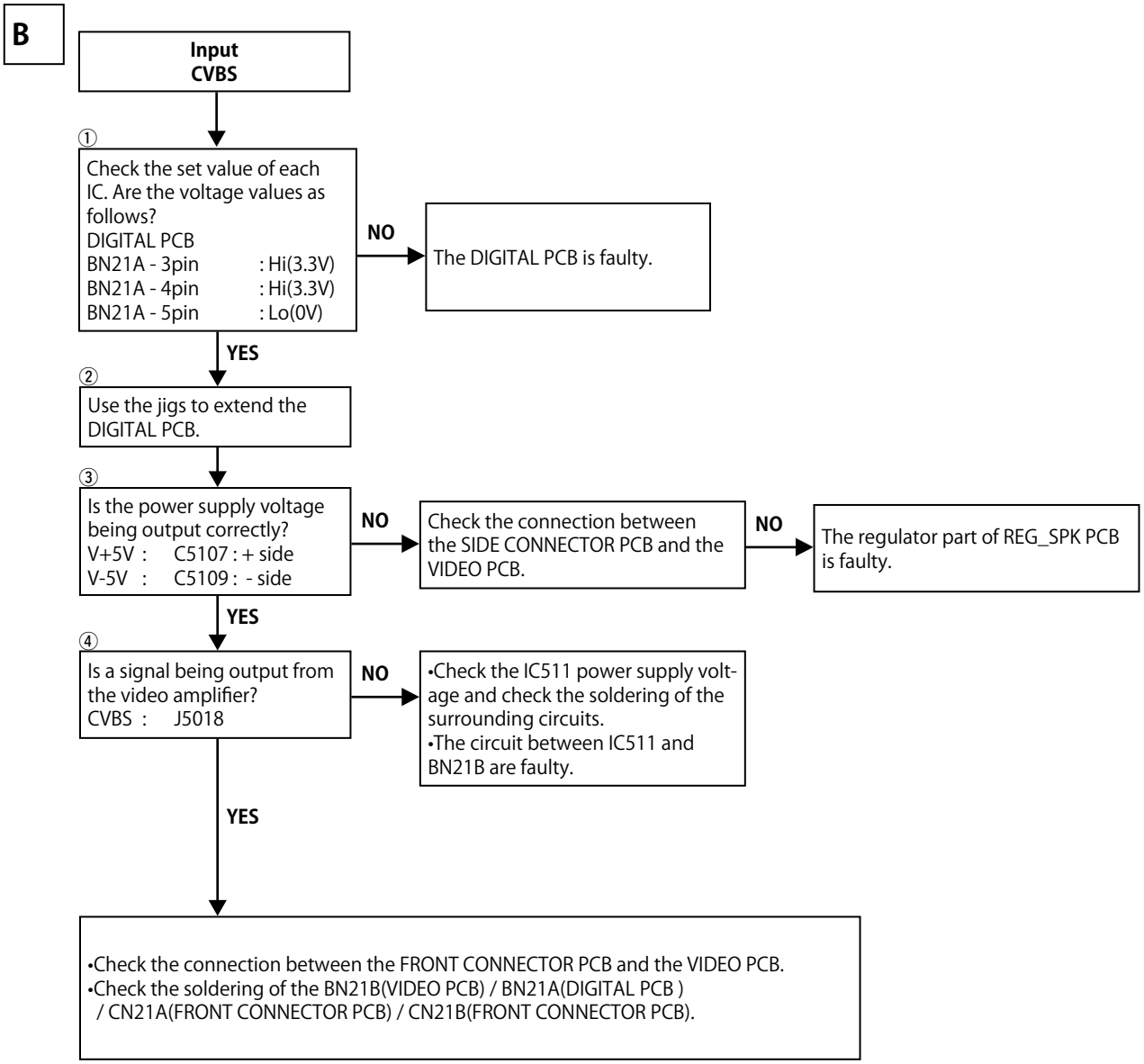
(A SIDE)

VIDEO test point

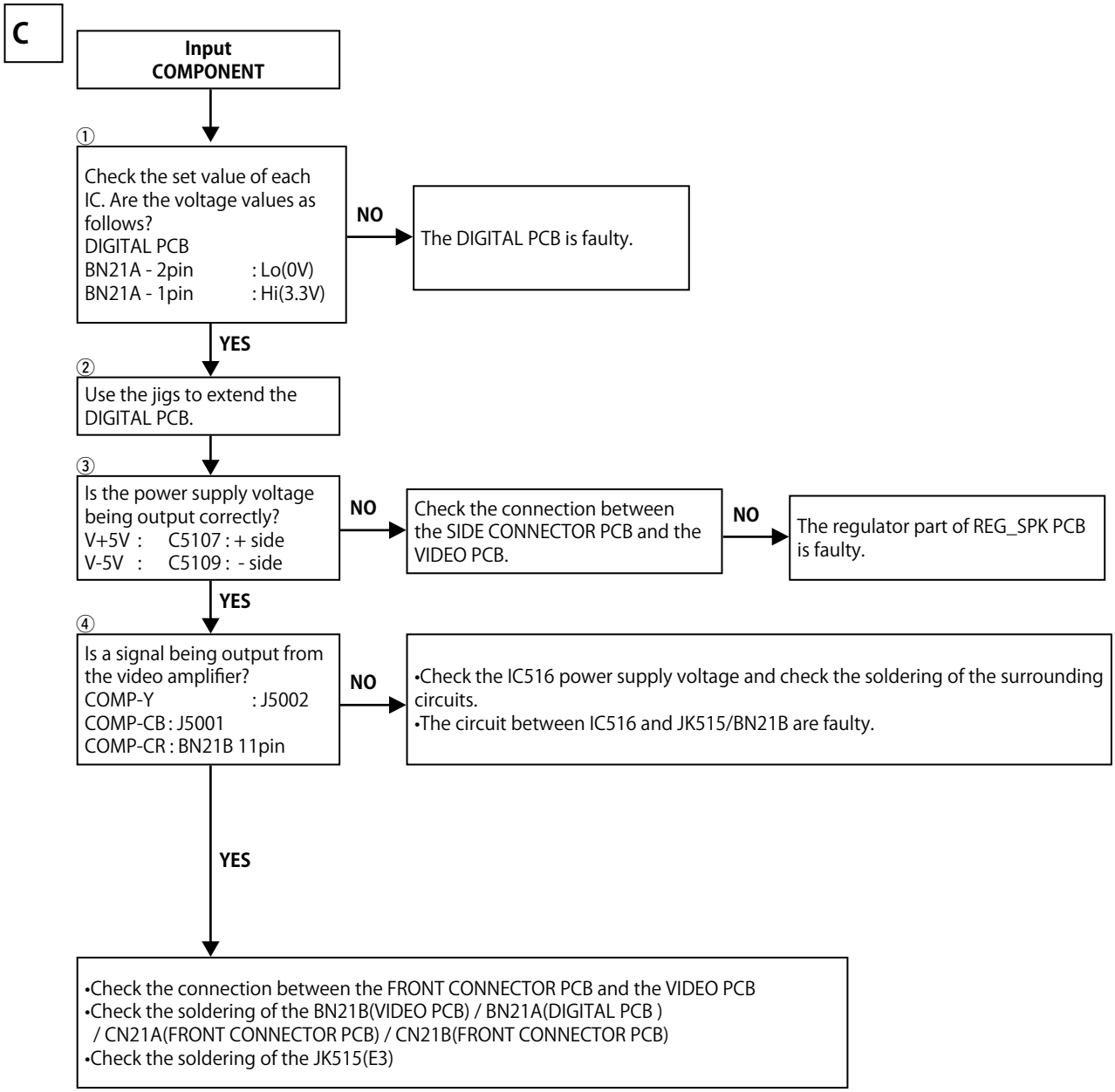


(A SIDE)


A
Input
CVBS / COMPONENT
①
Check the input signal to the VIDEO DECODER.
Can a signal be confirmed at the following points?
DIGITAL PCB
V : R3527
COMPONENT-Y : R3530
COMPONENT-Cb : R3528
COMPONENT-Cr : R3529
NO
Check the connection between the PCBs.
NO
Input CVBS：Check B
Input COPONENT：Check C
YES
Output COMPONENT NG : Check C-4
Output HDMI NG : See 3. HDMI/DVI



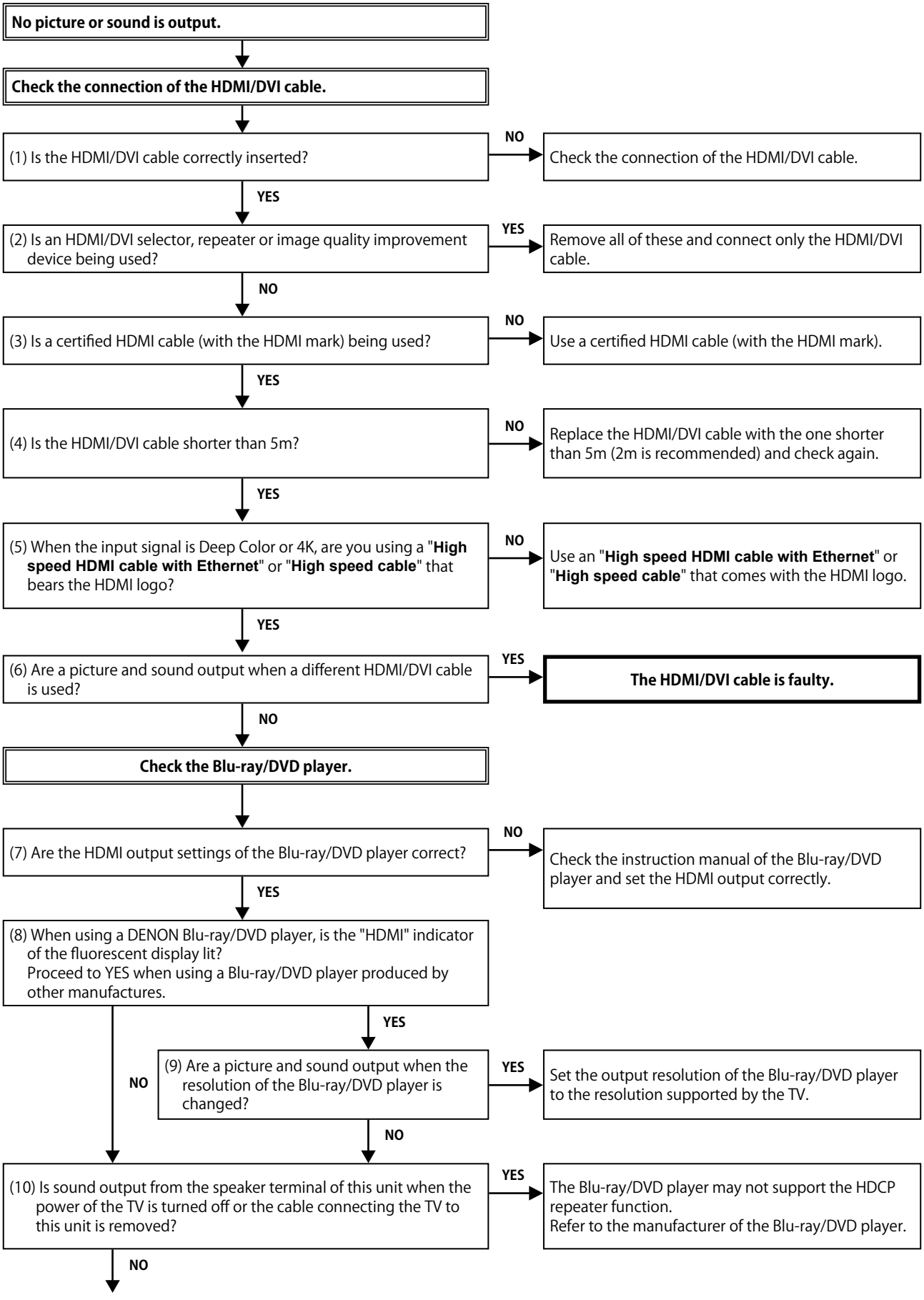
※ All parts are VIDEO PCB parts unless otherwise specified.

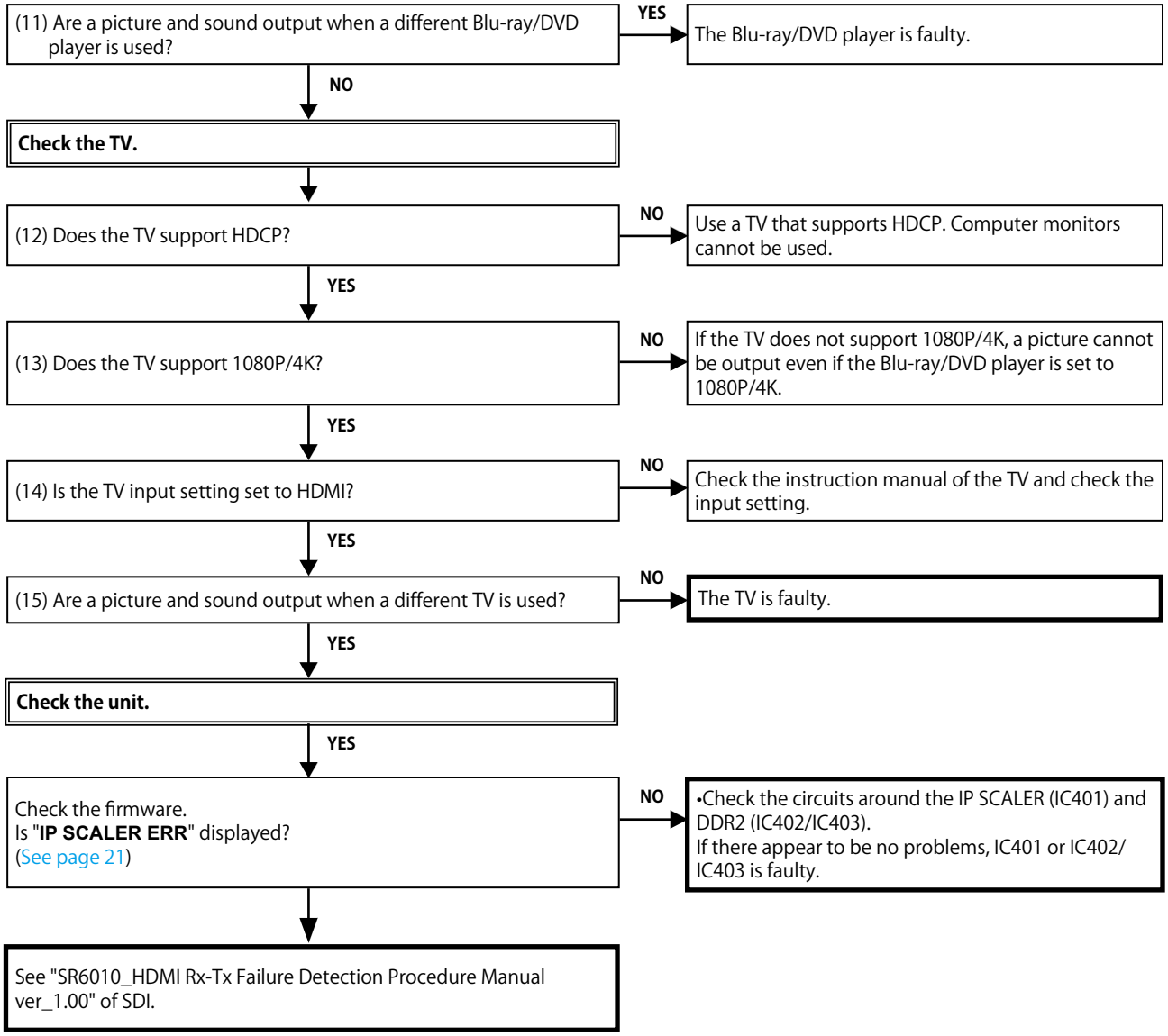


※ All parts are VIDEO PCB parts unless otherwise specified.

3. HDMI/DVI

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




(11) Are a picture and sound output when a different Blu-ray/DVD player is used?
YES
The Blu-ray/DVD player is faulty.
NO
Check the TV.
(12) Does the TV support HDCP?
NO
Use a TV that supports HDCP. Computer monitors cannot be used.
YES
(13) Does the TV support 1080P/4K?
NO
If the TV does not support 1080P/4K, a picture cannot be output even if the Blu-ray/DVD player is set to 1080P/4K.
YES
(14) Is the TV input setting set to HDMI?
NO
Check the instruction manual of the TV and check the input setting.
YES
(15) Are a picture and sound output when a different TV is used?
NO
The TV is faulty.
YES
Check the unit.
YES
Check the firmware.
Is "IP SCALER ERR" displayed?
(See page 21)
NO
•Check the circuits around the IP SCALER (IC401) and DDR2 (IC402/IC403).
If there appear to be no problems, IC401 or IC402/IC403 is faulty.
See "SR6010_HDMI Rx-Tx Failure Detection Procedure Manual ver_1.00" of SDI.

4. AUDIO

4.1. AUDIO CHECK

No audio output

See "Audio Check PATH" (page 114).

CHECK1	INPUT	SURROND MODE	SOURCE
Audio output OK?	ANALOG 2CH	DIRECT	ANALOG

NO → Check the ANALOG AUDIO BLOCK

YES

CHECK2	INPUT	SURROND MODE	SOURCE
Audio output OK?	COAX or OPT	-	Legacy (PCM or DolbyDigital or dts…)

NO → Check the DIGITAL AUDIO BLOCK

YES

CHECK3	INPUT	SURROND MODE	SOURCE
Audio output OK?	ANALOG 2CH	MULTICH STEREO	ANALOG

NO → Check the ADC BLOCK

YES

CHECK4	INPUT	SURROND MODE	SOURCE
Audio output OK?	HDMI	-	Legacy (PCM2ch or DolbyDigital or dts…)

NO → Check the HDMI BLOCK

YES

CHECK5	INPUT	SURROND MODE	SOURCE
Audio output OK?	HDMI	-	HBR audio (DolbyTrueHD or dtsHD MA)

YES (DIGITAL AUDIO BLOCK is OK) → Check for other causes

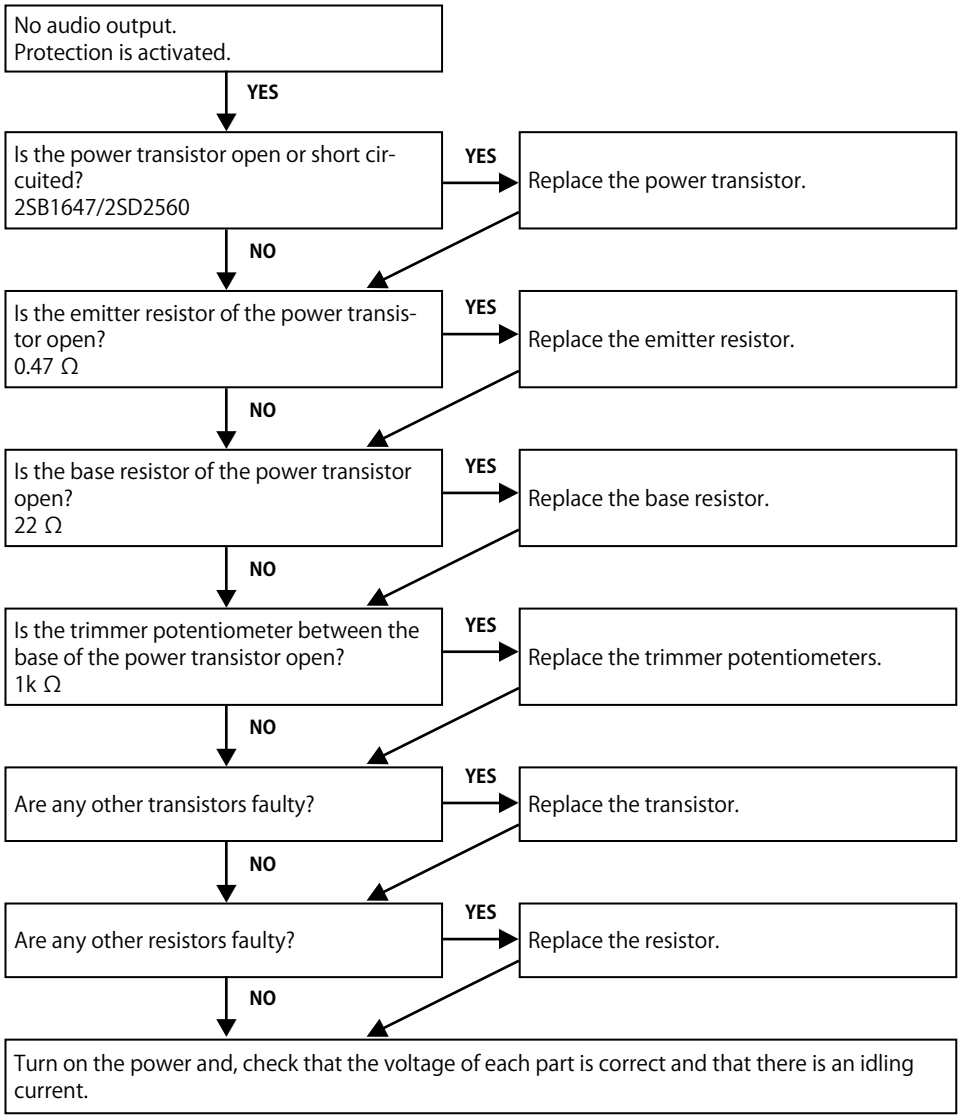
NO

CHECK6	INPUT	Connect	
AVR's (connected in HDMI) audio output OK?	HDMI	This unit's HDMI OUT → Other AVR's HDMI IN	
	Setting	SURROND MODE	SOURCE
	CEC STANDBY	-	HBR audio(DolbyTrueHD or dtsHD MA)

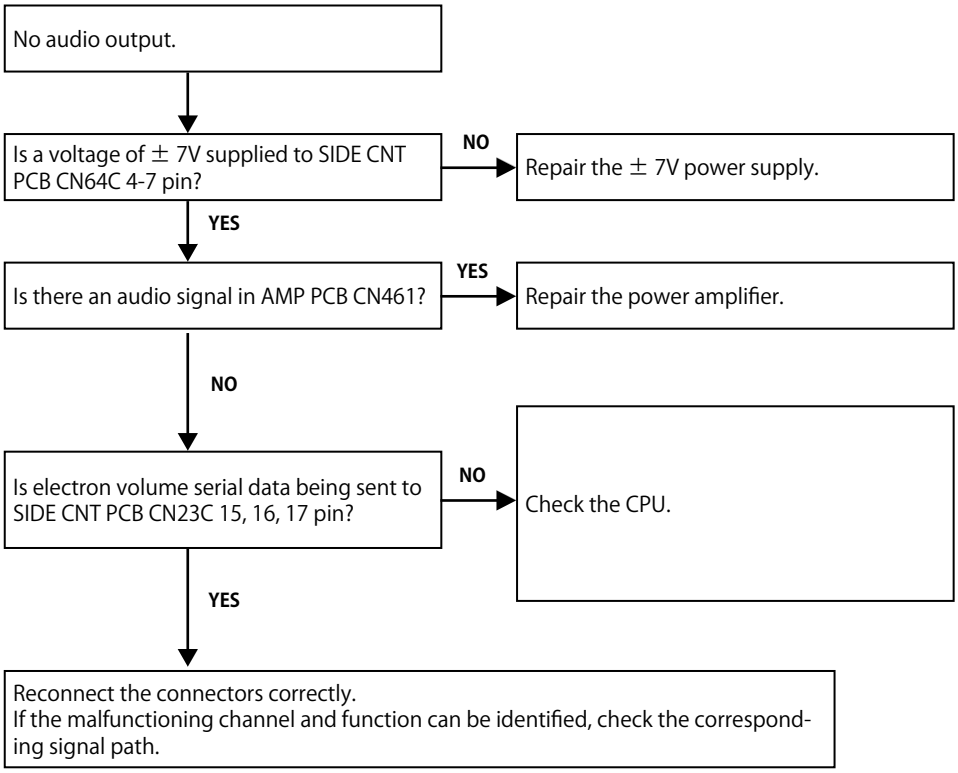
YES → Check the DIGITAL AUDIO BLOCK

NO → Check the HDMI BLOCK

4.2. Power AMP (AMP PCB)

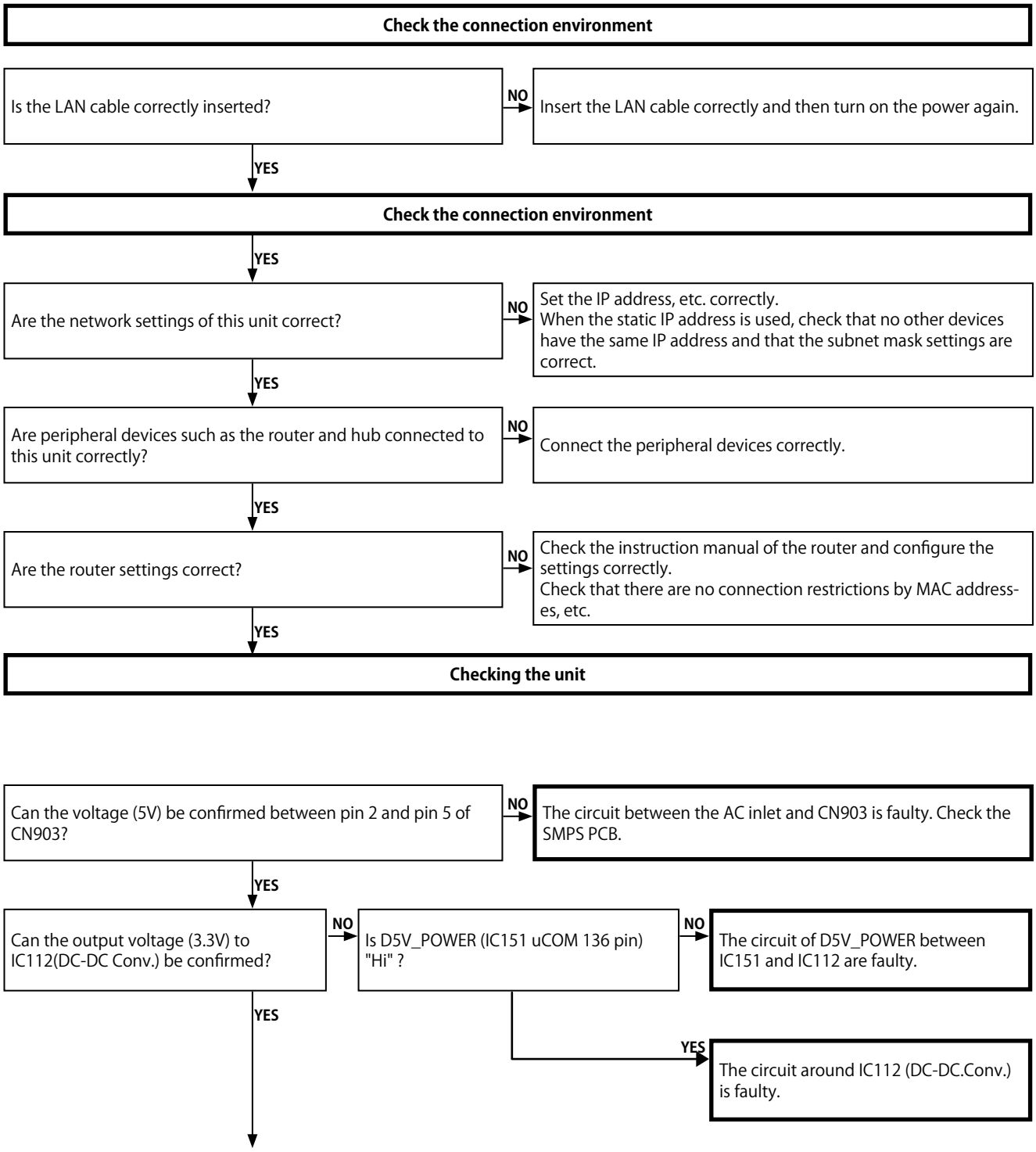


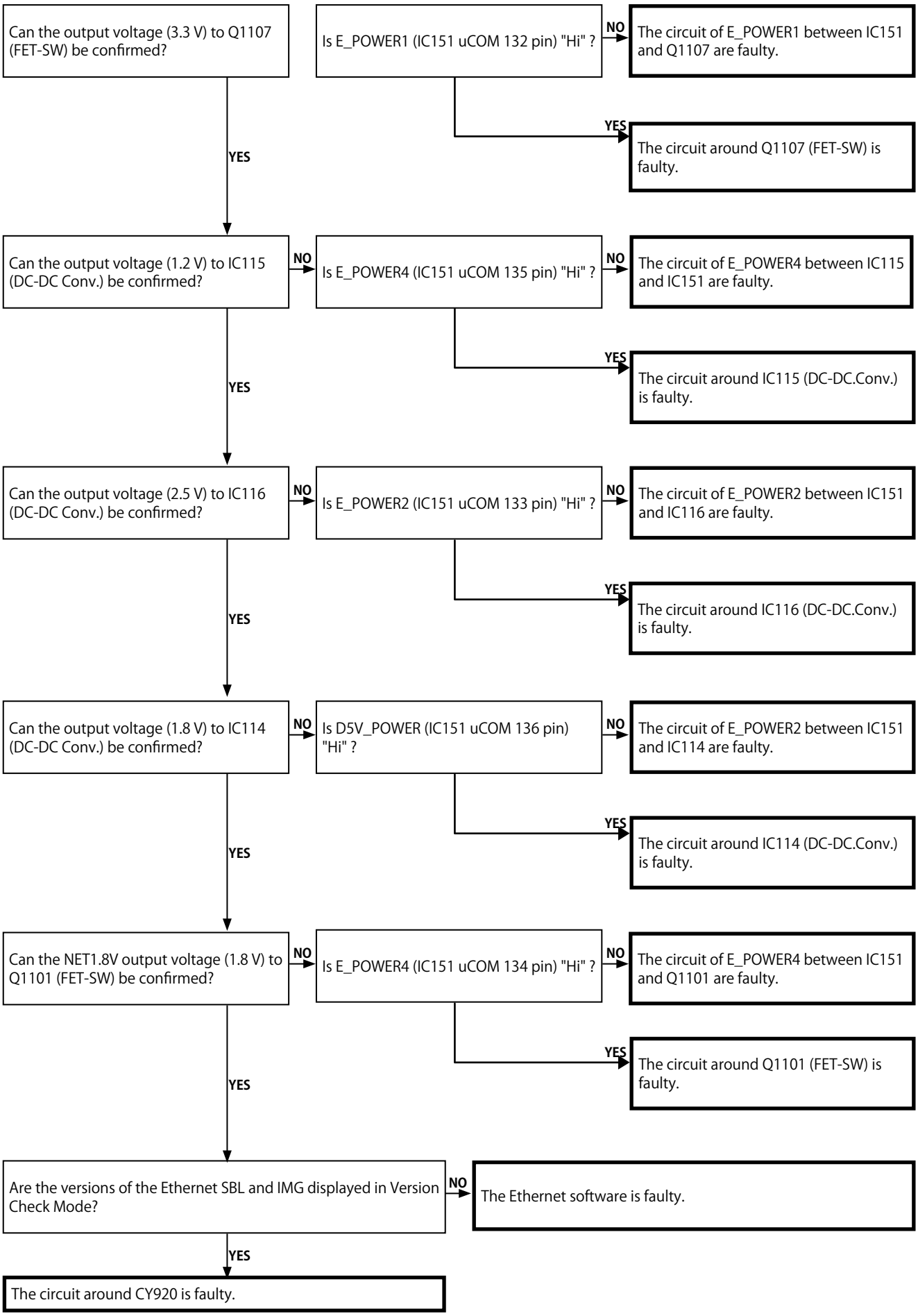
4.3. Analog audio



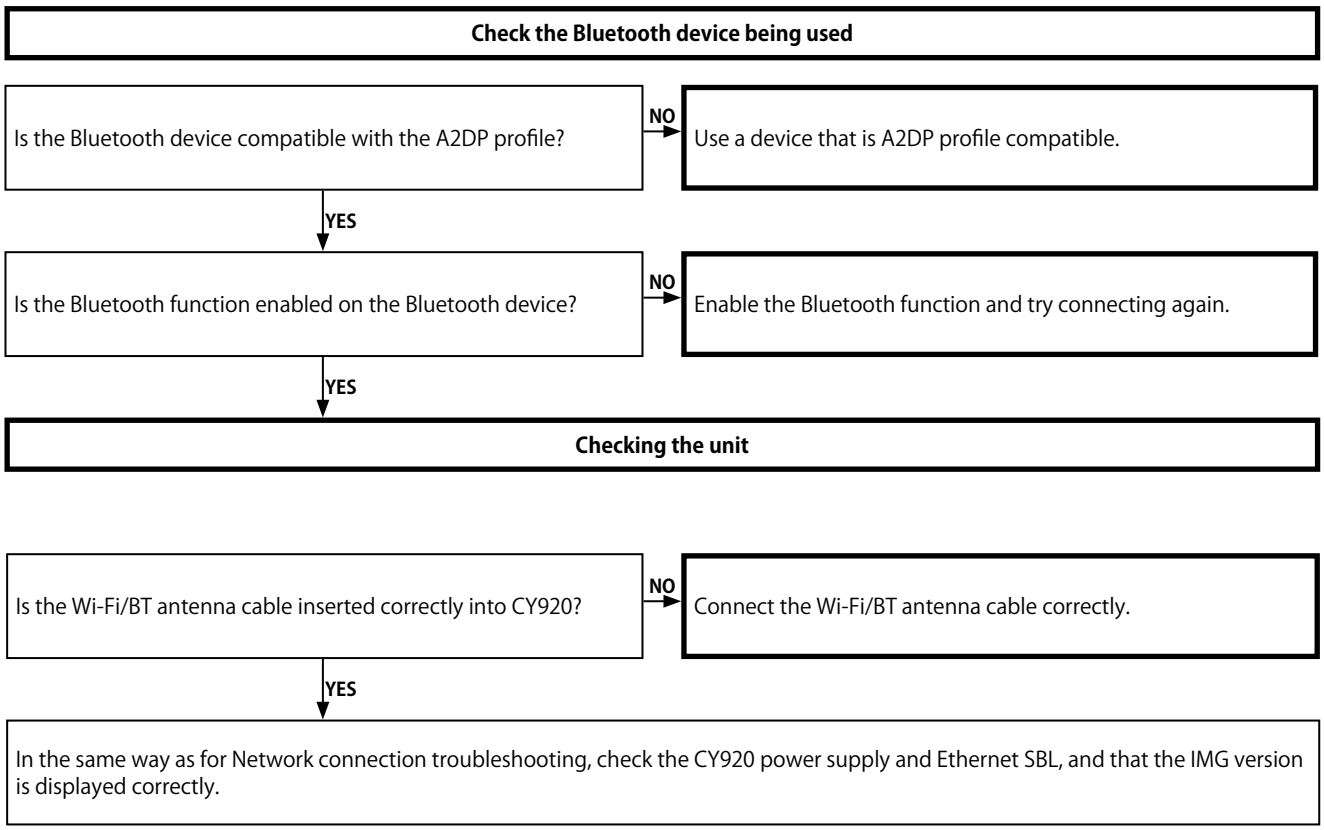
5. Network/Bluetooth/USB

5.1. Cannot connect to the network

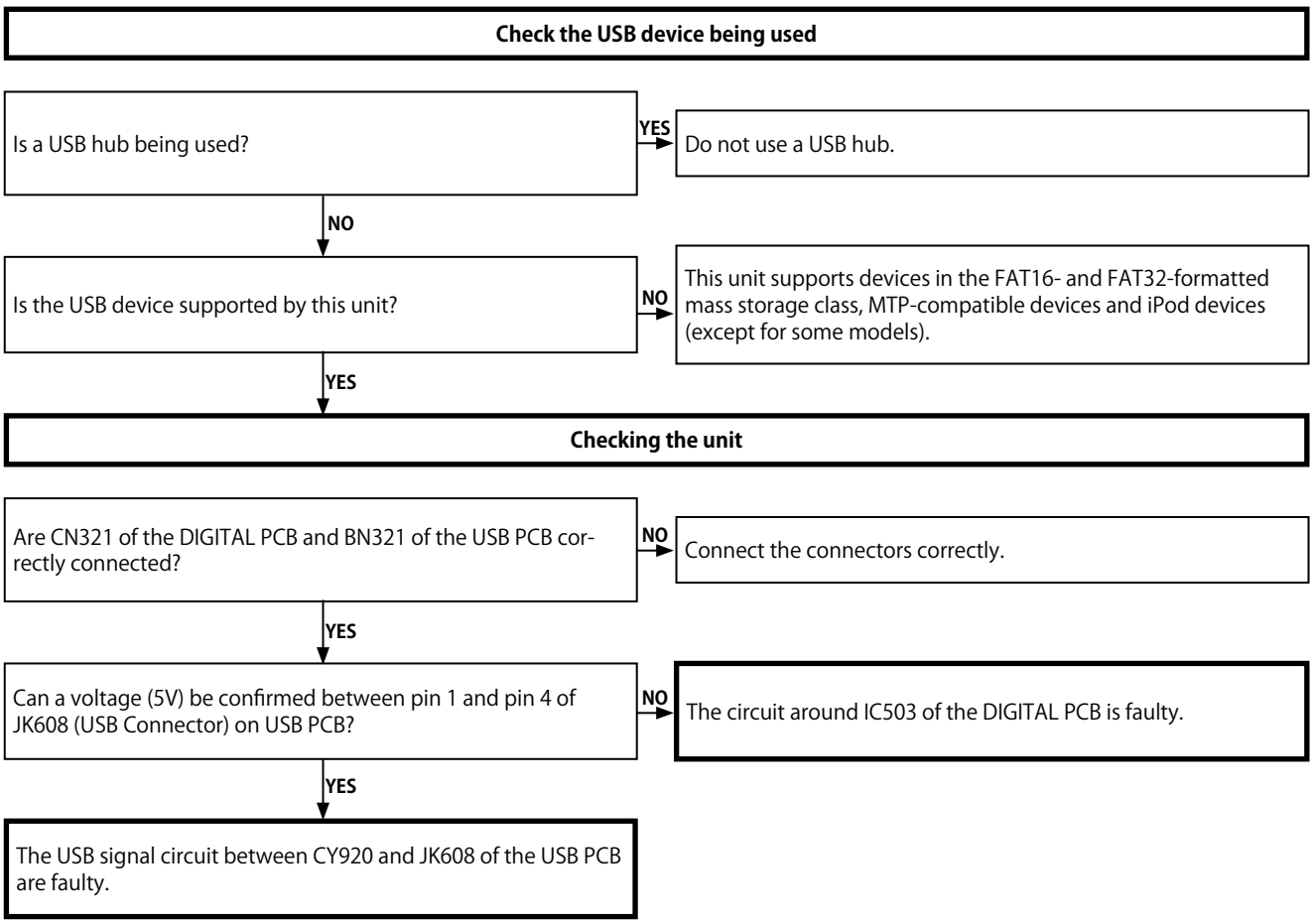



Can the output voltage (3.3 V) to Q1107 (FET-SW) be confirmed?
Is E_POWER1 (IC151 uCOM 132 pin) "Hi" ?
NO
The circuit of E_POWER1 between IC151 and Q1107 are faulty.
YES
The circuit around Q1107 (FET-SW) is faulty.
YES
Can the output voltage (1.2 V) to IC115 (DC-DC Conv.) be confirmed?
NO
Is E_POWER4 (IC151 uCOM 135 pin) "Hi" ?
NO
The circuit of E_POWER4 between IC115 and IC151 are faulty.
YES
The circuit around IC115 (DC-DC.Conv.) is faulty.
YES
Can the output voltage (2.5 V) to IC116 (DC-DC Conv.) be confirmed?
NO
Is E_POWER2 (IC151 uCOM 133 pin) "Hi" ?
NO
The circuit of E_POWER2 between IC151 and IC116 are faulty.
YES
The circuit around IC116 (DC-DC.Conv.) is faulty.
YES
Can the output voltage (1.8 V) to IC114 (DC-DC Conv.) be confirmed?
NO
Is D5V_POWER (IC151 uCOM 136 pin) "Hi" ?
NO
The circuit of E_POWER2 between IC151 and IC114 are faulty.
YES
The circuit around IC114 (DC-DC.Conv.) is faulty.
YES
Can the NET1.8V output voltage (1.8 V) to Q1101 (FET-SW) be confirmed?
NO
Is E_POWER4 (IC151 uCOM 134 pin) "Hi" ?
NO
The circuit of E_POWER4 between IC151 and Q1101 are faulty.
YES
The circuit around Q1101 (FET-SW) is faulty.
YES
Are the versions of the Ethernet SBL and IMG displayed in Version Check Mode?
NO
The Ethernet software is faulty.
YES
The circuit around CY920 is faulty.

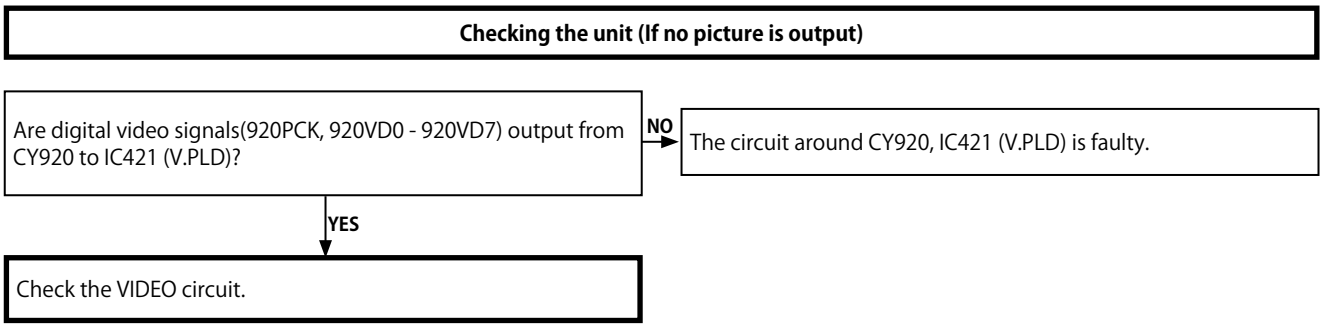
5.2. Cannot establish a Bluetooth connection

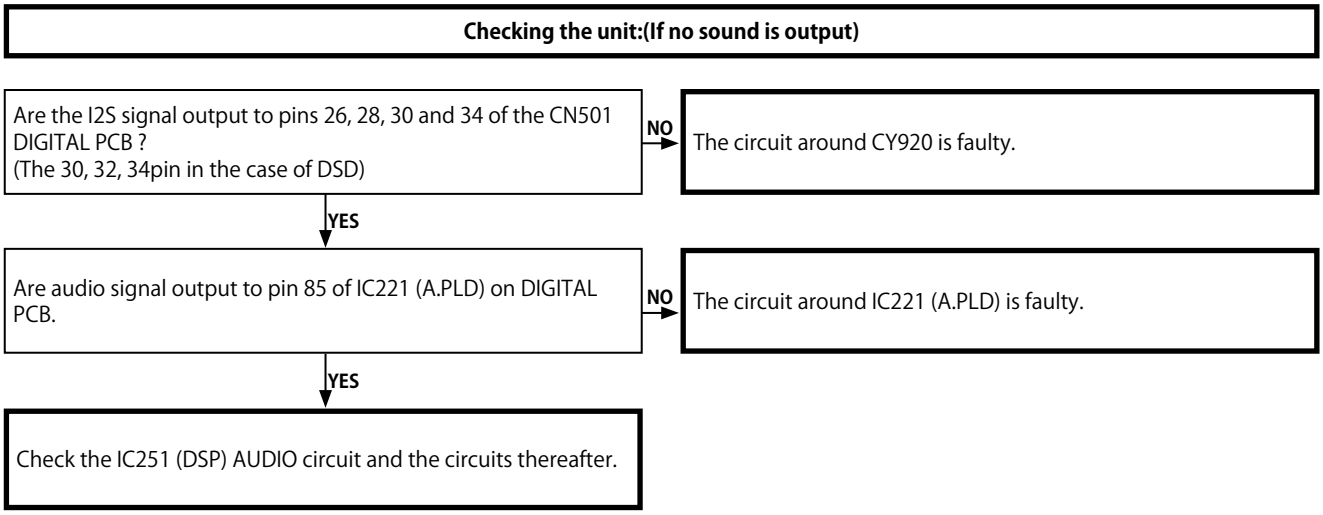


5.3. Cannot recognize the connected USB device

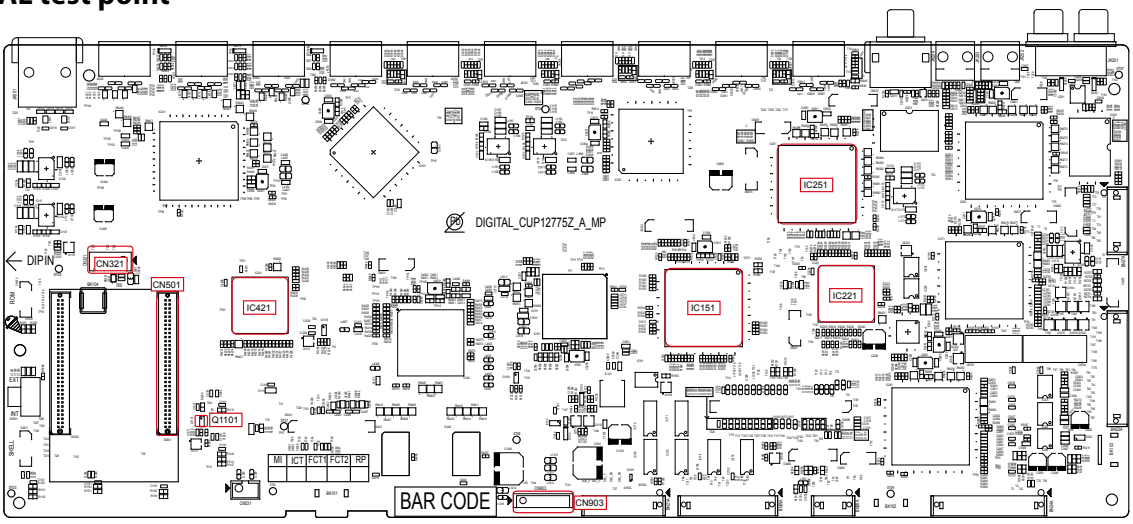


5.4. No picture or sound is output

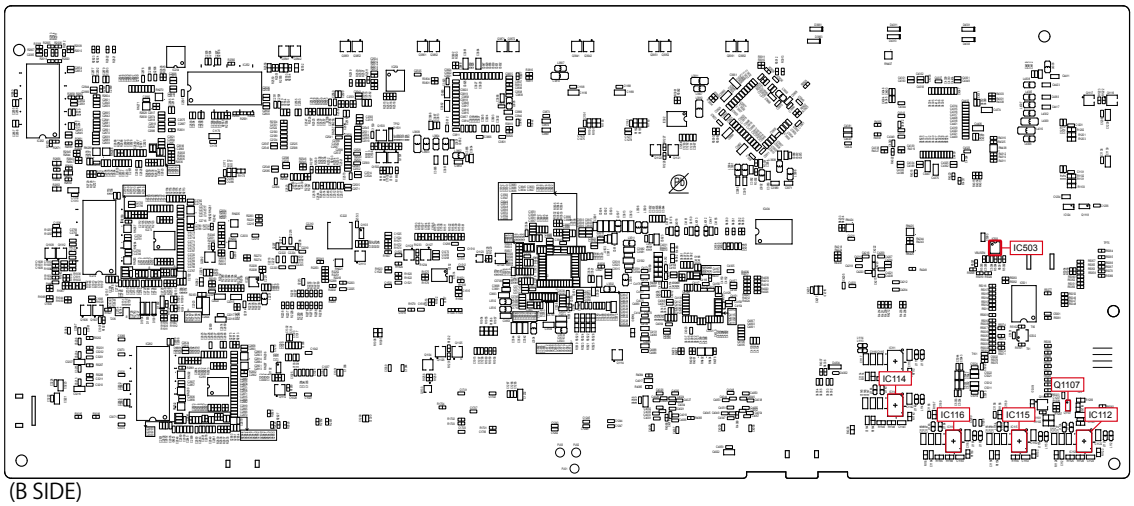




DIGITAL test point

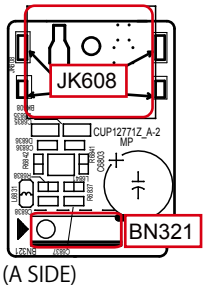


(A SIDE)



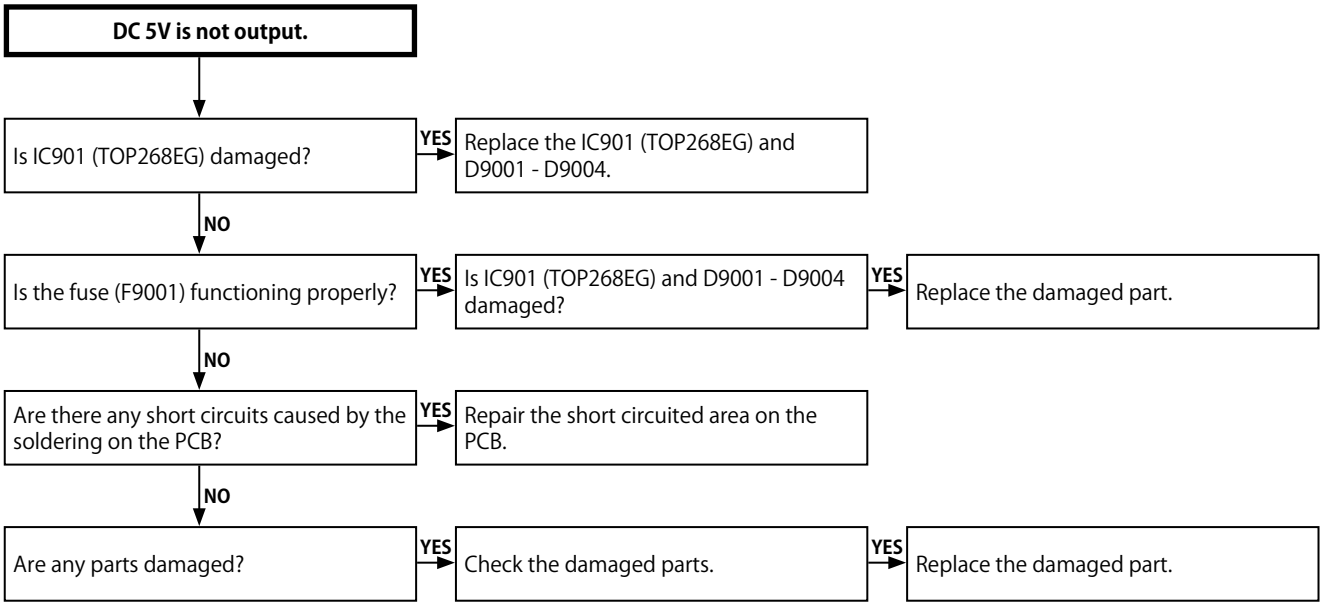
(B SIDE)

USB test point

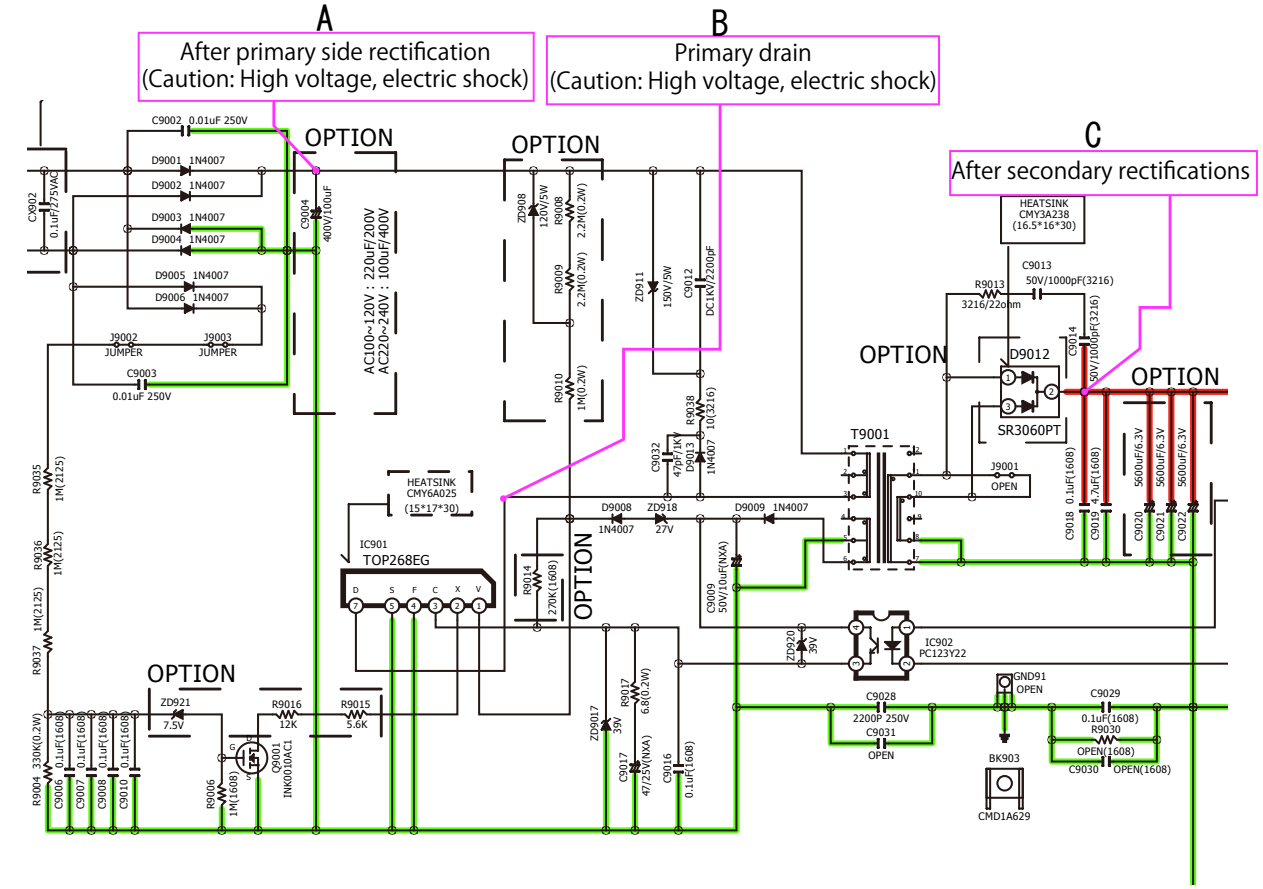


(A SIDE)

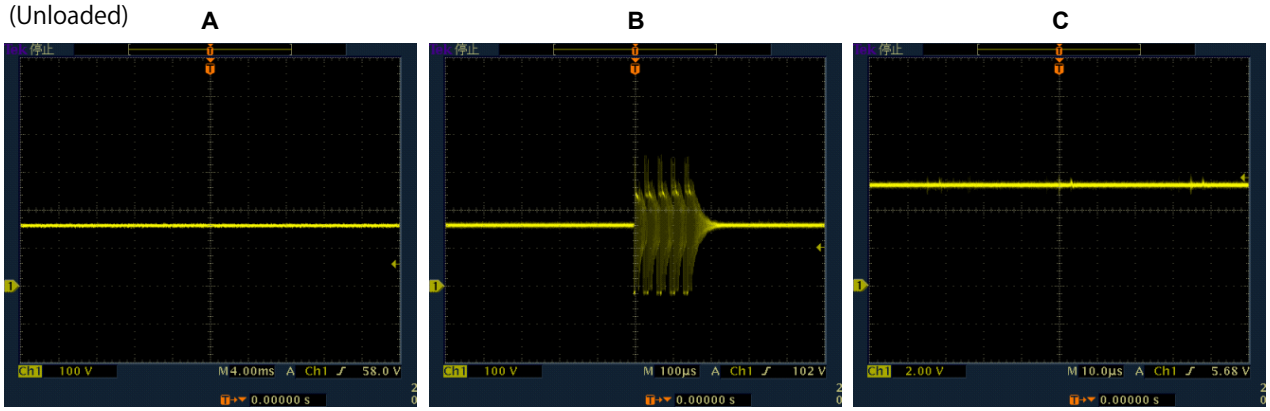
6. SMPS


DC 5V is not output.
Is IC901 (TOP268EG) damaged?
YES
Replace the IC901 (TOP268EG) and D9001 - D9004.
NO
Is the fuse (F9001) functioning properly?
YES
Is IC901 (TOP268EG) and D9001 - D9004 damaged?
YES
Replace the damaged part.
NO
Are there any short circuits caused by the soldering on the PCB?
YES
Repair the short circuited area on the PCB.
NO
Are any parts damaged?
YES
Check the damaged parts.
YES
Replace the damaged part.

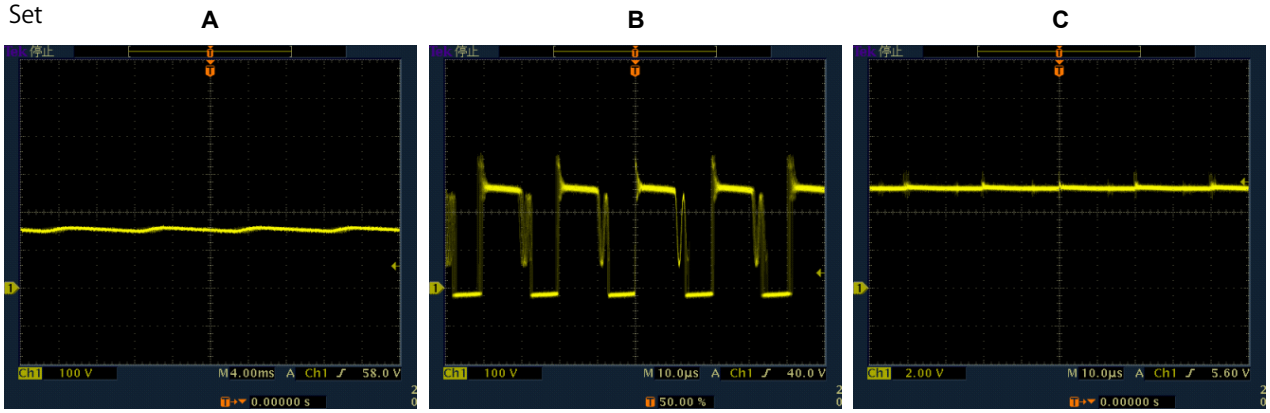
Operation waveform for each part



SMPS unit
(Unloaded)

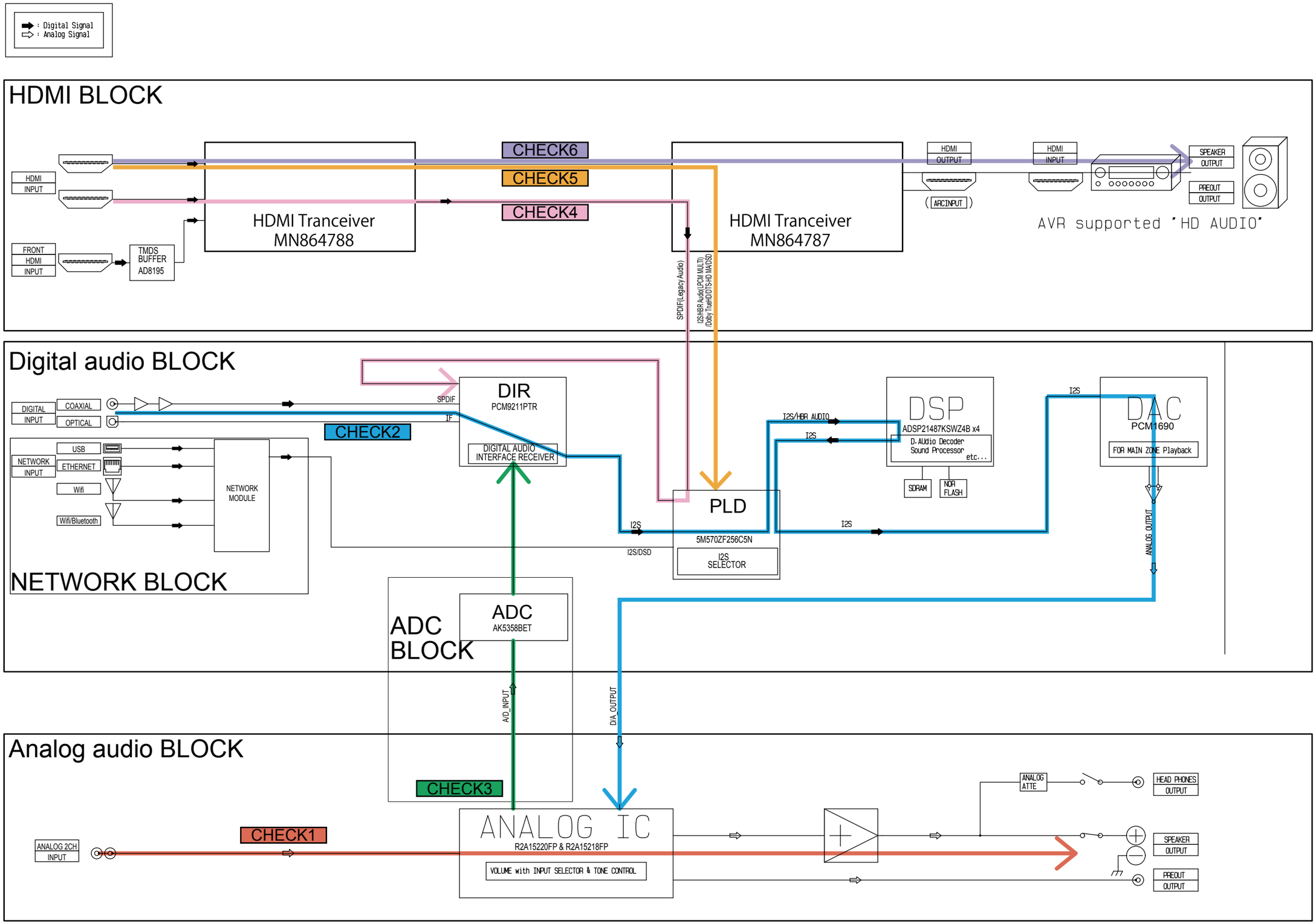


Set



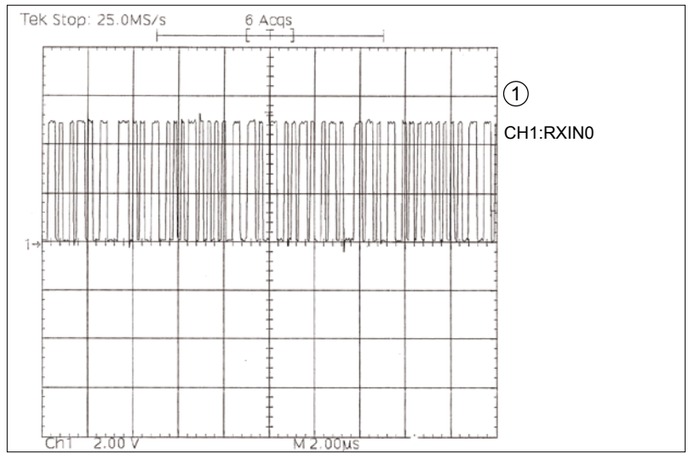
AUDIO CHECK PASS

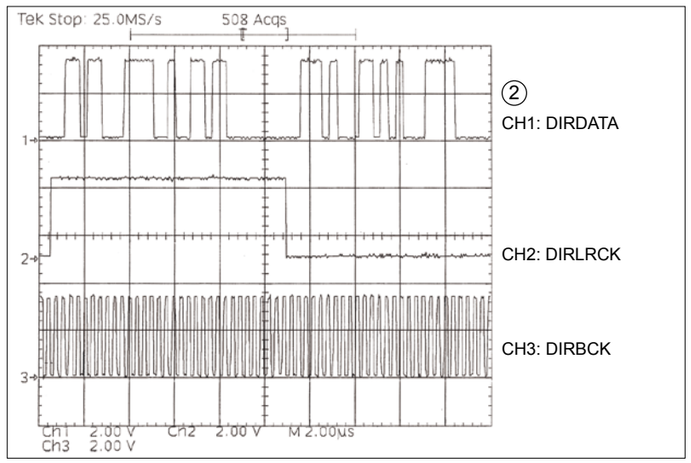
See troubleshooting "**4.1. AUDIO CHECK**"(page 104)

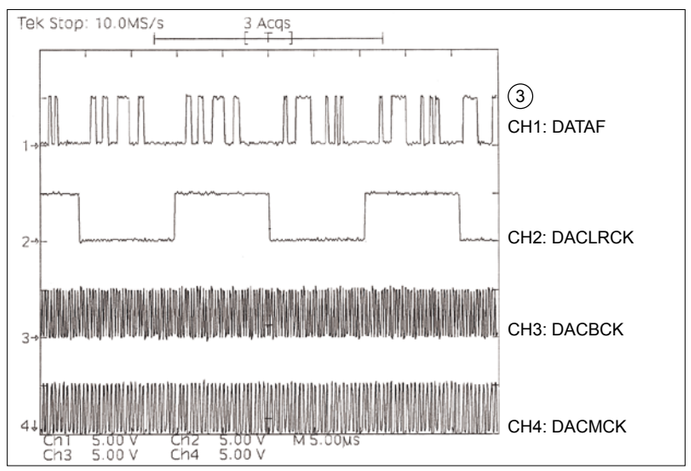


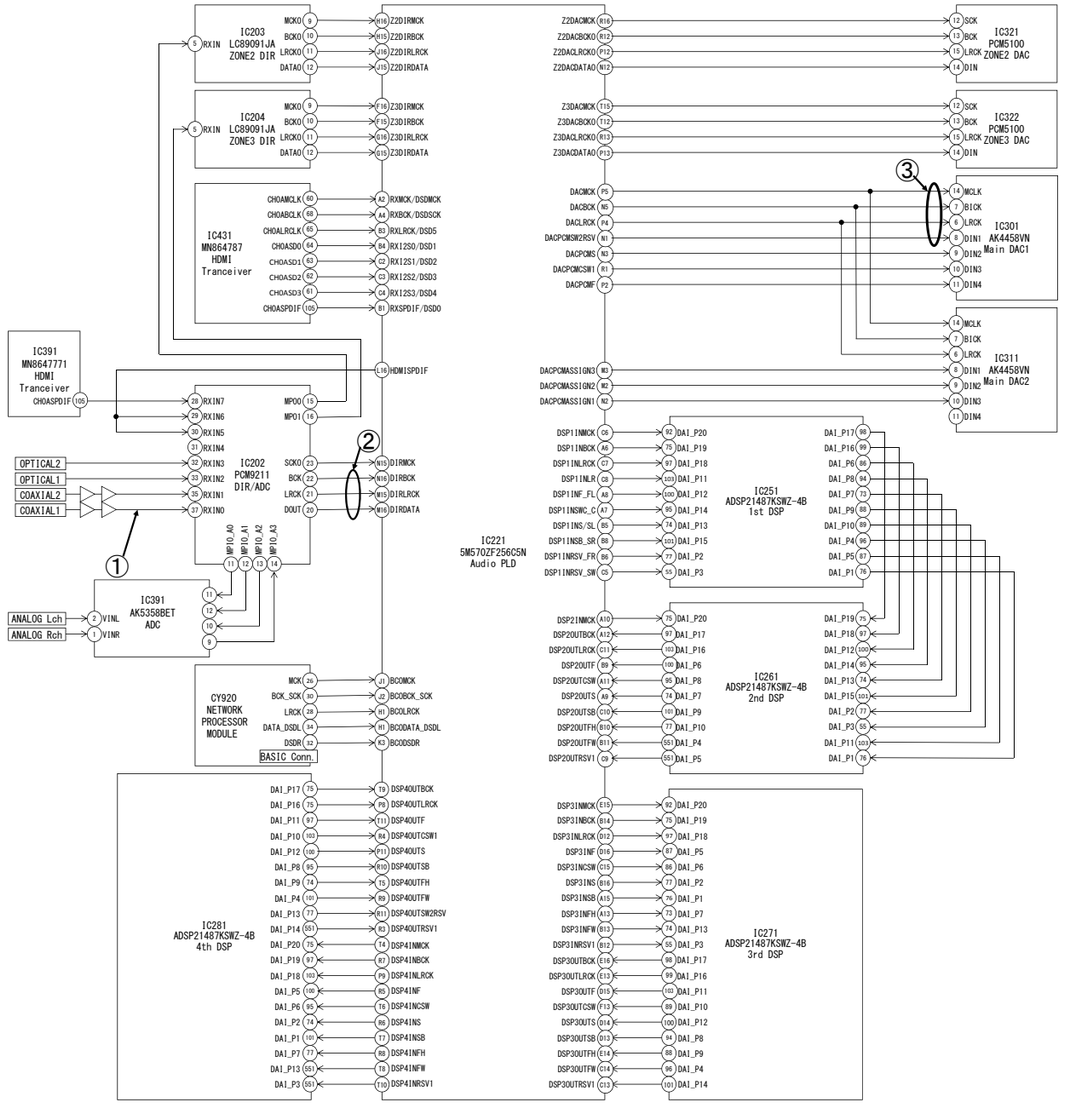
CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK

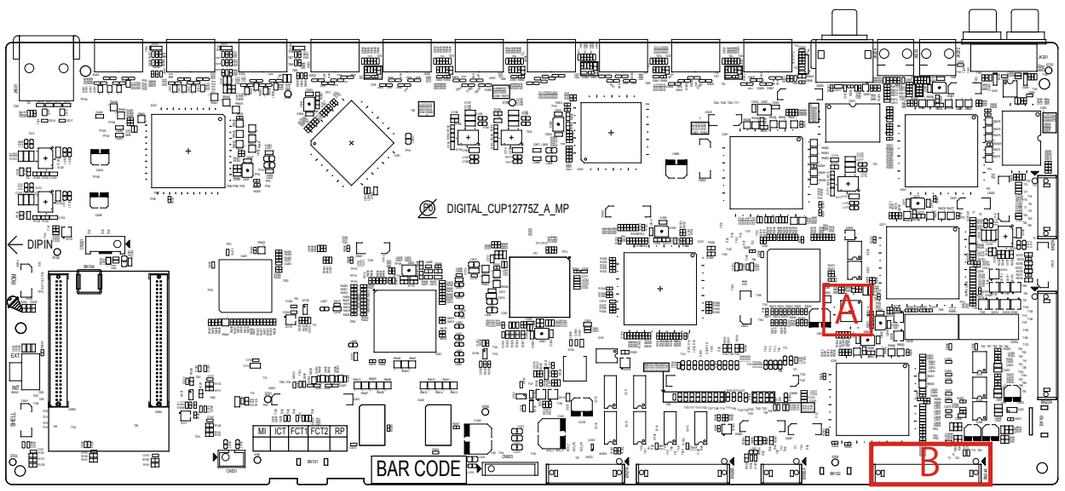
WAVE FORM



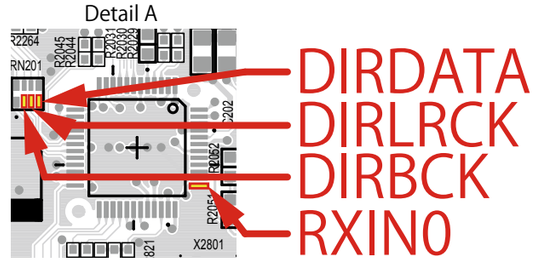




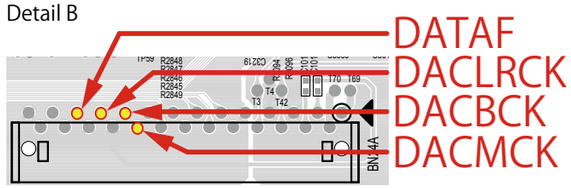




Detail A

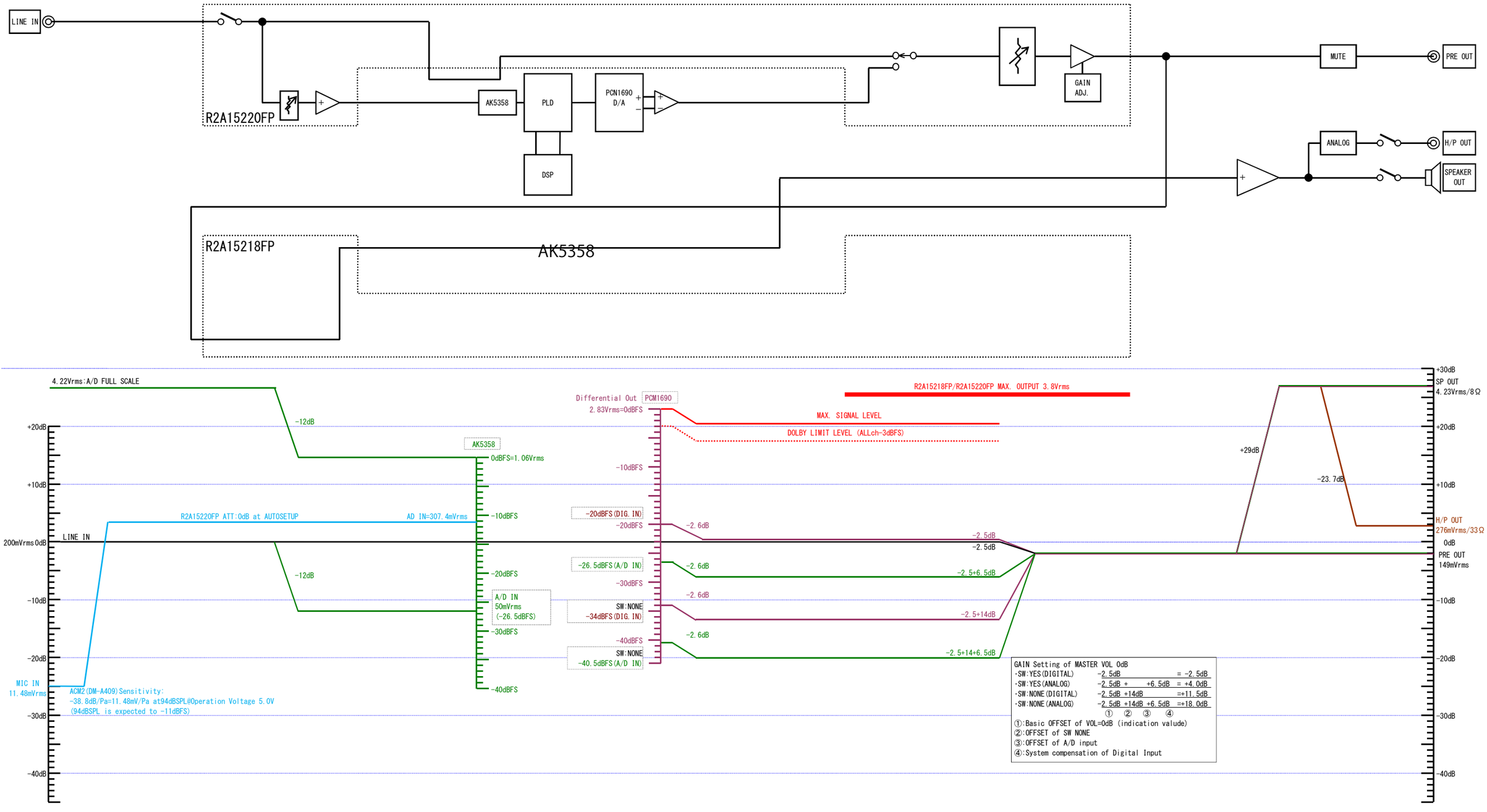


Detail B

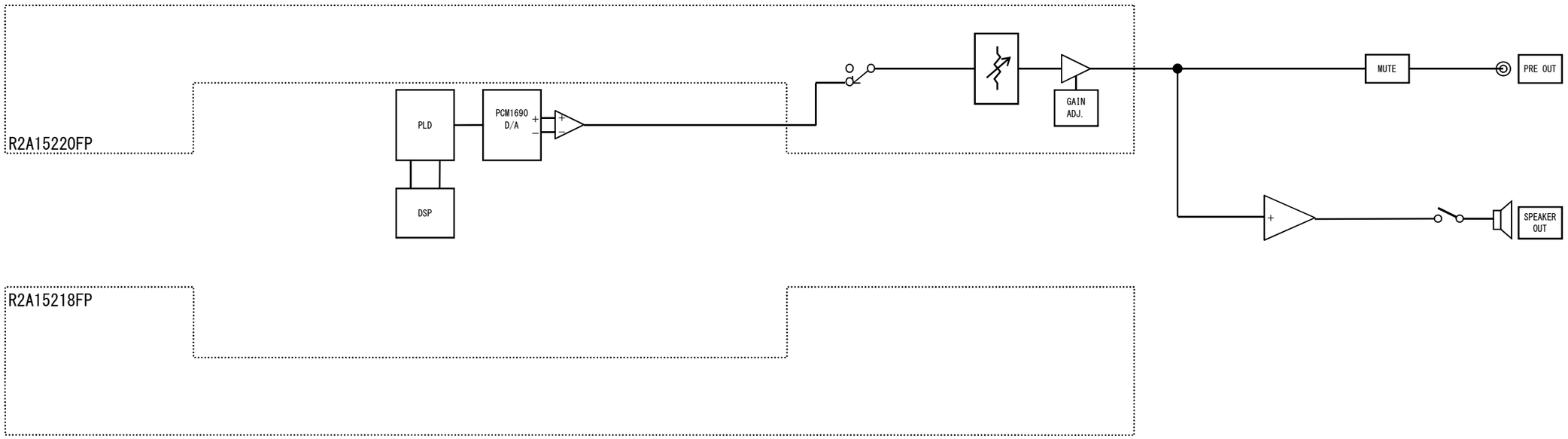


LEVEL DIAGRAM

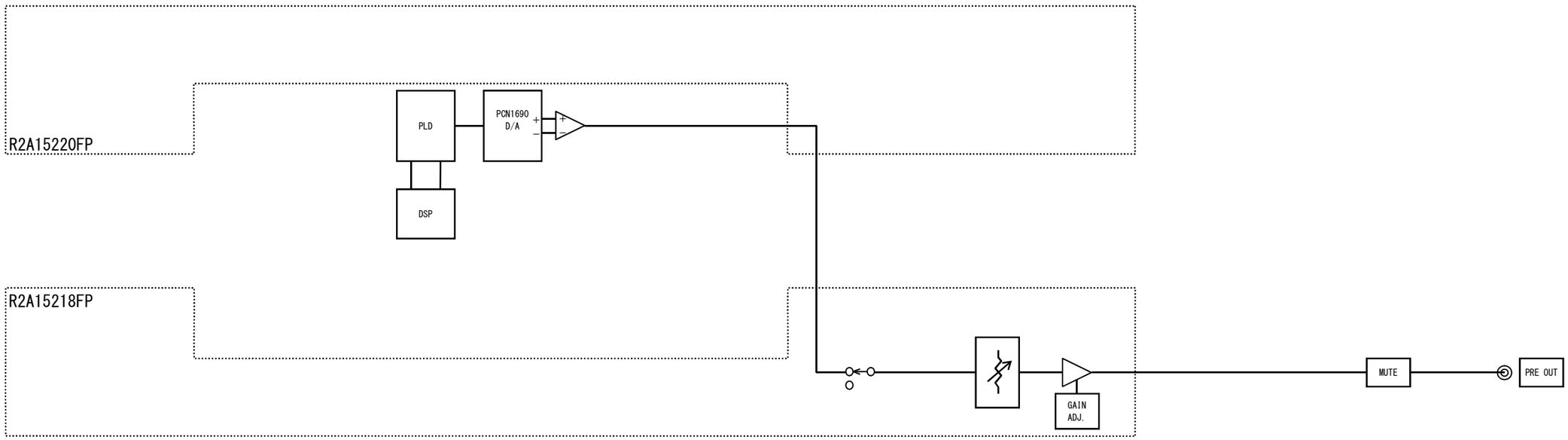
SR6010
LEVEL DIAGRAM
FRONT ch

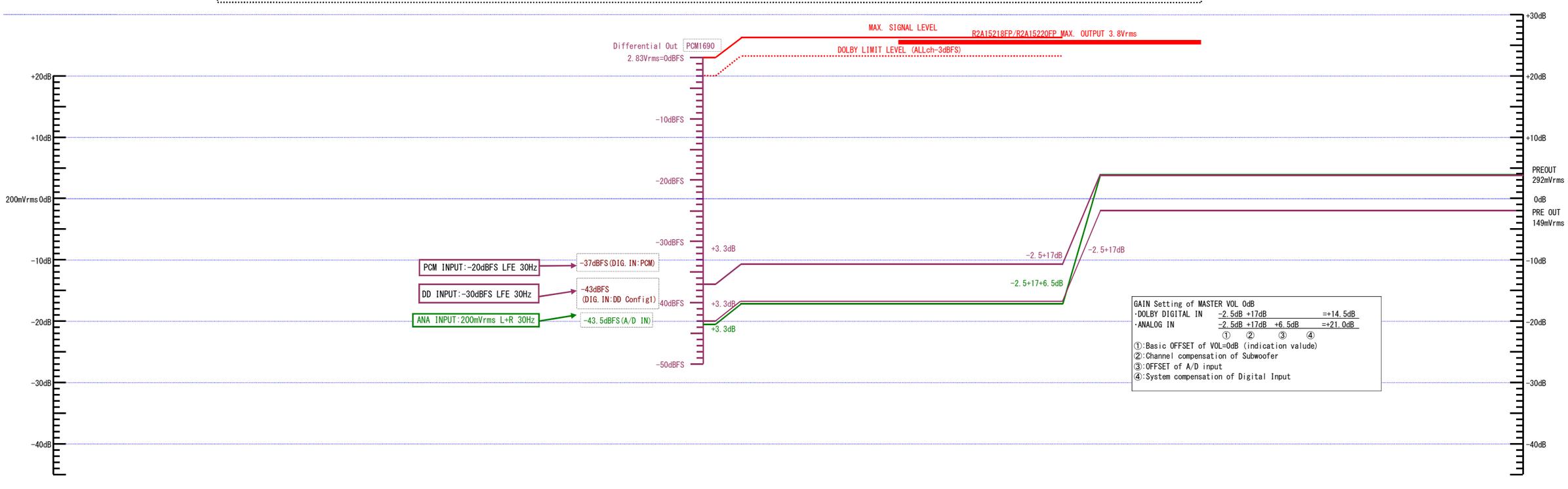


SR6010
LEVEL DIAGRAM
CENTER ch

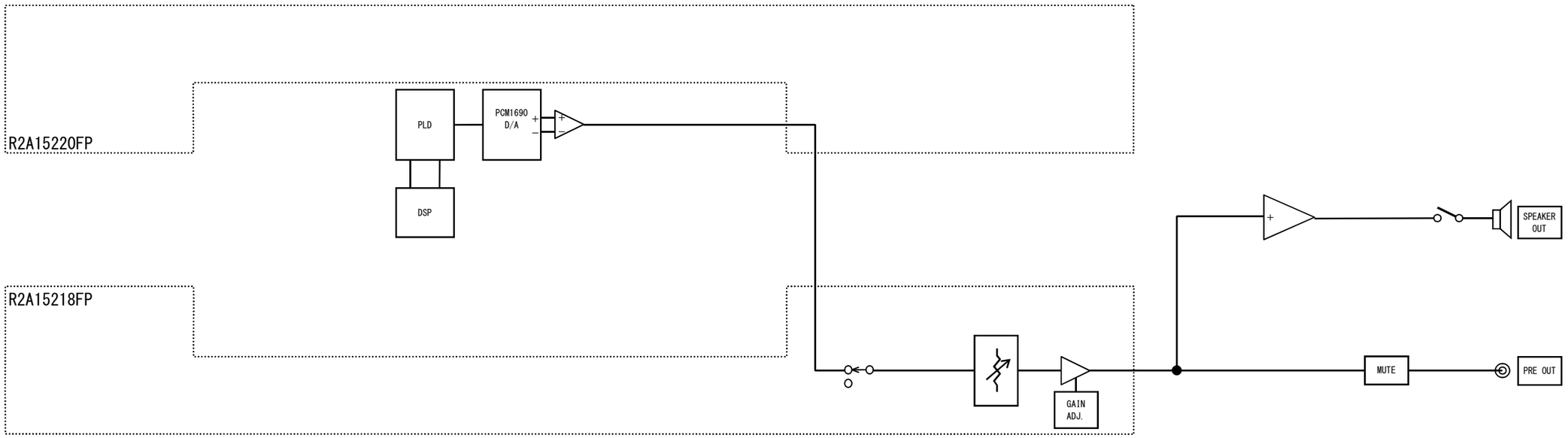


SR6010
LEVEL DIAGRAM
SUBWOOFER ch





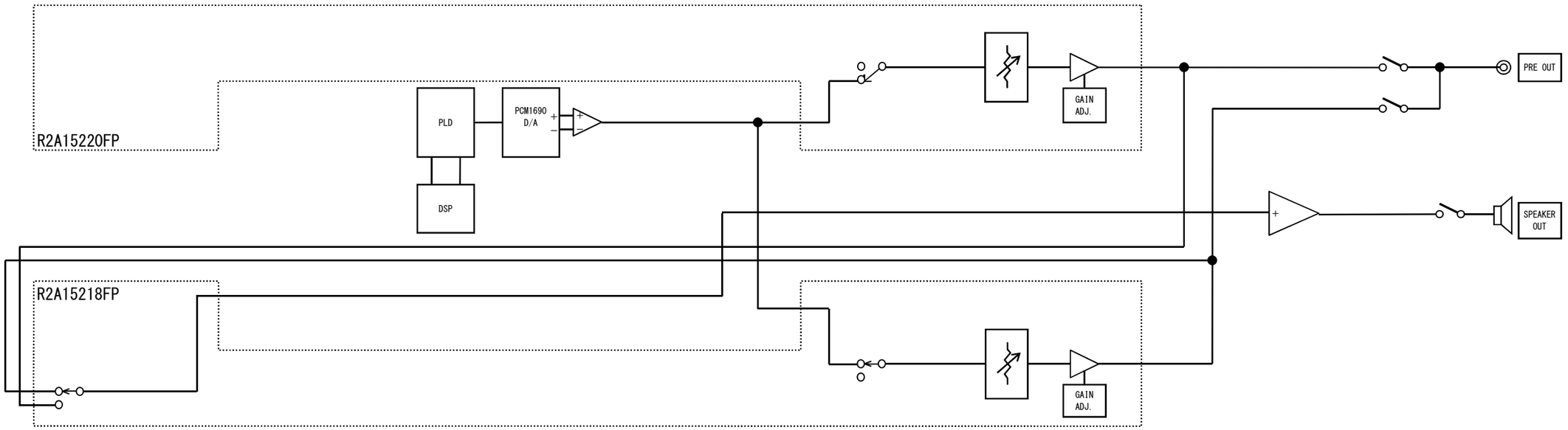
SR6010
LEVEL DIAGRAM
SURROUND ch

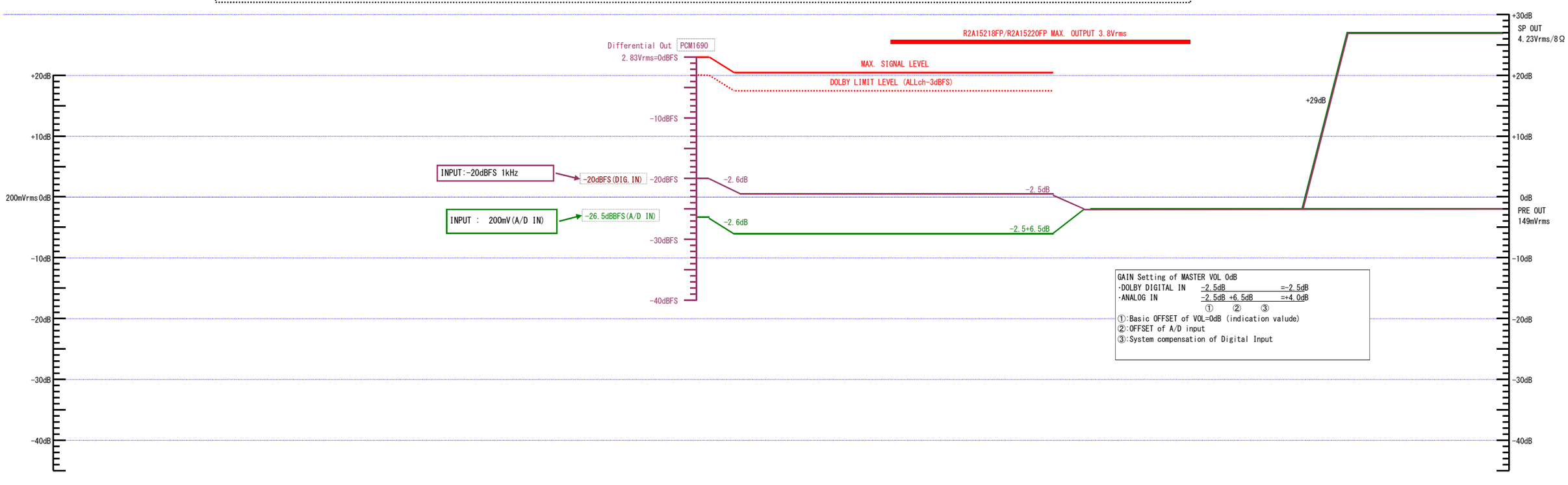


SR6010

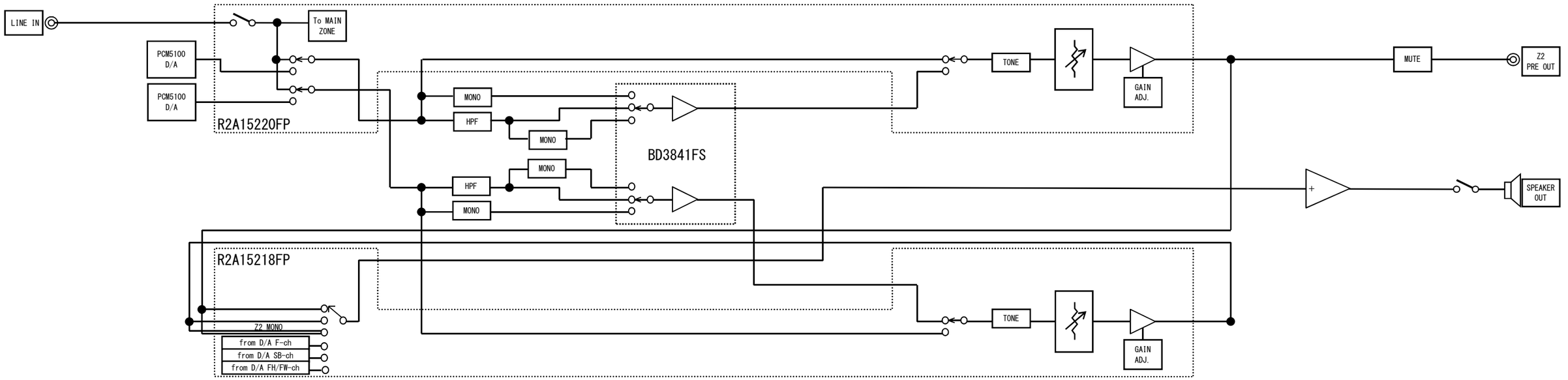
LEVEL DIAGRAM

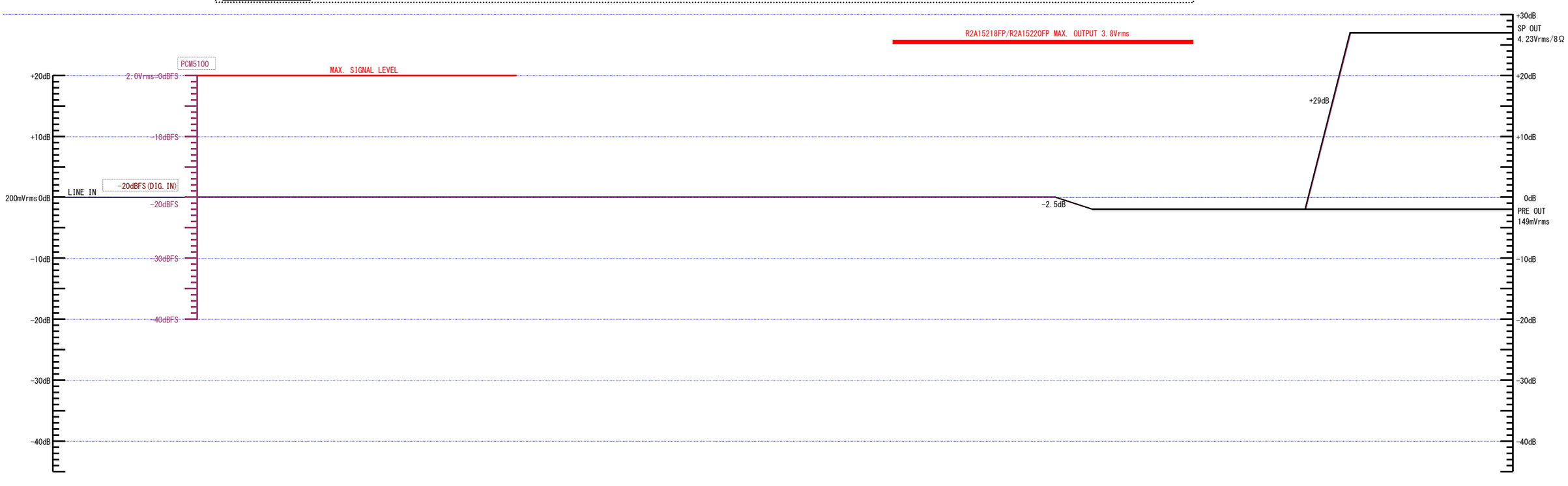
SURR.BACK / Front Wide / Height1 / Height2 ch



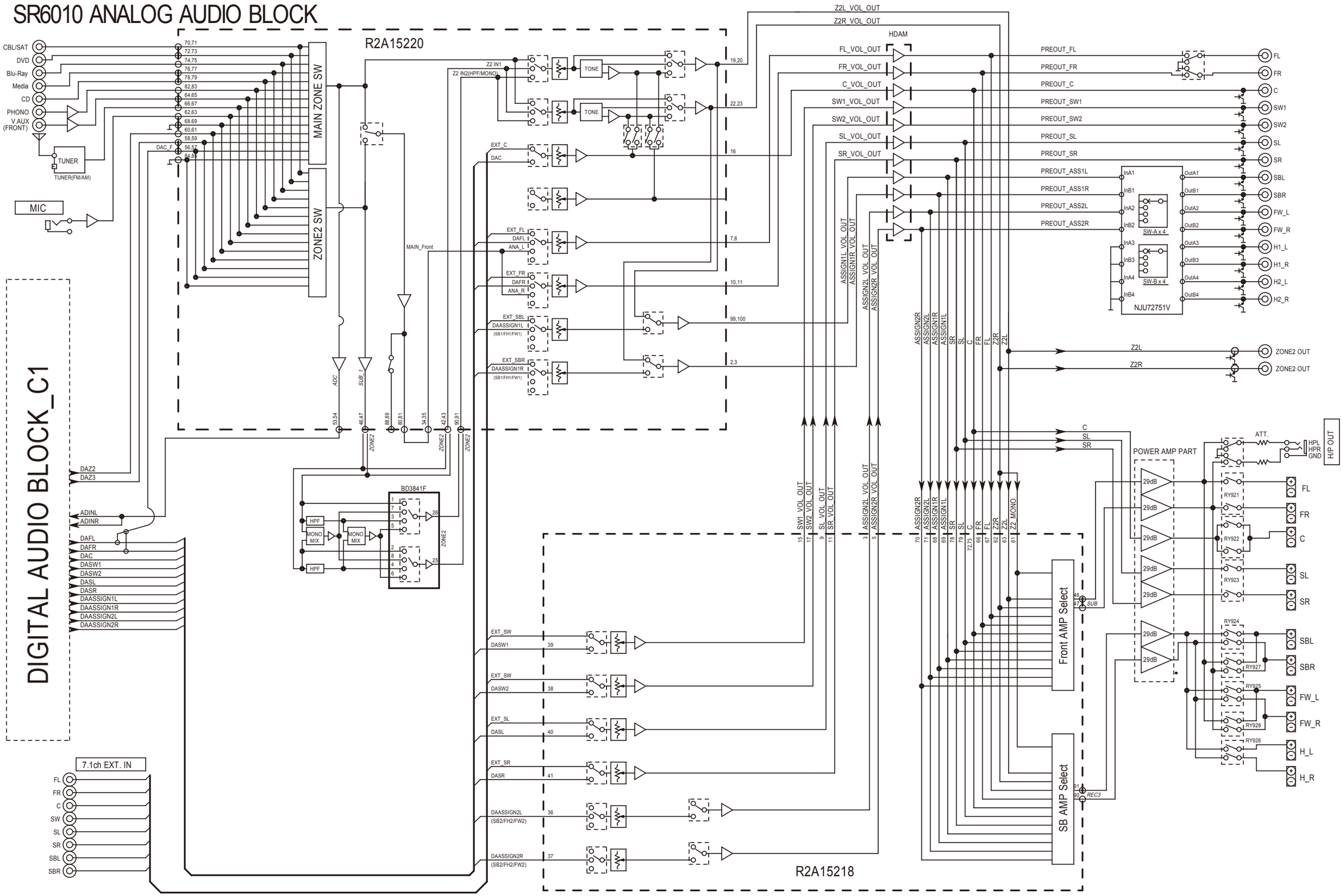


SR6010
LEVEL DIAGRAM
ZONE2

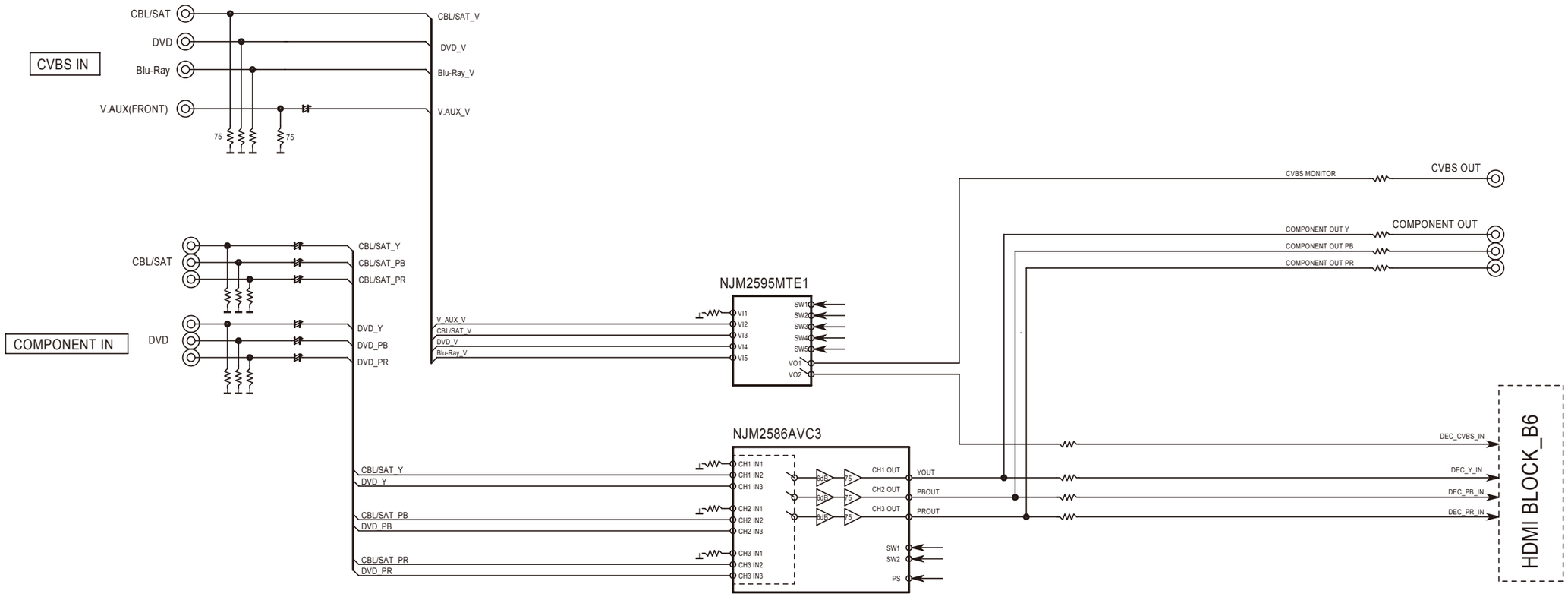




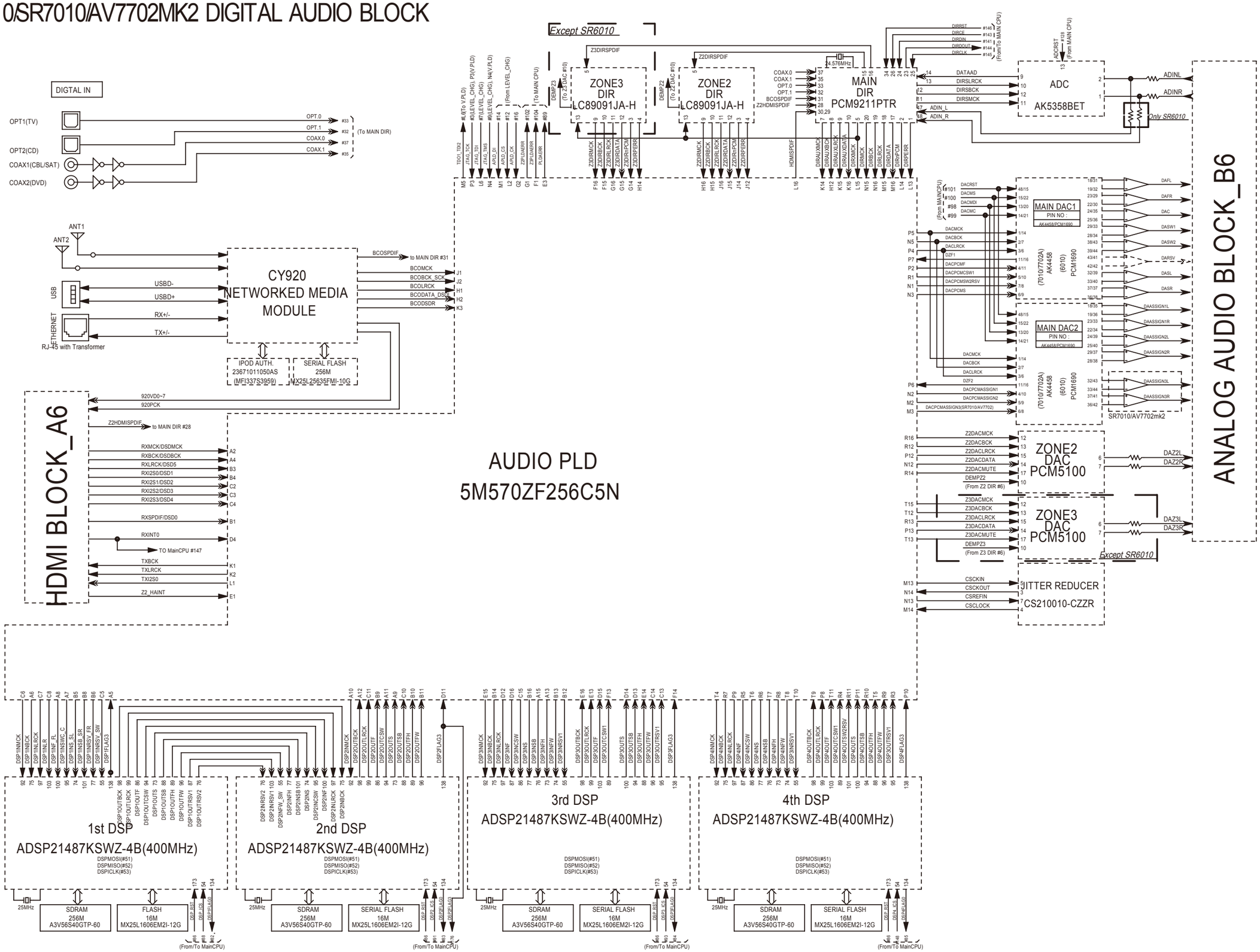
BLOCK DIAGRAM



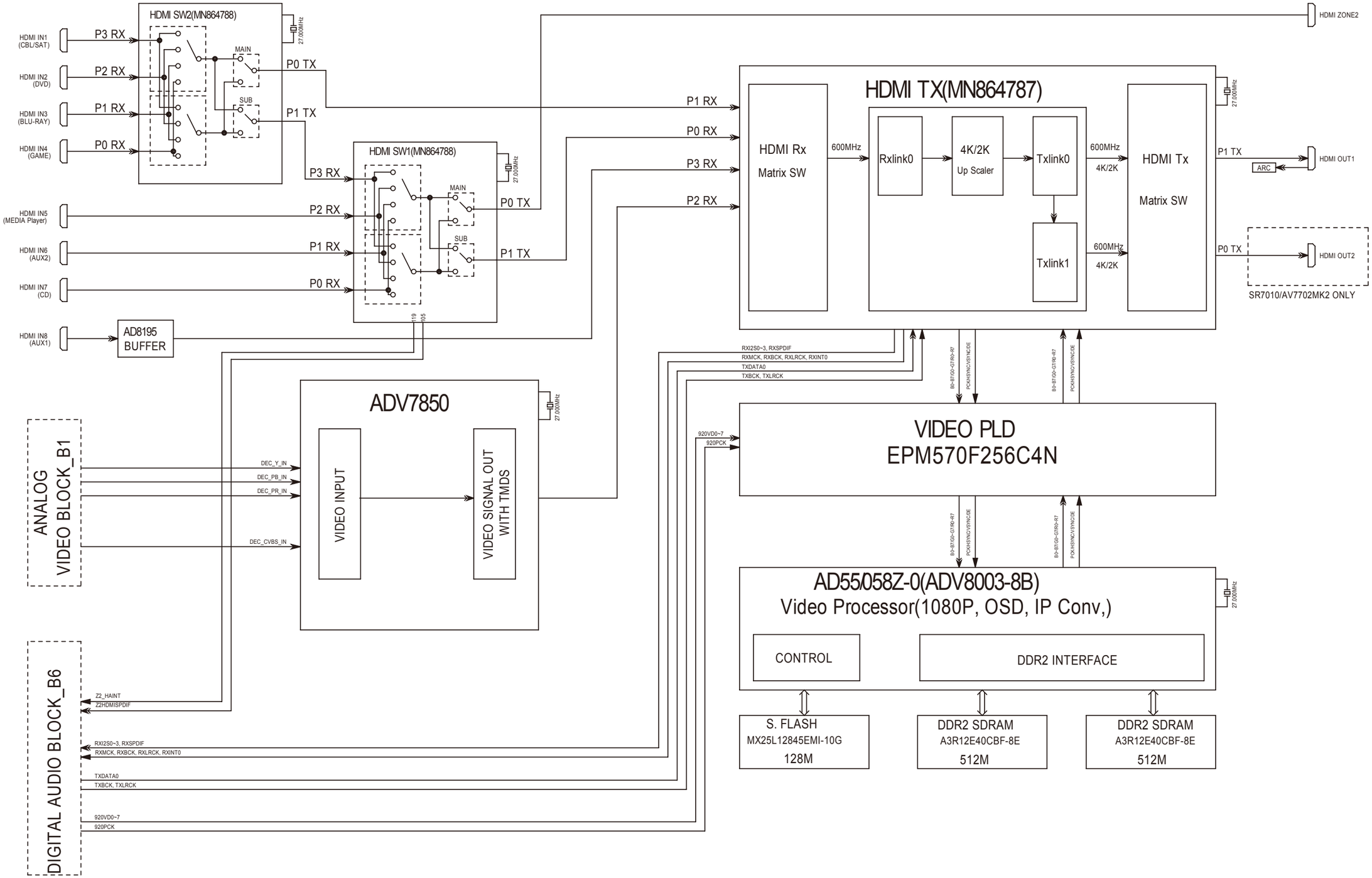
SR6010 ANALOG VIDEO BLOCK



SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

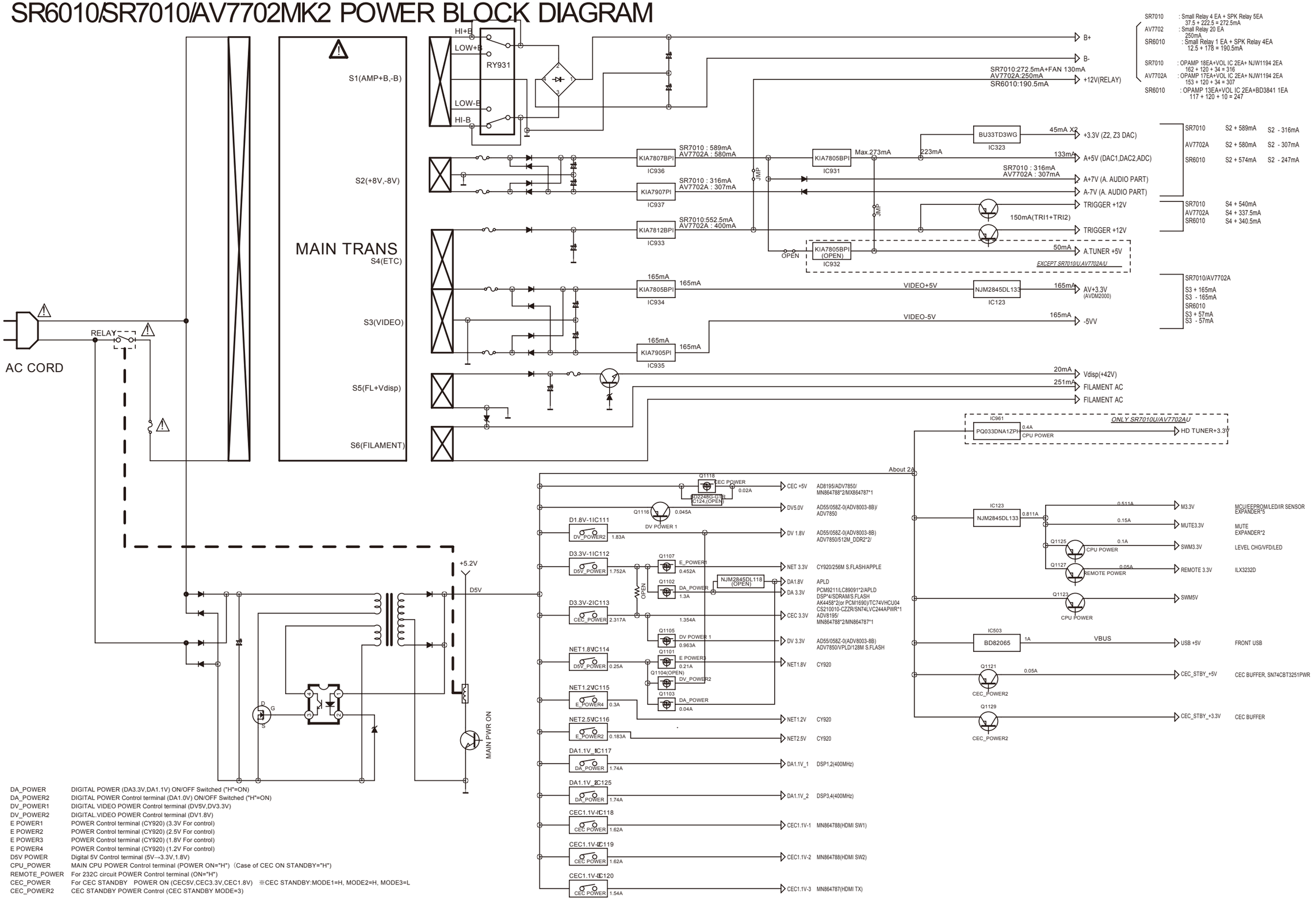


SR6010/SR7010/AV7702MK2 HDMI BLOCK



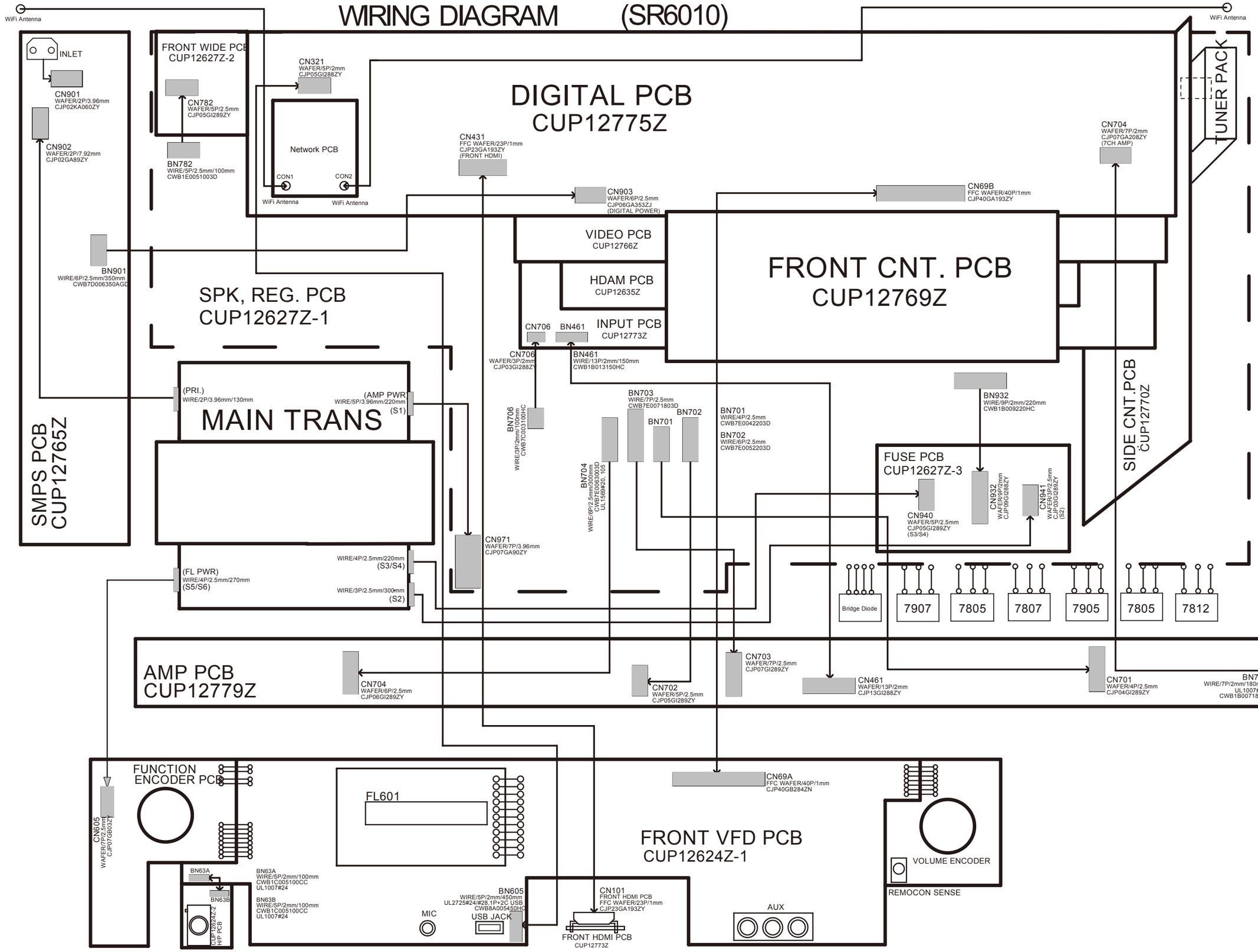
POWER DIAGRAM

SR6010/SR7010/AV7702MK2 POWER BLOCK DIAGRAM



DA_POWER	DIGITAL POWER (DA3.3V,DA1.1V) ON/OFF Switched ("H"=ON)
DA_POWER2	DIGITAL POWER Control terminal (DA1.0V) ON/OFF Switched ("H"=ON)
DV_POWER1	DIGITAL VIDEO POWER Control terminal (DV5V,DV3.3V)
DV_POWER2	DIGITAL.VIDEO POWER Control terminal (DV1.8V)
E POWER1	POWER Control terminal (CY920) (3.3V For control)
E POWER2	POWER Control terminal (CY920) (2.5V For control)
E POWER3	POWER Control terminal (CY920) (1.8V For control)
E POWER4	POWER Control terminal (CY920) (1.2V For control)
D5V POWER	Digital 5V Control terminal (5V→3.3V,1.8V)
CPU_POWER	MAIN CPU POWER Control terminal (POWER ON="H")（Case of CEC ON STANDBY="H")
REMOTE_POWER	For 232C circuit POWER Control terminal (ON="H")
CEC_POWER	For CEC STANDBY　POWER ON (CEC5V,CEC3.3V,CEC1.8V)　※CEC STANDBY:MODE1=H, MODE2=H, MODE3=L
CEC_POWER2	CEC STANDBY POWER Control (CEC STANDBY MODE=3)

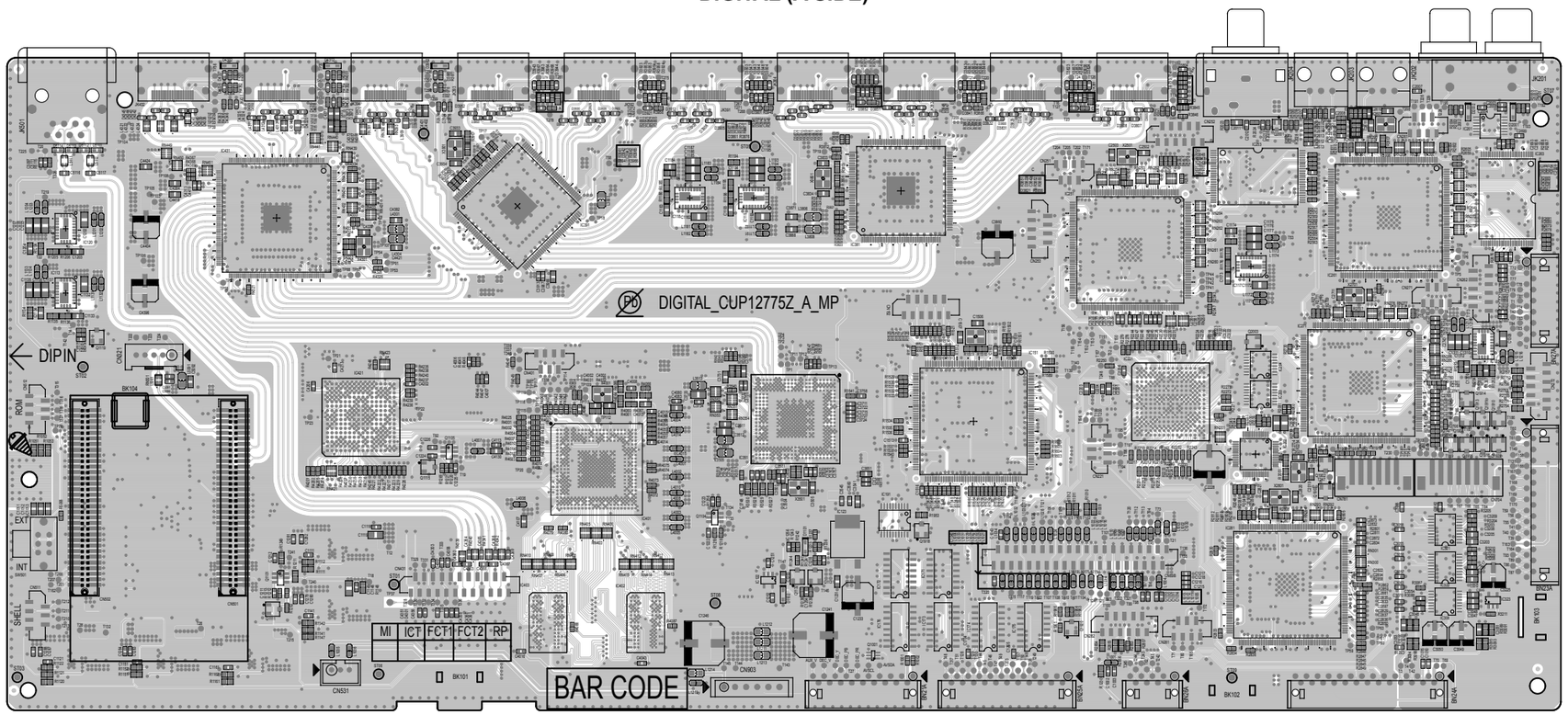
WIRING DIAGRAM



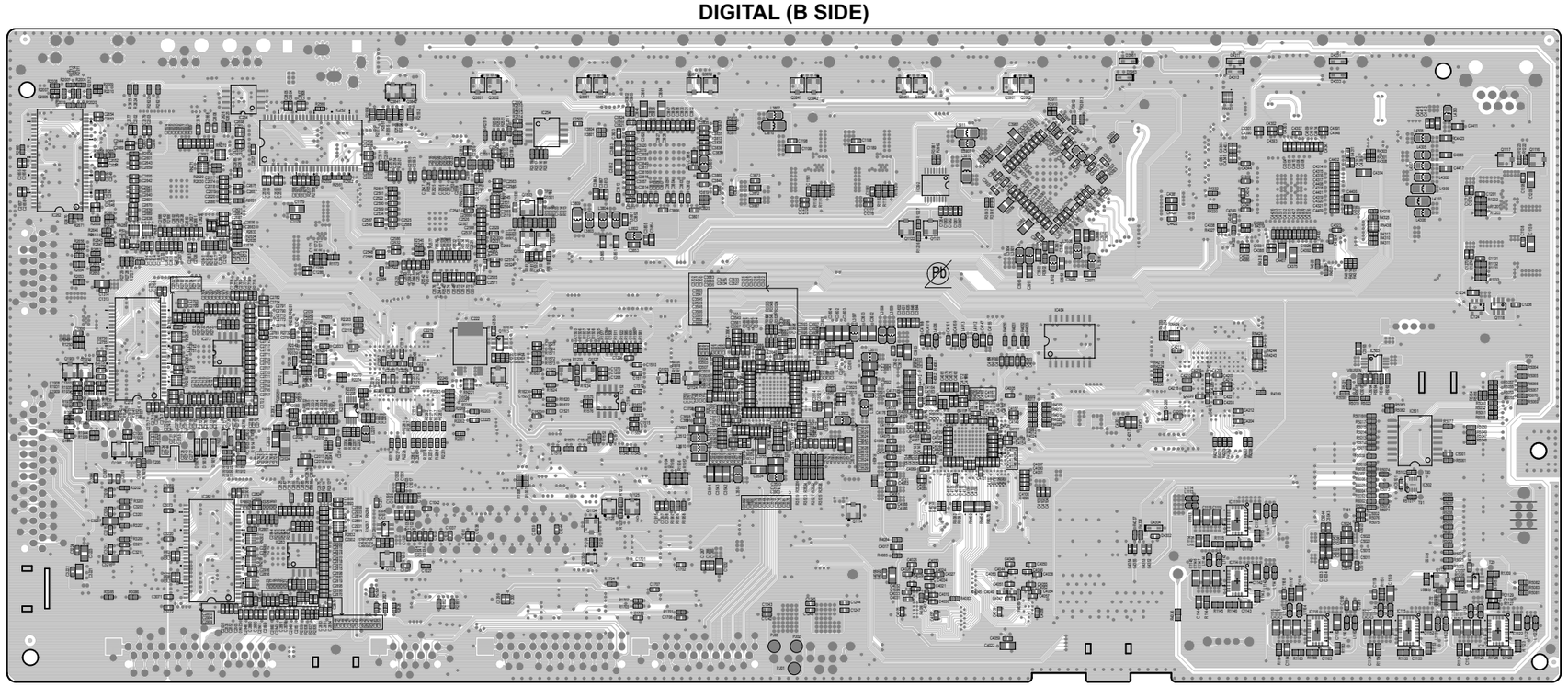
PRINTED CIRCUIT BOARDS

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

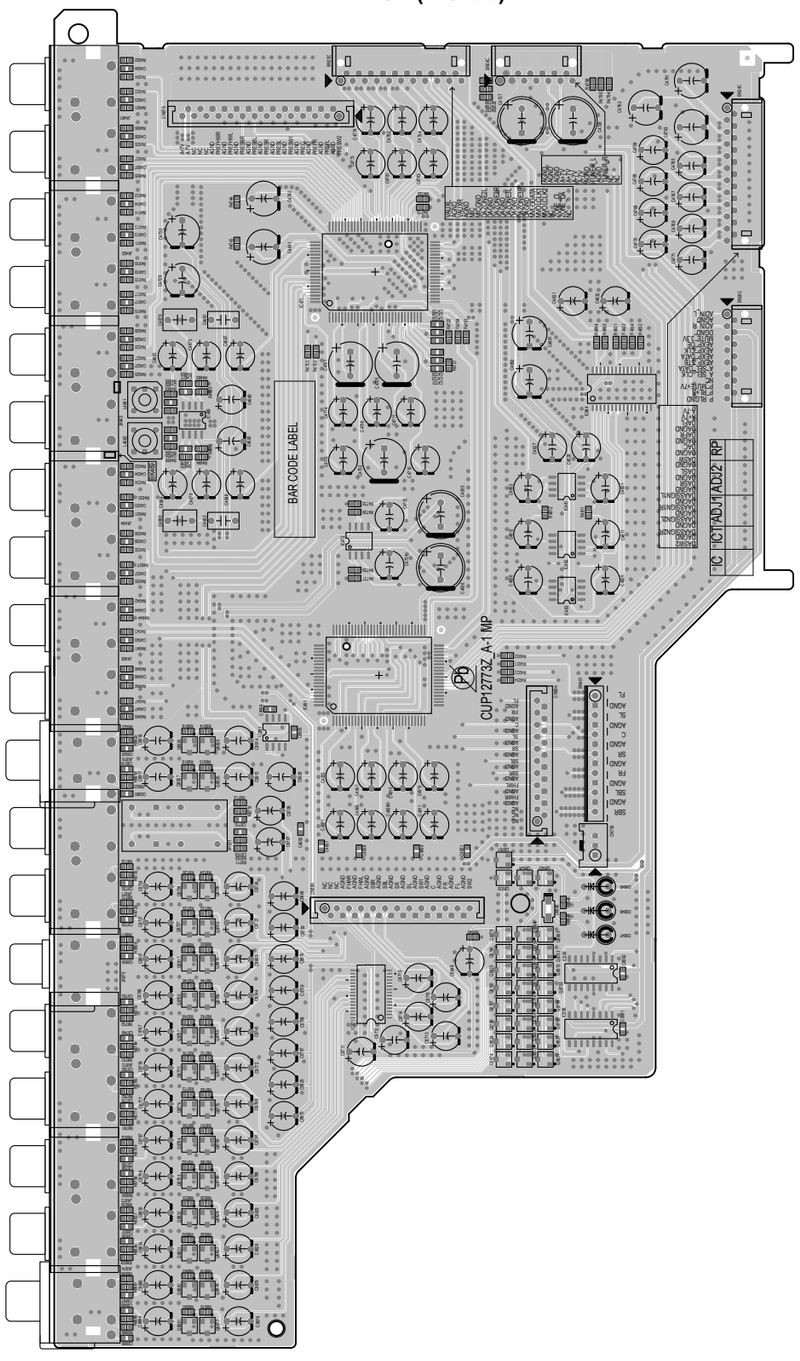
DIGITAL (A SIDE)



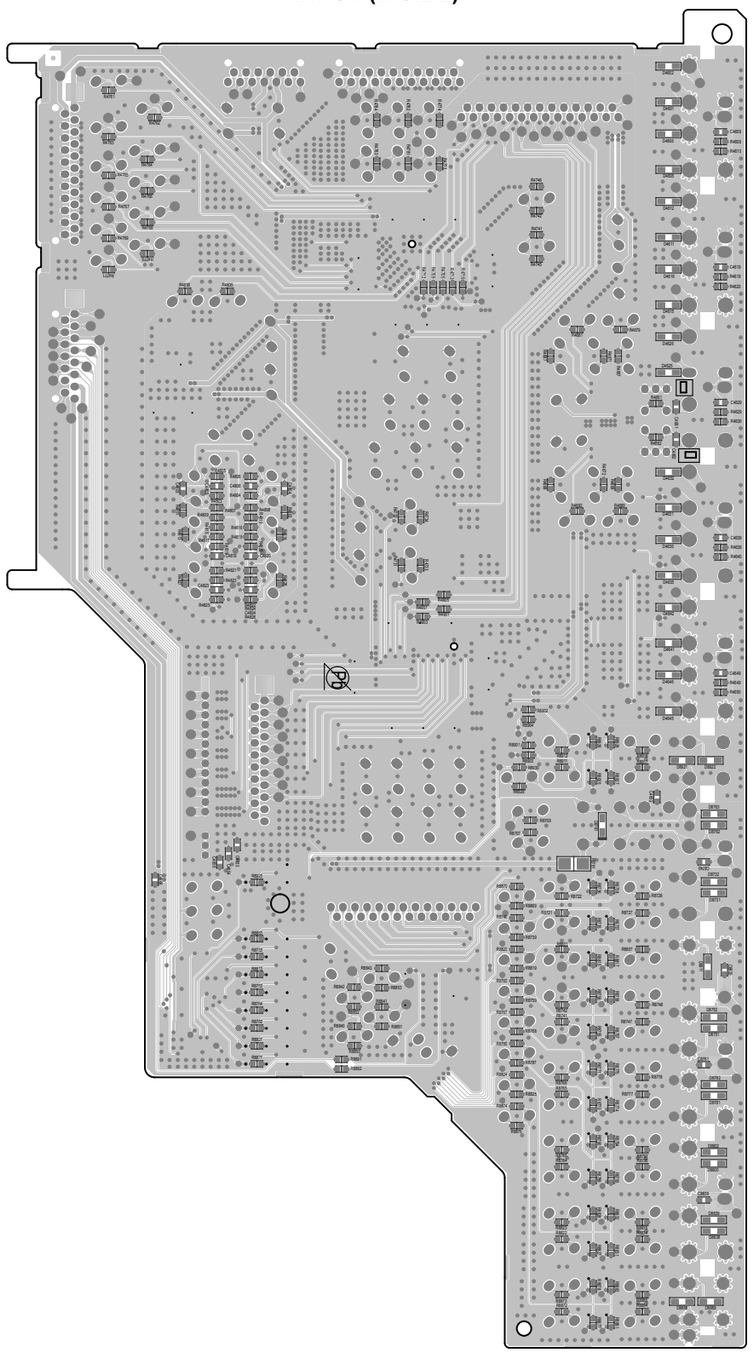
DIGITAL (B SIDE)



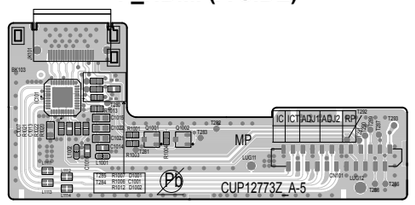
INPUT (A SIDE)



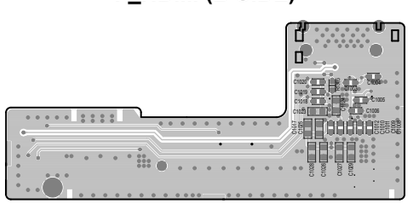
INPUT (B SIDE)



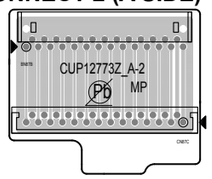
F_HDMI (A SIDE)



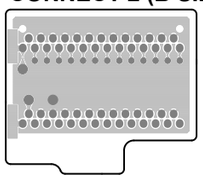
F_HDMI (B SIDE)



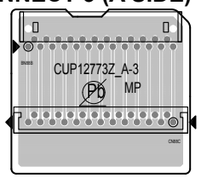
CONNECT-2 (A SIDE)



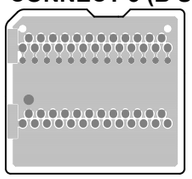
CONNECT-2 (B SIDE)



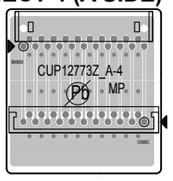
CONNECT-3 (A SIDE)



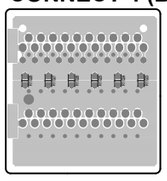
CONNECT-3 (B SIDE)



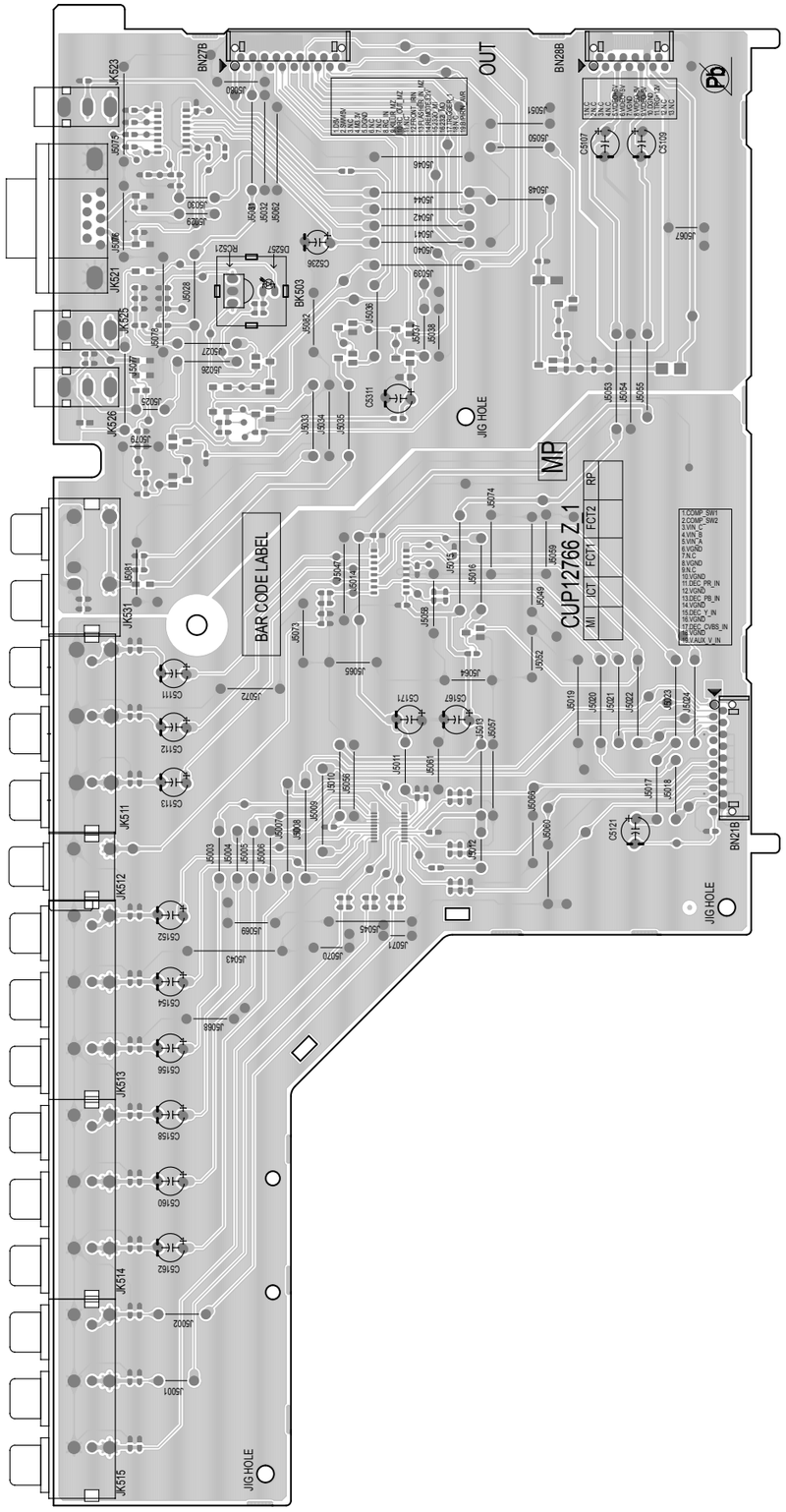
CONNECT-4 (A SIDE)



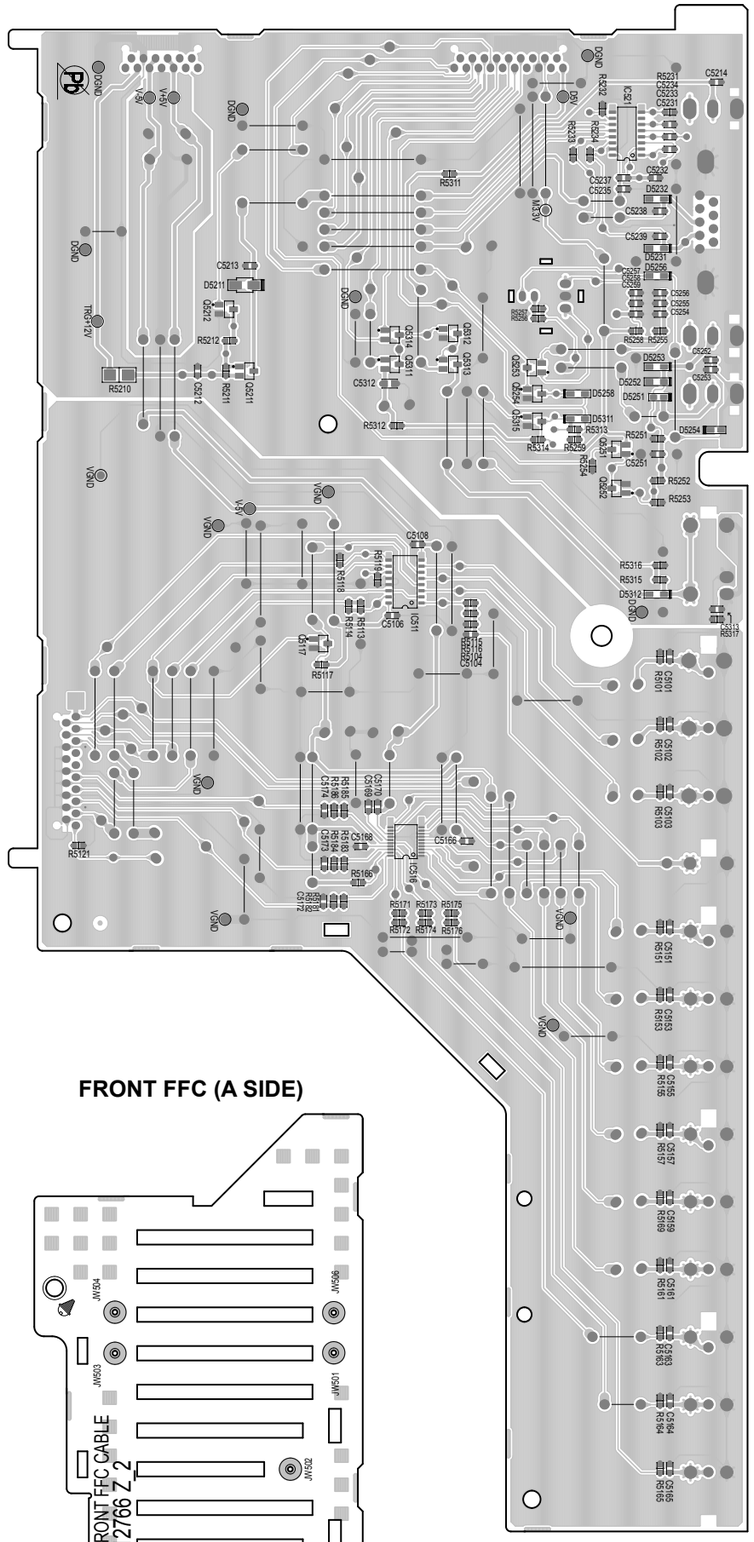
CONNECT-4 (B SIDE)



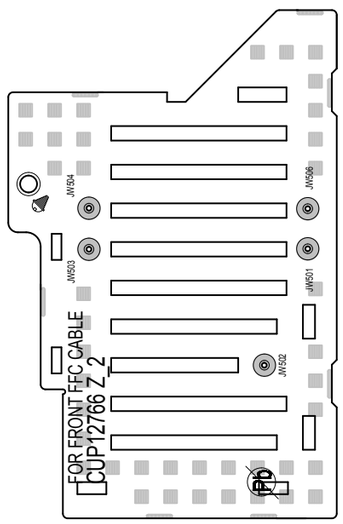
VIDEO (A SIDE)



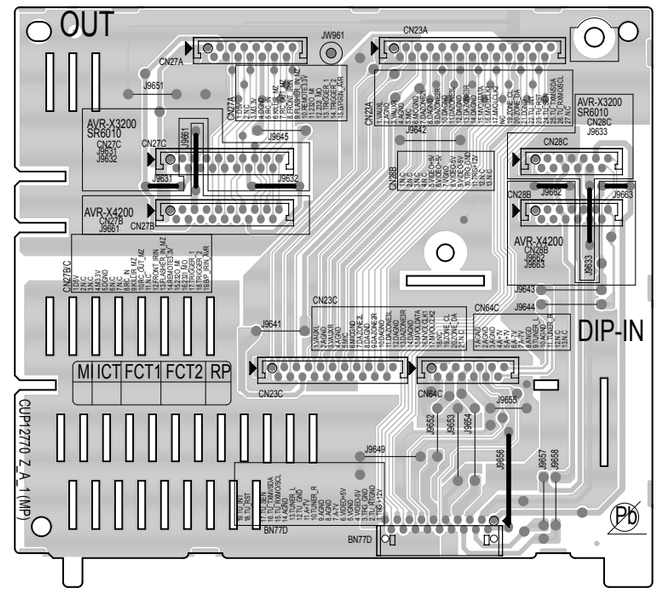
VIDEO (B SIDE)



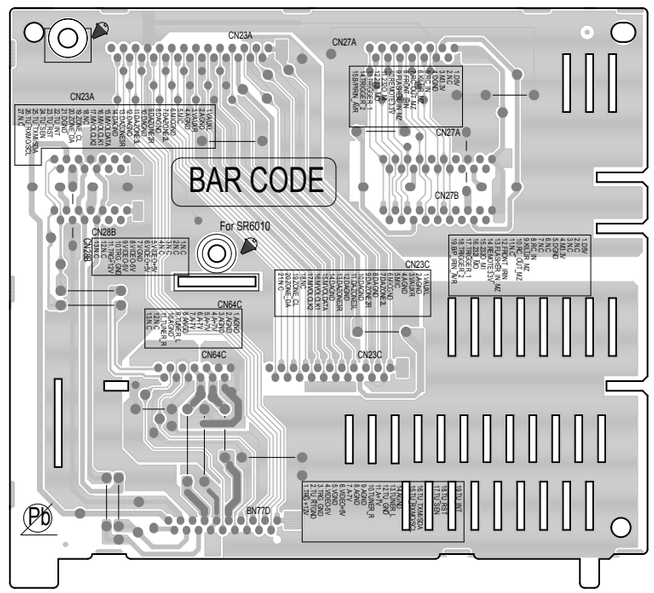
FRONT FFC (A SIDE)



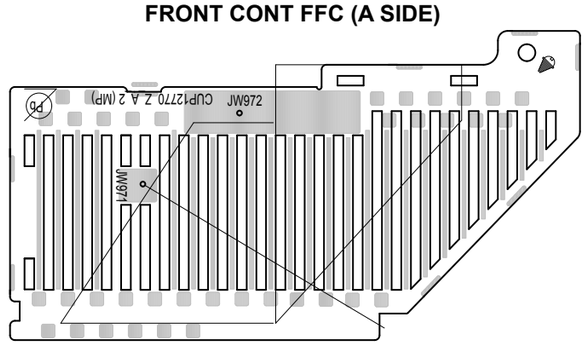
SIDE CONT (A SIDE)



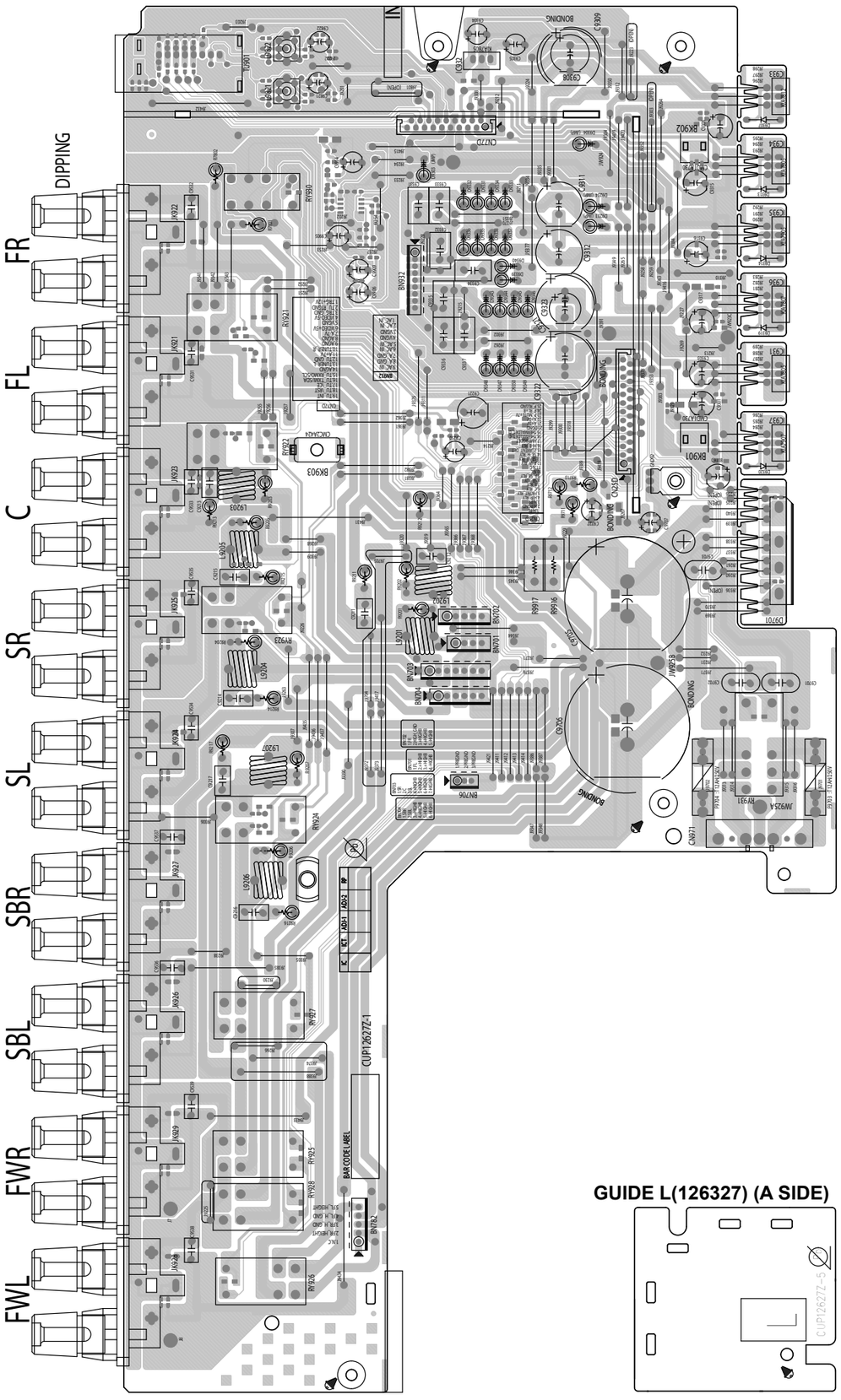
SIDE CONT (B SIDE)



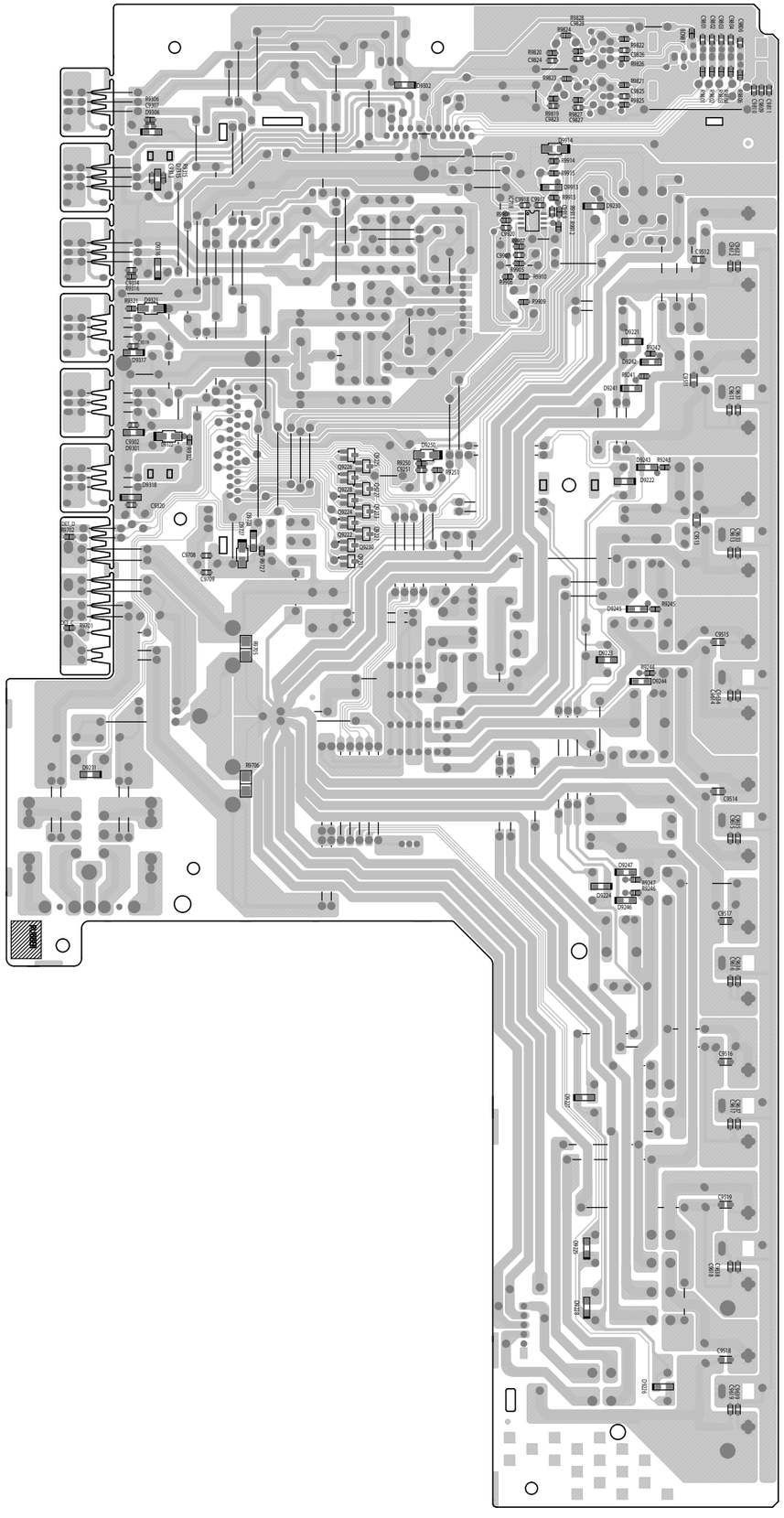
FRONT CONT FFC (A SIDE)



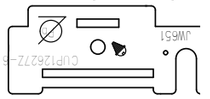
SPK (A SIDE)



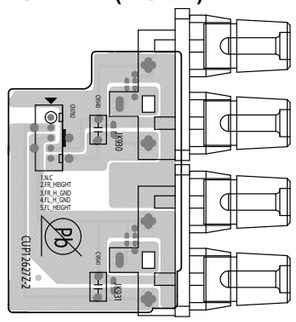
SPK (B SIDE)



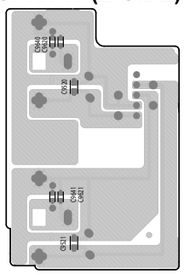
GUIDE (A SIDE)



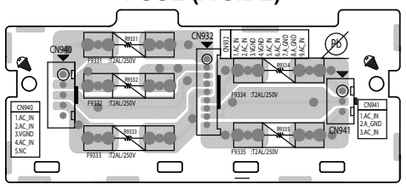
SPK FW (A SIDE)



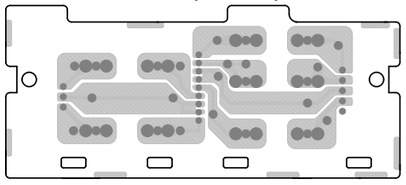
SPK FW (B SIDE)



FUSE (A SIDE)

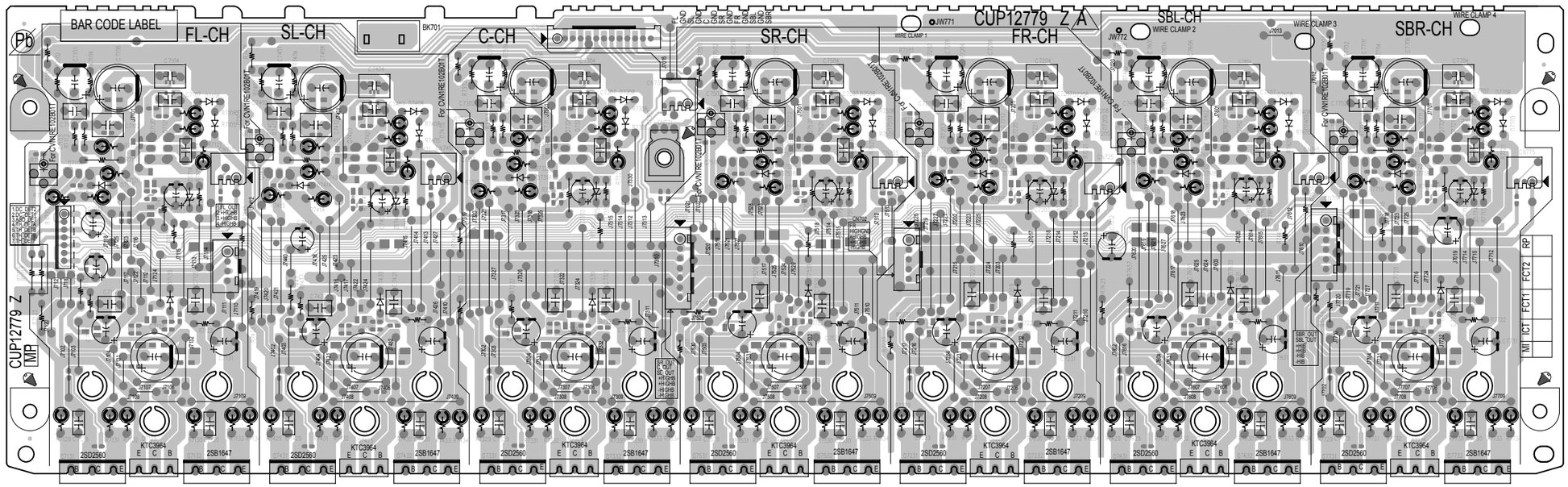


FUSE (B SIDE)

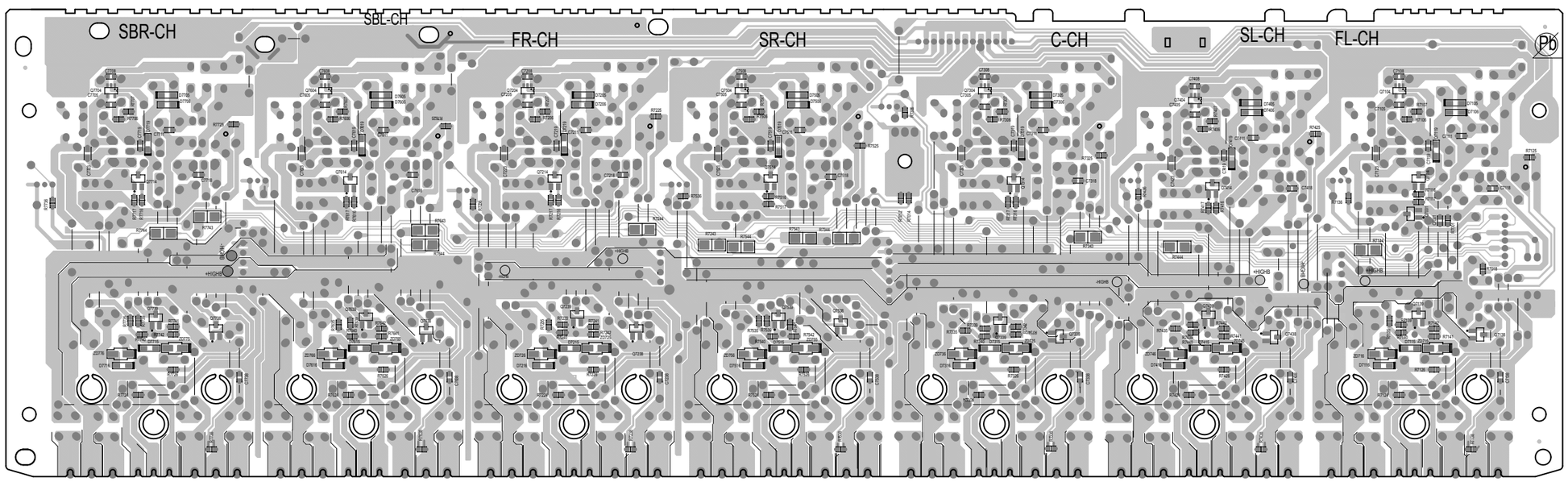


GUIDE L(126327) (A SIDE)

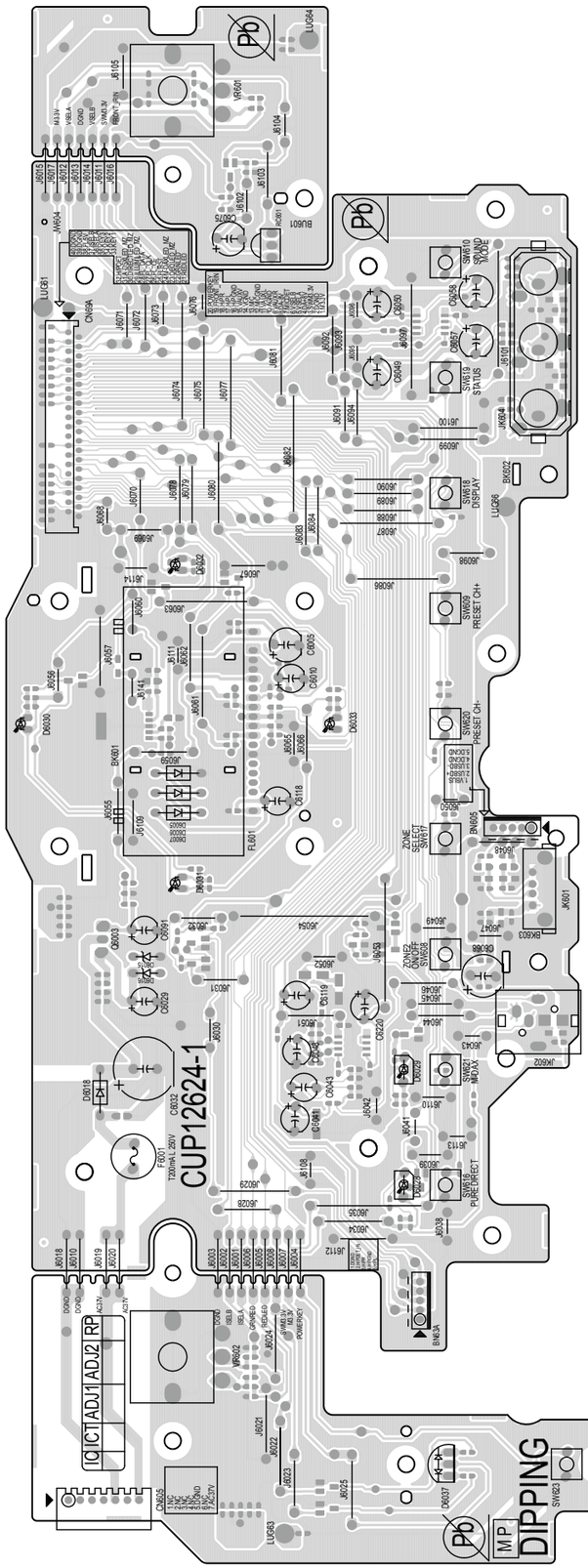
7CH AMP (A SIDE)



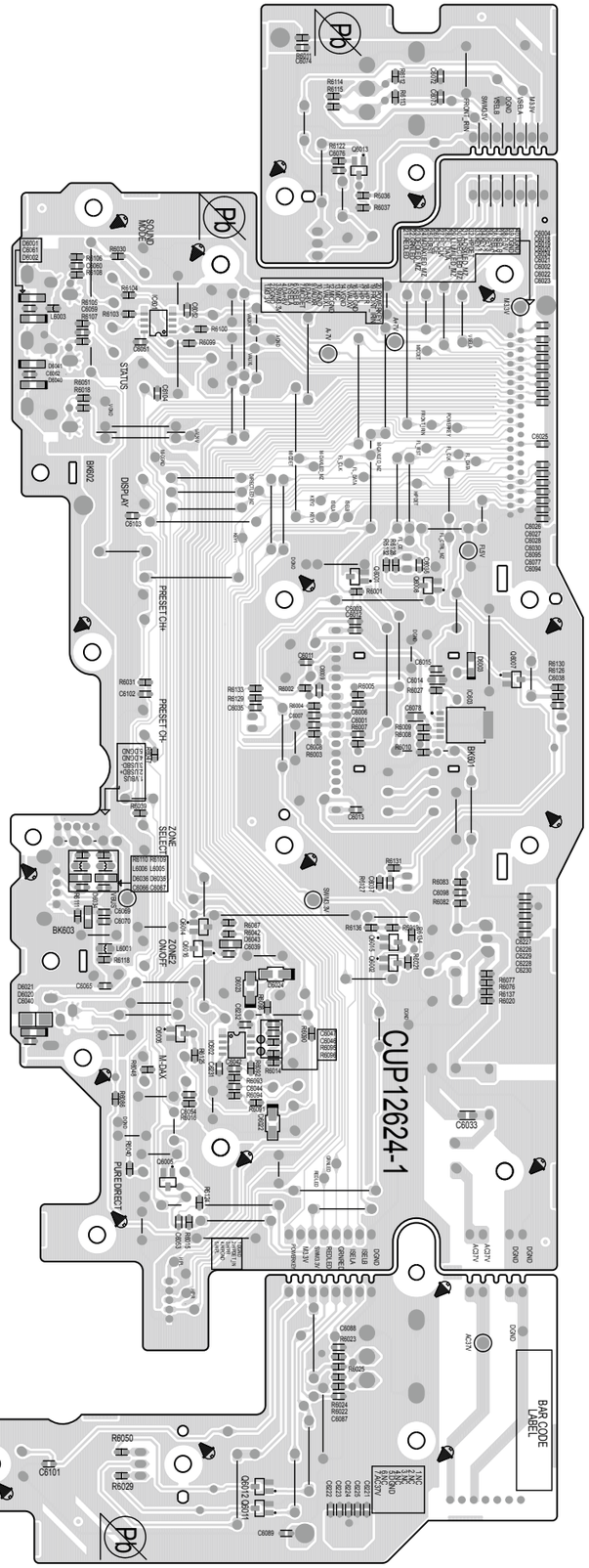
7CH AMP (B SIDE)



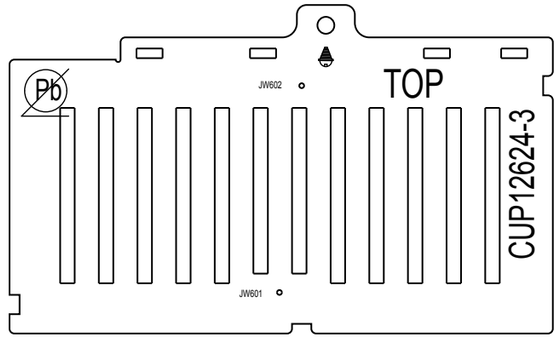
FRONT (A SIDE)



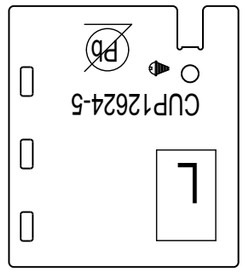
FRONT (B SIDE)



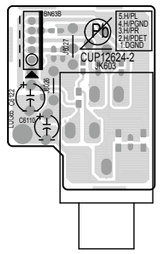
GUIDE TOP (A SIDE)



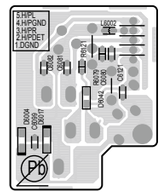
GUIDE L (A SIDE)



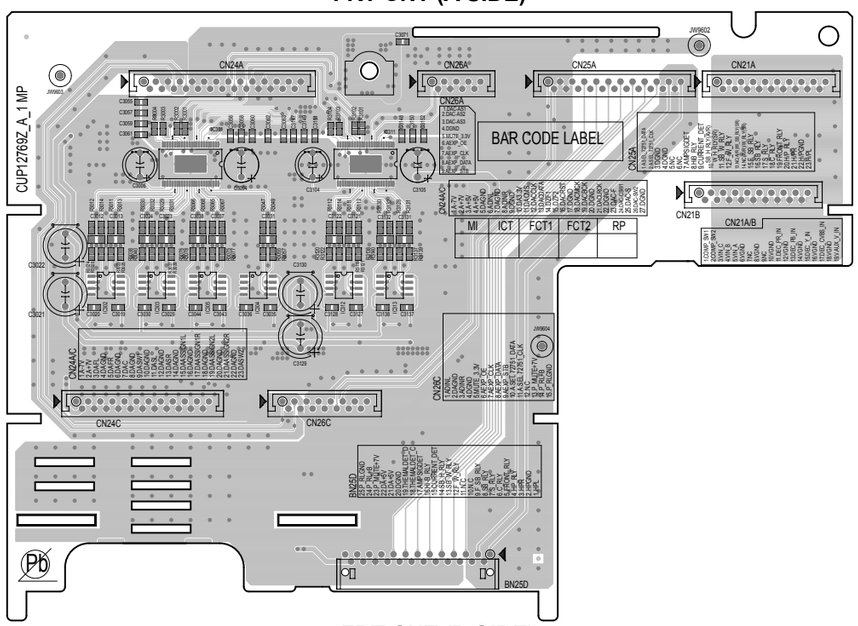
HP (A SIDE)



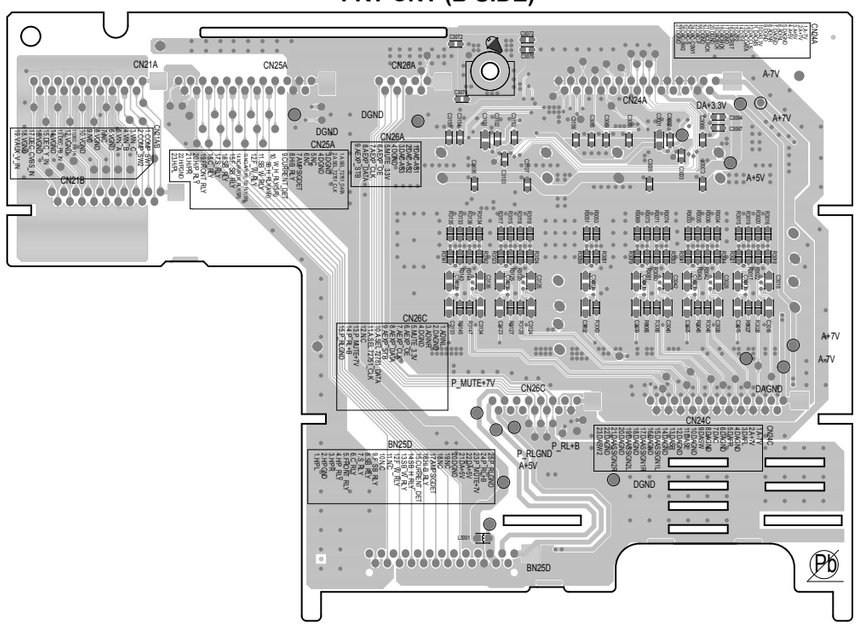
HP (B SIDE)



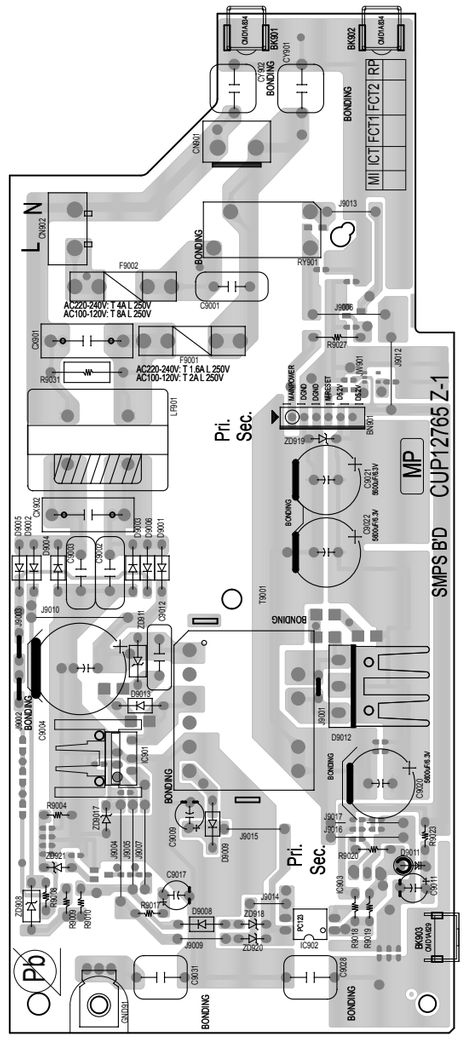
FRT CNT (A SIDE)



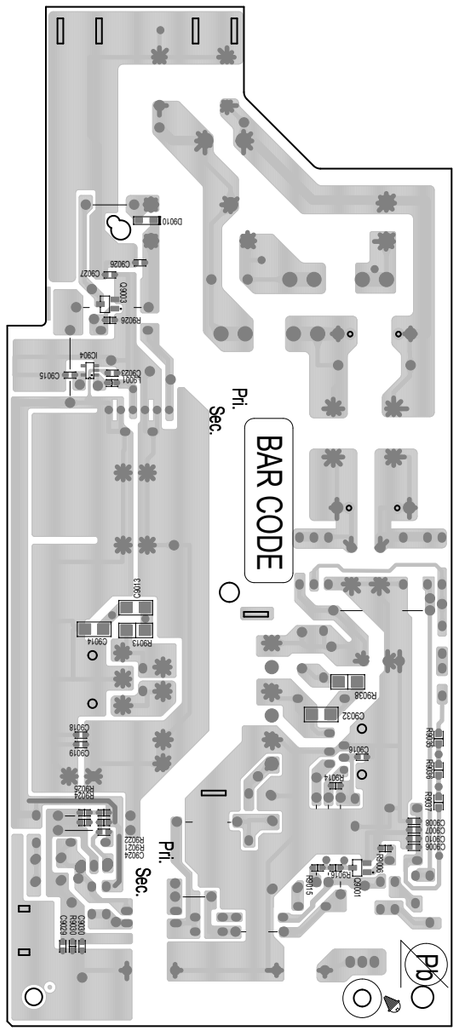
FRT CNT (B SIDE)



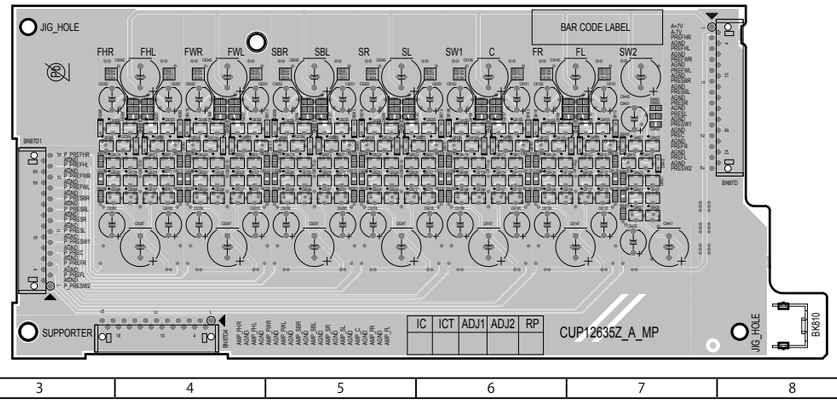
SMPS (A SIDE)



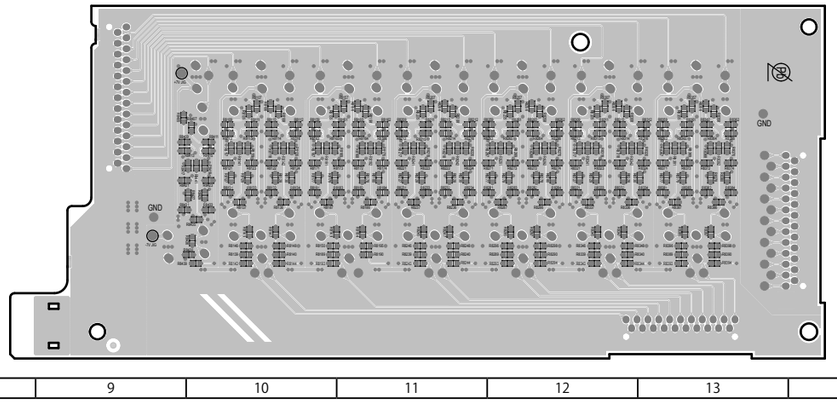
SMPS (B SIDE)

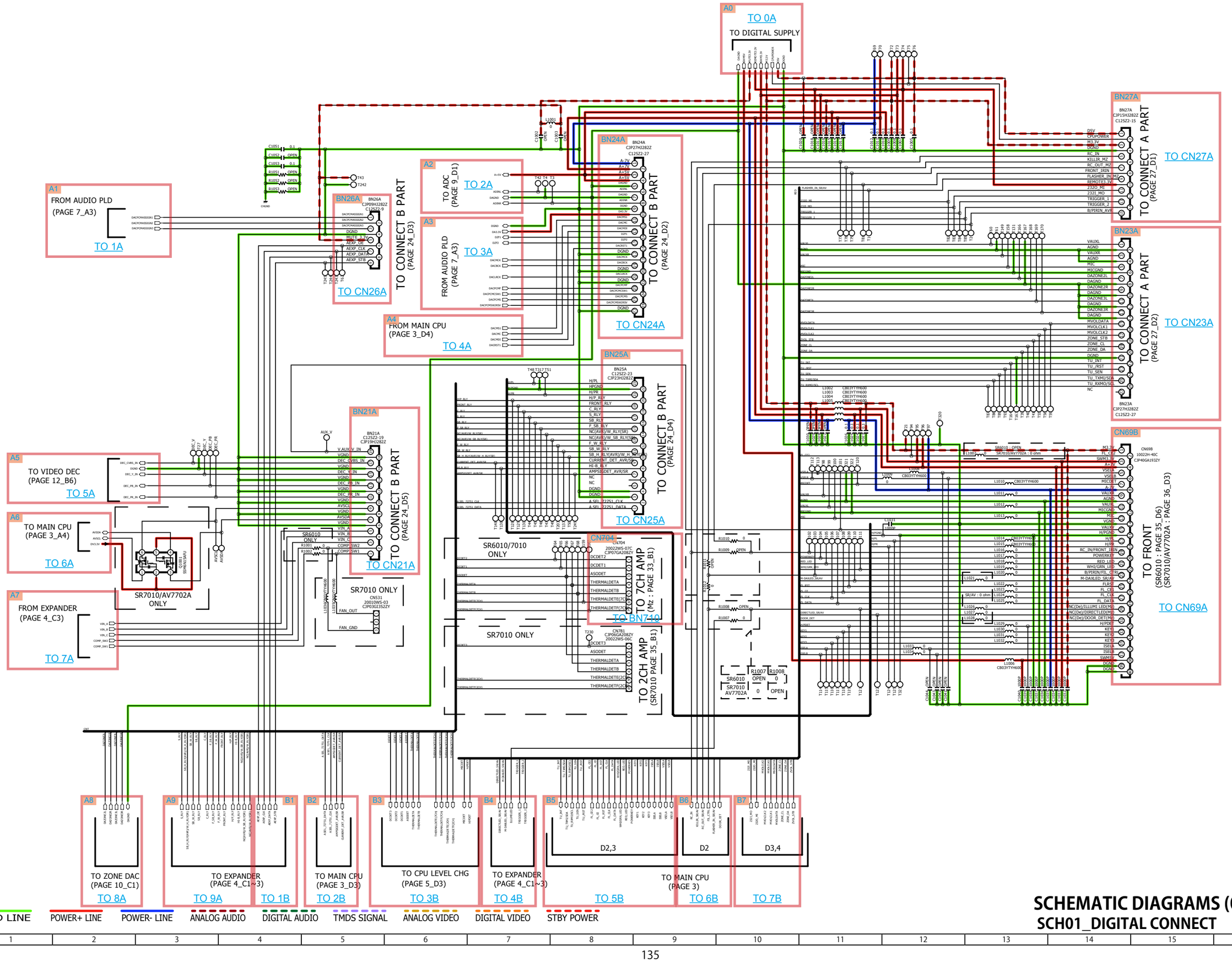


HDAM (A SIDE)



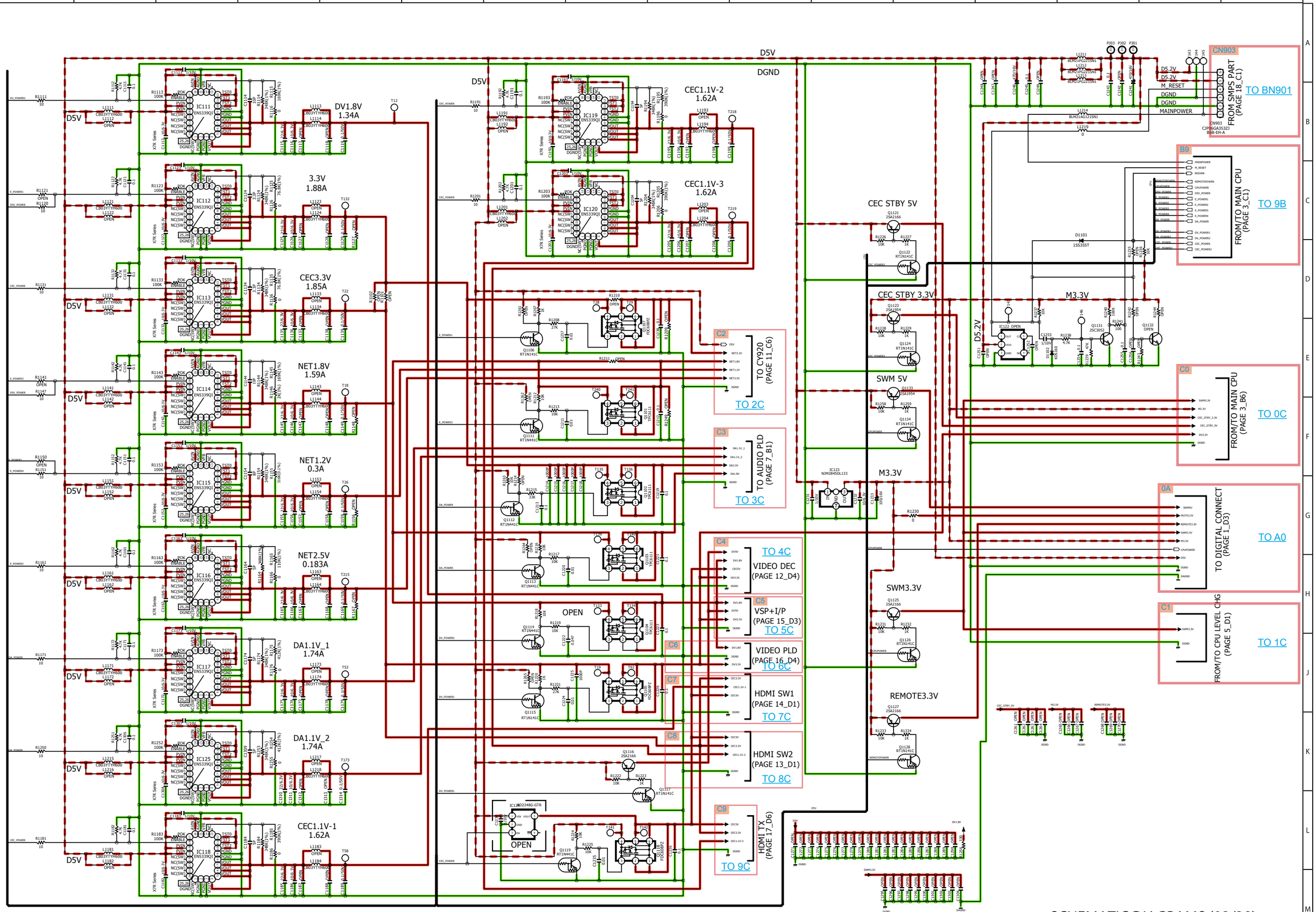
HDAM (B SIDE)





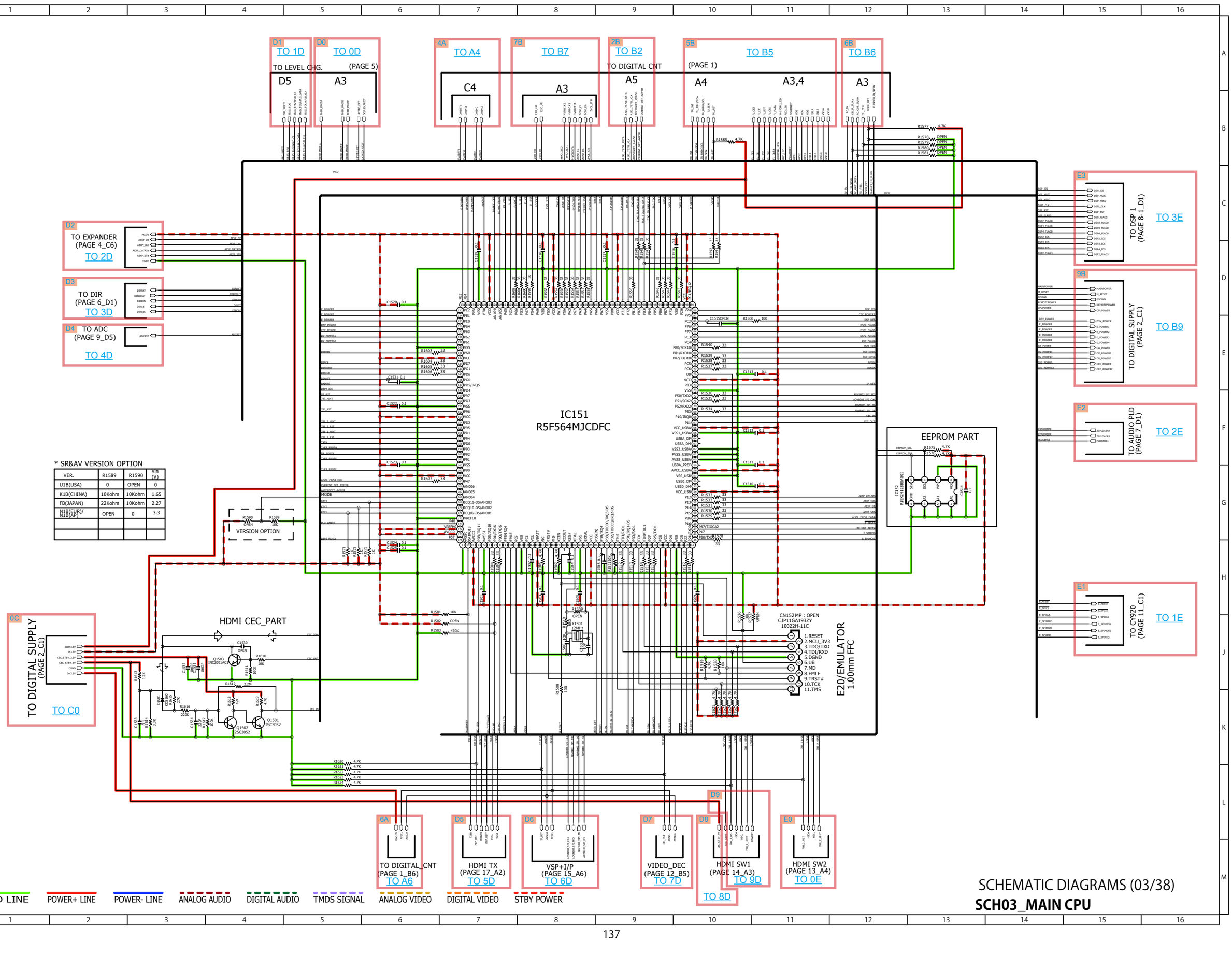
SCHEMATIC DIAGRAMS (01/38)

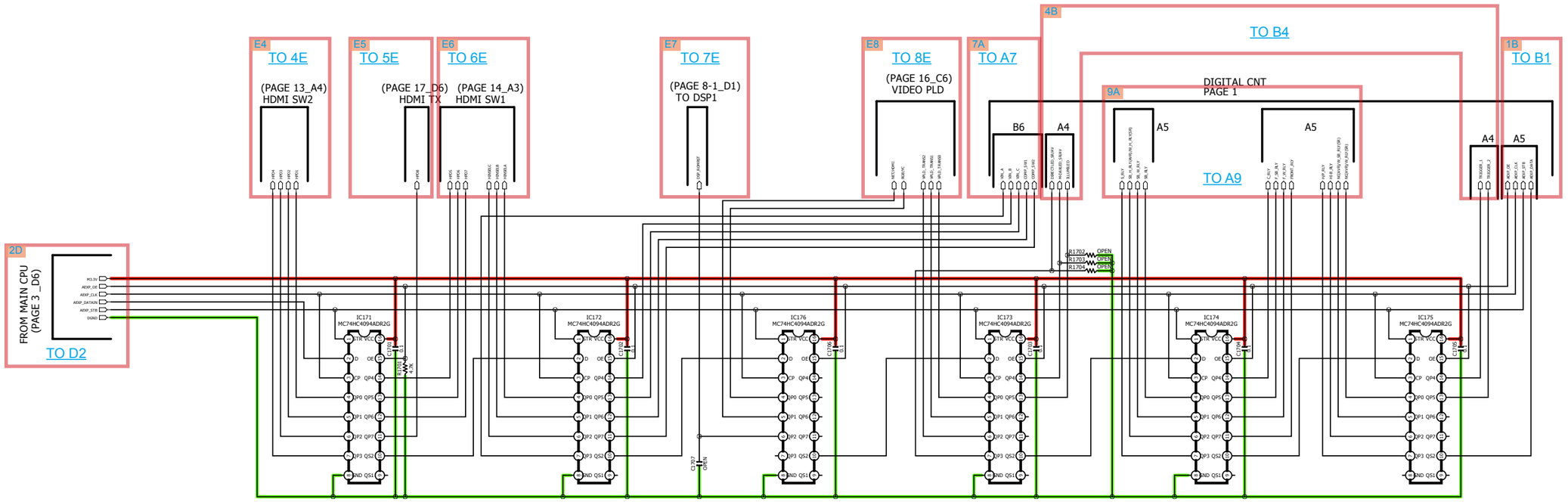
SCH01_DIGITAL CONNECT



SCHEMATIC DIAGRAMS (02/38)

SCH02_DIGITAL POWER


D1
TO 1D
TO LEVEL CHG.
D5
D0
TO 0D
(PAGE 5)
A3
4A
TO A4
C4
7B
TO B7
A3
2B
TO B2
TO DIGITAL CNT
A5
5B
TO B5
(PAGE 1)
A4
A3,4
6B
TO B6
A3
D2
TO EXPANDER
(PAGE 4_C6)
TO 2D
D3
TO DIR
(PAGE 6_D1)
TO 3D
D4
TO ADC
(PAGE 9_D5)
TO 4D
IC151
R5F564MJCDFC
MCU
* SR&AV VERSION OPTION
VER. | R1589 | R1590 | Vin (V)
U1B(USA) | 0 | OPEN | 0
K1B(CHINA) | 10Kohm | 10Kohm | 1.65
FB(JAPAN) | 22Kohm | 10Kohm | 2.27
N1B(EUR)/ N1B(AP) | OPEN | 0 | 3.3
VERSION OPTION
HDMI CEC_PART
EEPROM PART
IC152
R1EX24128BSAS0I
CN152MP : OPEN
CJP11GA193ZY
10022H-11C
1.RESET
2.MCU_3V3
3.TDO/TXD
4.TDI/RXD
5.DGND
6.UB
7.MD
8.EMLE
9.TRST#
10.TCK
11.TMS
E20/EMULATOR
1.00mm FFC
0C
TO DIGITAL SUPPLY
(PAGE 2_C1)
TO C0
E3
TO DSP 1
(PAGE 8-1_D1)
TO 3E
9B
TO DIGITAL SUPPLY
(PAGE 2_C1)
TO B9
E2
TO AUDIO PLD
(PAGE 7_D1)
TO 2E
E1
TO CY920
(PAGE 11_C1)
TO 1E
6A
TO DIGITAL_CNT
(PAGE 1_B6)
TO A6
D5
HDMI TX
(PAGE 17_A2)
TO 5D
D6
VSP+I/P
(PAGE 15_A6)
TO 6D
D7
VIDEO_DEC
(PAGE 12_B5)
TO 7D
D8
HDMI SW1
(PAGE 14_A3)
TO 9D
TO 8D
E0
HDMI SW2
(PAGE 13_A4)
TO 0E
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER
SCHEMATIC DIAGRAMS (03/38)
SCH03_MAIN CPU



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

SCHEMATIC DIAGRAMS (04/38)

SCH04_EXPANDER

0D
TO D0
(PAGE 3_D5)
FROM MAIN CPU

3B
TO B3
TO DIGITAL CONNECT
(PAGE 1_A4)

1C
TO C1
TO DIGITAL SUPPLY POWER
(PAGE 2_B1)

MIC/HP
DETECT PARTS

OPTION	OTHERS	SR7010
R1951 / R1952	OPEN	10K
D1901 / D1903	OPEN	KDS160

R1953 4.7K
Q1918 RT1N141C
C1915 0.1
IC191 SN74LVC244APWR
R1954 100
R1955 100
R1956 100
R1957 100
R1964 4.7K
R1965 10K
R1966 10K
R1968 3.9K
R1963 3.9K
R1964 3.3K
R1967 3.3K
Q1920 RT1N141C
R1969 0
Q1922 2SC3052
C1916 0.01
DC_DET/ASO
D1901 OPEN
D1903 OPEN
D1904 KDS160
R1905 100
R1906 2K
R1907 0
R1901 22K
R1902 100
Q1902 2SC3052
Q1903 2SC3052
C1902 0.01
R1902 OPEN
C1903 0.01
R1914 OPEN
R1927 100
T206
R1928 100
C1906 0.01
Q1906 ISA1530AC1
Q1907 2SC3052
R1929 2.2K
C1907 0.01
Q1908 2SC3052
R1930 100
T186
R1931 100
C1908 0.01
Q1909 ISA1530AC1
Q1910 2SC3052
R1932 33K
C1909 0.01
Q1911 2SC3052
R1933 100
T185
R1934 22K
C1910 0.01
Q1912 ISA1530AC1
Q1913 2SC3052
R1935 15K
C1911 0.01
Q1914 2SC3052
R1937 100
T187
R1938 10K
C1912 0.01
R1939 22K
Q1915 2SC3052
C1913 0.01
R1942 100
T188
R1943 10K
C1914 0.01
R1944 22K
Q1916 2SC3052
C1915 0.01
R1945 OPEN
C1916 0.01
R1946 OPEN

SR6010/7010 ONLY
SR7010 ONLY
SR6010/7010 ONLY

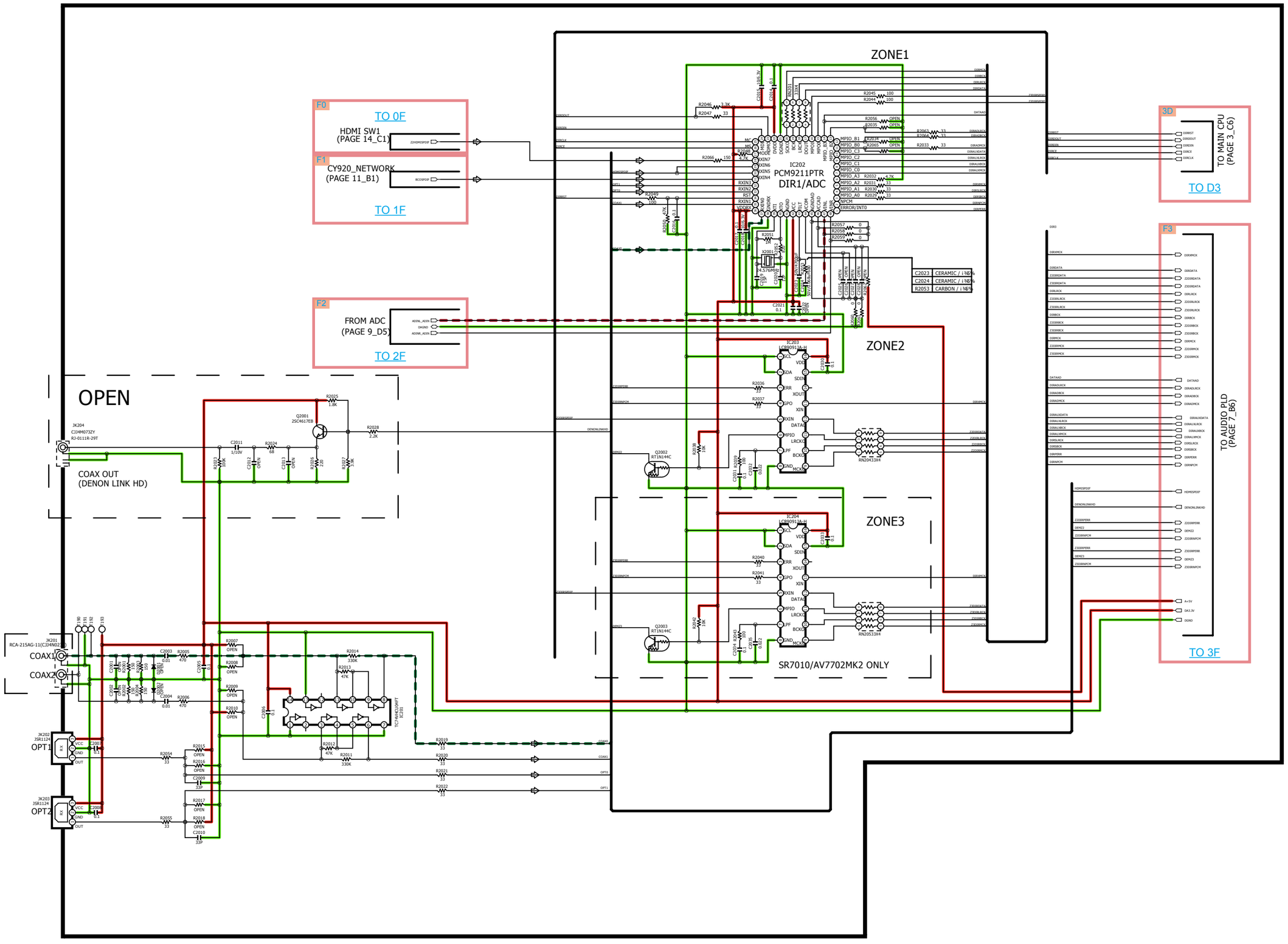
R1958 33
R1959 33
R1960 33

E9
TO AUDIO PLD
(PAGE 7_D1)
TO 9E

1D
TO D1
TO MAIN CPU
(PAGE 3_D5)

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

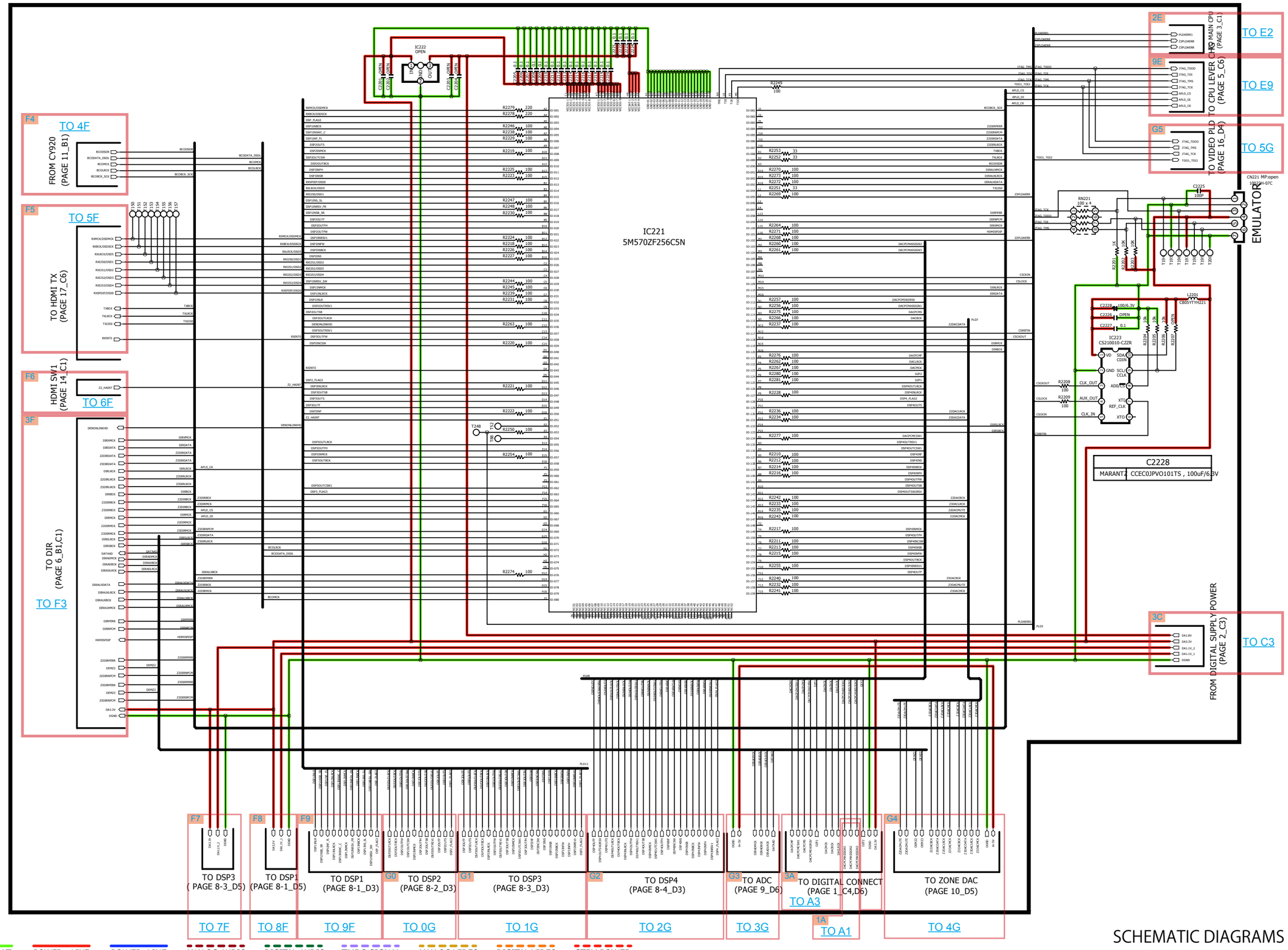
SCHEMATIC DIAGRAMS (05/38)
SCH05_CPU LEVEL CHG



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

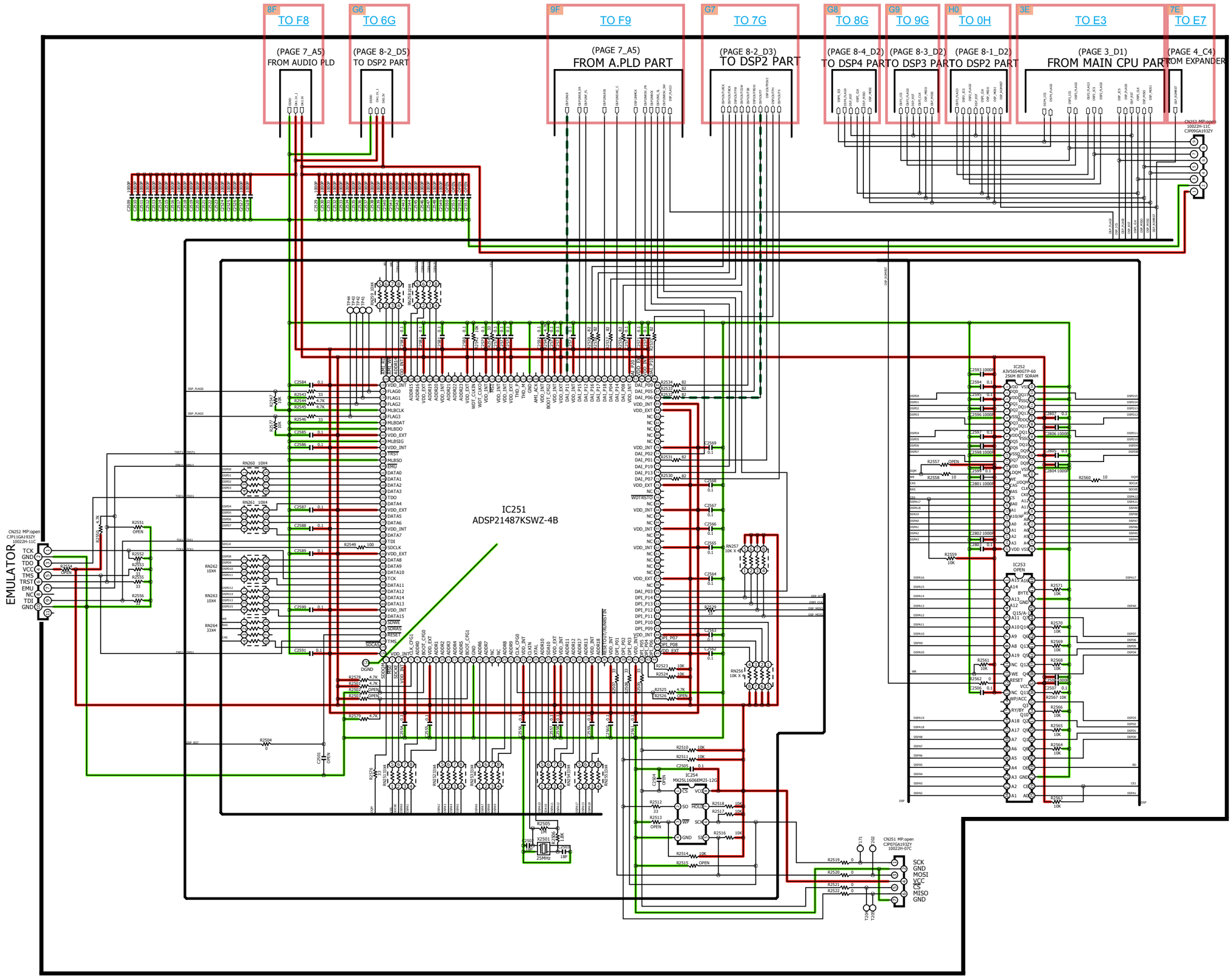
SCHEMATIC DIAGRAMS (06/38)

SCH06_DIR



SCHEMATIC DIAGRAMS (07/38)

SCH07_AUDIO PLD



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

SCHEMATIC DIAGRAMS (08/38)

SCH08_DSP1

6G TO G6
7G TO G7
0G TO G0
0H TO H0

(PAGE 8-1_D4)
FROM DSP1 PART

(PAGE 8-1_D3)
FROM DSP1 PART

(PAGE 7_A4)
TO A.PLD PART

(PAGE 8-2_D2)
FROM DSP1 PART

IC261
ADSP21487KSWZ-4B

IC262
A3V56540GTP-60
256M BIT SDRAM

IC263
OPEN

IC264
MX25L1606EM2I-12G

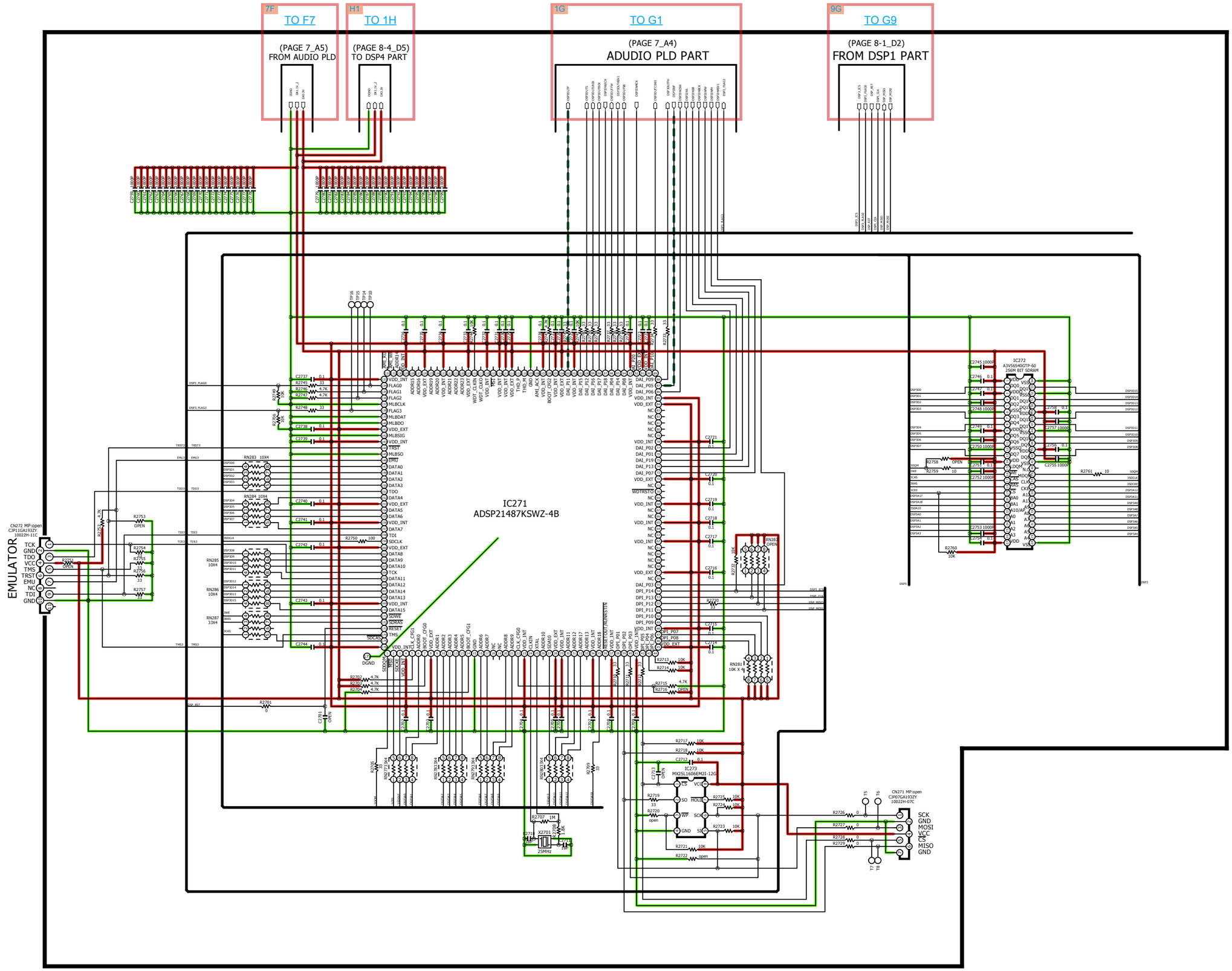
EMULATOR
CN262 MP:open
CJP11GA193ZY
10022H-11C
TCK
GND
TDO
VCC
TMS
TRST
EMU
NC
TDI
GND

CN261 MP:open
CJP07GA193ZY
10022H-07C
SCK
GND
MOSI
VCC
CS
MISO
GND

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

SCHEMATIC DIAGRAMS (09/38)

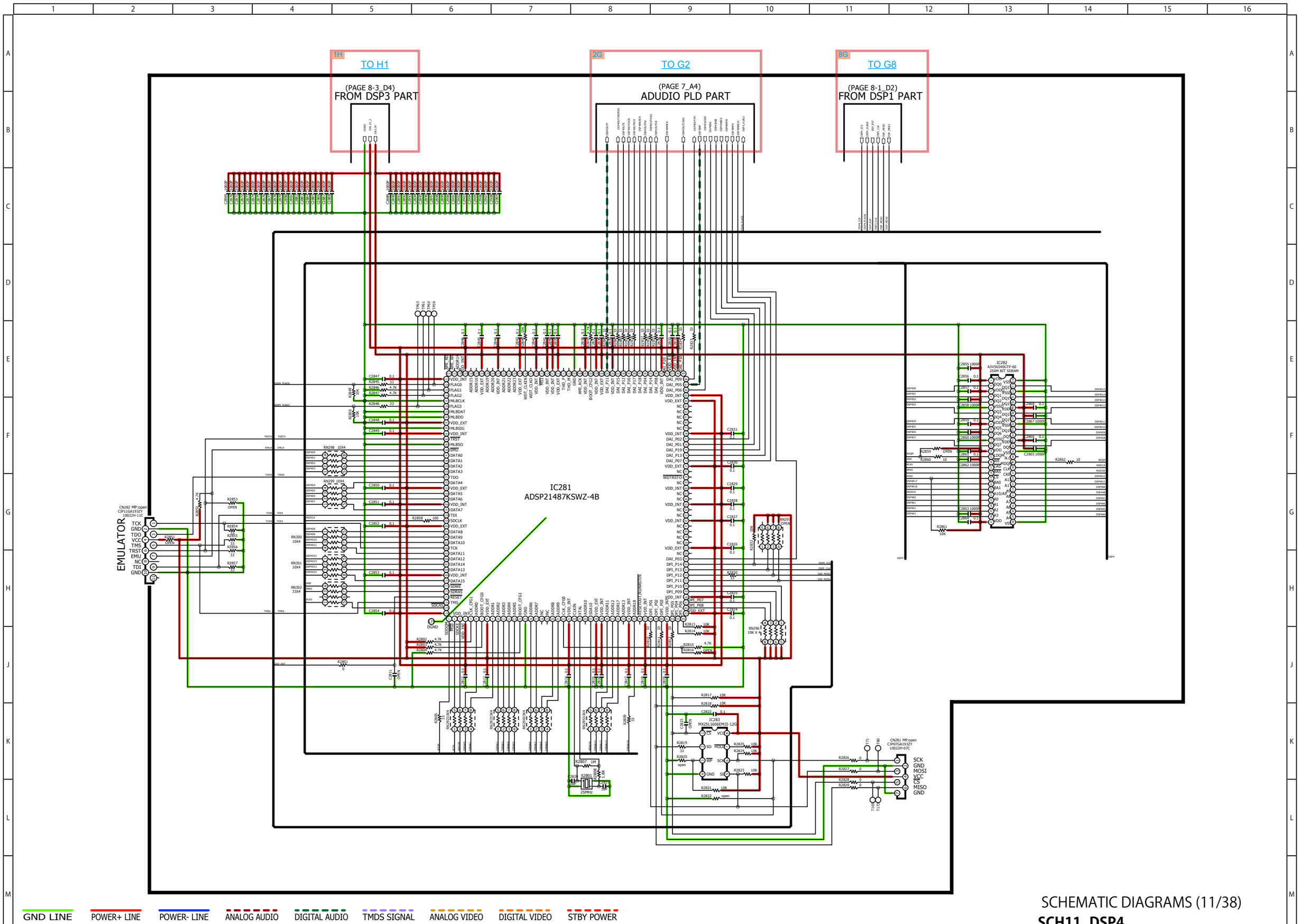
SCH09_DSP2



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

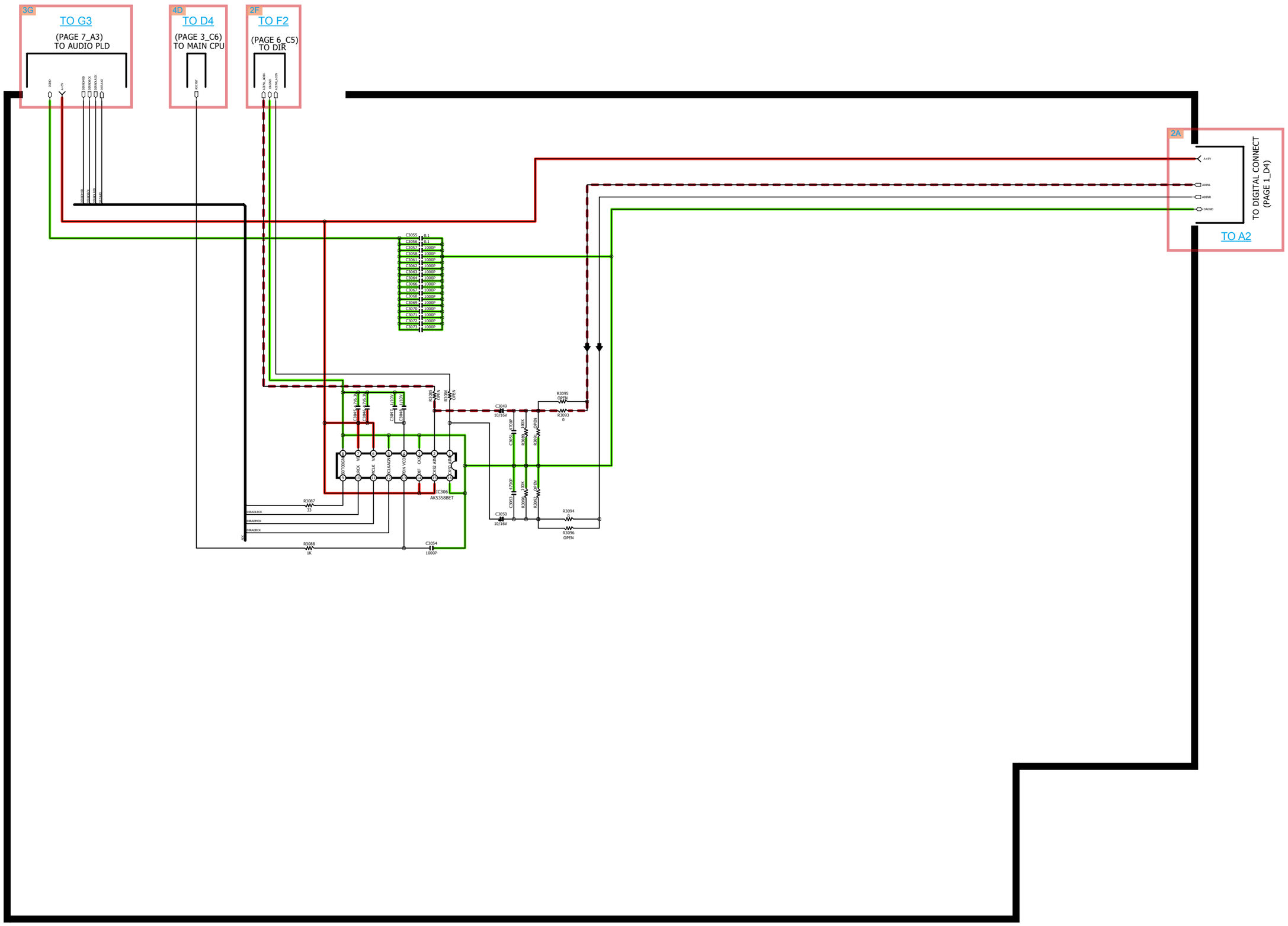
SCHEMATIC DIAGRAMS (10/38)

SCH10_DSP3



SCHEMATIC DIAGRAMS (11/38)

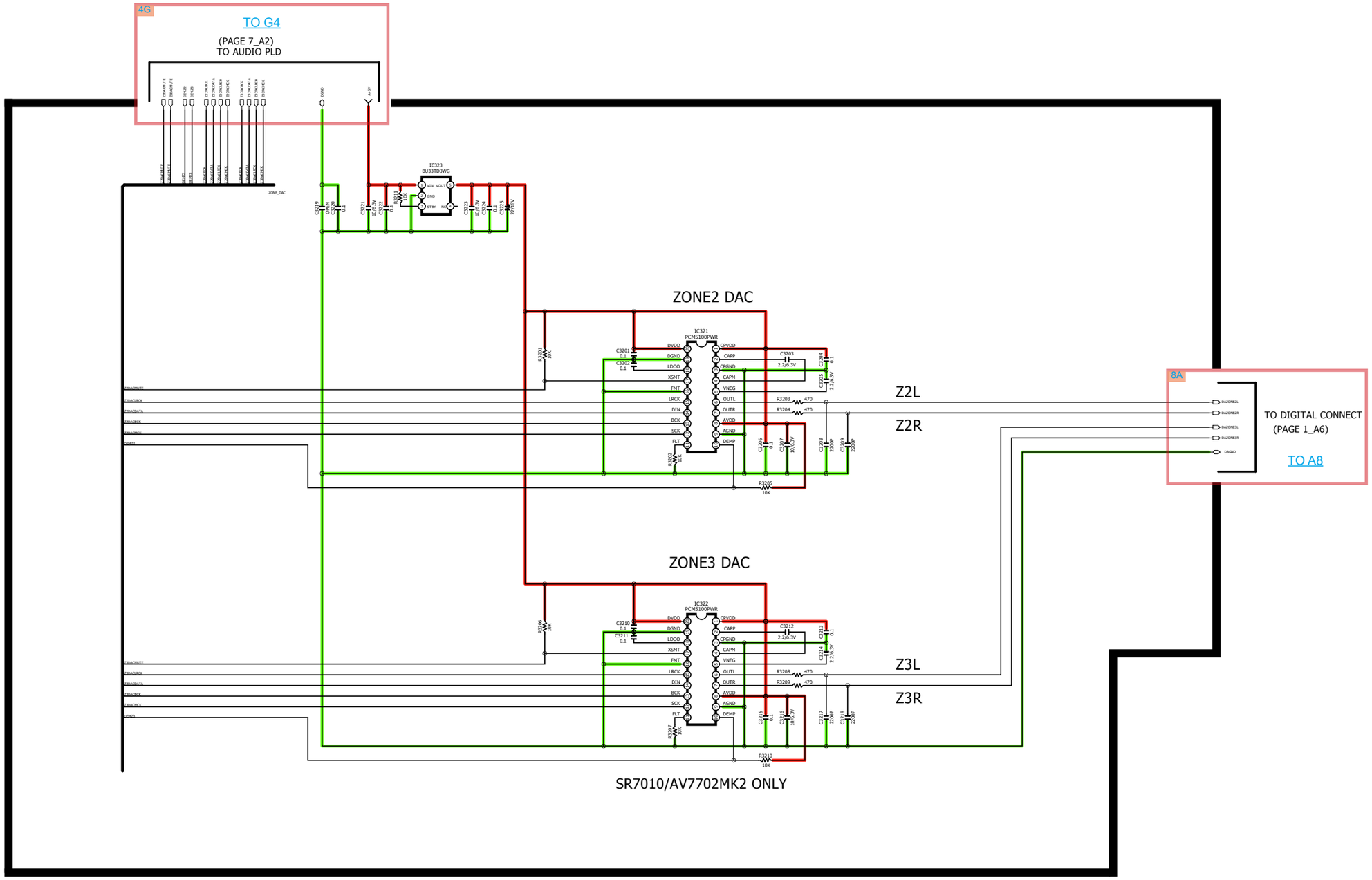
SCH11_DSP4



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

SCHEMATIC DIAGRAMS (12/38)

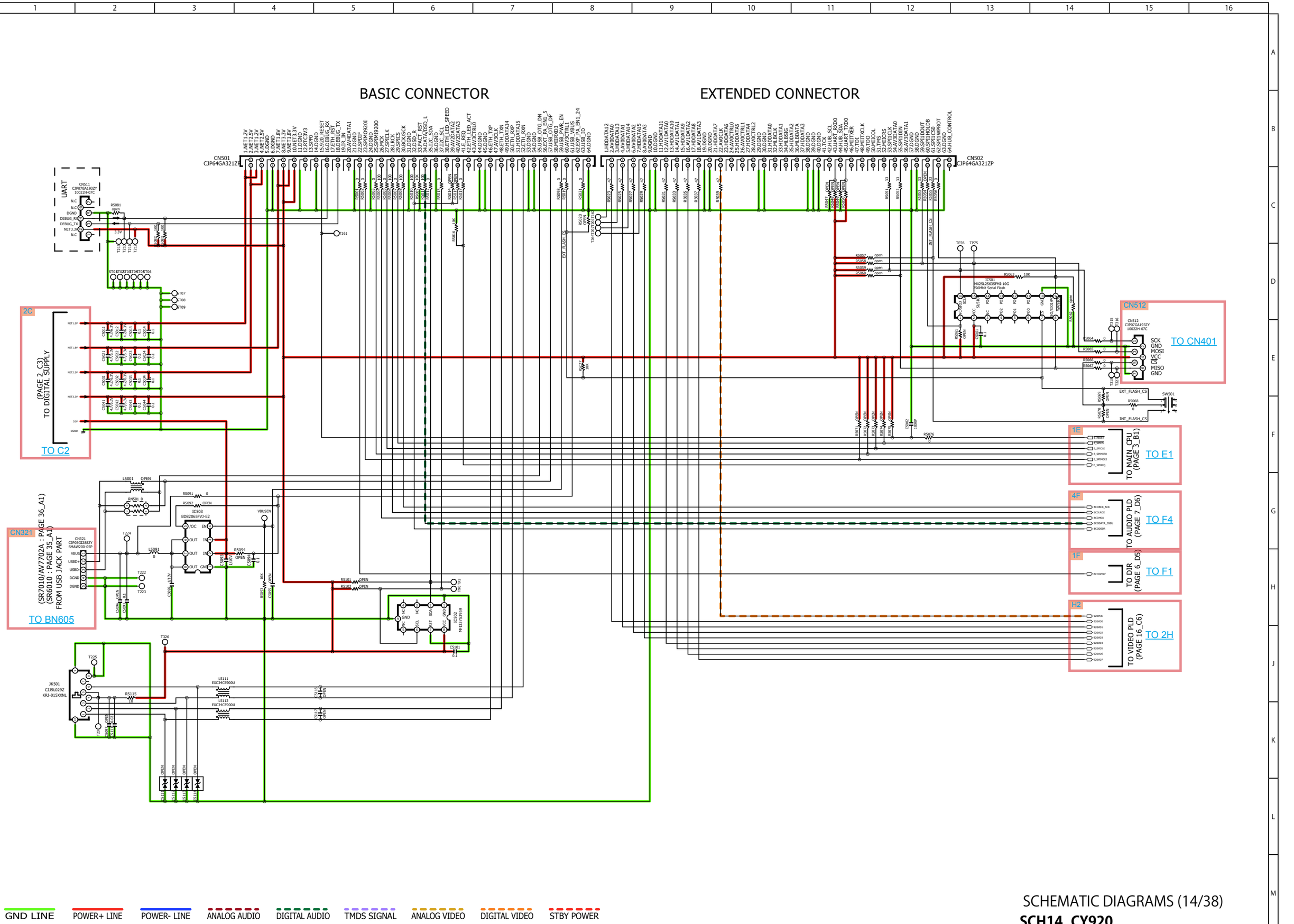
SCH12_ADC



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

SCHEMATIC DIAGRAMS (13/38)

SCH13_ZONE DAC



SCHEMATIC DIAGRAMS (14/38)

SCH14_CY920

4C
TO C4
(PAGE 2_B3)
FROM DIGITAL SUPPLY POWER

IC351
ADV7850KBCZ-5
HDMI RX+TX+VIDEO DEC

	R3519 R3523	R3521 R3525	R3520 R3524	R3522 R3526	R3527 R3529	R3528 R3530
SR6010	0		24		51	
SR7010 AV7702A	470		150		330	

OPTION

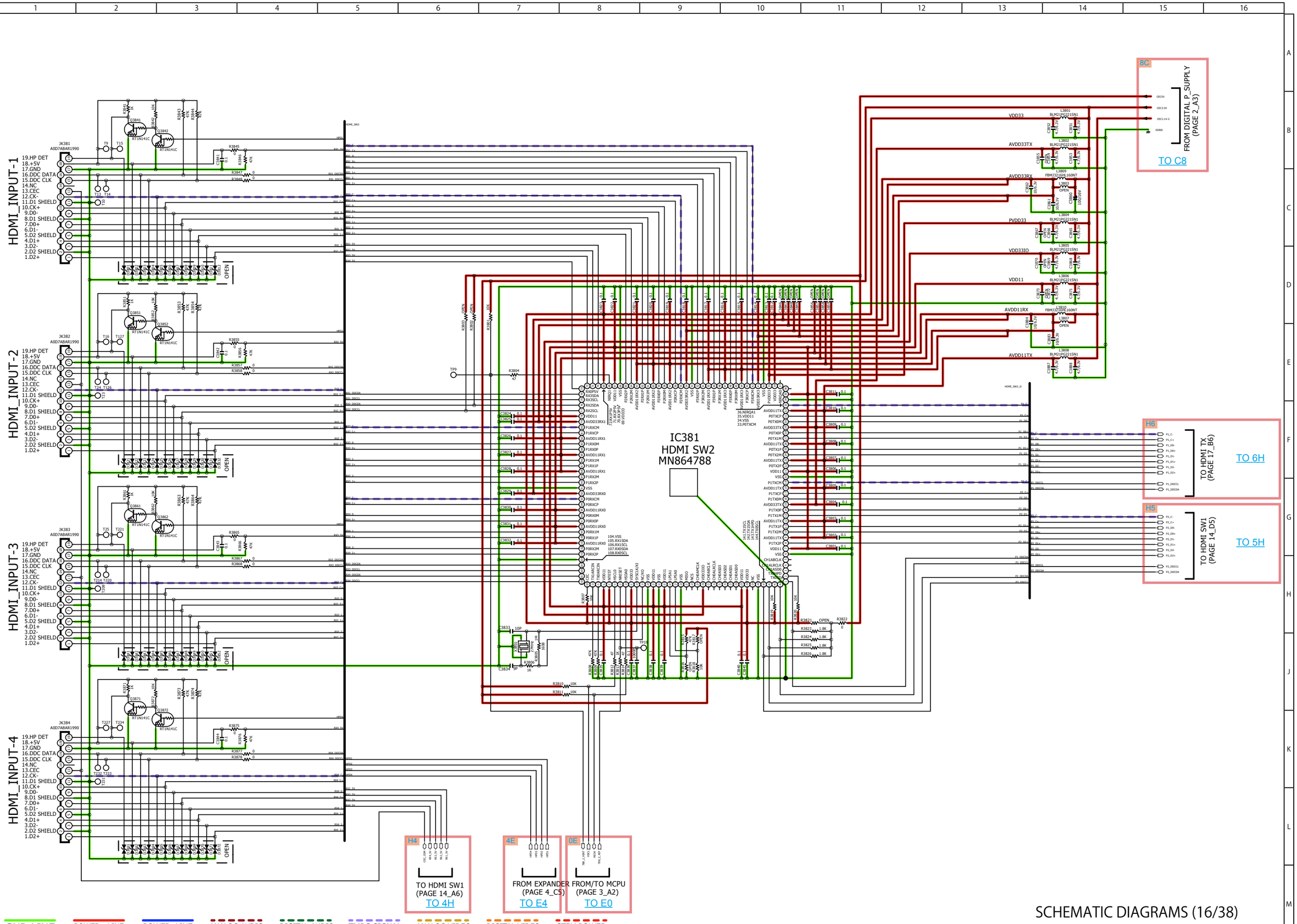
5A
(PAGE 1_B6)
TO DIGITAL CNT
TO A5

7D
(PAGE 3_A3)
FROM MAIN_CPU PART
TO D7

H3
TO HDMI TX
(PAGE 17_A6)
TO 3H

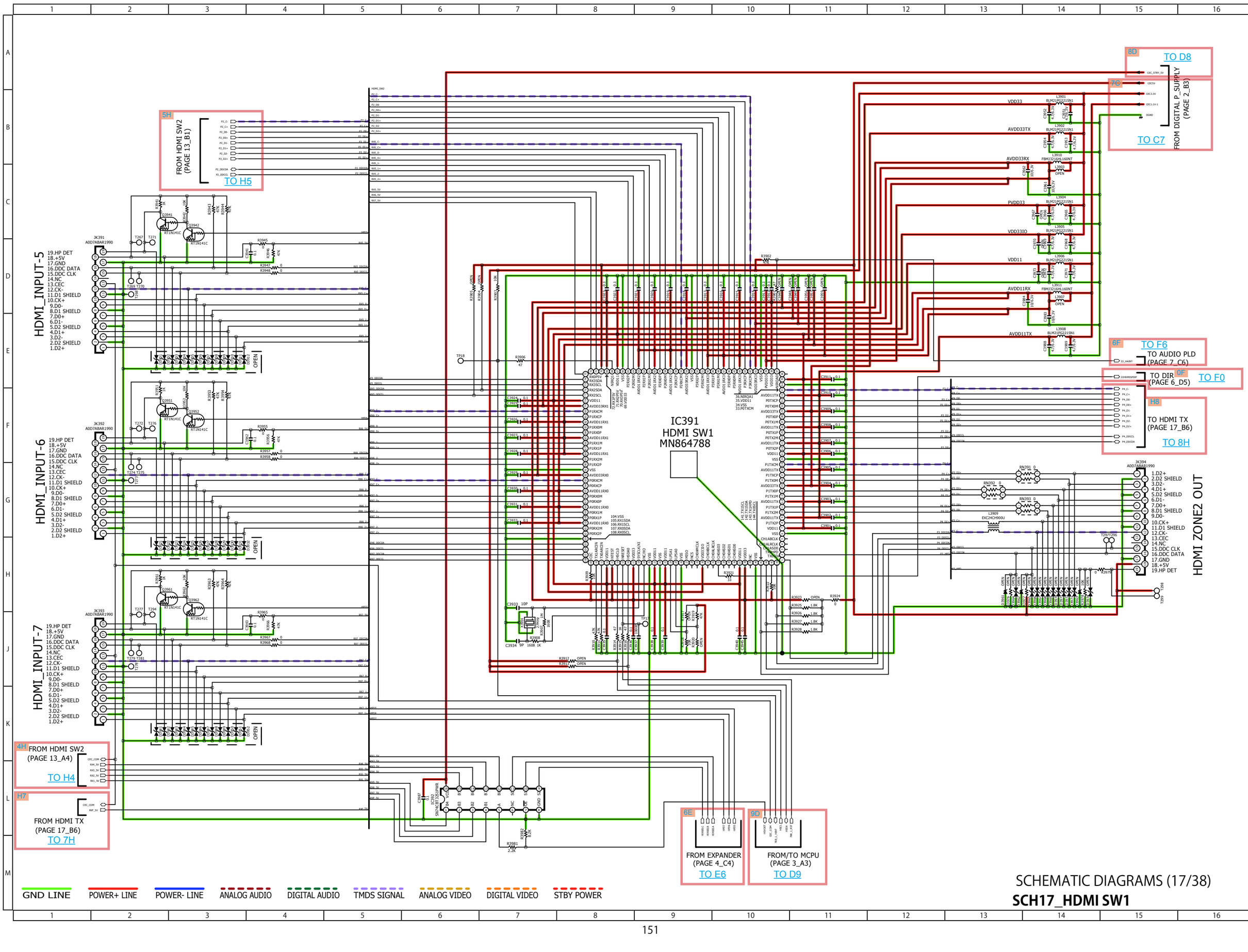
GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

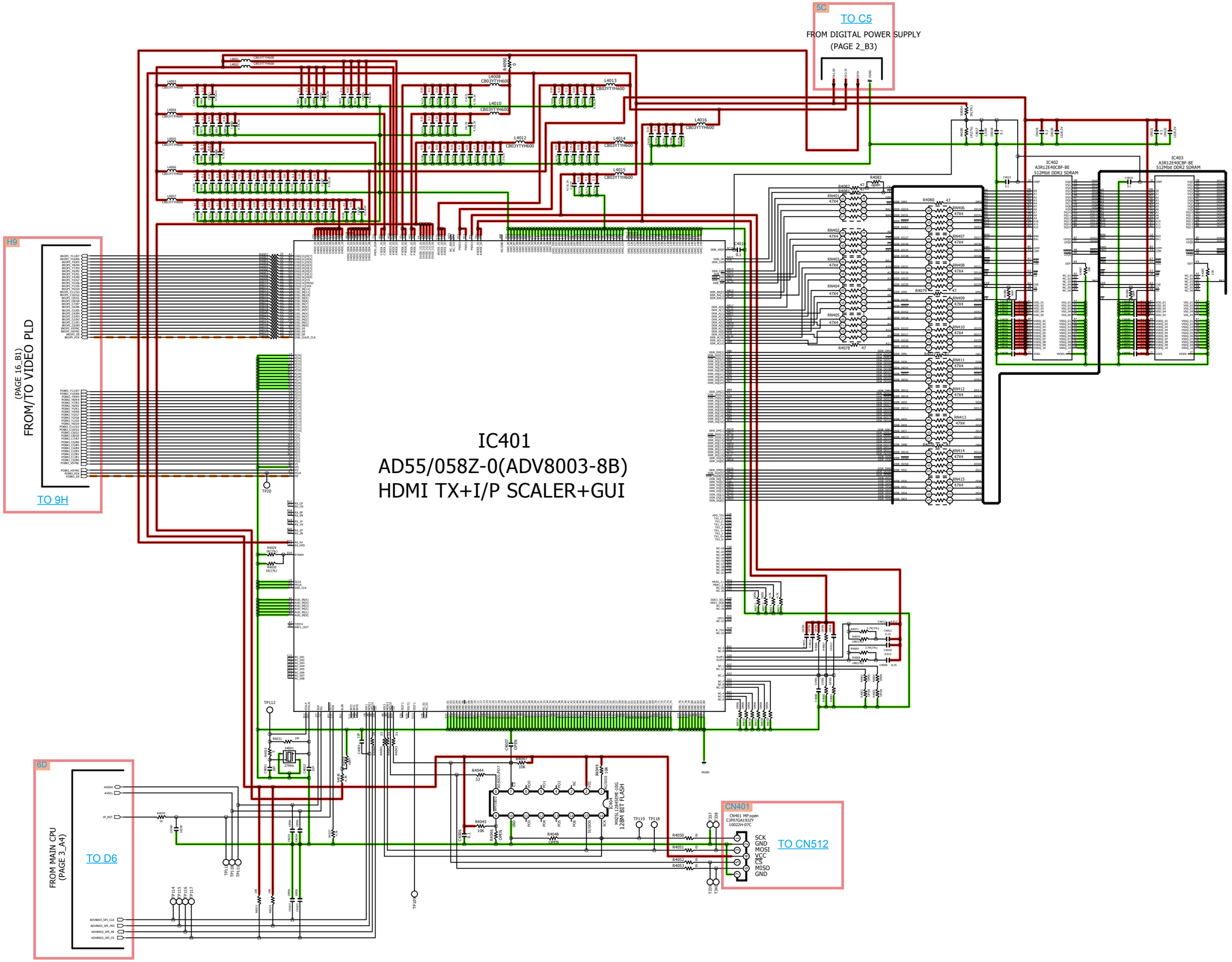
SCHEMATIC DIAGRAMS (15/38)
SCH15_VIDEO DECODER



SCHEMATIC DIAGRAMS (16/38)

SCH16_HDMI SW2


HDMI_INPUT-5
19.HP DET
18.+5V
17.GND
16.DDC DATA
15.DDC CLK
14.NC
13.CEC
12.CK-
11.D1 SHIELD
10.CK+
9.D0-
8.D1 SHIELD
7.D0+
6.D1-
5.D2 SHIELD
4.D1+
3.D2-
2.D2 SHIELD
1.D2+
HDMI_INPUT-6
HDMI_INPUT-7
5H
FROM HDMI SW2
(PAGE 13_B1)
TO H5
4H
FROM HDMI SW2
(PAGE 13_A4)
TO H4
H7
FROM HDMI TX
(PAGE 17_B6)
TO 7H
IC391
HDMI SW1
MN864788
8D
TO D8
7C
TO C7
FROM DIGITAL P_SUPPLY
(PAGE 2_B3)
6F
TO F6
TO AUDIO PLD
(PAGE 7_C6)
0F
TO F0
TO DIR
(PAGE 6_D5)
H8
TO HDMI TX
(PAGE 17_B6)
TO 8H
6E
FROM EXPANDER
(PAGE 4_C4)
TO E6
9D
FROM/TO MCPU
(PAGE 3_A3)
TO D9
HDMI ZONE2 OUT
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER
SCHEMATIC DIAGRAMS (17/38)
SCH17_HDMI SW1



SCHEMATIC DIAGRAMS (18/38)

SCH18_VSP & IP & OSD

6C
TO C6

(PAGE 2_B3)
FROM DIGITAL POWER

5G
TO G5

(PAGE 7_D1)
TO AUDIO PLD

8E
FROM EXPANDER
(PAGE 4_C3)
TO E8

2H
FROM CY920
(PAGE 11_B1)
TO H2

IC421
EPM570F256C4N

9H
TO H9

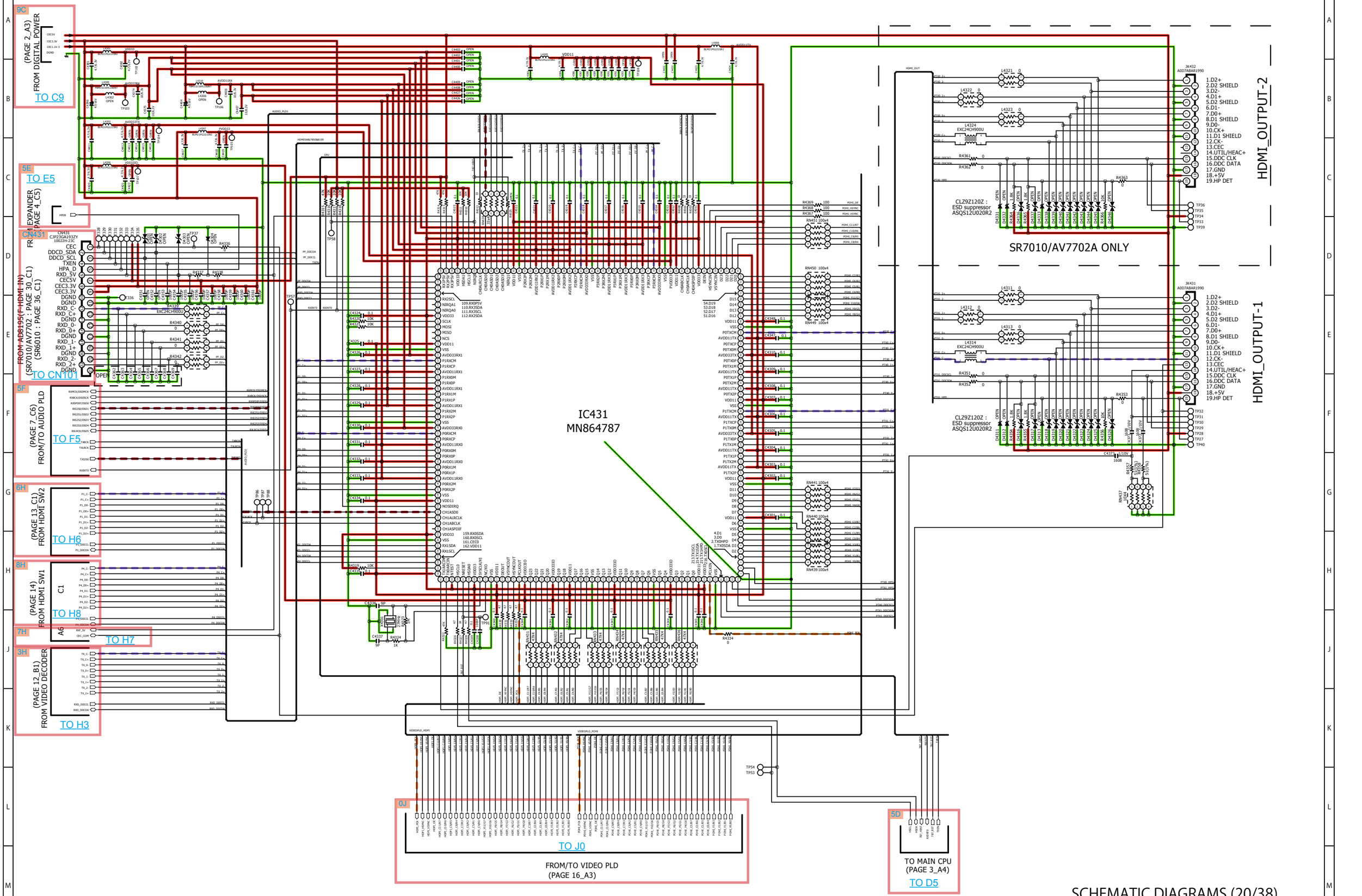
FROM/TO VSP+OSD+I/P_SCALER
(PAGE 15_C6)

J0
TO 0J

FROM/TO HDMI TX
(PAGE 17_A3)

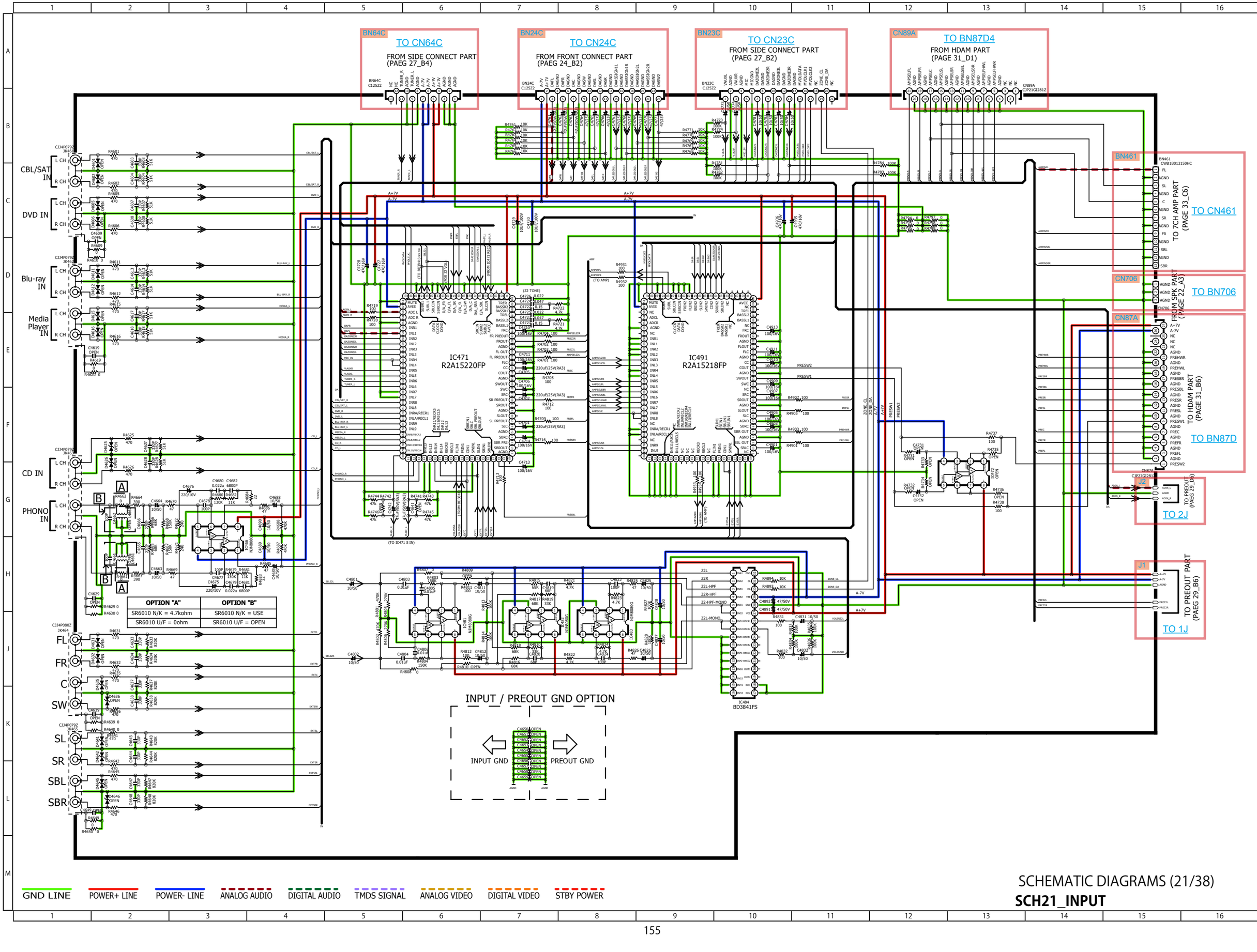
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER

SCHEMATIC DIAGRAMS (19/38)
SCH19_VIDEO PLD



SCHEMATIC DIAGRAMS (20/38)

SCH20_HDMI TX & SCALER



SCHEMATIC DIAGRAMS (21/38)

SCH21_INPUT

PREOUT PART

2J
TO J2
FROM INPUT
(PAEG 28_B1)

BN26C
FROM FRONT CONNECT PA
(PAEG 24_B4)
TO CN26C

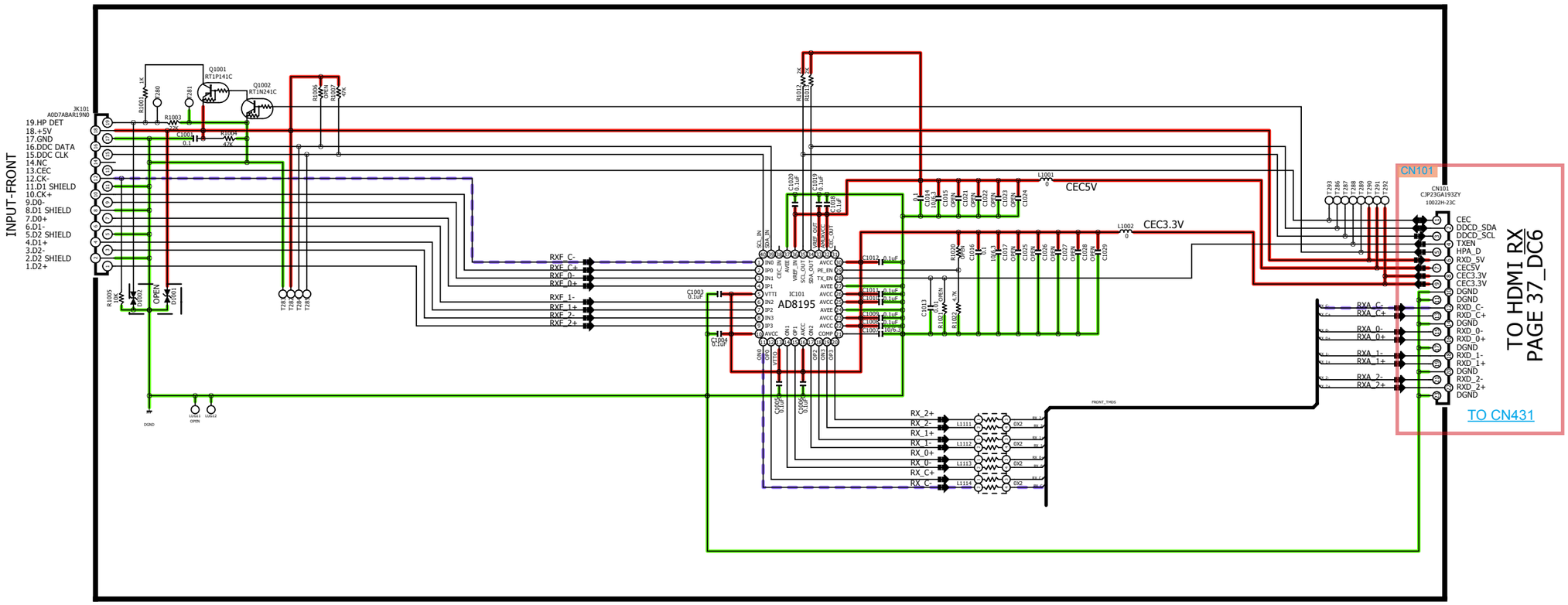
CN88A
TO BN87D1
FROM HDAM PART
(PAGE 31_B1)

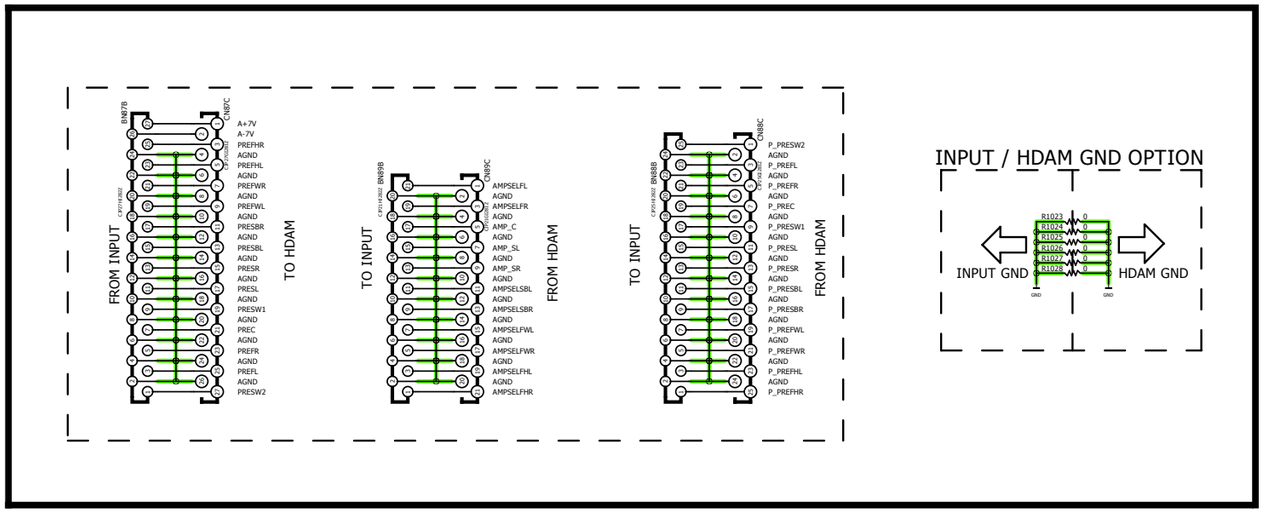
1J
FROM INPUT (PAEG 28_B1)
TO J1

CJJ4N099Z JK876 Z2L Z2R
CJJ4P080Z JK871 FL FR C SW
CJJ4P079Z JK872 SL SR SBL SBR
CJJ4P079Z JK873 WL WR H1L H1R
CJJ4N099Z JK874 H2L H2R
CJJ4M056W JK875 SW2

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

SCHEMATIC DIAGRAMS (22/38)
SCH22_PREOUT





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

SCHEMATIC DIAGRAMS (23/38)

SCH23_HDAM CNT & F-HDMI

ANALOG VDIEO PART

CVBS IN / OUT

MONITOR OUT

CBL/SAT

DVD

GAME

IC511 NJM2595MTE1

CVBS INPUT SW (NJM2595)

STATUS					OUTPUT		SR6010
SW1	SW2	SW3	SW4	SW5	VOUT1	VOUT2	
L	L	H	H	L	MUTE	MUTE	MUTE
H	H	L	L	H	VIN3	VIN3	CBL/SAT
H	H	L	H	H	VIN4	VIN4	DVD
H	L	H	H	H	VIN5	VIN5	BLU-RAY
H	L	H	L	H	VIN2	VIN2	V_AUX

COMPO INPUT SW (NJM2586)

STATUS		OUTPUT
SW1	SW2	
L	L	MUTE
H	L	CBL/SAT
H	H	DVD

COMPONENT IN / OUT

CBL/SAT_Y

CBL/SAT_Cb

CBL/SAT_Cr

DVD_Y

DVD_Cb

DVD_Cr

Y_OUT

PB_OUT

PR_OUT

IC516 NJM2586AVC3

Q5117 CVTRT1N141C

J3 — FROM RC-5_ PART (PAGE 20_A2) — TO 3J

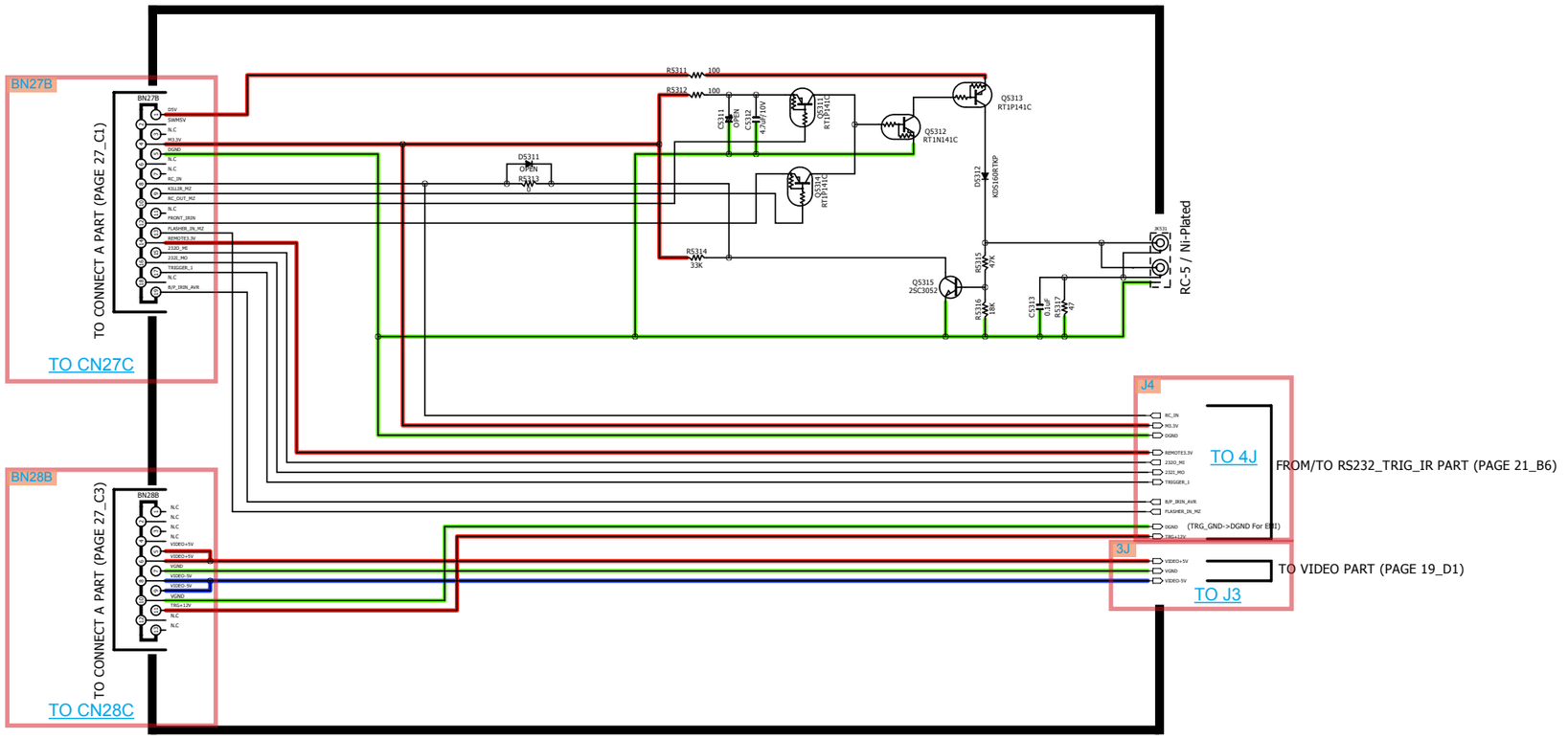
BN21B — TO CONNECT B PART (PAGE 24_C5) — TO CN21B

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

SCHEMATIC DIAGRAMS (24/38)

SCH24_A-VIDEO

RC-5

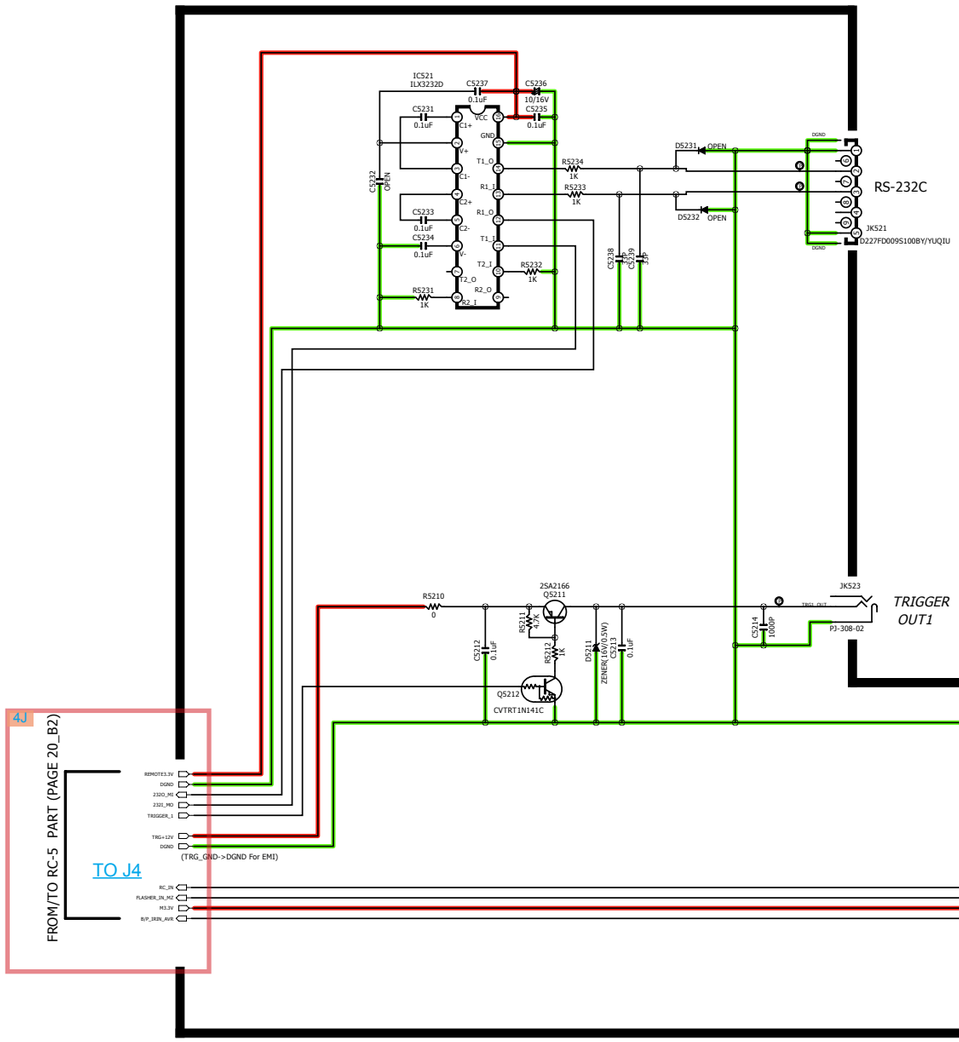


GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

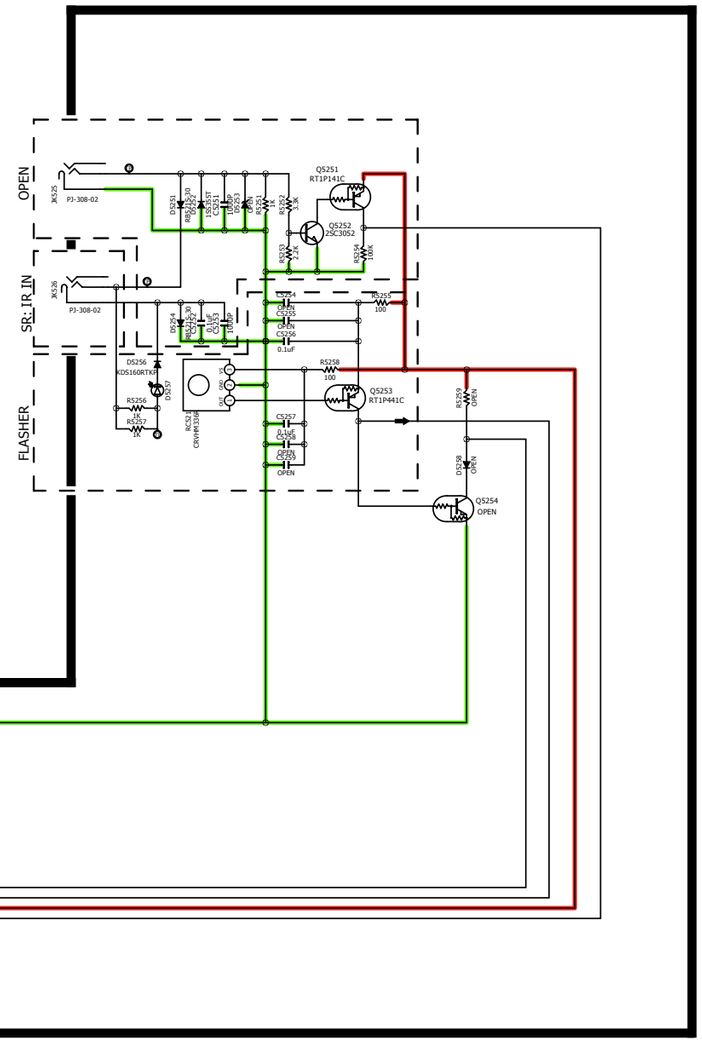
SCHEMATIC DIAGRAMS (25/38)

SCH25_RC-5

RS232C/TRIGGER



IR / FLASHER

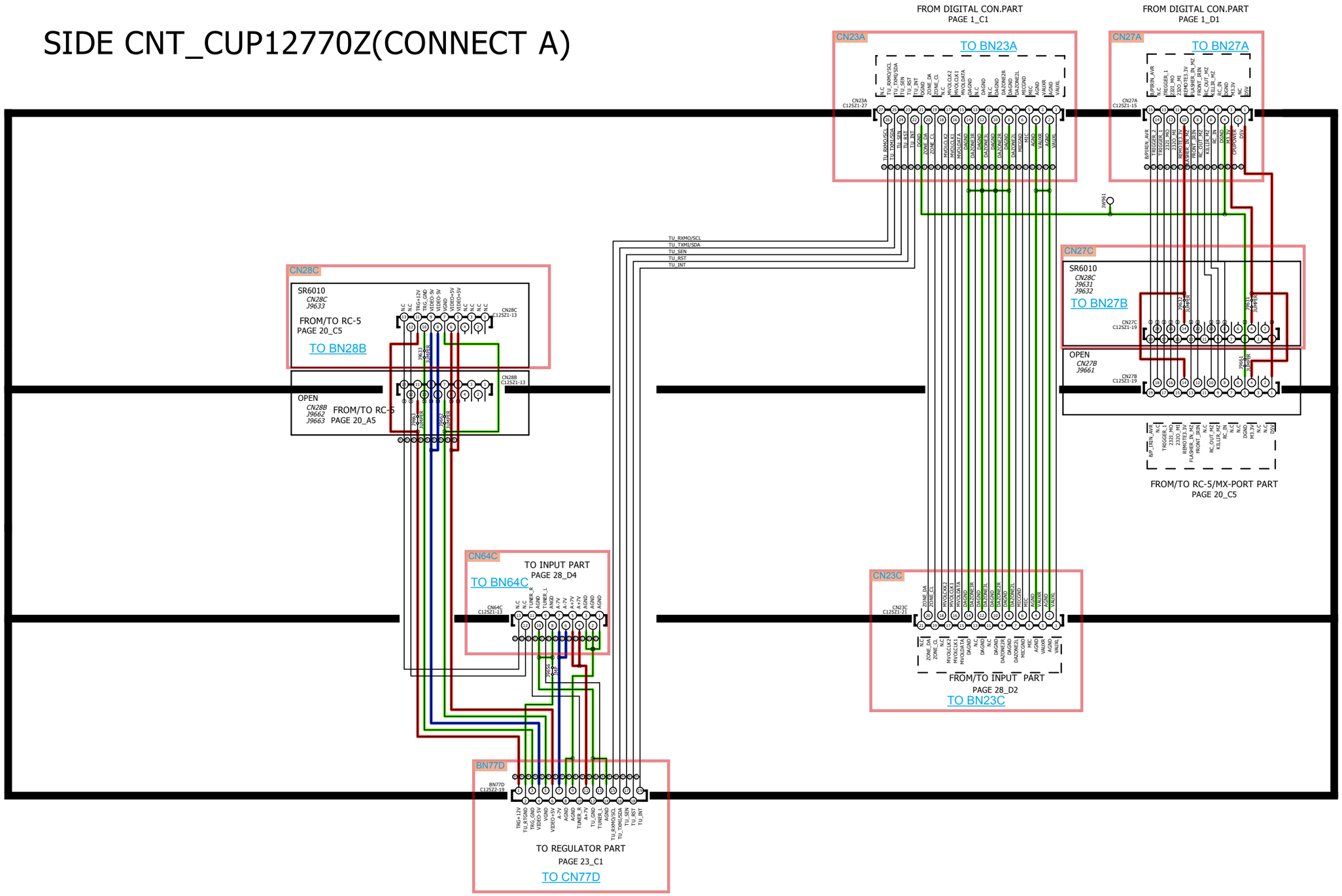


GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (26/38)

SCH26_RS232C & TRIGGER

SIDE CNT_CUP12770Z(CONNECT A)



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

SCHEMATIC DIAGRAMS (27/38)

SCH27_SIDE CNT

FRT CNT CONNECT B

FROM/TO DIGITAL CON. PART

FROM/TO A-VIDEO PART

FROM/TO INPUT PART

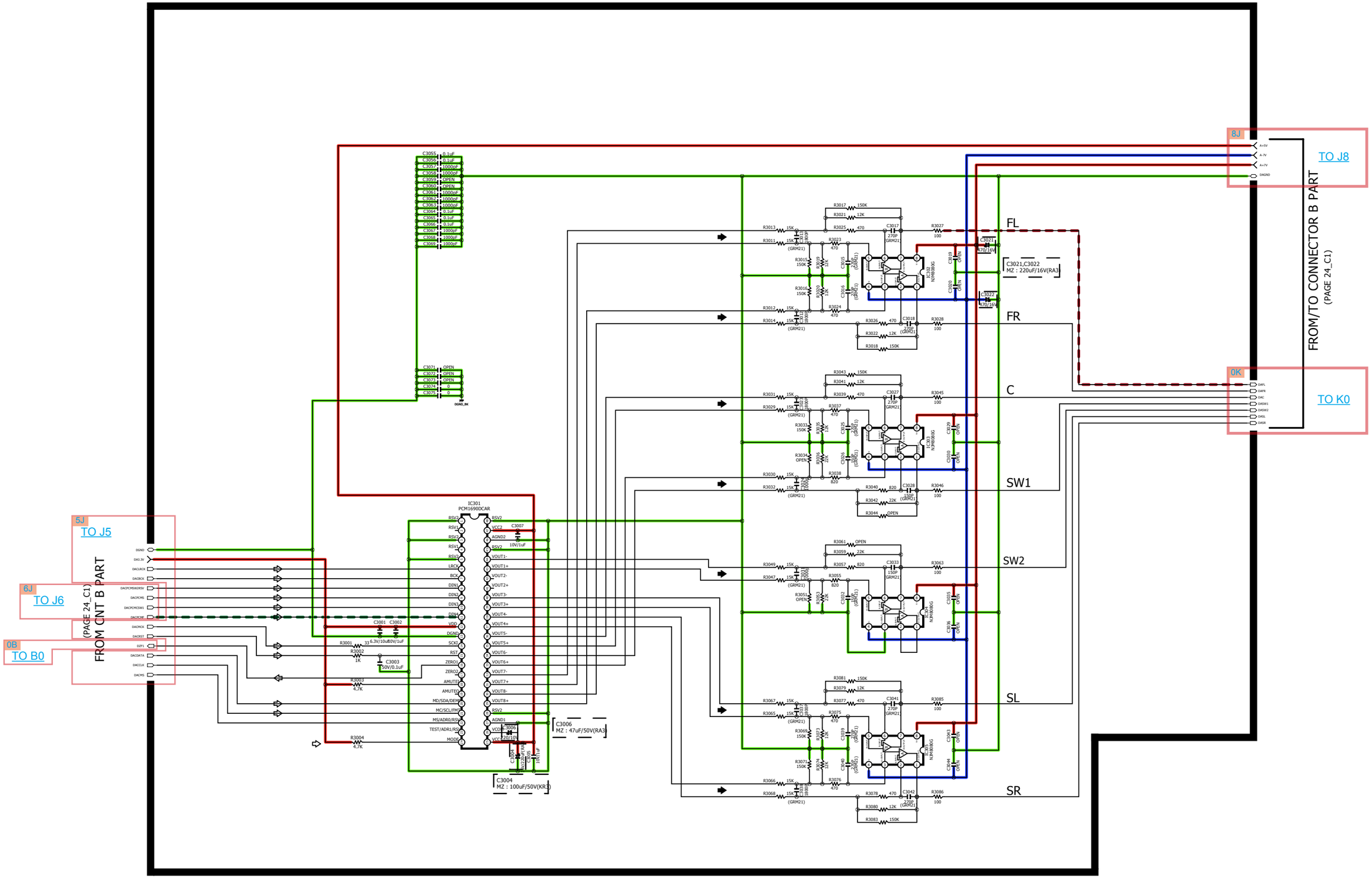
FROM/TO SPK PART
PAGE 22_A6
TO CN25D

FROM/TO MAIN DAC 1/2 PART
PAGE 25/26_B6_C1

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

SCHEMATIC DIAGRAMS (28/38)

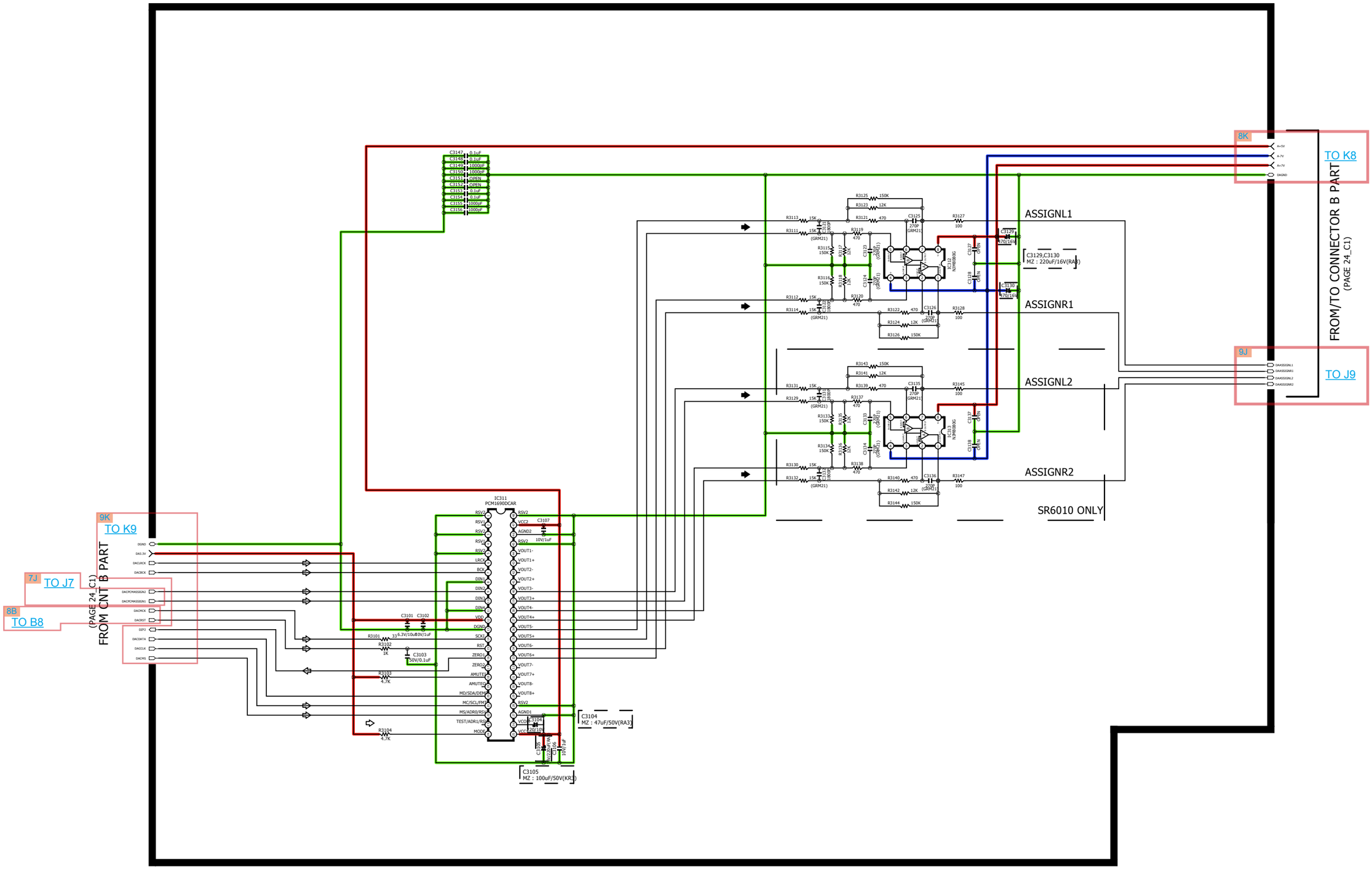
SCH28_FRONT CNT



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

SCHEMATIC DIAGRAMS (29/38)

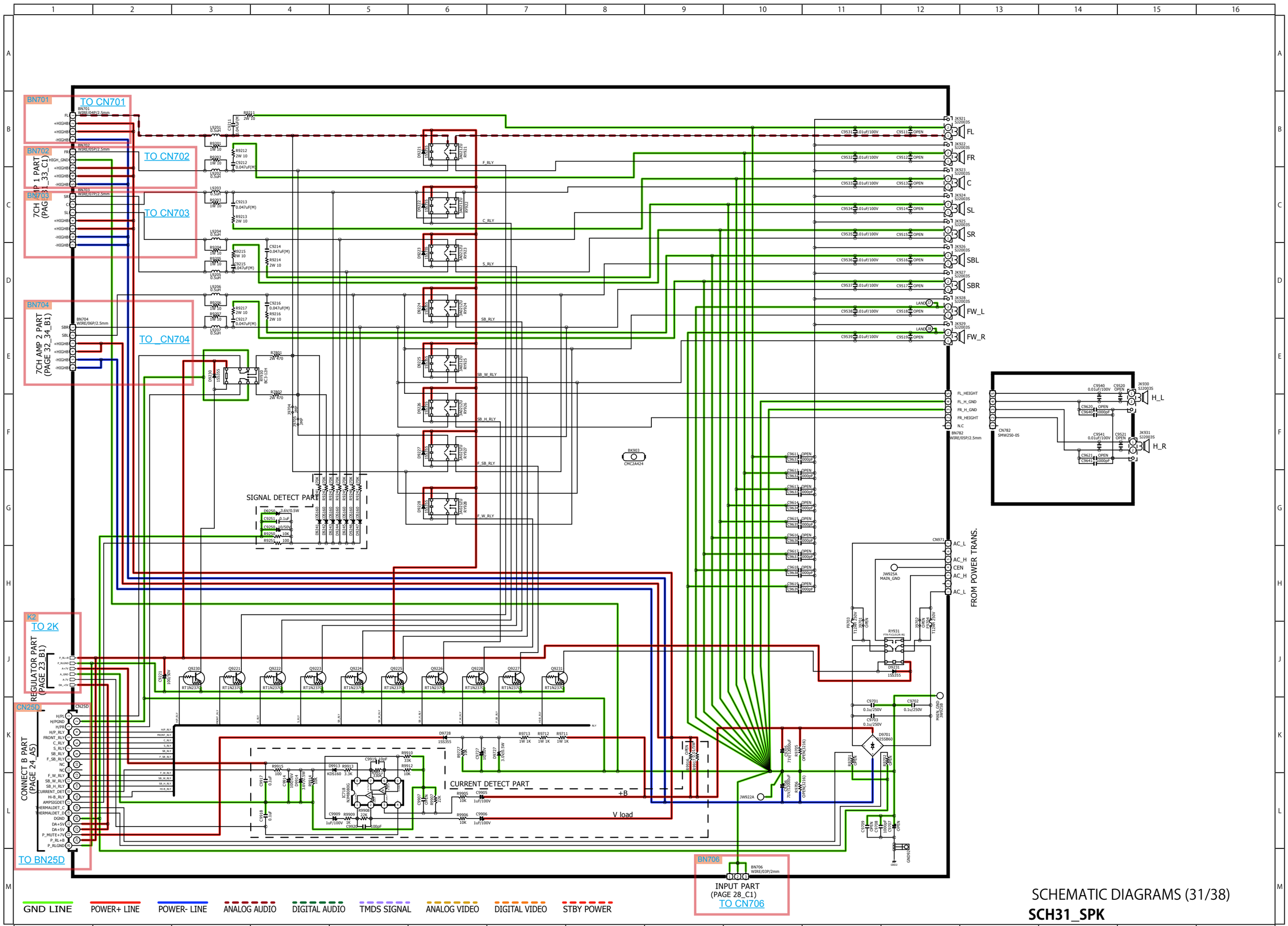
SCH29_MAIN DAC1



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

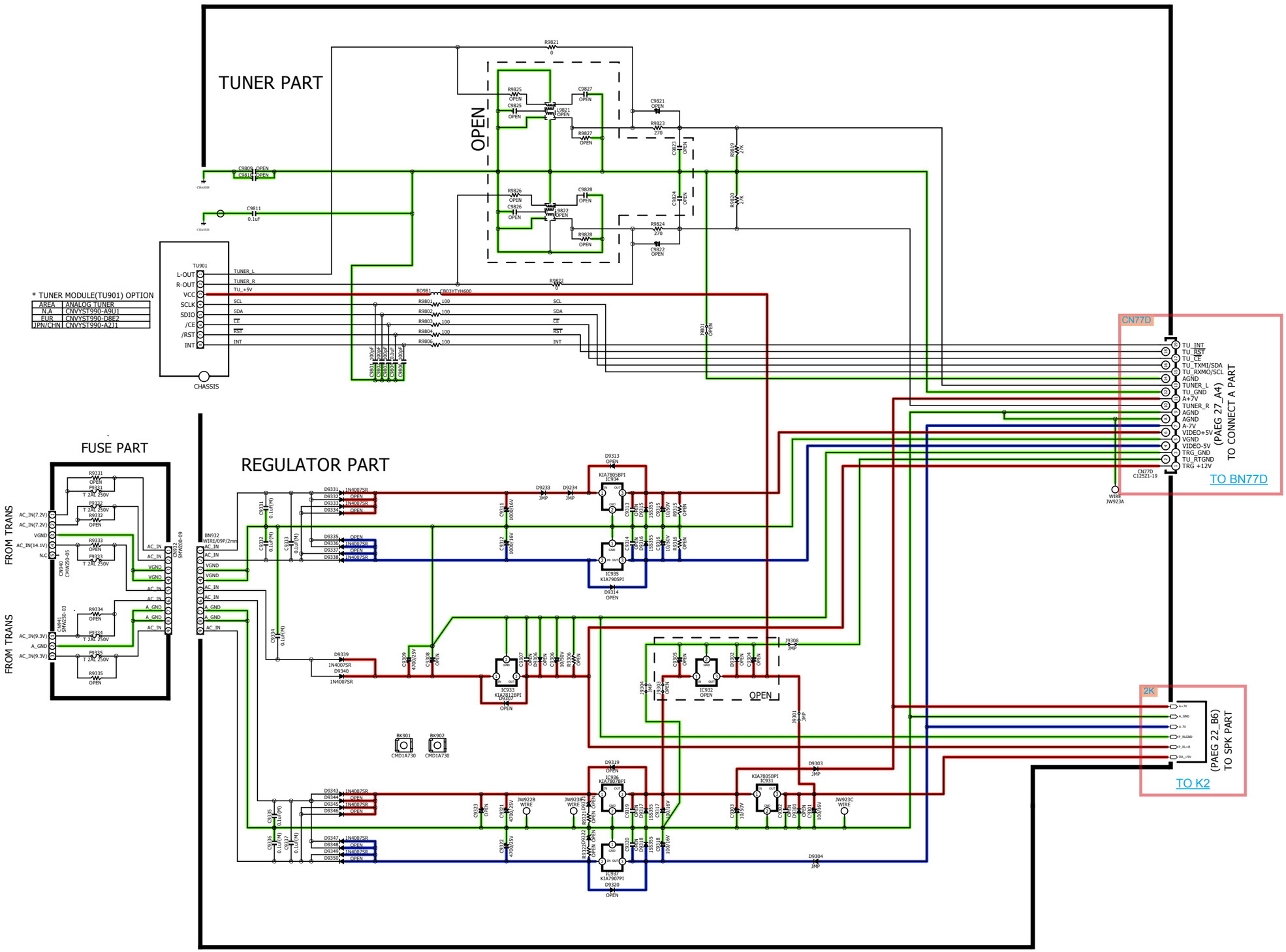
SCHEMATIC DIAGRAMS (30/38)

SCH30_MAIN DAC2



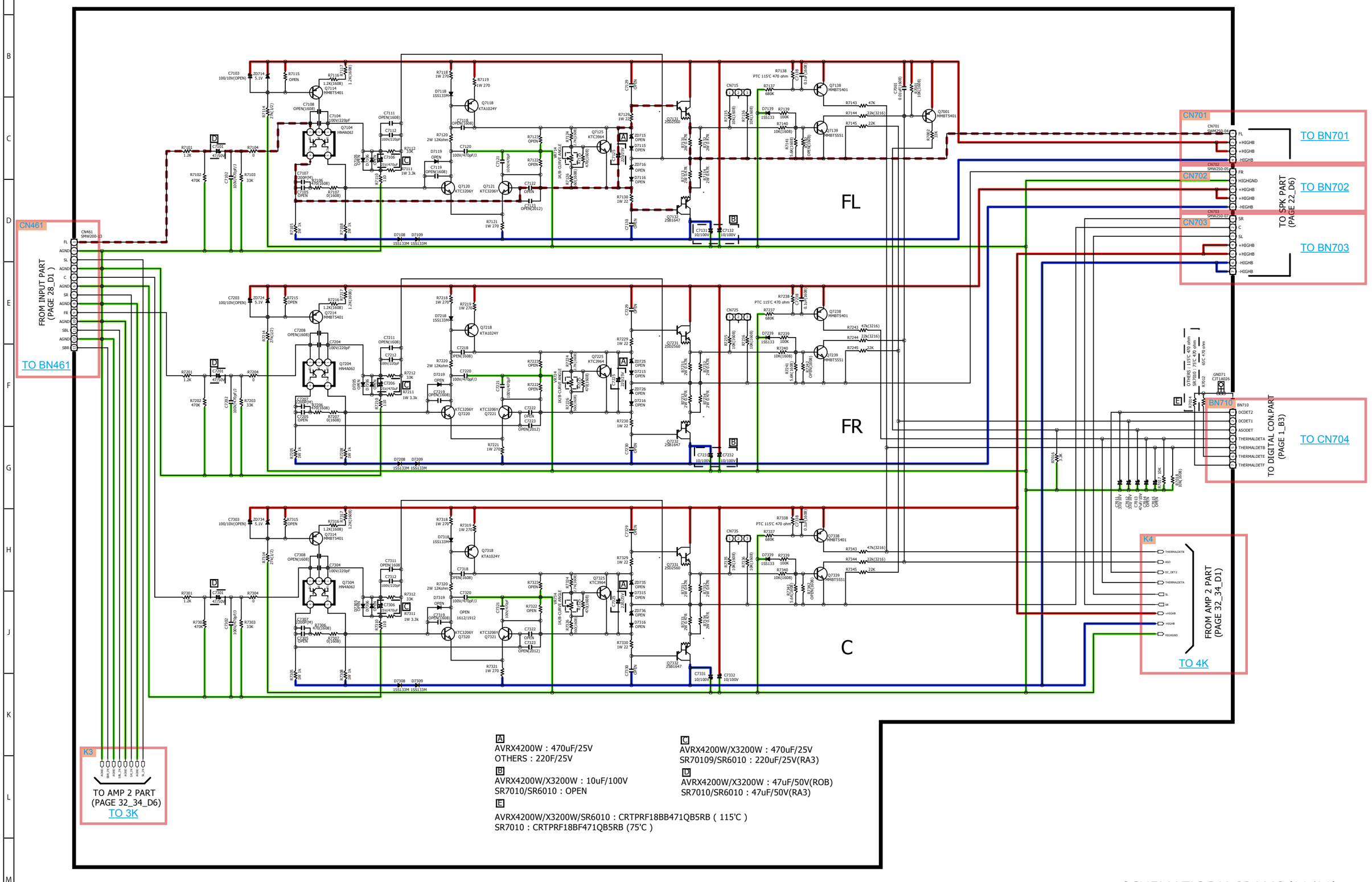
SCHEMATIC DIAGRAMS (31/38)

SCH31_SPK



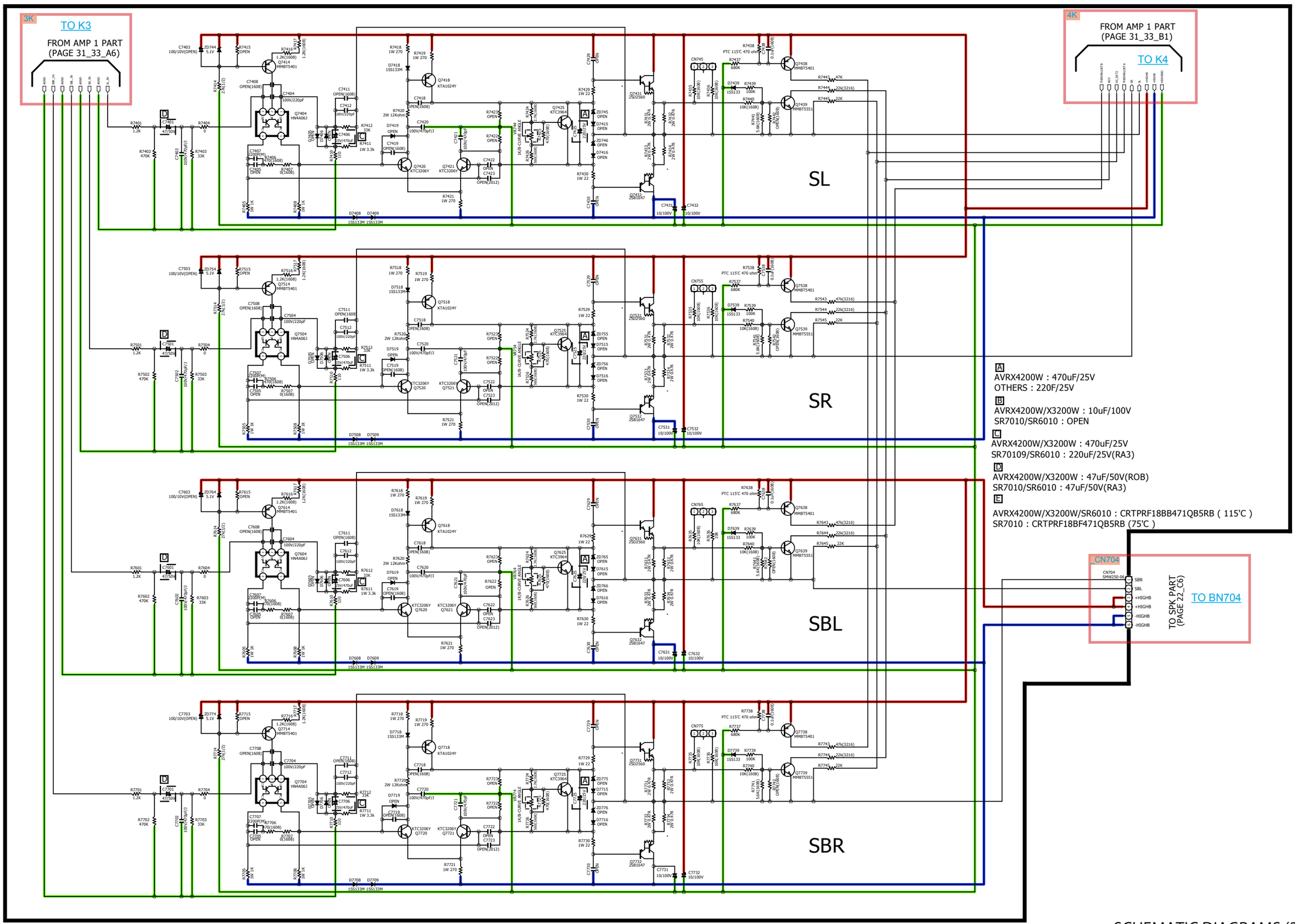
SCHEMATIC DIAGRAMS (32/38)

SCH32_REGULATOR & TUNER



SCHEMATIC DIAGRAMS (33/38)

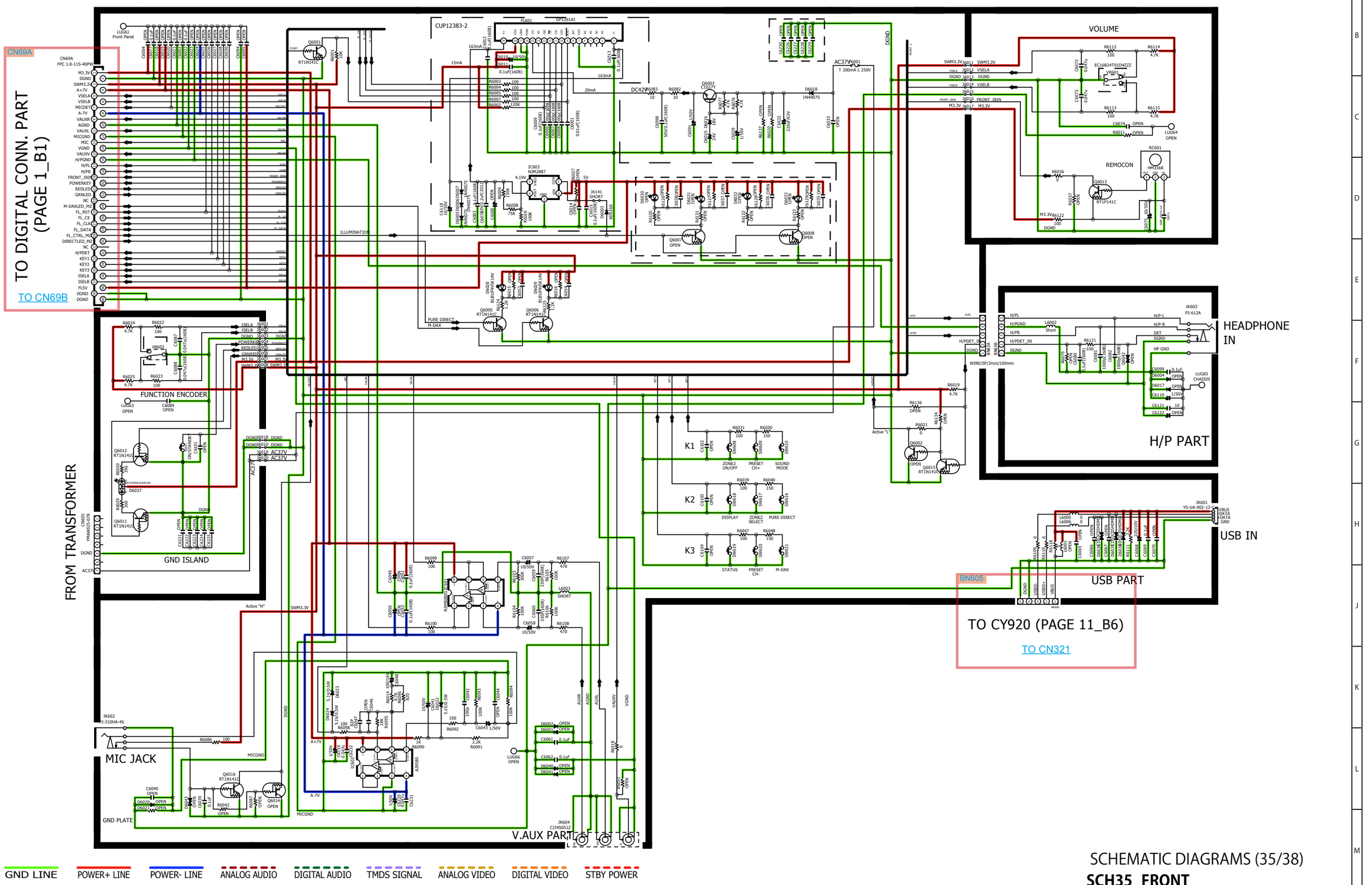
SCH33_7CH AMP 1



SCHEMATIC DIAGRAMS (34/38)

SCH34_7CH AMP 2

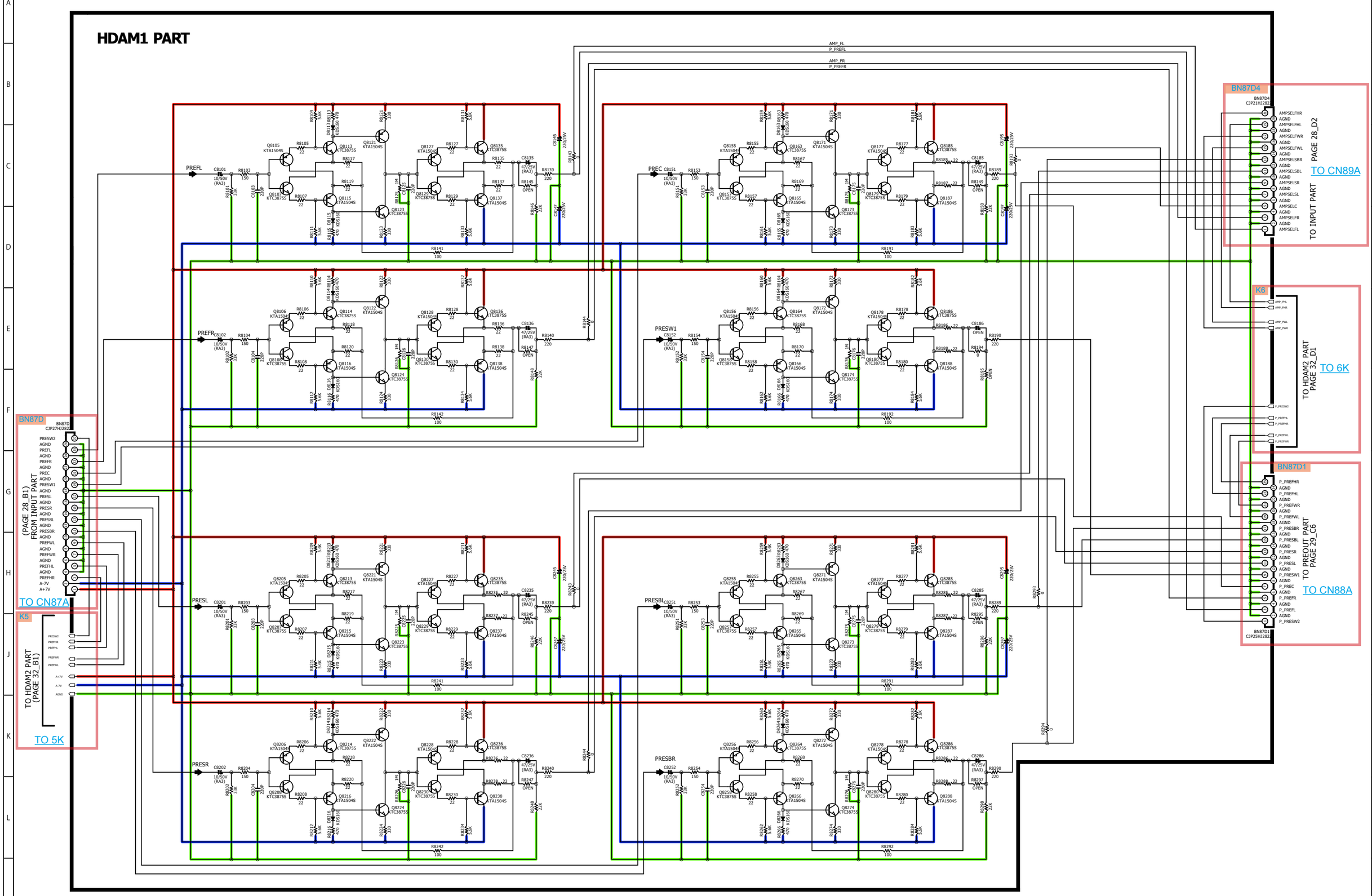
SR6010
FRONT B'D



SCHEMATIC DIAGRAMS (35/38)

SCH35_FRONT

HDAM1 PART



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

SCHEMATIC DIAGRAMS (36/38)

SCH36_HDAM 1

HDAM2 PART

SR6010: OPEN
SR7010: USE

PREFWL
PREFWR
PREFHL
PREFHR
PRESW2

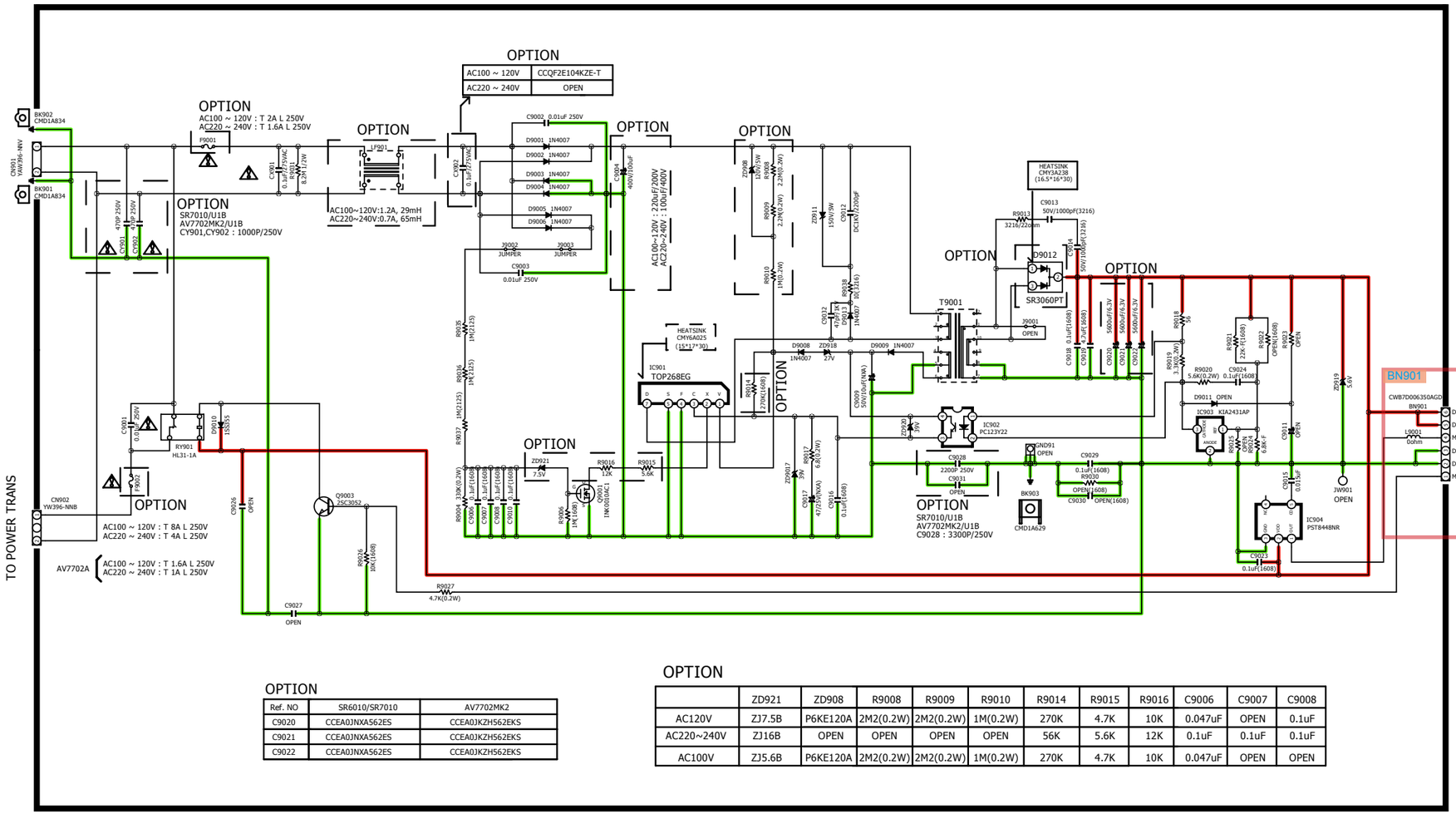
6K
TO HDAM1 PART PAGE 31_C1
TO K6

5K
FROM HDAM1 PART (PAGE 31_B1)
TO K5

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

SCHEMATIC DIAGRAMS (37/38)
SCH37_HDAM 2

SMPS PART



OPTION

Ref. NO	SR6010/SR7010	AV7702MK2
C9020	CCEA0JNXA562ES	CCEA0JKZH562EKS
C9021	CCEA0JNXA562ES	CCEA0JKZH562EKS
C9022	CCEA0JNXA562ES	CCEA0JKZH562EKS

OPTION

	ZD921	ZD908	R9008	R9009	R9010	R9014	R9015	R9016	C9006	C9007	C9008
AC120V	ZJ7.5B	P6KE120A	2M2(0.2W)	2M2(0.2W)	1M(0.2W)	270K	4.7K	10K	0.047uF	OPEN	0.1uF
AC220~240V	ZJ16B	OPEN	OPEN	OPEN	OPEN	56K	5.6K	12K	0.1uF	0.1uF	0.1uF
AC100V	ZJ5.6B	P6KE120A	2M2(0.2W)	2M2(0.2W)	1M(0.2W)	270K	4.7K	10K	0.047uF	OPEN	OPEN

** IMPORTANT SAFETY NOTICE.
COMPONENT IDENTIFIED BY MARK ⚠ HAVE SPECIAL CHARACTERISICS.
IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS
USE ONLY MANUFACTURER'S SPECIFIED PARTS.
** THE UNIT OF RESISTANCE IS OHM.
K = 1000 OHM. M = 1000KOHM.
** THE UNIT OF CAPACITANCE IS MICROFARAD(uF)
pF = 10^{6}uF
** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANY TIME WITH THE
IMPROVEMENT OF PERFORMANCE.

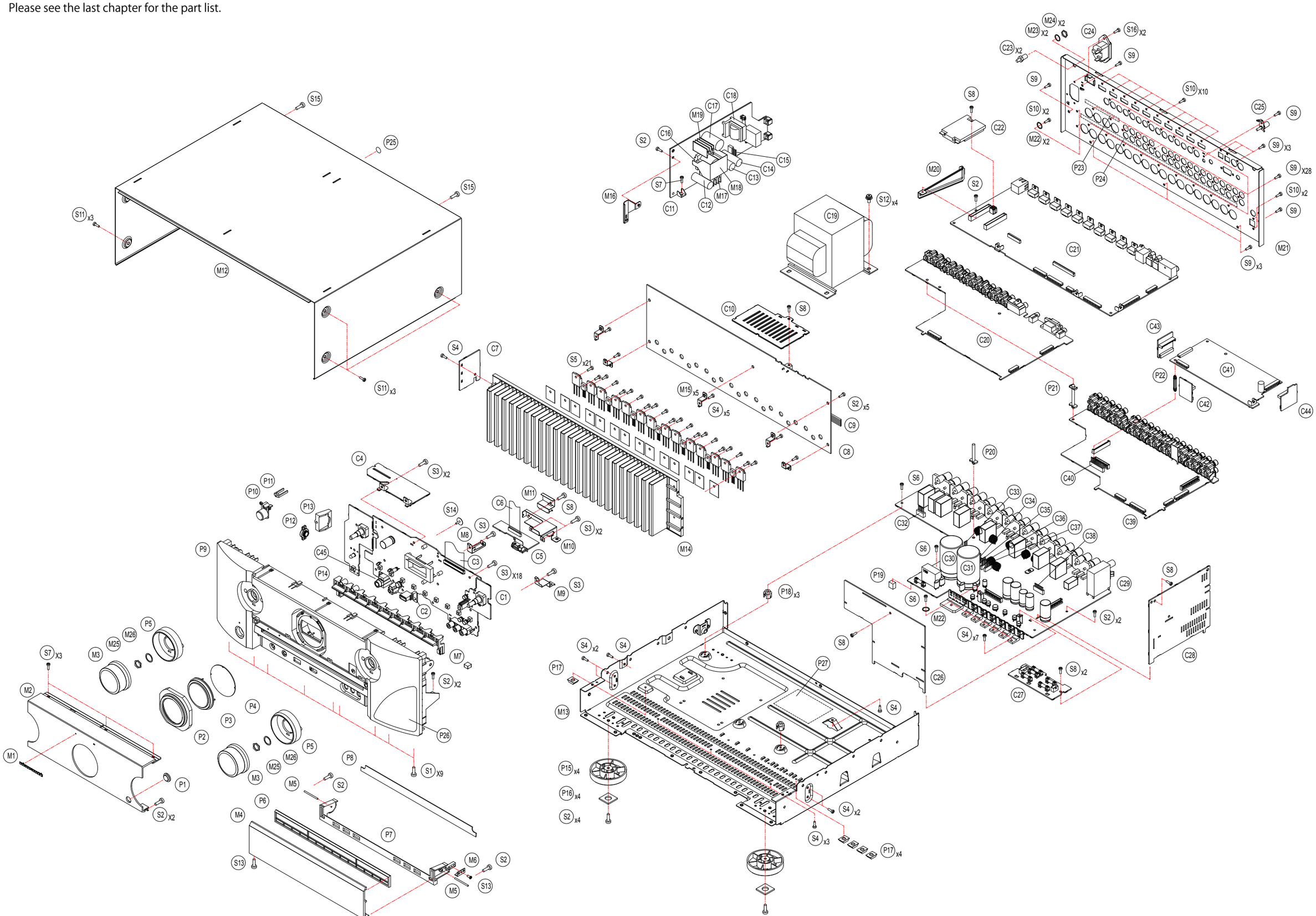
GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (38/38)

SCH38_SMPS

EXPLODED VIEW

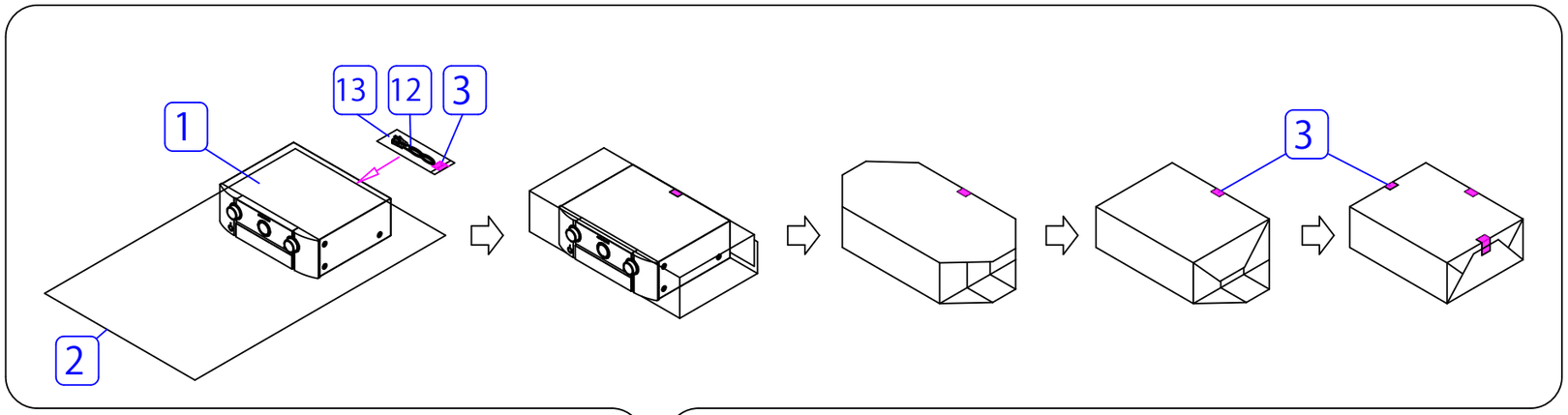
Please see the last chapter for the part list.

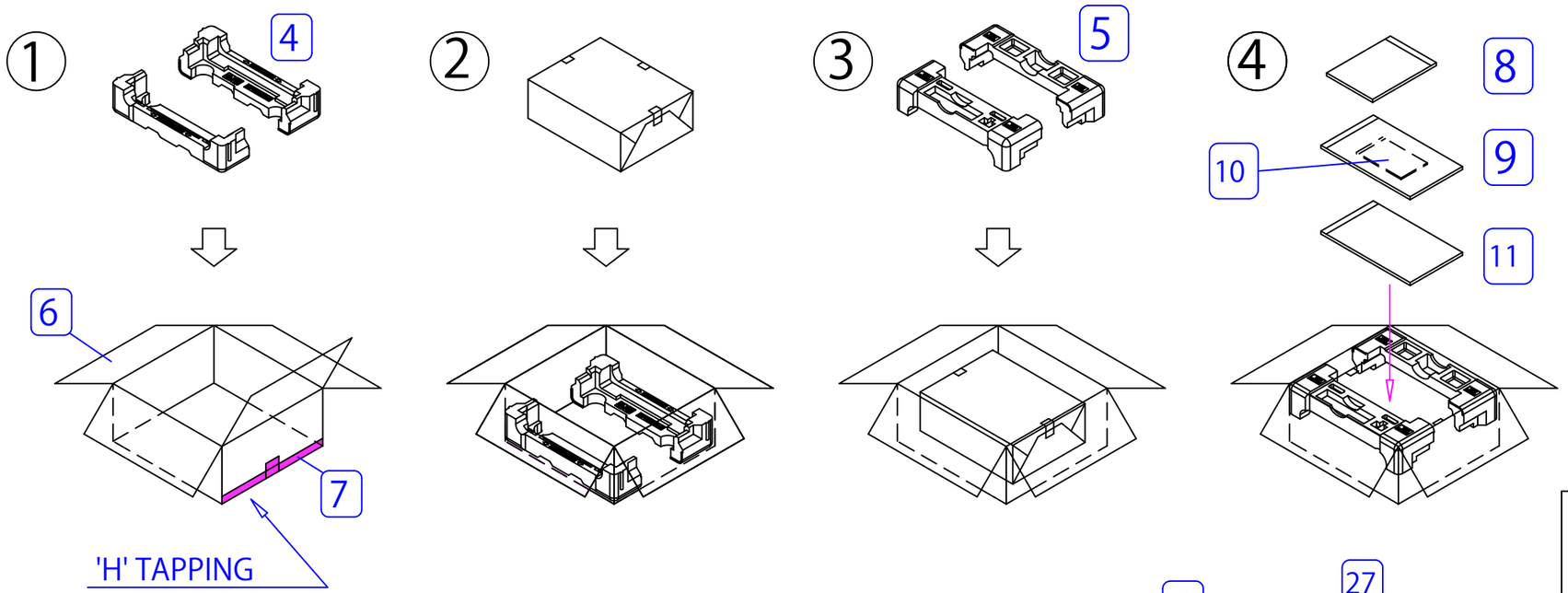


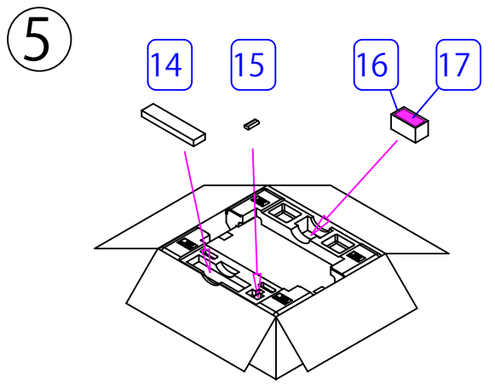
WARNING:
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

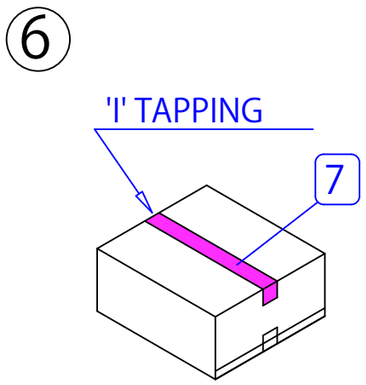
PACKING VIEW

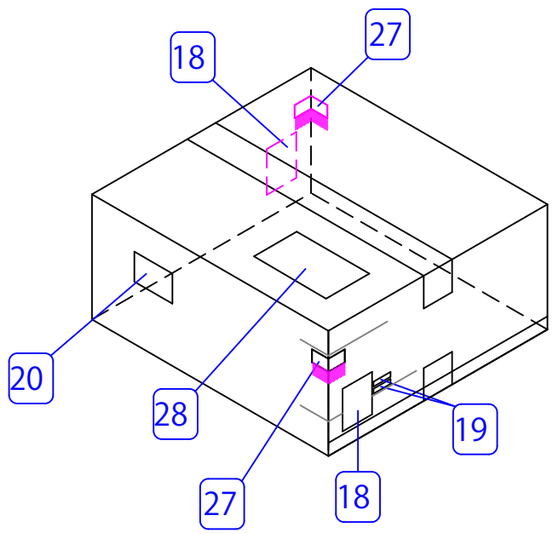
Please see the last chapter for the part list.

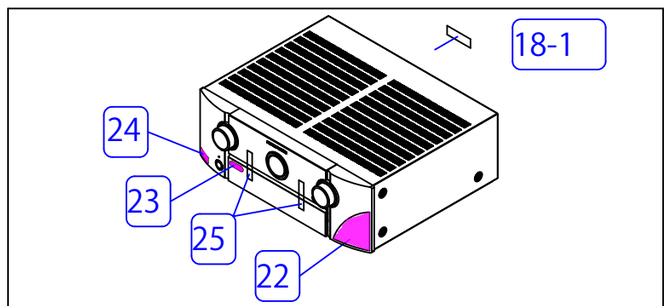


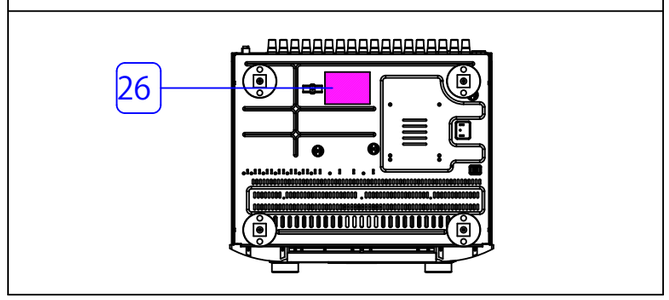










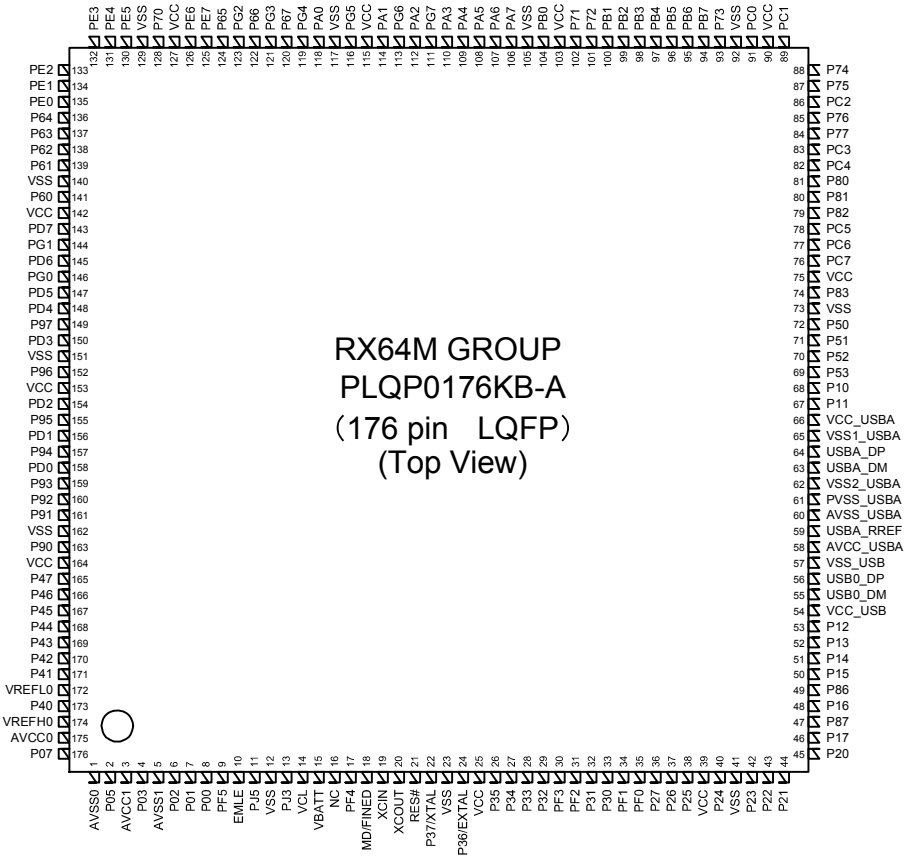


SEMICONDUCTORS

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

1. IC's

R5F564MJCDFC (DIGITAL : IC151)



Terminal Functions

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
1	AVSS0	AVSS0	-		-	-	-	GND
2	P05/IRQ13	POWER KEY	I	M3VPu	I	I	I	POWER KEY (Waiting Mode cancel, interrupt port)
3	AVCC1	AVCC1	-		-	-	-	POWER pin
4	P03/IRQ11	RED LED	O		L/H	L	H	POWER/STANDBY LED control pin (ON:H)
5	AVSS1	AVSS1	-		-	-	-	GND
6	P02/SCK6/IRQ10/AN120	REMOTE POWER(232C) (X2200(NA))/ NC(X2100(EU/CH/AP/ JP)/S910)	O		L	L	L	232C POWER SUPPLY (REMOTE 3.3V) control pin.(ON: H)
7	P01/RXD6/IRQ9/AN119	RXD MI232O	I	Pd	I	I	I	Data received from the external pin(AMX)
8	P00/TXD6/IRQ8/AN118	TXD MO232I	O		L	L	L	Data transfer to external pin(AMX)
9	PF5/IRQ4	WHITE LED(X2200(NA))/ GREEN LED(X2200(EU/CH/ JP)/S910)	O		L	L	L	POWER LED control pin(ON:H)
10	EMLE	NC	I	Pd	-	-	-	Unused
11	PJ5	VSEL A	I		I	I	I	Master Volume rotation detection pin(Rotary encoder)
12	VSS	VSS	-		-	-	-	GND
13	PJ3	VSEL B	I		I	I	I	Master Volume rotation detection pin(Rotary encoder)
14	VCL	VCL	I		-	-	-	Smoothing capacitor connection pin
15	VBATT	VBATT	-		-	-	-	POWER pin
16	NC	NC	I	Pd	-	-	-	NC(Pull down)
17	TRST#/PF4	NC	I/I	Pd	I/I	I/I	I/I	Unused

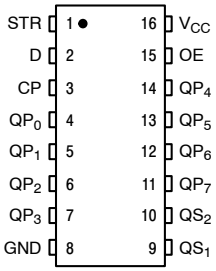
Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
18	MD/FINED	NC	I	M3VPu	I	I	I	Unused
19	XCIN	XCIN	I	Pd	-	-	-	NC(Pull down)
20	XCOUT	XCOUT	I		-	-	-	NC(open)
21	RES#	RESET	I		-	-	-	Reset input
22	XTAL/P37	XTAL	I		-	-	-	Oscillator connection(12MHz)
23	VSS	VSS	-		-	-	-	GND
24	EXTAL/P36	EXTAL	-		-	-	-	Oscillator connection(12MHz)
25	VCC	VCC	-		-	-	-	POWER pin
26	UPSEL/P35(IN)/NMI	DSP FLAG3	I	Pd	I	I	I	DSP control pin
27	P34/SCK6/SCK0/IRQ4	BDOWN	I		I	I	I	Power failure detection pin
28	P33/TIOCD0/RXD6/RXD0/ IRQ3-DS	RC IN	I		I	I	I	Remote control signal input pin
29	P32/TIOCC0/TXD6/TXD0/ IRQ2-DS	NC	O/I		L/I	L/I	L/I	NC
30	TMS/PF3	NC	I/I	M3VPu	-/I	-/I	I	Unused
31	TDI/PF2/RXD1	NC	I/O/I	M3VPu	-/-/I	-/-/I	I	Unused
32	P31/IRQ1-DS	TU GPO2_INT	I		L	L	L	TUNER control pin
33	P30/RXD1	TU SDIO	I_O	SW3VPu	L	L	L	TUNER control pin
34	TCK/FINEC/PF1/SCK1	NC	I/I/I	M3VPu	-/-/I	-/-/I	I	Unused
35	TD0/TXD1/PF0	NC	O/O/I	M3VPu	-/-/I	-/-/I	I	Unused
36	P27/SCK1	TU SEN	O		L	L	L	TUNER control pin
37	P26/TXD1	TU SCLK	O		L	L	L	TUNER control pin
38	P25/RXD3	TU RST	O	SW3VPu	L	L	L	TUNER control pin
39	VCC	VCC	-		-	-	-	POWER pin
40	P24/SCK3	NC	O		L	L	L	NC
41	VSS	VSS	-		-	-	-	GND
42	P23/TXD3	E SPI CS	O	N3VPu	L	L	L	ETHERNET communication control pin(CY920)
43	P22/SCK0	E SPI CLK	O	N3VPu	L	L	L	ETHERNET communication control pin(CY920)
44	P21/RXD0/IRQ9	E SPI MIEO	I	N3VPu	I	L	I	ETHERNET communication control pin(CY920)
45	P20/TXD0/IRQ8	E SPI MOEI	O	N3VPu	L	L	L	ETHERNET communication control pin(CY920)
46	P17/SCK1/TXD3/IRQ7	E SPI REQ	I	Pd	I	L	I	ETHERNET communication control pin(CY920)
47	P87/TXD10/TIOCA2	NC	O		L/H	L/L	L/H	NC
48	P16/TXD1/RXD3/IRQ6	E RESET	O(ODR)	N3VPu	L	L	L	ETHERNET RESET control pin(CY920)
49	P86/RXD10	PRE Z2 MUTE(X2200)/ NC(S910)	O		L	L	L	ZONE2 PRE OUT MUTE control pin
50	P15/RXD1/SCK3/IRQ5	AEXP STB	O		L	L	L	EXPANDER control pin
51	P14/IRQ4	AEXP OE	O		L	L	L	EXPANDER control pin
52	P13/TXD2/IRQ3	AEXP CLK	O		L	L	L	EXPANDER control pin
53	P12/RXD2/IRQ2	AEXP DATA	O		L	L	L	EXPANDER control pin
54	VCC_USB	VCC_USB	-		-	-	-	POWER pin
55	USB0_DM	USB0_DM	-		-	-	-	NC(open)
56	USB0_DP	USB0_DP	-		-	-	-	NC(open)
57	VSS_USB	VSS_USB	-		-	-	-	GND
58	AVCC_USBA	AVCC_USBA	-		-	-	-	POWER pin
59	USBA_PREF	USBA_PREF	-		-	-	-	NC(open)
60	AVSS_USBA	AVSS_USBA	-		-	-	-	GND
61	PVSS_USBA	PVSS_USBA	-		-	-	-	GND
62	VSS2_USBA	VSS2_USBA	-		-	-	-	GND
63	USBA_DM	USBA_DM	-		-	-	-	NC(open)
64	USBA_DP	USBA_DP	-		-	-	-	NC(open)
65	VSS1_USBA	VSS1_USBA	-		-	-	-	GND
66	VCC_USBA	VCC_USBA	-		-	-	-	POWER pin
67	P11/SCK2/IRQ1	CEC_OUT	O		L	L	-	CEC-D signal output pin
68	P10/IRQ0	CEC_IN	I	SW3VPu	I	I	I	CEC-D signal input pin
69	P53	ADV8003 SPI CS	O		L	L	L	GUI control pin(ADV8003)
70	P52/RXD2	ADV8003 SPI MI	I		L	L	L	GUI control pin(ADV8003)
71	P51/SCK2	ADV8003 SPI CLK	O		L	L	L	GUI control pin(ADV8003)
72	P50/TXD2	ADV8003 SPI MO	O		L	L	L	GUI control pin(ADV8003)
73	VSS	VSS	-		-	-	-	GND
74	P83/SCK10	IP_RST	O	Pd	I	I	L	HDMI ADV8003 RESET control pin
75	VCC	VCC	-		-	-	-	POWER pin
76	UB/PC7/TXD8/IRQ14	NC	I	Pd	-	-	-	Unused
77	PC6/RXD8/IRQ13	AVSDA	I_O	DV3VPu	O/L	O/L	L	VIDEO I2C- ADV8003/ADV7850
78	PC5/SCK8	AVSCL	I_O	DV3VPu	O/L	O/L	L	VIDEO I2C- ADV8003/ADV7850
79	P82/TXD10	DSP MOSI	O	DA3VPu	L	L	L	DSP control pin
80	P81/RXD10	DSP MISO	I	DA3VPu	L	L	L	DSP control pin
81	P80/SCK10	DSP CLK	O	DA3VPu	L	L	L	DSP control pin
82	PC4/SCK5	DSP CS	O	DA3VPu	L	L	L	DSP control pin
83	PC3/TXD5	DSP FLAG0	I	Pd	L	L	L	DSP control pin

Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
84	P77/TXD11	DSP RST	O		L	L	L	DSP reset output pin (Reset : L)
85	P76/RXD11	DSP BUSY	I		L	L	L	DSP control pin
86	PC2/RXD5	DA_POWER	O		L	L	L	DIGITAL AUDIO POWER SUPPLY (DA3.3V) control pin. (ON:H)
87	P75/SCK11	CEC POWER2	O		L	L	L	CEC STANDBY SUPPLY control pin(CEC STANDBY)
88	P74	DSP ROM WRITE	O		L	L	L	DSP ROM rewrite path switching (DSP rewritten during the "H")
89	PC1/SCK5/IRQ12	DAC.PLD ERR	I		L	L	L	PLD ERROR detection pin
90	VCC	VCC	-		-	-	-	POWER pin
91	PC0/IRQ14	H/P RL	O	-	L	L	L	HEADPHONE RLY control pin
92	VSS	VSS	-		-	-	-	GND
93	P73	FRONT RL	O	-	L	L	L	SPEAKER RELAY control pin
94	PB7/TXD9	HSDA	I/O	CEC3VPu	L	L	L	HDMI I2C- MN864788
95	PB6/RXD9	HSCL	I/O	CEC3VPu	L	L	L	HDMI I2C- MN864788
96	PB5/SCK9	JTAG TDO	I		L	L	L	A.PLD rewriting pin(JTAG)
97	PB4	APLD CS	O		L	L	L	A.PLD control pin
98	PB3/SCK4/SCK6	APLD DATA/DAC DATA	O		L	L	L	Audio PLD Control I/F / DAC Control
99	PB2	APLD CLK/DAC CLK	O		L	L	L	Audio PLD Control I/F / DAC Control
100	PB1/TXD4/TXD6/IRQ4-DS	DAC MS	O		L	L	L	DAC Control (AK4458VN)
101	P72	DAC RST	O		L	L	L	DAC Control (AK4458VN)
102	P71	PRE MUTE	O	-	L	L	L	PRE OUT MUTE control pin
103	VCC	VCC	-		-	-	-	POWER pin
104	PB0/RXD4/RXD6/IRQ12	DA POWER2	O		L	L	L	DIGITAL AUDIO POWER SUPPLY (DA1.0V) control pin. (ON:H)
105	VSS	VSS	-		-	-	-	GND
106	PA7	ISEL A	I		I	I	I	Input Selector rotation detection pin(Rotary encoder)
107	PA6	ISEL B	I		I	I	I	Input Selector rotation detection pin(Rotary encoder)
108	PA5	C/S RL	O		L	L	L	SPEAKER RELAY control pin
109	PA4/TXD5/SSDA5/IRQ5-DS	EEPROM SDA	O	M3VPu	I	I	I	EEPROM control pin
110	PA3/RXD5/SSCL5	EEPROM SCL	I_O	M3VPu	I	I	I	EEPROM control pin
111	TRDATA3/PG7	VOL CLK	O		L	L	L	FUNCTION / VOLUME control pin(BD34703KS2)
112	PA2/RXD5	VOL DATA	O		L	L	L	FUNCTION / VOLUME control pin(BD34703KS2)
113	TRDATA2/PG6	JTAG TMS	O	DA3.3Pu	L	L	L	A.PLD rewriting pin(JTAG)
114	PA1/SCK5/IRQ11	JTAG TDI	O	DA3.3Pu	L	L	L	A.PLD rewriting pin(JTAG)
115	VCC	VCC	-		-	-	-	POWER pin
116	TRCLK/PG5	JTAG TCK	O	PD	L	L	L	A.PLD rewriting pin(JTAG)
117	VSS	VSS	-		-	-	-	GND
118	PA0	H5V DET	I	-	I	I	I	HDMI INPUT 5V (for EDID / HOT PLUG) detection pin
119	TRSYNC/PG4	FL RST	O		L	L	L	VFD control pin
120	P67/IRQ15	FL CE	O		L	L	L	VFD control pin
121	TRDATA1/PG3	FL CLK	O		L	L	L	VFD control pin
122	P66	FL DATA	O		L	L	L	VFD control pin
123	TRDATA0/PG2	SB RL	O		L	L	L	SPEAKER RELAY control pin
124	P65	NC	O		L	L	L	NC
125	PE7/IRQ7/AN105	ASO DET	I	SW3VPu	I	L	I	PROTECTION (ASO)
126	PE6/IRQ6/AN104	DC DET	I	SW3VPu	I	L	I	PROTECTION (DC DET)
127	VCC	VCC	-		-	-	-	POWER pin
128	P70	HIGH B RL	O		L	L	L	HIGH B RELAY control pin
129	VSS	VSS	-		-	-	-	GND
130	PE5/IRQ5/AN103	MAIN POWER	O		L	L	L	MAIN POWER control pin
131	PE4/AN102	CPU POWER	O		L	L	L	CPU INTERFACE POWER SUPPLY (SWM3.3V & SWM5V) control pin (POWER ON: H , CEC ON STANDBY: H)
132	PE3/AN101	E POWER1	O		L	L	L	ETHERNET POWER SUPPLY (NET3.3V) control pin
133	PE2/RXD12/IRQ7-DS/ AN100	E POWER2	O		L	L	L	ETHERNET POWER SUPPLY (NET2.5V) control pin
134	PE1/TXD12	E POWER3	O		L	L	L	ETHERNET POWER SUPPLY (NET1.8V) control pin
135	PE0/SCK12	E POWER4	O		L	L	L	ETHERNET POWER SUPPLY (NET1.2V) control pin
136	P64	D5V POWER	O		L	L	H	DIGITAL POWER SUPPLY (D3.3V) control pin (ON:H)
137	P63	CEC_POWER	O		L	L	※	HDMI CEC POWER SUPPLY control pin (CEC5V,CEC3.3V,CEC1.8V)
138	P62	DV_POWER1	O		L	L	L	Digital VIDEO POWER SUPPLY control pin (DV5V,DV3.3V)
139	P61	DV_POWER2	O		L	L	L	Digital VIDEO POWER SUPPLY control pin (DV1.8V)
140	VSS	VSS	-		-	-	-	GND
141	P60	DIR DIN	O		L	L	L	DIR control pin(PCM9211)
142	VCC	VCC	-		-	-	-	POWER pin
143	PD7/IRQ7/AN107	DIR CE	O		L	L	L	DIR control pin(PCM9211)
144	PG1	DIR DOUT	I	DA3.3Pu	I	I	I	DIR control pin(PCM9211)

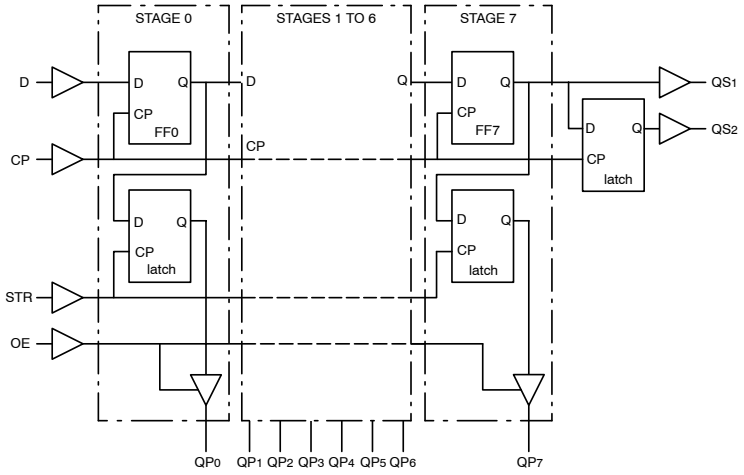
Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
145	PD6/IRQ6/AN106	DIR CLK	O		L	L	L	DIR control pin(PCM9211)
146	PG0	DIR RST	O		L	L	L	DIR control pin(PCM9211)
147	PD5/IRQ5/AN113	788_2_HAINT	I	-	Z		-	HDMI MN864788(RX) Audio INT input pin
148	PD4/IRQ4/AN112	NC	I		I	L	I	Unused
149	P97	DE_RST	O	Pd	Z		L	HDMI ADV7850 RESET control pin
150	PD3/IRQ3/AN111	788_1_HINT	I	-	Z		-	HDMI MN864788(TX) HDMI INT input pin
151	VSS	VSS	-		-	-	-	GND
152	P96	788_1_RST	O	Pd	Z		※	HDMI MN864788(TX) RESET control pin
153	VCC	VCC	-		-	-	-	POWER pin
154	PD2/IRQ2/AN110	788_2_HINT	I	-	Z		-	HDMI MN864788(RX) HDMI INT input pin
155	P95	788_2_RST	O	Pd	Z		※	HDMI MN864788(RX) RESET control pin
156	PD1/IRQ1/AN109	788_3_HINT	I	-	Z		-	HDMI MN864788(RX) HDMI INT input pin
157	P94	788_3_RST	O	Pd	Z		※	HDMI MN864788(RX) RESET control pin
158	PD0/IRQ0/AN108	TX EN	O		L	L	L	Front HDMI INPUT (AD8195) control pin
159	P93/AN117	THERMAL A	I	SW3VPu	I	L	I	HEAT PROTECT-A detection pin(P.TR)
160	P92/RXD7/AN116	THERMAL B	I	SW3VPu	I	L	I	HEAT PROTECT-A detection pin(P.TR)
161	P91/AN115	NC	I	-	I	I	I	NC
162	VSS	VSS	-		-	-	-	GND
163	P90/TXD7/AN114	THERMAL E	I	SW3VPu	I	L	I	HEAT PROTECT-A detection pin(Heat Sink)
164	VCC	VCC	-		-	-	-	POWER pin
165	P47/IRQ15-DS/AN007	788_3_HAINT	I	-	Z		-	HDMI MN864788(RX) Audio INT input pin
166	P46/IRQ14-DS/AN006	CURRENT DET	I/O		I/L	L/L	I/L	AMP CURRENT detection pin
167	P45/IRQ13-DS/AN005	AMPSIGDET	I		I	L	I	AMP SIGNAL detection pin
168	P44/IRQ12-DS/AN004	MODE	I		I	I	I	Destination detection pin
169	P43/IRQ11-DS/AN003	KEY3	I	M3VPu	I	I	I	Button input 3
170	P42/IRQ10-DS/AN002	KEY2	I	M3VPu	I	I	I	Button input 2
171	P41/IRQ9-DS/AN001	KEY1	I	M3VPu	I	I	I	Button input 1
172	VREFL0	VREFL0	-		-	-	-	GND
173	P40	MIC DET	I		I	I	I	MIC detection detection pin
174	VREFH0	VREFH0	-		-	-	-	POWER pin
175	AVCC0	AVCC0	-		-	-	-	POWER pin
176	P07/IRQ15	H/P DET	I		I	I	I	Headphone detection detection pin

MC74HC4094ADR2G (DIGITAL : IC171, IC172, IC173, IC174, IC175) (INPUT : IC898, IC899)

Pin assignment

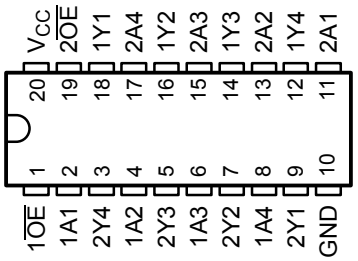


Logic Diagram

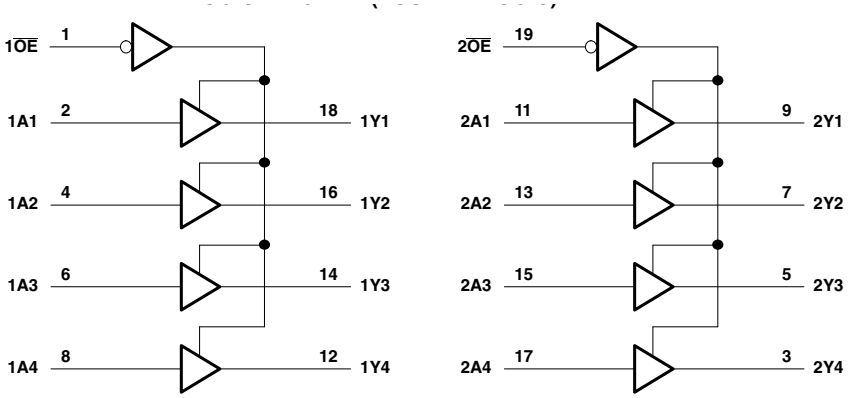


SN74LVC244APWR (DIGITAL : IC191)

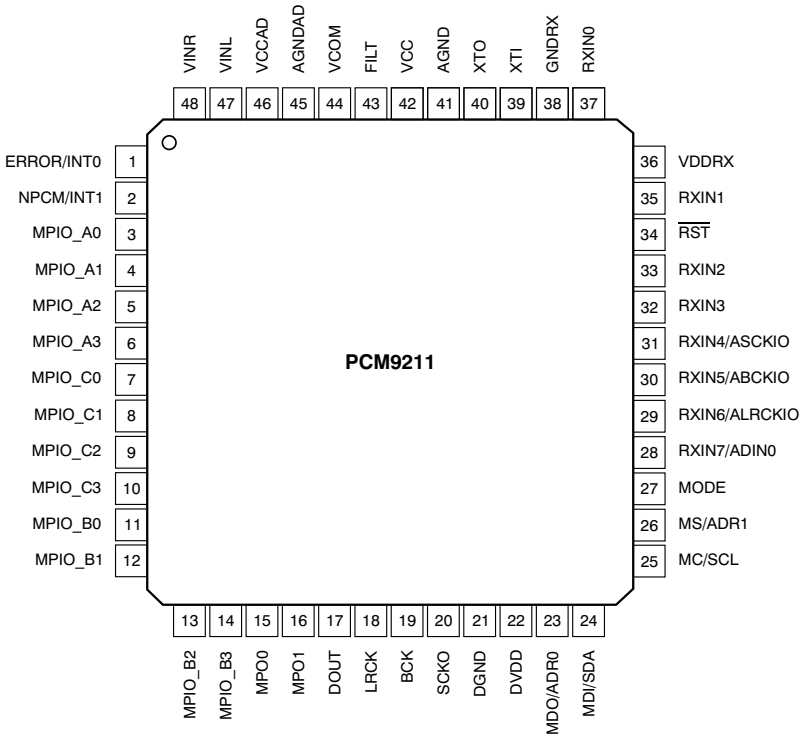
Pin assignment



Block Diagram



PCM9211 (DIGITAL : IC202)



PIN Functions

PIN				DESCRIPTION
NO.	NAME	I/O	5-V TOLERANT	
1	ERROR/INT0	O	No	DIR Error detection output / Interrupt0 output
2	NPCM/INT1	O	No	DIR Non-PCM detection output / Interrupt1 output
3	MPIO_A0	I/O	Yes	Multipurpose I/O, Group A(1)
4	MPIO_A1	I/O	Yes	Multipurpose I/O, Group A(1)
5	MPIO_A2	I/O	Yes	Multipurpose I/O, Group A(1)
6	MPIO_A3	I/O	Yes	Multipurpose I/O, Group A(1)
7	MPIO_C0	I/O	Yes	Multipurpose I/O, Group C(1)
8	MPIO_C1	I/O	Yes	Multipurpose I/O, Group C(1)
9	MPIO_C2	I/O	Yes	Multipurpose I/O, Group C(1)
10	MPIO_C3	I/O	Yes	Multipurpose I/O, Group C(1)
11	MPIO_B0	I/O	Yes	Multipurpose I/O, Group B(1)
12	MPIO_B1	I/O	Yes	Multipurpose I/O, Group B(1)
13	MPIO_B2	I/O	Yes	Multipurpose I/O, Group B(1)
14	MPIO_B3	I/O	Yes	Multipurpose I/O, Group B(1)
15	MPO0	O	No	Multipurpose output 0
16	MPO1	O	No	Multipurpose output 1
17	DOUT	O	No	Main output port, serial digital audio data output
18	LRCK	O	No	Main output port, LR clock output
19	BCK	O	No	Main output port, Bit clock output
20	SCKO	O	No	Main output port, System clock output
21	DGND	–	–	Ground, for digital
22	DVDD	–	–	Power supply, 3.3 V (typ.), for digital
23	MDO/ADR0	I/O	Yes	Software control I/F, SPI data output / I2C slave address setting0(2)
24	MDI/SDA	I/O	Yes	Software control I/F, SPI data input / I2C data input/output(2) (3)
25	MC/SCL	I	Yes	Software control I/F, SPI clock input / I2C clock input(2)
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/ALRCKI0	I	Yes	Biphase signal, input 6 / AUXIN0, LR clock input(2)
30	RXIN5/ABCKI0	I	Yes	Biphase signal, input 5 / AUXIN0, bit clock input(2)
31	RXIN4/ASCKI0	I	Yes	Biphase signal, input 4 / AUXIN0, system clock input(2)
32	RXIN3	I	Yes	Biphase signal, input 3(2)
33	RXIN2	I	Yes	Biphase signal, input 2(2)
34	RST	I	Yes	Reset Input, active low(2) (4)

PIN				DESCRIPTION
NO.	NAME	I/O	5-V TOLERANT	
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

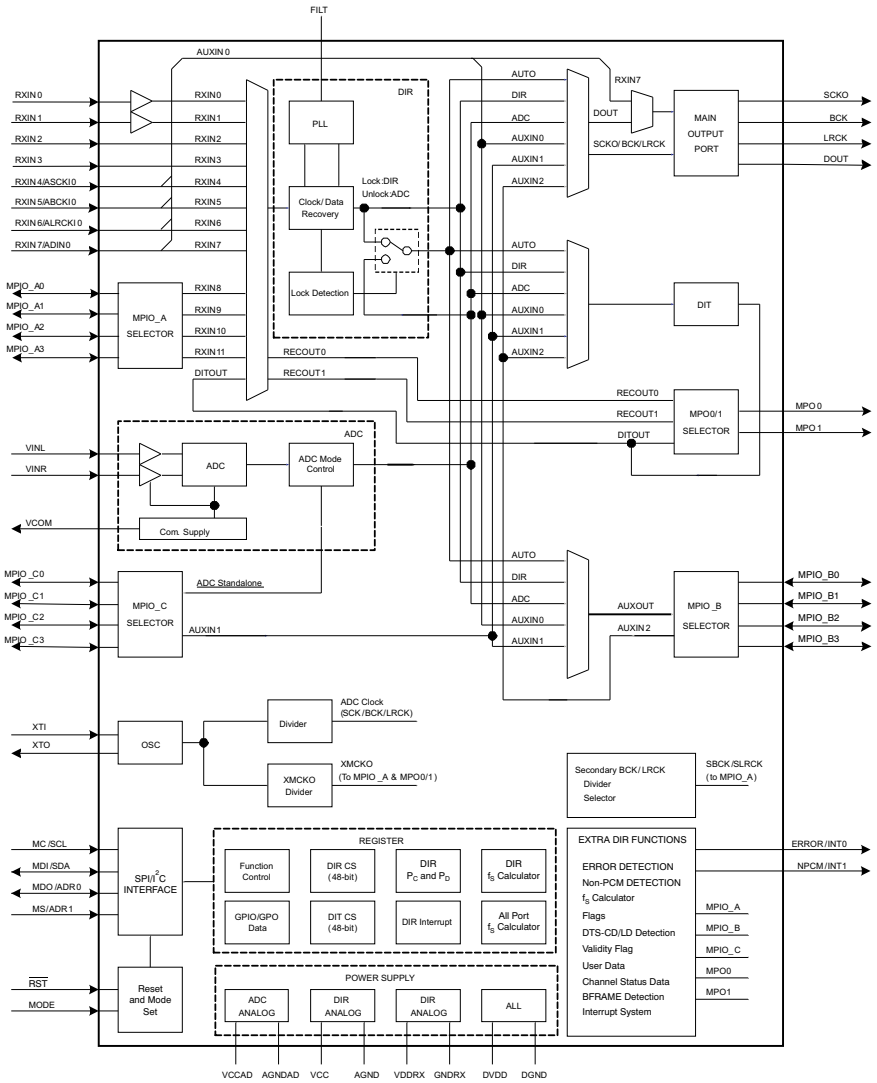
(2) Schmitt trigger input

(3) Open-drain configuration in I2C mode

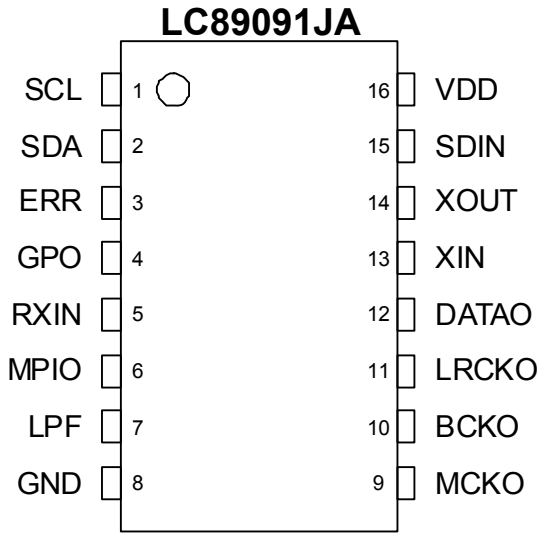
(4) Onboard pull-down resistor (50 kΩ, typical)

(5) CMOS Schmitt trigger input

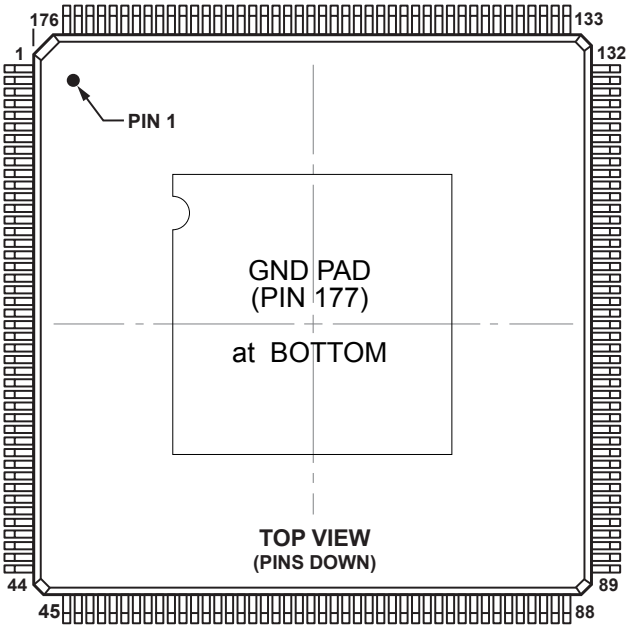
BLOCK DIAGRAM



LC89091JA (DIGITAL : IC203/IC204)



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

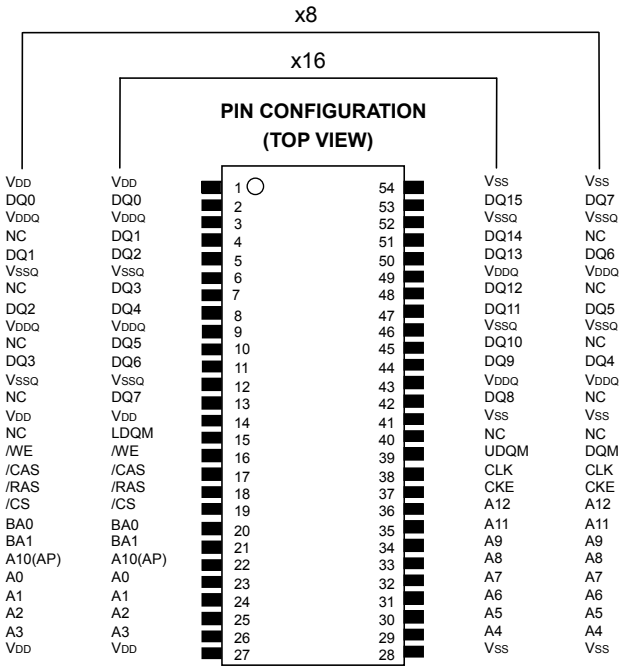


ADSP21487KSWZ3B Terminal Function

Pin Name	Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name	Pin No.
SDDQM	1	V_{DD_EXT}	45	DAI_P10	89	V_{DD_INT}	133
$\overline{MS0}$	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	$\overline{TRST}$	144
ADDR5	13	V_{DD_EXT}	57	DAI_P15	101	NC	145
BOOT_CFG1	14	NC	58	V_{DD_INT}	102	$\overline{EMU}$	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	$\overline{WDTRSTO}$	70	V_{DD_INT}	114	TDI	158
SDA10	27	NC	71	$\overline{MS1}$	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
$\overline{RESETOUT}$/$\overline{RUNRSTIN}$	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	$\overline{SDWE}$	171
DPI_P03	40	V_{DD_EXT}	84	ADDR15	128	$\overline{SDRAS}$	172
V_{DD_INT}	41	V_{DD_INT}	85	V_{DD_INT}	129	$\overline{RESET}$	173
DPI_P05	42	DAI_P06	86	ADDR14	130	TMS	174
DPI_P04	43	DAI_P05	87	$\overline{AMI_WR}$	131	$\overline{SDCAS}$	175
DPI_P06	44	DAI_P09	88	$\overline{AMI_RD}$	132	V_{DD_INT}	176
						GND	177*

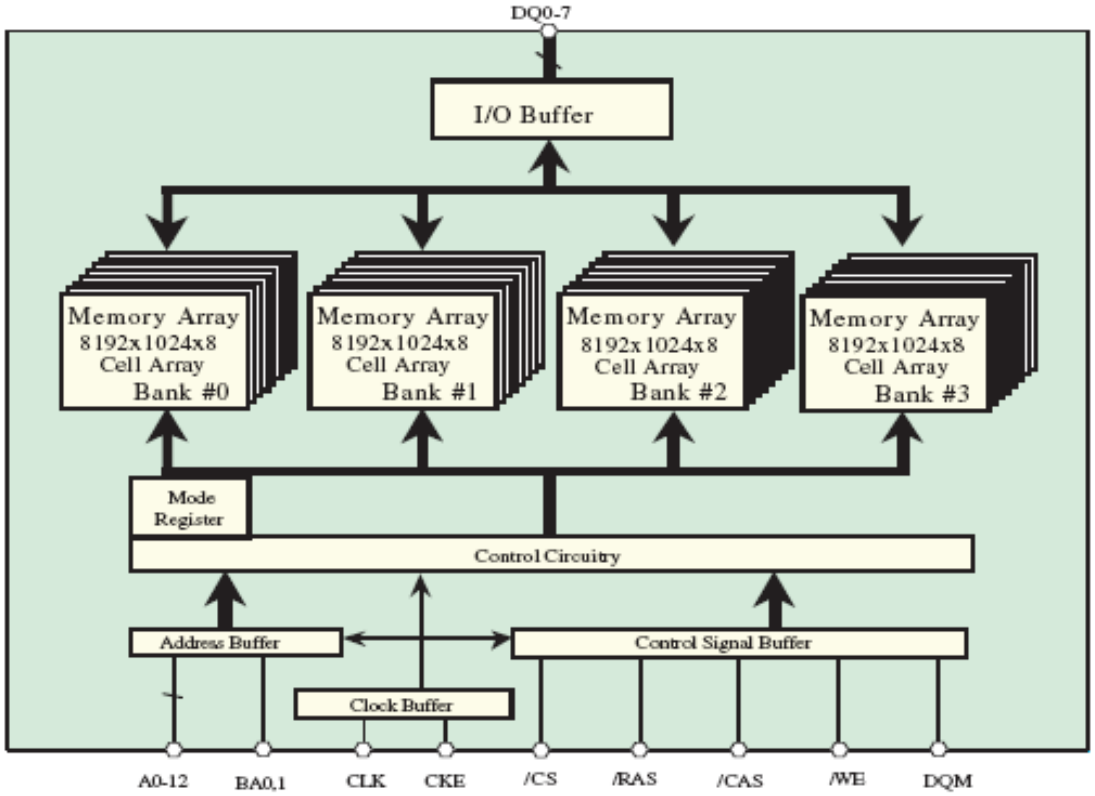
* at BOTTOM

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

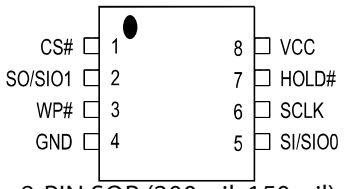


CLK	: Master Clock	DQM	: Output Disable / Write Mask (A3V56S30GTP)
CKE	: Clock Enable	U,L DQM	: Output Disable / Write Mask (A3V56S40GTP)
/CS	: Chip Select	A0-12	: Address Input
/RAS	: Row Address Strobe	BA0,1	: Bank Address
/CAS	: Column Address Strobe	VDD	: Power Supply
/WE	: Write Enable	VDDQ	: Power Supply for Output
DQ0-7	: Data I/O (A3V56S30GTP)	VSS	: Ground
DQ0-15	: Data I/O (A3V56S40GTP)	VSSQ	: Ground for Output

Block Diagram

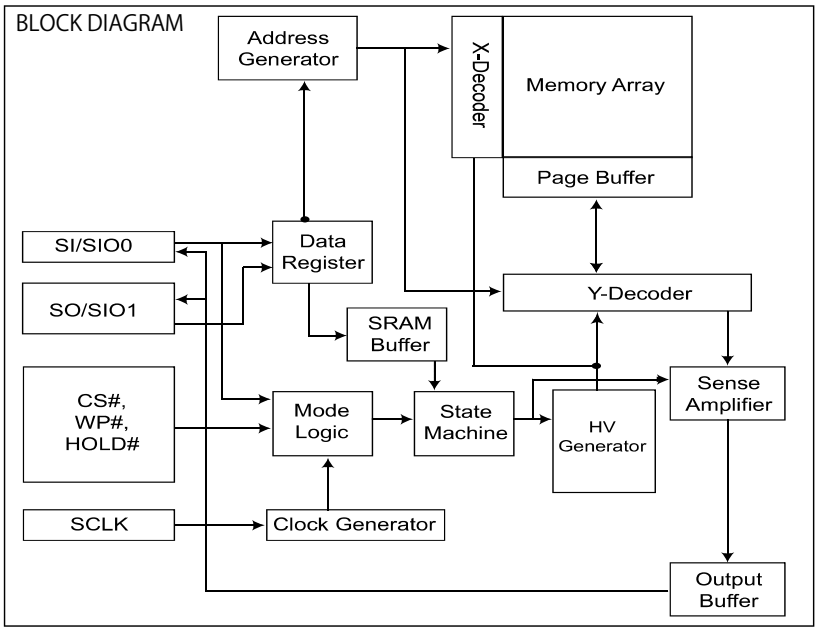


MX25L1606EM2I-12G (DIGITAL : IC254 / IC264 / IC273 / IC283)



8-PIN SOP (200mil, 150mil)

MX25L1606EM2I-12G Block Diagram



PCM5100 (DIGITAL : IC321/IC322)

PCM510X (top view)

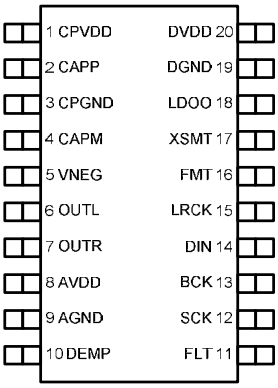


Table 2. TERMINAL FUNCTIONS, PCM510x

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^2S (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

Block Diagram

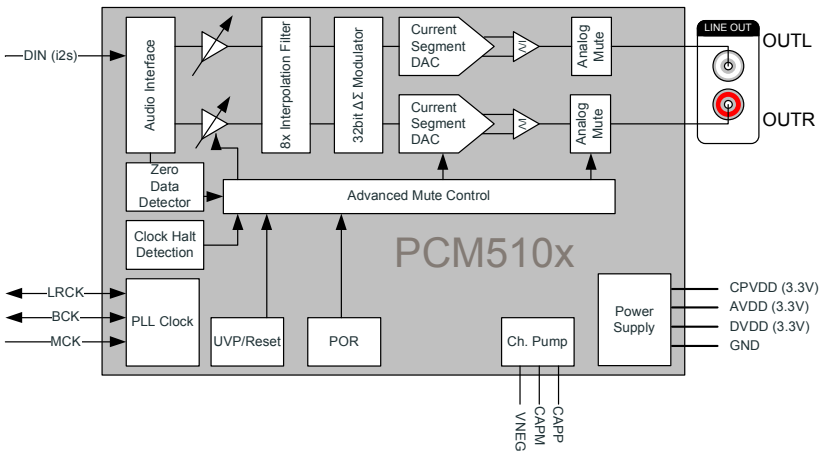
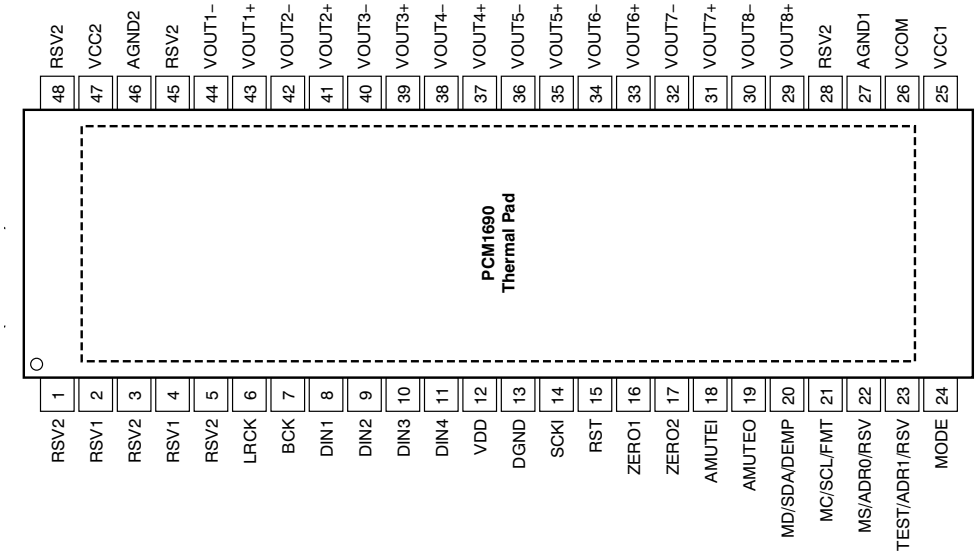


Figure 1. PCM510x Functional Block Diagram

PCM1690 (FRONT CNT : IC301, IC311)



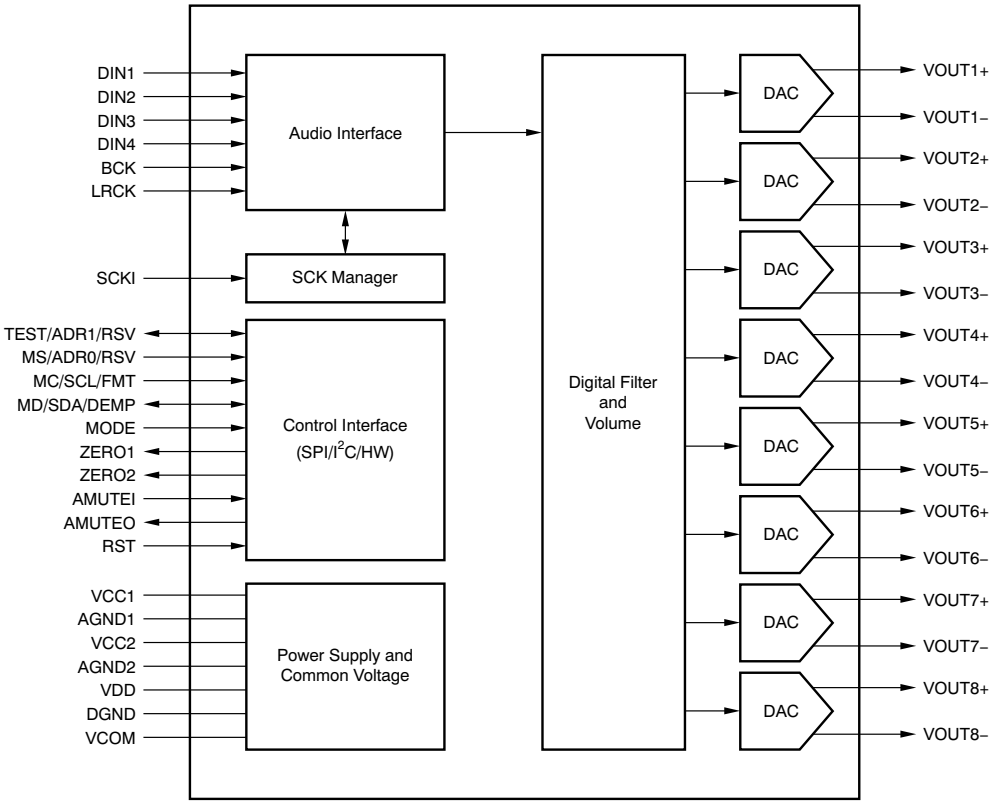
Pin Function

TERMINAL		I/O	PULL-DOWN	5-V TOLERANT	DESCRIPTION
NAME	PIN				
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

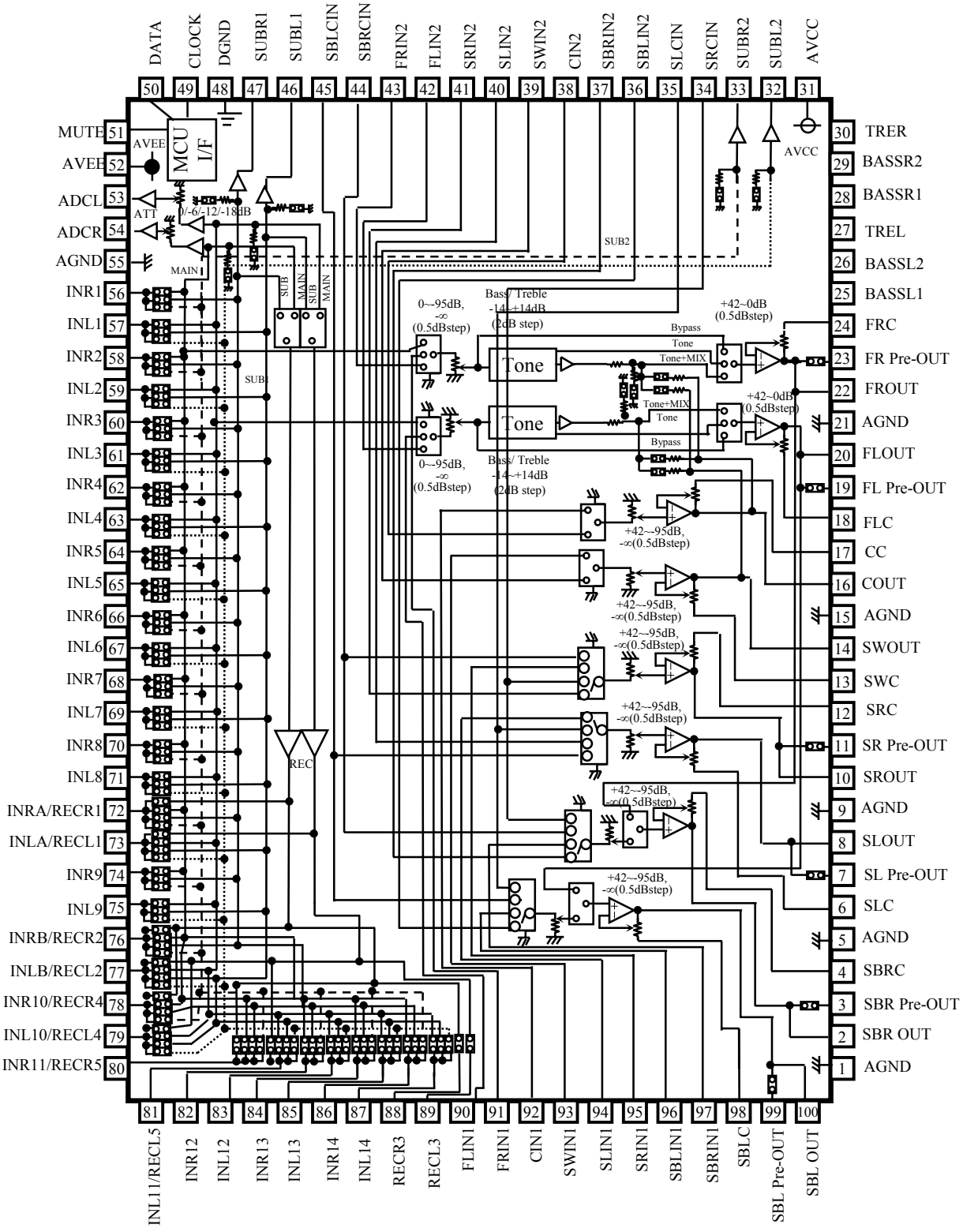
TERMINAL		I/O	PULL-DOWN	5-V TOLERANT	DESCRIPTION
NAME	PIN				
VOUT1+	43	O	No	No	Positive analog output from DAC1
VOUT1-	44	O	No	No	Negative analog output from DAC1
RSV2	45	—	—	—	Reserved, tied to analog ground
AGND2	46	—	—	—	Analog ground 2
VCC2	47	—	—	—	Analog power supply 2, +5 V
RSV2	48	—	—	—	Reserved,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

(1) Open-drain configuration in out mode.

FUNCTIONAL BLOCK DIAGRAM



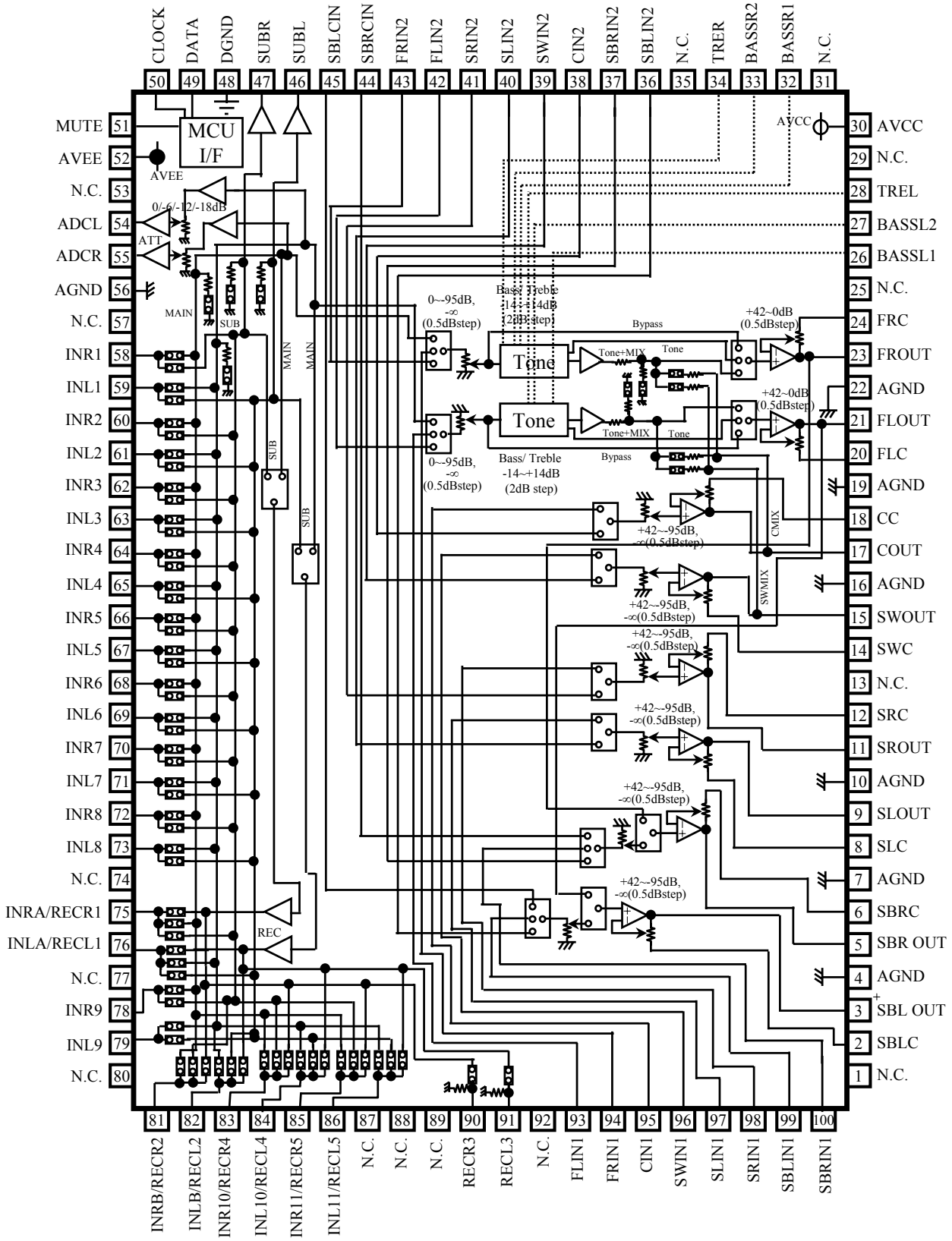
R2A15220FP (INPUT : IC471)



Pin Assignment

PIN No.	Name	Function
22,20, 16,14, 10, 8, 2, 100	FROUT,FLOUT, COUT,SWOUT, SROUT, SLOUT, SBROUT,SBLOUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
23,19, 11, 7, 3, 99	FR Pre-out,FL Pre-out, SR Pre-out, SL Pre-out, SBR Pre-out,SBL Pre-out	Pre-output pin of FL/FR/SL/SR/SBL/SBR channel
24,18, 17,13, 12, 6, 4, 98	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
1,5,9,15, 21,55,98	AGND	Analog ground of internal circuit
27,30	TREL, TRER	Frequency characteristic setting pin of L/R channel tone control (Treble)
25,26, 28,29	BASSL1,BASSL2 BASSR1,BASSR2	Frequency characteristic setting pin of L/R channel tone control (Bass)
31	AVCC	Positive power supply to internal circuit
43,42, 41,40, 39,38, 37,36	FRIN2, FLIN2, SRN2,SLIN2, SWIN2,CIN2, SBRIN2,SBLIN2	Multi Input pin of L/R/C/SW/SL/SR/SBL/SBR channel (Multi IN 1/2)
90,91, 92,93, 94,95, 96,97	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
57,59,61,63, 65,67,69,71, 75,83,85,87	INL1,INL2, INL3,INL4, INL5,INL6,INL7,INL8, INL9,INL12,INL13,INL14	Input pin of L/R channel (Input Selector)
56,58,60,62, 64,6668,70, 74,82,84,86	INR1,INR2, INR3,INR4, INR5,INR6,INR7,INR8, INR9,INR12,INR13,INR14	
51	MUTE	Outside Mute Control PIN
44,45 34,35	SBRCIN,SBLCIN SRCIN,SLCIN	3rd Multi Input pin for SBL/SBR/SL/SR channel Volume that is able to swap SBR/SBL with SR/SL
46,47 33,32	SUBL1,SUBR1 SUBL2,SUBR2	Output pin for L/R channel SUB1/SUB2 Output
53,54	ADCL, ADCR	Output pin for L/R channel ADC
88,89	RECR3,RECL3	Output pin for L/R channel REC Output
72,73, 76,77, 78,79 80,81	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

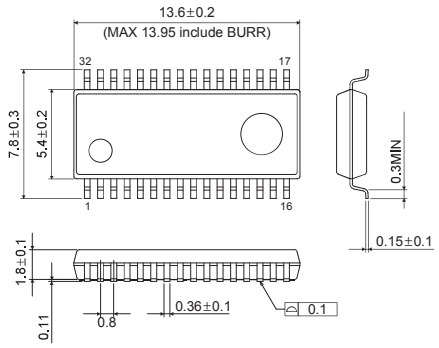
R2A15218FP (INPUT : IC491)



Pin Function

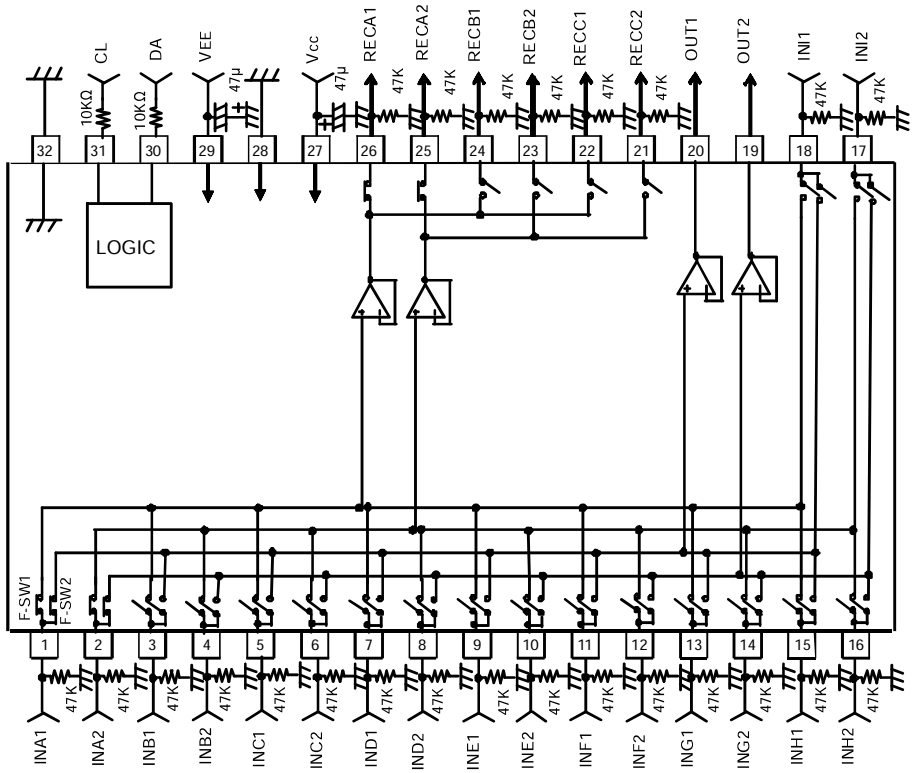
PIN No.	Name	Function
23,21, 17,15, 11,9, 5,3	FROUT,FLOUT, COUT,SWOUT, SROUT, SLOUT, SBROUT,SBLOUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
24,20, 18,14, 12,8, 6,2	FRC,FLC, CC,SWC, SRC,SLC, SBRC,SBLC	Connects capacitor for reducing click noise of L/R/C/SW/SL/SR/SBL/SBR channel volume
4,7,10,16, 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

BD3841FS (INPUT : IC484)

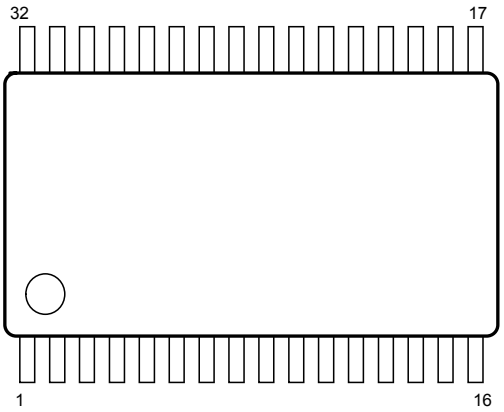


(Unit : mm)

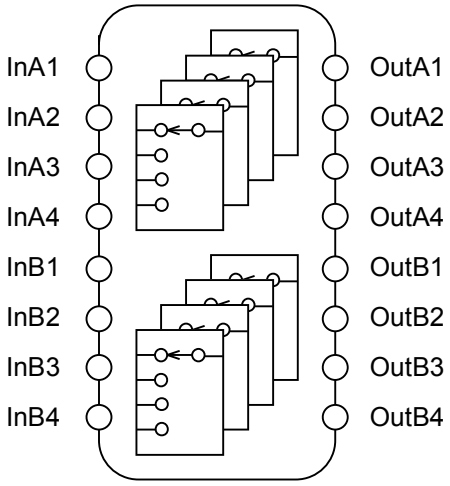
Block diagram



NJU72751V (INPUT : IC871)



Block Diagram

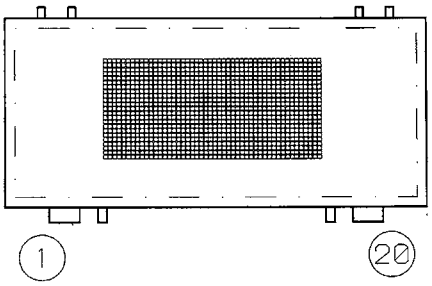


Pin Assignment

No.	Symbol	Function	No	Symbol	Function
1	V+	Power supply (+)	17	CLOCK	Clock signal Input terminal
2	ADR0	Chip address setting terminal 0	18	NC	No connect
3	InA1	Ach Input terminal 1	19	OutB4	Bch Output terminal 4
4	InB1	Bch Input terminal 1	20	OutA4	Ach Output terminal 4
5	NC	No connect	21	NC	No connect
6	InA2	Ach Input terminal 2	22	OutB3	Bch Output terminal 3
7	InB2	Bch Input terminal 2	23	OutA3	Ach Output terminal 3
8	NC	No connect	24	REF_B	Bch Reference Voltage terminal
9	NC	No connect	25	REF_A	Ach Reference Voltage terminal
10	InA3	Ach Input terminal 3	26	OutB2	Bch Output terminal 2
11	InB3	Bch Input terminal 3	27	OutA2	Ach Output terminal 2
12	NC	No connect	28	NC	No connect
13	InA4	Ach Input terminal 4	29	OutB1	Bch Output terminal 1
14	InB4	Bch Input terminal 4	30	OutA1	Ach Output terminal 1
15	REF	Digital block reference voltage terminal	31	ADR1	Chip address setting terminal 1
16	DATA	Control data signal Input terminal	32	V-	Power supply (-)

2. FL DISPLAY

FLD (GP1261AI) (FRONT : FLT4400)

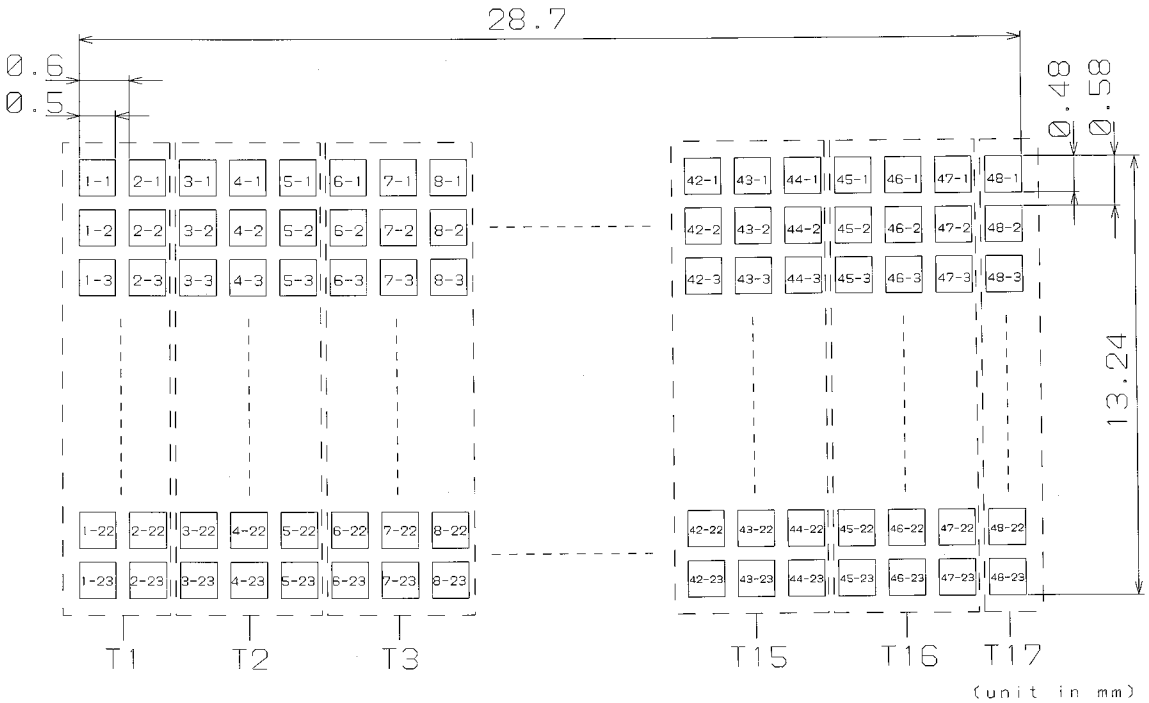


PIN CONNECTION

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

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.

FRONT PCB ASS'Y

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D6003	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D6005-6007	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	3		
	D6015	00D9430087209	DIODE , ZENER ,1/2W, 24V		CVDZJ24BT	1		
	D6016	943202007690S	DIODE , ZENER ,1/2W, 18V		CVDZJ18BT	1		
	D6018	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	1		
	D6022-6024	943202500730S	DIODE , ZENER(5.1V/0.5W, SOD-123)		CVDMM1Z5V1H	3		
	D6028,6029	263010046507S	LED , SUPER RED		CVDBLBUF4V5K1AV	2		
	D6034-6036	963209003510S	DIODE , RELIABLE ESD PROTECTION		CVDCDS3C05HDMI	3		
	D6037	943263100860M	L.E.D,(GREEN/RED 3PI)		CVDWEJ3290W-R2H	1		
	IC601	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	IC602	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)		CVIAZ4580MTR-E1	1		
	IC603	963231101200S	I.C, REGULATOR(ADJ/TO-252)		CVINJM2887DL3	1		
	Q6001	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q6003	943219006820S	T.R		CVTKTC1027YT	1		
	Q6005,6006	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q6011,6012	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q6013	943215500020S	T.R,RT1P141C(10K-10K)		CVTRT1P141C	1		
	Q6015,6016	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	RESISTOR GROUP							
	R6001	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R6002	nsp	RES, CHIP(1608/5%/120Kohm)		CRJ10DJ124T	1		
	R6003-6005	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	3		
	R6007	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6008	nsp	RES, CHIP(1608/5%/75Kohm)		CRJ10DJ753T	1		
	R6009	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R6010	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R6014	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R6018	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R6019	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R6021	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R6022,6023	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R6024,6025	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R6029	nsp	RES, CHIP(1608/5%/300ohm)		CRJ10DJ301T	1		
	R6030	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R6031	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6036	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R6039	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6040	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R6047	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6048	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R6050	nsp	RES, CHIP(1608/5%/390ohm)		CRJ10DJ391T	1		
	R6076,6077	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R6082,6083	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R6086	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6090	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R6091	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1		
	R6092	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6093,6094	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R6095	nsp	RES, CHIP(1608/5%/18Kohm)		CRJ10DJ183T	1		
	R6096	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R6098-6100	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	3		
	R6103-6106	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R6107,6108	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R6109,6110	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R6111	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1		
	R6112,6113	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R6114,6115	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R6118	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R6121,6122	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R6124,6125	nsp	RES, CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	2		
	CAPACIITORS GROUP							
	C6001	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C6003	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6006-6008	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	3		
	C6009	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6010	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6011-6013	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	3		
	C6015	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6021,6022	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C6029	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6032	nsp	CAP , ELECT(63V/100uF)		CCEA1JH101E	1		
	C6039	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6041	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6042	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	1		
	C6043	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6047	nsp	CAP, CHIP(1608, 50V/82pF, C0G)_SAMSUNG		CCUS1H820JAS	1		
	C6048	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C6051,6052	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C6057,6058	nsp	CAP, ELECT(50V/10uF)-S		CCEA1HKS100T	2		
	C6059,6060	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C6061,6062	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C6068	nsp	CAP, ELECT(10V/220uF)-S		CCEA1AKS221T	1		
	C6069	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6072,6073	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R)_SAMSUNG		CCUS1H473KCS	2		
	C6075	nsp	CAP, ELECT(50V/10uF)-S		CCEA1HKS100T	1		
	C6076,6077	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C6078	nsp	CAP, CHIP(2012, 10V/2.2uF, X5R)_SAMSUNG		CCUC1A225KCS	1		
	C6080	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6081,6082	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	2		
	C6087,6088	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R)_SAMSUNG		CCUS1H473KCS	2		
	C6091	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6098,6099	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C6110	nsp	CAP, ELECT(50V/1uF)-S		CCEA1HKS1R0T	1		
	C6118	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6119	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6121	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	C6220	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6231,6232	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R)_SAMSUNG		CCUS1H473KCS	2		
	OTHER PARTS GROUP							
	BK601	nsp	BRACKET , VFD		CMD1A793	1		
	BN605	nsp	WIRE ASS'Y (5P,2.0mm,450mm,UL2725#24/#28,1P+2C)USB		CWB8A005450HC	1		
	BN63A	nsp	WIRE ASS'Y , (5P, 100mm, 2mm PITCH, UL1007, #24)		CWB1C005100CC	1		
	BU601	nsp	SUPPORT , IR		CHG1A533	1		
	CN605	nsp	WAFER/ANGLE/2.5mm/07P		CJP07GB03ZY	1		
	CN69A	nsp	WAFER, FFC(40P-1mm,ANGLE)		CJP40GB284ZN	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
!	F6001	943652500550D	FUSE(372 Series/200mA/TR5)		CBA2D0200A3EYT	1		
	FL601	172010008005S	VFD		CFLGP1261AI	1		
	JK601	943643101590S	JACK, USB STRAIGHT(BLACK 1.5A)		CJJ9X010Z	1		
	JK602	943643102220S	JACK, MONO, 3.5mm, SILVER		CJJ1D004Z	1		
	JK603	90M-YT004500R	JACK, PHONES(6.35mm,SILVER)		CJJ2E026Z	1		
	JK604	943643102980S	JACK, 3P(B/B/B)with S/W, SILVER, VERTICAL		CJJ4S051Z	1		
	JW601,602	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	2		
	L6002,6003	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	L6005,6006	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	LUG61	nsp	WIRE ASS'Y		CWE8202100RV	1		
	LUG65	nsp	WIRE ASS'Y(1P)		CWE8202080RV	1		
	RC601	262010007707S	SENSOR, REMOTE(36.7KHz)		CRVHM336R	1		
	SW608-610	00D9430004402	SW , TACT		CST1A012ZT	3		
	SW616-621	00D9430004402	SW , TACT		CST1A012ZT	6		
	SW623	00D9430004402	SW , TACT		CST1A012ZT	1		
	VR601	943663001560S	ENCODER(16MM, 24PULSES),W/O CLICK		CSR2A047Z	1		
	VR602	943671101000D	ENCODER(16MM, 12PULSES)		CSR2A060Z	1		

SPK PCB ASS'Y

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D9221-9228	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	8		
	D9230,9231	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	2		
	D9233,9234	nsp	WIRE, COPPER(D0.6)		C3A206	2		
	D9241-9247	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	7		
	D9250	943202500720S	DIODE , ZENER(3.6V/0.5W, SOD-123)		CVDMM1Z3V6H	1		
	D9303,9304	nsp	WIRE, COPPER(D0.6)		C3A206	2		
	D9315-9318	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	4		
	D9331	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1		
	D9333	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1		
	D9336	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1		
	D9338-9340	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	3		
	D9343	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1		
	D9345	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1		
	D9347	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1		
	D9349	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1		
	D9701	943206500030S	DIODE , BRIDGE(600V/25A)		CVDD25SB60	1		
	D9727	943202500870S	DIODE , ZENER(3.0V/0.5W, SOD-123)		CVDMM1Z3V0H	1		
	D9728	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D9913	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D9914	943202500720S	DIODE , ZENER(3.6V/0.5W, SOD-123)		CVDMM1Z3V6H	1		
	IC718	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	IC931	943231010390S	I.C,REGULATOR(+5V,T0220IS)		CVIKIA7805BPI	1		
	IC933	943232100370S	I.C,REGULATOR(+12V,TO220)		CVIKIA7812BPI	1		
	IC934	943231010390S	I.C,REGULATOR(+5V,T0220IS)		CVIKIA7805BPI	1		
	IC935	00D2631099006	I.C,REGULATOR(-5V,T0220IS)		CVIKIA7905PI	1		
	IC936	943231101930S	I.C , REGULATOR(+7V,TO-220IS)		CVIKIA7807BPI	1		
	IC937	943231101920S	I.C , REGULATOR(-7V,TO-220IS)		CVIKIA7907PI	1		
	Q9221-9228	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	8		
	Q9230,9231	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	2		
	RESISTOR GROUP							
	R7801,7802	nsp	RES, M-OXIDE FILM(2W/470ohm)		CRG2SANJ471RT	2		
	R9201-9207	nsp	RES, M-OXIDE FILM(1W/10ohm)		CRG1SANJ100RT	7		
	R9211-9217	nsp	RES, M-OXIDE FILM(2W/10ohm)		CRG2SANJ100RT	7		
	R9241-9247	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	7		
	R9250	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R9251	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R9711-9713	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	3		
	R9727	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R9801-9804	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	4		
	R9806	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R9819,9820	nsp	RES, CHIP(1608/5%/27Kohm)		CRJ10DJ273T	2		
	R9821,9822	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9823,9824	nsp	RES, CHIP(1608/5%/270ohm)		CRJ10DJ271T	2		
	R9905,9906	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R9907,9908	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	2		
	R9909	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R9910	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R9911	nsp	RES, CHIP(1608/5%/330Kohm)		CRJ10DJ334T	1		
	R9912	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R9913	nsp	RES, CHIP(1608/5%/3.3Kohm)		CRJ10DJ332T	1		
	R9914	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R9915	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R9917	943129501040S	RES , CEMENT (5W, 0.01 OHM, 5% SMALL SIZE)		CRF5EJR01HS	1		
	CAPACIITORS GROUP							
	C9211-9217	nsp	CAP, MYLAR(50V/0.047uF/J)		HCQI1H473JZT	7		
	C9221	nsp	CAP, ELECT(50V/100uF)		CCEA1HH101T	1		
	C9250	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C9251	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C9301	nsp	CAP, ELECT(16V/100uF)-S		CCEA1CKS101T	1		
	C9303	nsp	CAP, ELECT(50V/10uF)-S		CCEA1HKS100T	1		
	C9306	nsp	CAP, ELECT(50V/10uF)-S		CCEA1HKS100T	1		
	C9309	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	1		
	C9311,9312	00MOA10801620	CAP, ELECT(16V/1000uF)		CCEA1CH102E	2		
	C9315,9316	nsp	CAP, ELECT(50V/10uF)-S		CCEA1HKS100T	2		
	C9317,9318	nsp	CAP, ELECT(16V/100uF)-S		CCEA1CKS101T	2		
	C9321,9322	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	2		
	C9331-9337	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQI1H104JZT	7		
	C9531-9541	nsp	CAP, MYLAR(50V/0.01uF/J)		HCQI1H103JZT	11		
	C9631-9641	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	11		
	C9701-9703	90M-OF100490R	CAP, METAL PE FILM(250V/0.1uF)		KCME2E104JP04T	3		
	C9705,9706	963134010180S	CAP, ELECT(71V/12000uF),35*58L,NICHICON		CCET71VLKS123N	2		
	C9708	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C9727	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C9801-9803	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	3		
	C9804	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C9806	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	1		
	C9811	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C9905,9906	nsp	CAP, ELECT(100V/1uF),85'C Black		CCEA2AH1R0T	2		
	C9909	nsp	CAP, ELECT(100V/1uF),85'C Black		CCEA2AH1R0T	1		
	C9914	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C9917,9918	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C9919	nsp	CAP, CHIP(1608, 50V/10pF, C0G)_SAMSUNG		CCUS1H100JAS	1		
	C9920	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	1		
	OTHER PARTS GROUP							
	BD981	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	BK901,902	nsp	BRACKET, PCB(FUSE)		CMD1A730	2		
	BK903	nsp	PLATE, MAIN PCB		CMC2A424	1		
	BN701	nsp	WIRE ASS'Y LOCKING (4P,2.5MM,220MM,UL1569#20,105)		CWB7E0042203D	1		
	BN702	nsp	WIRE ASS'Y LOCKING (5P,2.5MM,220MM,UL1569#20,105)		CWB7E0052203D	1		
	BN703	nsp	WIRE ASS'Y LOCKING (7P,2.5MM,180MM,UL1569#20,105)		CWB7E0071803D	1		
	BN704	nsp	WIRE ASS'Y LOCKING (6P,2.5MM,300MM,UL1569#20,105)		CWB7E0063003D	1		
	BN706	nsp	WIRE ASS'Y (3P,2.0MM,100MM,UL1569#24,105 degree)		CWB7C003100HC	1		
	BN782	nsp	WIRE ASS'Y LOCKING (5P,2.5MM,100MM,UL1007#20)		CWB1E0051003D	1		
	BN932	nsp	WIRE ASS'Y LOCKING (9P,2.0MM,220MM,UL1007#26)		CWB1B009220HC	1		
	CN25D	nsp	PIN HEADER (25P,1.25mm,STRAIGHT,B-TO-B)		CJP25GI281Z	1		
	CN77D	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1		
	CN782	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1		
	CN932	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/9PIN		CJP09GI288ZY	1		
	CN940	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1		
	CN941	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/3PIN		CJP03GI289ZY	1		
	CN971	nsp	WAFER , 7P(DIP, 3.96PITCH)		CJP07GA90ZY	1		
	F9331-9335	nsp	HOLDER , FUSE		KJCFC5S	5		
!	F9331-9335	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	5		
	F9703,9704	nsp	HOLDER , FUSE		KJCFC5S	2		
!	F9703,9704	943652500530D	FUSE(215 Series, 250V/12A)		CBA2C1202TLHEY	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	GND92	nsp	PLATE , EARTH(TRONIC ELECTRONICS)		CJT1A026	1		
	JK921-931	943643102490M	2P, SCREW SPK(R/B,GOLD,94V-0,Transparence)		CJJ5N025Z	11		
	JW925A	nsp	WIRE ASS'Y (1P, 100mm, BLK, UL1015#20, CKM-T)		CWE7102100TT	1		
	L9201-9207	943115010260S	COIL , SPEAKER(0.5uH)		CLEY0R5KAK	7		
	RY921-928	682010023006S	RELAY,HL3-2A-12S,DC12V,2C1P		CSL3A021ZU	8		
	RY930	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
	RY931	68201003000AS	RELAY, FTR-F1CL012R, DC12V, 2C2P		CSL4A021ZE	1		
	TU901	943183100510S	TUNER , FM(SCREW : F TYPE), AM , SI4730-D60	U	CNVYST990-A9U1	1		
	TU901	943183100640S	TUNER , RDS , FM(PAL TYPE) , AM , SI4731-D60	N	CNVYST990-D8E2	1		

HDAM PCB ASS'Y

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D8113-8116	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	4		
	D8163-8166	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	4		
	D8213-8216	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	4		
	D8263-8266	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	4		
	D8313-8316	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	4		
	D8413	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D8415	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	Q8105,8106	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8107,8108	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8113,8114	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8115,8116	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8121,8122	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8123,8124	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8127,8128	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8129,8130	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8135,8136	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8137,8138	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8155,8156	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8157,8158	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8163,8164	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8165,8166	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8171,8172	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8173,8174	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8177,8178	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8179,8180	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8185,8186	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8187,8188	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8205,8206	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8207,8208	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8213,8214	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8215,8216	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8221,8222	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8223,8224	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8227,8228	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8229,8230	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8235,8236	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8237,8238	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8255,8256	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8257,8258	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8263,8264	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8265,8266	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8271,8272	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8273,8274	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8277,8278	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8279,8280	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8285,8286	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8287,8288	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8305,8306	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8307,8308	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8313,8314	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8315,8316	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8321,8322	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8323,8324	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8327,8328	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8329,8330	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8335,8336	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8337,8338	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8405	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8407	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8413	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8415	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8421	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8423	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8427	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8429	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8435	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8437	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	RESISTOR GROUP							
	R8101,8102	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R8103,8104	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	2		
	R8105-8108	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8109-8112	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8113-8116	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R8117-8120	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8121-8124	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	4		
	R8125,8126	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	2		
	R8127-8130	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8131-8134	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8135-8138	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8139,8140	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8141,8142	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R8143,8144	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8146	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R8148	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R8150	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R8151,8152	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R8153,8154	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	2		
	R8155-8158	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8159-8162	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8163-8166	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R8167-8170	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8171-8174	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	4		
	R8175,8176	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	2		
	R8177-8180	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8181-8184	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8185-8188	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8189,8190	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8191,8192	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R8193,8194	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8201,8202	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R8203,8204	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	2		
	R8205-8208	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8209-8212	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8213-8216	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R8217-8220	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R8221-8224	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	4		
	R8225,8226	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	2		
	R8227-8230	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8231-8234	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8235-8238	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8239,8240	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8241,8242	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R8243,8244	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8246	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R8248	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R8251,8252	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R8253,8254	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	2		
	R8255-8258	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8259-8262	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8263-8266	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R8267-8270	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8271-8274	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	4		
	R8275,8276	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	2		
	R8277-8280	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8281-8284	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8285-8288	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8289,8290	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8291,8292	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R8293,8294	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8296	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R8298	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R8301,8302	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R8303,8304	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	2		
	R8305-8308	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8309-8312	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8313-8316	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R8317-8320	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8321-8324	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	4		
	R8325,8326	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	2		
	R8327-8330	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8331-8334	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	4		
	R8335-8338	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	4		
	R8339,8340	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8341,8342	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R8343,8344	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8346	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R8348	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R8401	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8403	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8405	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8407	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8409	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R8411	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R8413	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8415	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8417	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8419	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8421	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8423	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8425	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8427	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8429	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8431	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R8433	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R8435	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8436	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8437	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8439	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8441	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	CAPACIITORS GROUP							
	C8101,8102	nsp	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	2		
	C8103,8104	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8125,8126	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8135,8136	00D2544569911	CAP, ELECT(25V/47uF,ELNA/RA3,5X11)		CCEA1ERA38P470T	2		
	C8145	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8147	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8151,8152	nsp	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	2		
	C8153,8154	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8175,8176	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8185	00D2544569911	CAP, ELECT(25V/47uF,ELNA/RA3,5X11)		CCEA1ERA38P470T	1		
	C8195	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8197	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8201,8202	nsp	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	2		
	C8203,8204	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8225,8226	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8235,8236	00D2544569911	CAP, ELECT(25V/47uF,ELNA/RA3,5X11)		CCEA1ERA38P470T	2		
	C8245	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8247	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8251,8252	nsp	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	2		
	C8253,8254	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8275,8276	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8285,8286	00D2544569911	CAP, ELECT(25V/47uF,ELNA/RA3,5X11)		CCEA1ERA38P470T	2		
	C8295	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8297	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8301,8302	nsp	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	2		
	C8303,8304	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8325,8326	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C8335,8336	00D2544569911	CAP, ELECT(25V/47uF,ELNA/RA3,5X11)		CCEA1ERA38P470T	2		
	C8345	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8347	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8401	nsp	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8403	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8425	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8445	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8447	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	OTHER PARTS GROUP							
	BK810	nsp	BRACKET , PCB		CMD1A569-V1	1		
	BN87D	nsp	PIN SOCKET (27P,1.25mm,ANGLE,B-TO-B)		CJP27HJ282Z	1		
	BN87D1	nsp	PIN SOCKET (25P,1.25mm,ANGLE, B-TO-B)		CJP25HJ282Z	1		
	BN87D4	nsp	PIN SOCKET (21P,1.25mm,ANGLE, B-TO-B)		CJP21HJ282Z	1		

SMPS PCB ASS'Y

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D9001-9006	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	6		
	D9008,9009	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	2		
	D9010	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D9012	nsp	HEATSINK ASS'Y(CVDFMW-4306 + CMY3A238 + CTW3+10JR)		CVDFMW-4306CDA	1	*	
	D9012-1	nsp	TR HEATSINK		CMY3A238	1		
	D9012-2	nsp	SCREW		CTW3+10JR	1		
	D9012-3	943204500620S	DIODE, SCHOTTKY 60V 30A TO-3P		CVDFMW-4306	1	*	
	D9013	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	1		
	IC901	nsp	HEATSINK ASS'Y(CVITOP268EG+CMD1A942+CMY7A025+ CTB3		CVITOP268EGCHA	1		
	IC901-1	nsp	BRACKET , PWM IC		CMD1A942	1		
	IC901-2	nsp	HEATSINK , TR		CMY7A025	1		
	IC901-3	nsp	SCREW		CTB3+8JR	1		
	IC901-4	943231102350S	I.C , OFF-LINE POWER SWITCH		CVITOP268EG	1		
!	IC902	963239010480S	I.C , PHOTOCOUPLER		CVIPC123Y22FZ0F	1		
	IC903	212050010508S	I.C,SHUNT REGULATOR(TO-92)		CVIKIA2431AP	1		
	IC904	943239100730S	I.C , SYSTEM RESET(4.8V , SOT-25A)		CVIPST8448NR A	1		
	Q9001	943229500110S	F.E.T , INK0010AC1 (N-CH, SC-59, MOSFET, ISAHAYA)		CVTINK0010AC1	1		
	Q9003	943214500020S	T.R,2SC3052		CVT2SC3052	1		
	ZD9017	00D2760762958	DIODE , ZENER ,1/2W, 39V		CVDZJ39BT	1		
	ZD908	943202500850S	TVS DIODE, 120V / 5W	U	CVDP6KE120AT	1		
	ZD911	943202500860S	TVS DIODE, 150V / 5W		CVDP6KE150AT	1		
	ZD918	90M-HD302350R	DIODE , ZENER ,1/2W, 27V		CVDZJ27BT	1		
	ZD919	00D9600095607	DIODE , ZENER ,1/2W, 5.6V		CVDZJ5.6BT	1		
	ZD920	00D2760762958	DIODE , ZENER ,1/2W, 39V		CVDZJ39BT	1		
	ZD921	00D9430196306	DIODE,ZENER,1/2W,7.5V	U	CVDZJ7.5BT	1		
	ZD921	943202000940S	DIODE , ZENER ,1/2W, 16V	N	CVDZJ16BT	1		
	RESISTOR GROUP							
	R9004	nsp	RES, CARBON(1/5W,330Kohm,J)		CRD20TJ334T	1		
	R9006	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R9008,9009	nsp	RES, CARBON(1/5W,2.2Mohm,J)	U	CRD20TJ225T	2		
	R9010	nsp	RES, CARBON(1/5W,1Mohm,J)	U	CRD20TJ105T	1		
	R9013	nsp	RES, CHIP(3216/5%/22ohm)		CRJ14CJ220T	1		
	R9014	nsp	RES, CHIP(1608/5%/270Kohm)	U	CRJ10DJ274T	1		
	R9014	nsp	RES, CHIP(1608/5%/56Kohm)	N	CRJ10DJ563T	1		
	R9015	nsp	RES, CHIP(1608/5%/4.7Kohm)	U	CRJ10DJ472T	1		
	R9015	nsp	RES, CHIP(1608/5%/5.6Kohm)	N	CRJ10DJ562T	1		
	R9016	nsp	RES, CHIP(1608/5%/10Kohm)	U	CRJ10DJ103T	1		
	R9016	nsp	RES, CHIP(1608/5%/12Kohm)	N	CRJ10DJ123T	1		
	R9017	nsp	RES, CARBON(1/5W,6.8ohm,J)		CRD20TJ6R8T	1		
	R9018	nsp	RES, CARBON(1/5W,56ohm,J)		CRD20TJ560T	1		
	R9019	nsp	RES, CARBON(1/5W,3.3Kohm,J)		CRD20TJ332T	1		
	R9020	nsp	RES, CARBON(1/5W,5.6Kohm,J)		CRD20TJ562T	1		
	R9021	nsp	RES, CHIP(1608/1%/22Kohm)		CRJ10DF2202T	1		
	R9024	nsp	RES, CHIP(1608/1%/6.8Kohm)		CRJ10DF6801T	1		
	R9026	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R9027	nsp	RES, CARBON(1/5W,4.7Kohm,J)		CRD20TJ472T	1		
!	R9031	943121501000S	RES , SURGE ,(8.2M OHM, 5%, 1/2W, PRC TYPE)		CRO50TJ825T	1		
	R9035-9037	nsp	RES, CHIP(2012/5%/1Mohm)		CRJ18AJ105T	3		
	R9038	nsp	RES, CHIP(3216/5%/10ohm)		CRJ14CJ100T	1		
	CAPACIITORS GROUP							
!	C9001-9003	963132011940S	CAP, CERAMIC(X1/Y2,0.01uF,AC250V)		CCKDKY103MFM	3		
	C9004	943134503040S	CAP, ELECT(200V/220uF),105'C	U	CCET200NHA221ES	1		
	C9004	963134010200S	CAP , ELECT (400V/100UF, 18X40, NHA)	N	CCET400NHA101ES	1		
	C9006	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R)_SAMSUNG	U	CCUS1H473KCS	1		
	C9006	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG	N	CCUS1H104KCS	1		
	C9007	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG	N	CCUS1H104KCS	1		
	C9008	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C9009	00D9430175108	CAP, ELECT(50V/10uF),105'C		CCEA1HNXA100TS	1		
	C9010	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C9012	943132100600S	CAP, CERAMIC(DC1KV/2200pF)		CCKDDEH222KCM	1		
	C9013,9014	943132100610S	CAP, CHIP(3216, 50V/1000pF)		CCUP1H102KCS	2		
	C9015	nsp	CAP, CHIP(1608, 50V/0.015uF, X7R)_SAMSUNG		CCUS1H153KCS	1		
	C9016	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C9017	00MOA47602520	CAP, ELECT(25V/47uF),105'C		CCEA1ENXA470TS	1		
	C9018	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C9019	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C9020-9022	963134010220S	CAP, ELECT(6.3V/5600uF)		CCEA0JNXA562ES	3		
	C9023,9024	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
!	C9028	963132011930S	CAP, CERAMIC(X1/Y1,2200P,AC250V)		CCKDKX222MEM	1		
	C9029	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C9032	943139500110S	CAP, CHIP(3216, 1KV/47pF, C0G)_SAMSUNG		CCUP3A470JAS	1		
	OTHER PARTS GROUP							
	BK901,902	nsp	BRACKET , PCB M3		CMD1A834	2		
	BK903	nsp	BRACKET , PCB		CMD1A629	1		
	BN901	nsp	WIRE ASS'Y LOCKING (6P,2.5mm,350mm,UL1569#22,105)		CWB7D006350AGD	1		
	CN901	nsp	WAFER, 2P, 3.96mm		CJP02KA060ZY	1		
	CN902	nsp	WAFER, 2P, 7.92mm		CJP02GA89ZY	1		
!	CX901	943139500020S	CAP , POLYPROPYLENE FILM (0.1uF/275VAC)		CCQF2E104KZE-T	1		
!	CY901,902	963134011730S	CAP, CERAMIC(X1/Y1,470P,AC250V)		CCKDKX471KBM	2		
!	F9001	963652010510S	FUSE(S506 Series, 250V,2A)	U	CBA2C2000TLEC	1		
!	F9001	963652010500S	FUSE(S506 Series, 250V,1.6A)	N	CBA2C1600TLEC	1		
!	F9002	90M-FS001220R	FUSE(218Series, 250V/8A)	U	KBA2C8000TLEY	1		
!	F9002	90M-FS001490R	FUSE(218Series, 250V/4A)	N	KBA2C4000TLEY	1		
	F9001,9002	nsp	HOLDER , FUSE		KJCFC5S	2		
	L9001	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
!	RY901	963682010370S	RELAY,HL31-1AT-5H,DC5V,1C1P		CSL1C006ZE	1		
!	T9001	943102100690S	TRANS, SWITCHING		CLT9Z119ZE	1		
!	CX902	943139500020S	CAP , POLYPROPYLENE FILM (0.1uF/275VAC)	U	CCQF2E104KZE-T	1		
!	LF901	943111101290S	LINE FILTER(1.2A,29mH)	U	CLZ9Z176Z	1	*	
!	LF901	943111101300S	LINE FILTER(0.7A,65mH)	N	CLZ9Z177Z	1	*	
	★	nsp	RUBBER , TRANS		CHG1A587	1		

VIDEO PCB ASS'Y

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	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D5211	943202500740D	DIODE , ZENER(16V/0.5W, SOD-123)		CVDMM1Z16H	1		
	D5256	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D5257	90M-HI200020R	INFRARED L.E.D		BVDSIR34ST3F	1		
	D5312	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	IC511	90M-HC109700R	I.C , VIDEO S/W (JRC)		CVINJM2595MTE1	1		
	IC516	963235100630S	I.C , VIDEO SW(3IN,1OUT,SSOP-20P)		CVINJM2586AVC3	1		
	IC521	963239008800S	I.C, RS232 (3.3V)		CVIILX3232DT	1		
	Q5117	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q5211	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q5212	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q5253	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q5311	943215500020S	T.R,RT1P141C(10K-10K)		CVTRT1P141C	1		
	Q5312	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q5313,5314	943215500020S	T.R,RT1P141C(10K-10K)		CVTRT1P141C	2		
	Q5315	943214500020S	T.R,2SC3052		CVT2SC3052	1		
	RESISTOR GROUP							
	R5101-5103	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	3		
	R5113	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5115	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5117	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R5119	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5121	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5151	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5153	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5155	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5157	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5161	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5166	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R5169	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5171	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5173	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5175	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5181	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5183	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5185	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5210	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	1		
	R5211	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R5212	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R5231-5234	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	4		
	R5255	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R5256,5257	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	2		
	R5258	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R5311,5312	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R5313	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R5314	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R5315	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R5316	nsp	RES, CHIP(1608/5%/18Kohm)		CRJ10DJ183T	1		
	R5317	nsp	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1		
	CAPACIITORS GROUP							
	C5106	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C5107	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C5108	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C5109	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C5111-5113	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	3		
	C5121	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C5152	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C5154	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C5156	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C5158	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C5160	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C5162	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C5163-5165	nsp	CAP, CHIP(1608, 50V/68pF, C0G)_SAMSUNG		CCUS1H680JAS	3		
	C5166	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C5167	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C5168-5170	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	3		
	C5171	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C5172-5174	nsp	CAP, CHIP(1608, 50V/68pF, C0G)_SAMSUNG		CCUS1H680JAS	3		
	C5212,5213	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C5214	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C5231	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C5233-5235	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	3		
	C5236	nsp	CAP, ELECT(16V/10uF)-S		CCEA1CKS100T	1		
	C5237	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C5238,5239	nsp	CAP, CHIP(1608, 50V/33pF, C0G)_SAMSUNG		CCUS1H330JAS	2		
	C5251	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C5252	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C5253	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C5256,5257	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C5312	nsp	CAP, CHIP(2012, 10V/4.7uF, Y5V)_SAMSUNG		CCUC1A475ZFS	1		
	C5313	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	OTHER PARTS GROUP							
	BK501,502	nsp	BRACKET , PCB		CMD1A629	2		
	BK503	nsp	BRACKET, SHIELD		CMD1A775	1		
	BN21B	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1		
	BN27B	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1		
	BN28B	nsp	PIN SOCKET (13P,1.25mm,ANGLE, B-TO-B)		CJP13HJ282Z	1		
	JK511	943643103350S	RCA JACK 3P(Y/Y/Y), GOLD PLATE		CJJ4S060Z	1	*	
	JK512	943643103340S	RCA JACK 1P(Y), GOLD PLATE		CJJ4M093Z	1	*	
	JK513-515	943643102510M	RCA JACK 3P(R/B/G), GOLD PLATE		CJJ4S053Z	3		
	JK521	943646100420S	JACK, 9P D-SUB FEMALE(RS-232C)		CJJ9W001Z	1		
	JK523	90M-YT004860R	JACK, STEREO (BLK MOLD)		CJJ2D008Z	1		
	JK526	90M-YT004860R	JACK, STEREO (BLK MOLD)		CJJ2D008Z	1		
	JK531	943646000850S	JACK, 2P RCA(OR/OR)		CJJ4N076Y	1		
	JW505	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	1		
	RC521	262010007707S	SENSOR, REMOTE(36.7KHz)		CRVHM336R	1		

FRONT CNT PCB ASS'Y

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	IC301	943239101080S	I.C , DAC (8CH , HTSSOP-48)		CVIPCM1690DCAR	1		
	IC302-305	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	4		
	IC311	943239101080S	I.C , DAC (8CH , HTSSOP-48)		CVIPCM1690DCAR	1		
	IC312,313	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	2		
	RESISTOR GROUP							
	R3001	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1		
	R3002	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R3003,3004	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3011-3014	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R3015-3018	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	4		
	R3019-3022	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	4		
	R3023-3026	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R3027,3028	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R3029-3032	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R3033	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R3035	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	1		
	R3036	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R3037	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R3038	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R3039	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R3040	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R3041	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	1		
	R3042	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R3043	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R3045,3046	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R3047	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	1		
	R3049	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	1		
	R3053	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R3055	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R3057	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R3059	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R3063	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R3065-3068	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R3069	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R3071	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R3073,3074	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	2		
	R3075-3078	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R3079,3080	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	2		
	R3081	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R3083	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R3085,3086	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R3101	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1		
	R3102	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R3103,3104	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3111-3114	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R3115,3116	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	2		
	R3117,3118	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	2		
	R3119-3122	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R3123,3124	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	2		
	R3125,3126	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	2		
	R3127,3128	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R3129-3132	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R3133,3134	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	2		
	R3135,3136	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	2		
	R3137-3140	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R3141,3142	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	2		
	R3143,3144	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	2		
	R3145	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R3147	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	CAPACIITORS GROUP							
	C3001	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1		
	C3002	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG		CCUS1A105KCS	1		
	C3003	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1		
	C3004	nsp	CAP, ELECT(50V/100uF)		CCEA1HH101T	1		
	C3005	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG		CCUS1A105KCS	1		
	C3006	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3007	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG		CCUS1A105KCS	1		
	C3012,3013	nsp	CAP, CHIP(2012, 50V/1800pF, MURATA GRM21)		CCUMUC1H182JAM	2		
	C3015-3018	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	4		
	C3021,3022	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	2		
	C3023	nsp	CAP, CHIP(2012, 50V/1800pF, MURATA GRM21)		CCUMUC1H182JAM	1		
	C3024	nsp	CAP, CHIP(2012, 50V/1000pF, MURATA GRM21)		CCUMUC1H102JAM	1		
	C3025	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	1		
	C3026	nsp	CAP, CHIP(2012, 50V/150pF, MURATA GRM21)		CCUMUC1H151JAM	1		
	C3027	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	1		
	C3028	nsp	CAP, CHIP(2012, 50V/150pF, MURATA GRM21)		CCUMUC1H151JAM	1		
	C3031	nsp	CAP, CHIP(2012, 50V/1000pF, MURATA GRM21)		CCUMUC1H102JAM	1		
	C3032,3033	nsp	CAP, CHIP(2012, 50V/150pF, MURATA GRM21)		CCUMUC1H151JAM	2		
	C3037,3038	nsp	CAP, CHIP(2012, 50V/1800pF, MURATA GRM21)		CCUMUC1H182JAM	2		
	C3039-3042	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	4		
	C3055,3056	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	2		
	C3057,3058	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	2		
	C3061-3063	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	3		
	C3064-3066	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	3		
	C3067-3069	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	3		
	C3101	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1		
	C3102	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG		CCUS1A105KCS	1		
	C3103	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1		
	C3104	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3105	nsp	CAP, ELECT(50V/100uF)		CCEA1HH101T	1		
	C3106,3107	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG		CCUS1A105KCS	2		
	C3121,3122	nsp	CAP, CHIP(2012, 50V/1800pF, MURATA GRM21)		CCUMUC1H182JAM	2		
	C3123-3126	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	4		
	C3129,3130	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	2		
	C3131,3132	nsp	CAP, CHIP(2012, 50V/1800pF, MURATA GRM21)		CCUMUC1H182JAM	2		
	C3133-3136	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	4		
	C3147,3148	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	2		
	C3149,3150	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	2		
	C3153,3154	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	2		
	C3155,3156	nsp	CAP, CHIP(1608, 50V/1000pF, X7R) SAMSUNG		CCUS1H102KCS	2		
	OTHER PARTS GROUP							
	BN25D	nsp	PIN SOCKET (25P,1.25mm,ANGLE, B-TO-B)		CJP25HJ282Z	1		
	CN21A	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1		
	CN21B	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1		
	CN24A	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP27GI281Z	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	CN24C,25	nsp	PIN HEADER (23P,1.25mm,STRAIGHT,B-TO-B)		CJP23GI281Z	2		
	CN26A	nsp	PIN HEADER (09P,1.25mm,STRAIGHT,B-TO-B)		CJP09GI281Z	1		
	CN26C	nsp	PIN HEADER (15P,1.25mm,STRAIGHT,B-TO-B)		CJP15GI281Z	1		
	JW9604	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	1		
	L3001	nsp	FERRITE CHIP BEAD(2012/220R, CB05YTYH221)		CLZ9R018V	1		

SIDE CNT PCB ASS'Y

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	OTHER PARTS GROUP							
	BN77D	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1		
	CN23A	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP27GI281Z	1		
	CN23C	nsp	PIN HEADER (21P,1.25mm,STRAIGHT,B-TO-B)		CJP21GI281Z	1		
	CN27A	nsp	PIN HEADER (15P,1.25mm,STRAIGHT,B-TO-B)		CJP15GI281Z	1		
	CN27C	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1		
	CN28C	nsp	PIN HEADER (13P,1.25mm,STRAIGHT,B-TO-B)		CJP13GI281Z	1		
	CN64C	nsp	PIN HEADER (13P,1.25mm,STRAIGHT,B-TO-B)		CJP13GI281Z	1		

INPUT PCB ASS'Y

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D8761	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D8845-8847	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	3		
	D8848	943202500720S	DIODE , ZENER(3.6V/0.5W, SOD-123)		CVDMM1Z3V6H	1		
	IC101	963236101380P	I.C, HDMI BUFFER		CVIAD8195ACPZ	1		
	IC466	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	IC471	235810045600S	I.C , 8CH VOLUME		CVIR2A15220FP	1		
	IC481-483	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	3		
	IC484	943236101540D	I.C , FUNCTION SWITCH(SSOP-32)		CVIBD3841FSE2	1		
	IC491	943235003810S	I.C , INPUT WITH 8CH VOLUME(100P QFP)		CVIR2A15218FP	1		
	IC871	943235100820S	I.C , ANALOG SWITCH(SSOP-32P)		CVINJU72751V	1		
	IC898,899	943233102030S	I.C , Shift/Store Register(SOIC-16P)		CVIMC74HC4094AD	2		
	Q1001	943215500020S	T.R,RT1P141C(10K-10K)		CVTRT1P141C	1		
	Q1002	943216500040S	T.R,RT1N241C(22K-22K)		CVTRT1N241C	1		
	Q8733	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8734	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8735-8738	943214500030S	T.R , MUTE		CVTINC2001AC1	4		
	Q8740	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8753	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8754	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8755-8758	943214500030S	T.R , MUTE		CVTINC2001AC1	4		
	Q8760	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8761	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
	Q8764	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8766	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8767	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8770,8771	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8774,8775	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8783	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8785	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8786	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8789,8790	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8793,8794	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8813	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8814	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8815	943214500030S	T.R , MUTE		CVTINC2001AC1	1		
	Q8817	943214500030S	T.R , MUTE		CVTINC2001AC1	1		
	Q8820,8821	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	2		
	Q8823	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8824	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8827,8828	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8831,8832	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8863	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8864	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8870,8871	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	2		
	Q8873	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8874	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8877,8878	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8881,8882	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8923	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8924	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8925-8928	943214500030S	T.R , MUTE		CVTINC2001AC1	4		
	Q8930	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	RESISTOR GROUP							
	R1001	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R1003	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R1004	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R1005	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R1007	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R1012,1013	nsp	RES, CHIP(1608/5%/2Kohm)		CRJ10DJ202T	2		
	R1022	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1023-1028	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	6		
	R4601,4602	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4603,4604	nsp	RES, CHIP(1608/5%/51Kohm)		CRJ10DJ513T	2		
	R4605,4606	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4607,4608	nsp	RES, CHIP(1608/5%/51Kohm)		CRJ10DJ513T	2		
	R4609,4610	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4611,4612	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4613,4614	nsp	RES, CHIP(1608/5%/51Kohm)		CRJ10DJ513T	2		
	R4615,4616	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4617,4618	nsp	RES, CHIP(1608/5%/51Kohm)		CRJ10DJ513T	2		
	R4619,4620	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4625,4626	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4627,4628	nsp	RES, CHIP(1608/5%/51Kohm)		CRJ10DJ513T	2		
	R4629,4630	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4631,4632	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4633,4634	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	R4635,4636	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4637,4638	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	R4639,4640	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4641,4642	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4643,4644	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	R4645,4646	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4647,4648	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	R4649,4650	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4663,4664	nsp	RES, CHIP(1608/5%/390ohm)		CRJ10DJ391T	2		
	R4665,4666	nsp	RES, CHIP(1608/5%/68Kohm)		CRJ10DJ683T	2		
	R4667,4668	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	2		
	R4669,4670	nsp	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	2		
	R4671,4672	nsp	RES, CHIP(1608/5%/240ohm)		CRJ10DJ241T	2		
	R4679,4680	nsp	RES, CHIP(1608/5%/130Kohm)		CRJ10DJ134T	2		
	R4681,4682	nsp	RES, CHIP(1608/5%/11Kohm)		CRJ10DJ113T	2		
	R4683,4684	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R4685,4686	nsp	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	2		
	R4687,4688	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R4701-4705	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	5		
	R4709	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4712,4713	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4716	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4719,4720	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4721,4722	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R4737,4738	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4743-4746	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	4		
	R4761-4771	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	11		
	R4773,4774	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R4781-4784	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R4794-4799	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	6		
	R4801,4802	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R4803,4804	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	2		
	R4805,4806	nsp	RES, CHIP(1608/5%/270Kohm)		CRJ10DJ274T	2		
	R4807,4808	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4811,4812	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4813,4814	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R4815-4818	nsp	RES, CHIP(1608/5%/68Kohm)		CRJ10DJ683T	4		
	R4819,4820	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R4821-4824	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	4		
	R4825,4826	nsp	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	2		
	R4827,4828	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R4831,4832	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4833-4836	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R4893,4894	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R4901	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4903	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4905	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4907	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4931-4934	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	4		
	R4661,4662	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	2		
	R4661,4662	nsp	RES, CHIP(1608/5%/4.7Kohm)	N	CRJ10DJ472T	2		
	R8707-8710	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8711,8712	nsp	RES, CHIP(1608/5%/680ohm)		CRJ10DJ681T	2		
	R8721,8722	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8723,8724	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8725,8726	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8727-8730	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8731,8732	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8733	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8735-8738	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	4		
	R8739	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8740	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8741,8742	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8743,8744	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8745,8746	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8747-8750	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8751,8752	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8753	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8755-8758	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	4		
	R8759	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8760	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8761	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	1		
	R8764	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8765,8766	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8767	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8768	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8769	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8770,8771	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8772	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8773	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8774,8775	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8776	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8777-8780	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8781,8782	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8783	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8784,8785	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8786	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8787	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8788	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8789,8790	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8791	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8792	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8793,8794	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8795	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8796-8799	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8800	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8801	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8802	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8803	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8805	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8807	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8809	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8811	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8813	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8815	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8817	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8819	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8820	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8821	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8822,8823	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8824	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8825	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8826	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8827,8828	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8829	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8830	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8831,8832	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8833	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8834-8837	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8838,8839	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8840-8843	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	4		
	R8846	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8848	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R8849	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8863	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8869	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8870	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8871	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8872,8873	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8874	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8875	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8876	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8877,8878	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8879	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8880	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8881,8882	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8883	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8884-8887	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8888,8889	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8891,8892	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8901,8902	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8911,8912	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R8913-8916	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R8917-8920	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8921,8922	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8923	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8925-8928	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	4		
	R8929	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8930	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	CAPACIITORS GROUP							
	C1001	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C1003-1006	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	4		
	C1007	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1008-1012	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	5		
	C1013	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C1014	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C1015	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1016	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C1017	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1018-1020	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	3		
	C4603,4604	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C4607,4608	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C4613,4614	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C4617,4618	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C4627,4628	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C4633,4634	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C4637,4638	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C4641	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C4643,4644	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C4647,4648	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C4661,4662	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG	N	CCUS1H101JAS	2		
	C4663,4664	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4665,4666	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C4675,4676	nsp	CAP, ELECT(10V/220uF)		CCEA1AH221T	2		
	C4677,4678	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	2		
	C4679,4680	nsp	CAP, MYLAR(50V/0.022uF/J)		HCQI1H223JZT	2		
	C4681,4682	943139001260S	CAP, MYLAR(50V/6800pF/J)		HCQI1H682JZT	2		
	C4687-4690	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	4		
	C4701,4702	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	2		
	C4705	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C4706	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4710,4711	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	2		
	C4713,4714	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	2		
	C4721,4722	nsp	CAP, CHIP(1608, 16V/0.15uF, X7R, X7S)_SAMSUNG		CCUS1C154KCS	2		
	C4723,4724	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R)_SAMSUNG		CCUS1H473KCS	2		
	C4725,4726	nsp	CAP, CHIP(1608, 50V/0.022uF, X7R)_SAMSUNG		CCUS1H223KCS	2		
	C4727,4728	nsp	CAP, ELECT(16V/470uF)		CCEA1CH471T	2		
	C4729,4730	nsp	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C4742	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C4761-4763	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	3		
	C4764-4771	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	8		
	C4773,4774	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4781-4784	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	4		
	C4801,4802	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4803-4806	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	4		
	C4811,4812	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4819,4820	nsp	CAP, CHIP(1608, 50V/68pF, C0G)_SAMSUNG		CCUS1H680JAS	2		
	C4823,4824	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	2		
	C4825-4828	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	4		
	C4831,4832	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4891,4892	nsp	CAP, ELECT(50V/47uF)		CCEA1HH470T	2		
	C4901	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4903	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4905	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4907	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4909-4911	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	3		
	C4913	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4935,4936	nsp	CAP, ELECT(16V/470uF)		CCEA1CH471T	2		
	C8707,8708	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8709,8710	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8711,8712	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	2		
	C8723,8724	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8727,8728	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8729,8730	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8739	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8740	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8743,8744	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8747,8748	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8749,8750	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8759	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8768	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8769	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8772	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8777,8778	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8779,8780	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8781	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8787	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8788	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8791	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8796,8797	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8798,8799	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8803	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8807	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8809	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	1		
	C8819	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8820	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8825	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8826	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8829	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8834,8835	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8836,8837	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8838	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8849	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8869	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8875	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8876	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8879	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8884,8885	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8886,8887	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8888	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8913,8914	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8917,8918	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8919,8920	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8929	nsp	CAP, ELECT(50V/0.47uF)		CCEA1HHR47T	1		
	C8980	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C8991,8992	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	OTHER PARTS GROUP							
	BK103	nsp	EARTH , HDMI		CMC2A436	1		
	BK469	nsp	EARTH , INPUT		CMC1A440	1		
	BN23C	nsp	PIN SOCKET (21P,1.25mm,ANGLE, B-TO-B)		CJP21HJ282Z	1		
	BN24C	nsp	PIN SOCKET (23P,1.25mm,ANGLE, B-TO-B)		CJP23HJ282Z	1		
	BN26C	nsp	PIN SOCKET (15P,1.25mm,ANGLE,B-TO-B)		CJP15HJ282Z	1		
	BN461	nsp	WIRE ASS'Y Locking (YH) (13P,2MM,150MM,#26)		CWB1B013150HC	1		
	BN64C	nsp	PIN SOCKET (13P,1.25mm,ANGLE, B-TO-B)		CJP13HJ282Z	1		
	BN87B	nsp	PIN SOCKET (27P,1.25mm,ANGLE,B-TO-B)		CJP27HJ282Z	1		
	BN88B	nsp	PIN SOCKET (25P,1.25mm,ANGLE, B-TO-B)		CJP25HJ282Z	1		
	BN89B	nsp	PIN SOCKET (21P,1.25mm,ANGLE, B-TO-B)		CJP21HJ282Z	1		
	CN101	nsp	WAFER, FFC, SMD(23P-1mm, STRAIGHT)		CJP23GA193ZY	1		
	CN706	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/3PIN		CJP03GI288ZY	1		
	CN87A	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP27GI281Z	1		
	CN87C	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP27GI281Z	1		
	CN88A	nsp	PIN HEADER (25P,1.25mm,STRAIGHT,B-TO-B)		CJP25GI281Z	1		
	CN88C	nsp	PIN HEADER (25P,1.25mm,STRAIGHT,B-TO-B)		CJP25GI281Z	1		
	CN89A	nsp	PIN HEADER (21P,1.25mm,STRAIGHT,B-TO-B)		CJP21GI281Z	1		
	CN89C	nsp	PIN HEADER (21P,1.25mm,STRAIGHT,B-TO-B)		CJP21GI281Z	1		
	JK101	943643103000S	JACK , HDMI(TYPE-A, SMT-19P, W/O FLANGE)		CJJ9H022Z	1		
	JK461-463	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	3		
	JK464	943643102140S	JACK, 4P(W/R,W/B),SEPA-GND, GOLD		CJJ4P080Z	1		
	JK465	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
	JK871	943643102140S	JACK, 4P(W/R,W/B),SEPA-GND, GOLD		CJJ4P080Z	1		
	JK872,873	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	2		
	JK874	943643102210S	JACK, 2P(W/R),SEPA-GND,GOLD		CJJ4N099Z	1		
	JK875	943646000840S	JACK, 1P(BK),SEPA-GND,GOLD		CJJ4M056W	1		
	JK876	943643102210S	JACK, 2P(W/R),SEPA-GND,GOLD		CJJ4N099Z	1		
	L1001,1002	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	2		
	L4661,4662	00D9430193601	COIL, TOROIDAL	N	CLU9S004Z	1		
	L1111-1114	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	4		
	LUG12	nsp	WIRE ASS'Y (1P)		CWE8202050RV	1		
	RY871	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		

DIGITAL PCB ASS'Y

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D1101	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D1102	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D1501	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D1902	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D1904	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	IC111-120	943239101070S	I.C , DC-DC CONVERTER (3A, QFN T&R-24P)		CVIEN5339QI	10		
	IC123	943239010400S	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1		
	IC125	943239101070S	I.C , DC-DC CONVERTER (3A, QFN T&R-24P)		CVIEN5339QI	1		
	IC151	943243103220S	I.C , MAIN CPU(SR6010/U/N)		CVIANAM2285AV	1	*	
	└IC151	-	I.C , CPU(3M/PLQP0176KB-A) R5F564MJCDFC#V1 RENESAS		CVIR5F564MJCDFC	1		
	IC152	943239101500S	I.C , EEPROM(128KBIT,SOP-8P)		CVIR1EX24128BSAS	1		
	IC171-176	943233102030S	I.C , Shift/Store Register(SOIC-16P)		CVIMC74HC4094AD	6		
	IC191	963239002150S	I.C , OCTAL BUFFER/DRIVER		CVISN74LVC244APV	1		
	IC201	00D2623077900	I.C, HEX INVERTER		HVITC74VHCU04FT	1		
	IC202	943236101350D	I.C , DIR/DIT(WITH ADC,LQFP-48P)		CVIPCM9211PTR	1		
	IC203	943236101520D	I.C , DIR(SSOP-16)		CVILC89091JA-H	1		
	IC221	943236102150S	I.C , APLD(SR6010/U1B)		CVIANAM2291AV	1	*	
	└IC221	-	IC , PLD(FBGA,256P)		CVI5M570ZF256C5N	1		
	IC223	236810083506S	I.C , CLOCK JITTER		CVICS210010-CZZR	1		
	IC251	943245100770S	I.C , DSP(LQFP-176P/400M)		CVIADSP214874B13	1	*	
	IC252	943246101060S	I.C , SDRAM(256M,TSOP-54P)		CVIA3V56S40GTP-6	1		
	IC254	943248103540S	I.C , DSP1_S.FLASH(SR6010/U1B)		CVIANAM2287AV	1	*	
	└IC254	-	I.C , SERIAL FLASH(16M)		CVIMX25L1606EM2I	1		
	IC261	943245100780S	I.C , DSP(LQFP-176P/400M)		CVIADSP214874B13	1	*	
	IC262	943246101060S	I.C , SDRAM(256M,TSOP-54P)		CVIA3V56S40GTP-6	1		
	IC264	943248103550S	I.C , DSP2_S.FLASH(SR6010/U1B)		CVIANAM2288AV	1	*	
	└IC264	-	I.C , SERIAL FLASH(16M)		CVIMX25L1606EM2I	1		
	IC271	943245100790S	I.C , DSP(LQFP-176P/400M)		CVIADSP214874B13	1	*	
	IC272	943246101060S	I.C , SDRAM(256M,TSOP-54P)		CVIA3V56S40GTP-6	1		
	IC273	943248103560S	I.C , DSP3_S.FLASH(SR6010/U1B)		CVIANAM2289AV	1	*	
	└IC273	-	I.C , SERIAL FLASH(16M)		CVIMX25L1606EM2I	1		
	IC281	943245100800S	I.C , DSP(LQFP-176P/400M)		CVIADSP214874B13	1	*	
	IC282	943246101060S	I.C , SDRAM(256M,TSOP-54P)		CVIA3V56S40GTP-6	1		
	IC283	943248103570S	I.C , DSP4_S.FLASH(SR6010/U1B)		CVIANAM2290AV	1	*	
	└IC283	-	I.C , SERIAL FLASH(16M)		CVIMX25L1606EM2I	1		
	IC306	236810086505S	I.C , ADC(96kHz 24-Bit)		CVIAK5358BET	1		
	IC321	943239100690S	I.C , 2CH DAC(32BIT,384KHZ,TSSOP-20P)		CVIPCM5100PWR	1		
	IC323	943231102150S	IC, regulator(3.3V , SSOP5)		CVIBU33TD3WG	1		
	IC351	963236101220D	I.C , HDMI RX		CVIADV7850KBCZ-5	1		
	IC381	23681050460AS	I.C , HDMI 2.0 Transceiver (HQFP-144P)		CVIMN864788	1		
	IC391	23681050460AS	I.C , HDMI 2.0 Transceiver (HQFP-144P)		CVIMN864788	1		
	IC392	943239101510S	I.C , MUX/DEMUX (TSSOP-16P)		CVISN74CBT3251PW	1		
	IC401	23681016160AS	I.C , VSP(ADV8003KBCZ-8B)		CVIAD55/058Z-0	1		
	IC402,403	24681020160AS	I.C , DDR2 SDRAM(512Mbits, 84-ball FBGA)		CVIA3R12E40CBF-8	2		
	IC404	943248103580S	I.C , OSD FLASH(SR6010/U/N)		CVIANAM2286AV	1	*	
	└IC404	-	I.C , SERIAL FLASH(128M,SOP-16) MX25L12845EMI10G		CVIMX25L12845EMI	1		
	IC421	943236102160S	I.C , VPLD(SR6010/U1B)		CVIANAM2292AV	1	*	
	└IC421	-	I.C , PLD(FBGA, 256P, MAX II)		CVIEPM570F256C4N	1		
	IC431	23681050360AS	I.C , HDMI 2.0 TX+SCALER		CVIMN864787	1		
	IC501	24681009260AS	I.C , SERIAL FLASH(256M,SOP-16)		CVIMX25L25635FMI	1		
	IC502	236710110S0AS	I.C , IPOD AUTHENTICATION FROM D&M		CVI236710110S0AS	1		
	IC503	943239101090S	I.C , High side switch (TSSOP-B8)		CVIBD82065FVJ-E2	1		
	Q1101-1103	943229500020S	MOSFET,TPC6111(P-CH,U-MOSV)		CVTTPC6111	3		
	Q1105	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)		CVTFDC608PZ	1		
	Q1106	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1107	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)		CVTFDC608PZ	1		
	Q1111-1113	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	3		
	Q1115	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1116	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q1117	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1118	00D2757001907	MOSFET (P-CH, 2.5V POWER TRENCH)		CVTFDC608PZ	1		
	Q1119	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q1121	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q1122	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1123	00D2710326904	T.R,2SA1954		CVT2SA1954	1		
	Q1124	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1125	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q1126	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1127	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q1128	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1131	943214500020S	T.R,2SC3052		CVT2SC3052	1		
	Q1133	00D2710326904	T.R,2SA1954		CVT2SA1954	1		
	Q1134	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1501,1502	943214500020S	T.R,2SC3052		CVT2SC3052	2		
	Q1503	943214500030S	T.R , MUTE		CVTINC2001AC1	1		
	Q1902,1903	943214500020S	T.R,2SC3052		CVT2SC3052	2		
	Q1909	963212500030S	T.R, ISA1530AC1		CVTISA1530AC1	1		
	Q1910,1911	943214500020S	T.R,2SC3052		CVT2SC3052	2		
	Q1912	963212500030S	T.R, ISA1530AC1		CVTISA1530AC1	1		
	Q1913-1916	943214500020S	T.R,2SC3052		CVT2SC3052	4		
	Q1918	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1920	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1922	943214500020S	T.R,2SC3052		CVT2SC3052	1		
	Q2002	963216500060S	T.R,RT1N144C(10K-47K)		CVTRT1N144C	1		
	Q3841,3842	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q3851,3852	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q3861,3862	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q3871,3872	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q3941,3942	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q3951,3952	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q3961,3962	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	RESISTOR GROUP							
	R1001,1002	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R1008	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1010	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1012	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1111	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1112	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1113	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1114	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1115	nsp	RES, CHIP(1608/1%/169Kohm)		CRJ10DF1693T	1		
	R1116	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1120	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1122	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1123	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R1124	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1125	nsp	RES, CHIP(1608/1%/76.8Kohm)		CRJ10DF7682T	1		
	R1126	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1131	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1132	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1133	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1134	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1135	nsp	RES, CHIP(1608/1%/76.8Kohm)		CRJ10DF7682T	1		
	R1136	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1142	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1143	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1144	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1145	nsp	RES, CHIP(1608/1%/169Kohm)		CRJ10DF1693T	1		
	R1146	nsp	RES, CHIP(1608/1%/2Kohm)		CRJ10DF2001T	1		
	R1147	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1151	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1152	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1153	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1154	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1155	943129501050S	RES, CHIP(1608 size / 0.1% / 316 Kohm)		CRJ10DB3163T	1		
	R1161	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1162	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1163	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1164	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1165	nsp	RES, CHIP(1608/1%/110Kohm)		CRJ10DF1103T	1		
	R1166	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1171	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1172	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1173	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1174	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1175	nsp	RES, CHIP(1608/1%/412Kohm)		CRJ10DF4123T	1		
	R1176	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1181	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1182	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1183	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1184	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1185	nsp	RES, CHIP(1608/1%/390Kohm)		CRJ10DF3903T	1		
	R1186	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1191	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1192	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1193	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1194	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1195	nsp	RES, CHIP(1608/1%/390Kohm)		CRJ10DF3903T	1		
	R1196	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1201	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1202	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1203	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1204	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1205	nsp	RES, CHIP(1608/1%/390Kohm)		CRJ10DF3903T	1		
	R1206	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1207	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1208	nsp	RES, CHIP(1005/5%/27Kohm)		CRJ06IJ273T	1		
	R1212,1213	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R1215	nsp	RES, CHIP(1005/5%/33Kohm)		CRJ06IJ333T	1		
	R1216,1217	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R1220	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1221	nsp	RES, CHIP(1005/5%/27Kohm)		CRJ06IJ273T	1		
	R1222	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1223	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1224-1226	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R1227	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1228	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1229	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1230	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1231	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1232	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1233	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1234	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1236,1237	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R1238	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R1239	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R1240	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R1241	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R1250	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R1251	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1252	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R1253	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R1254	nsp	RES, CHIP(1608/1%/412Kohm)		CRJ10DF4123T	1		
	R1255	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1256	nsp	RES, CHIP(1005/5%/330ohm)		CRJ06IJ331T	1		
	R1258	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1259	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1263	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1501	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1503	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1		
	R1504,1505	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R1506,1507	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R1508	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R1510	nsp	RES, CHIP(1608/5%/680ohm)		CRJ10DJ681T	1		
	R1511	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1512-1518	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	7		
	R1519	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R1520	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1521-1525	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	5		
	R1526	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1528-1558	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	31		
	R1560	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R1571-1573	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	3		
	R1575-1577	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R1585	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R1589	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1		
	R1590	nsp	RES, CHIP(1608/5%/0ohm)	N	CRJ10DJ0R0T	1		
	R1599	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1600-1607	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	8		
	R1610	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1611	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R1612	nsp	RES, CHIP(1005/5%/2.2Mohm)		CRJ06IJ225T	1		
	R1613	nsp	RES, CHIP(1005/5%/1.2Kohm)		CRJ06IJ122T	1		
	R1614	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R1615	nsp	RES, CHIP(1005/5%/27Kohm)		CRJ06IJ273T	1		
	R1616	nsp	RES, CHIP(1005/5%/220Kohm)		CRJ06IJ224T	1		
	R1617	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R1618	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R1619-1624	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	6		
	R1701	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R1905	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R1906	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R1907	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R1908	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1910	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R1911	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R1912	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R1913	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1930	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R1931	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R1932	nsp	RES, CHIP(1005/5%/33Kohm)		CRJ06IJ333T	1		
	R1933	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R1934	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R1935	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R1936	nsp	RES, CHIP(1005/5%/15Kohm)		CRJ06IJ153T	1		
	R1937	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R1938	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1		
	R1939	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R1942	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R1943	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1		
	R1944	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R1953	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R1954-1957	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	4		
	R1958-1960	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R1961	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R1963	nsp	RES, CHIP(1005/5%/3.9Kohm)		CRJ06IJ392T	1		
	R1964	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R1965,1966	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R1967	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R1968	nsp	RES, CHIP(1005/5%/3.9Kohm)		CRJ06IJ392T	1		
	R1969	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2001-2004	nsp	RES, CHIP(1005/5%/150ohm)		CRJ06IJ151T	4		
	R2005,2006	nsp	RES, CHIP(1005/5%/470ohm)		CRJ06IJ471T	2		
	R2011	nsp	RES, CHIP(1005/5%/330Kohm)		CRJ06IJ334T	1		
	R2012,2013	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R2014	nsp	RES, CHIP(1005/5%/330Kohm)		CRJ06IJ334T	1		
	R2019-2022	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R2029,2030	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2031	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1		
	R2032	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2033	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2036,2037	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2038	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2039	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2044,2045	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	2		
	R2046	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R2047	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2048	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2049	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2050	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R2051	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R2052	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R2053	nsp	RES, CHIP(1608/5%/680ohm)		CRJ10DJ681T	1		
	R2054,2055	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2057-2061	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	5		
	R2063,2064	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2066	nsp	RES, CHIP(1005/5%/150ohm)		CRJ06IJ151T	1		
	R2201	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R2202-2206	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	5		
	R2208-2250	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	43		
	R2251-2253	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R2254-2257	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	4		
	R2260-2264	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	5		
	R2266-2277	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	12		
	R2278,2279	nsp	RES, CHIP(1005/5%/220ohm)		CRJ06IJ221T	2		
	R2280,2281	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	2		
	R2501	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2504	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2505	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R2506	nsp	RES, CHIP(1608/5%/1.8Kohm)		CRJ10DJ182T	1		
	R2507-2509	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R2510,2511	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R2512	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2514	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2516-2518	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R2519-2522	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	4		
	R2523,2524	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R2525	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2529	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2530-2539	nsp	RES, CHIP(1005/5%/82ohm)		CRJ06IJ820T	10		
	R2540	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2541	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2542	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2543	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2544,2545	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2546	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2547	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2549	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2550	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2552,2553	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	2		
	R2555,2556	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	2		
	R2558	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R2559	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2560	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R2561	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2562	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2563-2571	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	9		
	R2576	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2577	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2578,2579	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2601-2603	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R2604	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2605	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2606	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R2607	nsp	RES, CHIP(1608/5%/1.8Kohm)		CRJ10DJ182T	1		
	R2609-2611	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R2612,2613	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R2614	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2616	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2618-2620	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R2621-2624	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	4		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R2625,2626	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R2627	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2629	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2630	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2631	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2633-2640	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	8		
	R2641	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2642	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2643	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2644,2645	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2646	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2647	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2649	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2651	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2653-2656	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	4		
	R2658	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R2659	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2660	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R2661	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2666	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2667	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2668	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2669-2671	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R2676-2681	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	6		
	R2701	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2702-2704	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R2705	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2706	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2707	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R2708	nsp	RES, CHIP(1608/5%/1.8Kohm)		CRJ10DJ182T	1		
	R2709-2712	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R2713,2714	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R2715	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2717,2718	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R2719	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2721	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2723-2725	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R2726-2729	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	4		
	R2730	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2732	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2733-2740	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	8		
	R2741	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2742	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2743	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2744	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2745	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2746,2747	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2748	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2749	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2750	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2752	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2754-2757	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	4		
	R2759	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R2760	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2761	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R2801	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2802-2804	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R2805	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2807	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R2808	nsp	RES, CHIP(1608/5%/1.8Kohm)		CRJ10DJ182T	1		
	R2809-2812	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R2813,2814	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R2815	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2817,2818	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R2819	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2821	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2823-2825	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R2826-2829	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	4		
	R2830	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2832	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2833-2842	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	10		
	R2843	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2844	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2845	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2846,2847	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2848	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2849,2850	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R2852	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2854-2857	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	4		
	R2858	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2860	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R2861	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2862	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R3087	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R3088	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3089,3090	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R3093,3094	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R3201,3202	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R3203,3204	nsp	RES, CHIP(1005/5%/470ohm)		CRJ06IJ471T	2		
	R3205	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3211	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3501	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R3502	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3504	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3507	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3510	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3513	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3515-3517	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R3518	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R3519	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3520	nsp	RES, CHIP(1608/5%/24ohm)		CRJ10DJ240T	1		
	R3521	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3522	nsp	RES, CHIP(1608/5%/24ohm)		CRJ10DJ240T	1		
	R3523	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3524	nsp	RES, CHIP(1608/5%/24ohm)		CRJ10DJ240T	1		
	R3525	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3526	nsp	RES, CHIP(1608/5%/24ohm)		CRJ10DJ240T	1		
	R3527-3530	nsp	RES, CHIP(1608/5%/51ohm)		CRJ10DJ510T	4		
	R3531	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3532,3533	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	2		
	R3534,3535	nsp	RES, CHIP(1005/5%/2.2Kohm)		CRJ06IJ222T	2		
	R3537	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3538	nsp	RES, CHIP(1005/5%/2Kohm)		CRJ06IJ202T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R3539-3544	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	6		
	R3547	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3548	nsp	RES, CHIP(1608/1%/470ohm)		CRJ10DF4700T	1		
	R3801	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3804	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R3805	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R3806	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R3807	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3808,3809	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R3810,3811	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R3812	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R3813	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3814	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R3815	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3818-3820	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R3822	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R3823-3826	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	4		
	R3841	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3842	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3843,3844	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R3845	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3846	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3847,3848	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R3851	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3852	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3853,3854	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R3855	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3856	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3857,3858	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R3861	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3862	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3863,3864	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R3865	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3866	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3867,3868	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R3871	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3872	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3873,3874	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R3875	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3876	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3877,3878	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R3901	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R3902	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3903	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3906	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R3907	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R3908	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R3909	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3910,3911	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R3914	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R3915	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3916	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R3918	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3919	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3921	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R3922	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3924	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R3925-3928	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	4		
	R3941	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3942	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3943,3944	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R3945	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3946	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3947,3948	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R3951	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3952	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3953,3954	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R3955	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3956	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3957,3958	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R3961	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3962	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3963,3964	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R3965	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3966	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3967,3968	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R3978	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3979	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R3981	nsp	RES, CHIP(1005/5%/2.2Kohm)		CRJ06IJ222T	1		
	R3982	nsp	RES, CHIP(1005/5%/8.2Kohm)		CRJ06IJ822T	1		
	R4001-4027	nsp	RES, CHIP(1005/5%/22ohm)		CRJ06IJ220T	27		
	R4028	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R4029,4030	nsp	RES, CHIP(1005/1%/1Kohm)		CRJ06IF1001T	2		
	R4031	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R4032	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R4034	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R4035,4036	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R4037,4038	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R4040	nsp	RES, CHIP(1005/5%/39ohm)		CRJ06IJ390T	1		
	R4041-4044	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R4045	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4047	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4049	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4050-4053	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	4		
	R4068	nsp	RES, CHIP(1608/1%/180ohm)		CRJ10DF1800T	1		
	R4069	nsp	RES, CHIP(1608/1%/2.7Kohm)		CRJ10DF2701T	1		
	R4070	nsp	RES, CHIP(1608/1%/180ohm)		CRJ10DF1800T	1		
	R4071	nsp	RES, CHIP(1608/1%/2.7Kohm)		CRJ10DF2701T	1		
	R4074,4075	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R4076-4082	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	7		
	R4084,4085	nsp	RES, CHIP(1005/1%/1Kohm)		CRJ06IF1001T	2		
	R4087	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4089	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4090	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R4201-4217	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	17		
	R4218	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4221	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4222	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R4223	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4224	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4227-4229	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R4230	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4233	nsp	RES, CHIP(1005/5%/39ohm)		CRJ06IJ390T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R4234-4240	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	7		
	R4243,4244	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	2		
	R4245	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4246	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4249	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R4301	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4303	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4308	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4310,4311	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R4312	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4313-4315	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	3		
	R4316-4321	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	6		
	R4322	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R4323	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R4324	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R4326	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4327	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R4328	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4330-4333	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	4		
	R4334	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4336	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R4337,4338	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R4339	943113100000S	COMMON MODE FILTER (1210, 90ohm)		CLZ9Z188Z	1		
	R4340-4342	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	3		
	R4351-4353	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	3		
	R4354,4355	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	2		
	R4356	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4357,4358	nsp	RES, CHIP(1608/1%/51ohm)		CRJ10DF51R0T	2		
	R4367-4369	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	3		
	R5001-5003	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	3		
	R5004	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R5005	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5006	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R5007	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5008	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R5009	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5010,5011	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	2		
	R5012,5013	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R5016	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5017	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5019	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5021	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5023	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R5025	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R5027	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R5029	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R5031	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R5033	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R5035	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R5037	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R5039	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R5051-5053	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R5055	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R5056	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5063	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5064-5068	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	5		
	R5076	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5077	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5082,5083	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R5091	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5093	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5098	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5115	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	RN201	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN204	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN221	nsp	RES, CHIP(1005/5%/100ohm*4)		CRJ064IJ101T	1		
	RN251-255	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	5		
	RN256,257	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	2		
	RN258-263	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	6		
	RN264	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN266-268	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	3		
	RN270	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1		
	RN272-275	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	4		
	RN276-280	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	5		
	RN281	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1		
	RN283-286	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	4		
	RN287	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN288,289	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	2		
	RN290-295	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	6		
	RN296	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1		
	RN298-301	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	4		
	RN302	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN351-354	nsp	RES, CHIP(1005/5%/4.7Kohm*4)		CRJ064IJ472T	4		
	RN391-393	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	3		
	RN401-415	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	15		
	RN421	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN423-426	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	4		
	RN431-436	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	6		
	RN437	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	1		
	RN438	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN439-441	nsp	RES, CHIP(1005/5%/100ohm*4)		CRJ064IJ101T	3		
	RN449-451	nsp	RES, CHIP(1005/5%/100ohm*4)		CRJ064IJ101T	3		
	RN501	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	1		
	CAPACIITORS GROUP							
	C1005	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG		CCUI1C104KCS	1		
	C1007-1012	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG		CCUI1C104KCS	6		
	C1023-1026	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG		CCUI1C104KCS	4		
	C1031-1040	nsp	CAP, CHIP(1005, 50V/1000pF, X7R) SAMSUNG		CCUI1H102KCS	10		
	C1051	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1		
	C1053	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1		
	C1111	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG		CCUI1C104KCS	1		
	C1112	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1		
	C1113	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG		CCUS1A105KCS	1		
	C1114	nsp	CAP, CHIP(1608, 50V/10pF, C0G) SAMSUNG		CCUS1H100JAS	1		
	C1115	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R) SAMSUNG		CCUC0J226KCS	1		
	C1116	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1		
	C1119	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R) SAMSUNG		CCUC1H104KCS	1		
	C1121	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R) SAMSUNG		CCUI1C104KCS	1		
	C1122	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1		
	C1123	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S) SAMSUNG		CCUS1A105KCS	1		
	C1124	nsp	CAP, CHIP(1608, 50V/3.3pF, C0G) SAMSUNG		CCUS1H3R3JAS	1		
	C1125	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R) SAMSUNG		CCUC0J226KCS	1		
	C1126	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R) SAMSUNG		CCUC0J106KCS	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C1129	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1131	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1132	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1133	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1134	nsp	CAP, CHIP(1608, 50V/3.3pF, C0G)_SAMSUNG		CCUS1H3R3JAS	1		
	C1135	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R)_SAMSUNG		CCUC0J226KCS	1		
	C1136	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1139	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1141	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1142	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1143	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1144	nsp	CAP, CHIP(1608, 50V/10pF, C0G)_SAMSUNG		CCUS1H100JAS	1		
	C1145	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R)_SAMSUNG		CCUC0J226KCS	1		
	C1146	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1149	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1151	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1152	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1153	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1154	nsp	CAP, CHIP(1608, 50V/8pF, C0G)_SAMSUNG		CCUS1H080DAS	1		
	C1155	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R)_SAMSUNG		CCUC0J226KCS	1		
	C1156	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1159	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1161	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1162	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1163	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1164	nsp	CAP, CHIP(1608, 50V/5pF, C0G)_SAMSUNG		CCUS1H050CAS	1		
	C1165	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R)_SAMSUNG		CCUC0J226KCS	1		
	C1166	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1169	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1171	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1172	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1173	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1174	nsp	CAP, CHIP(1608, 50V/5pF, C0G)_SAMSUNG		CCUS1H050CAS	1		
	C1175	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R)_SAMSUNG		CCUC0J226KCS	1		
	C1176	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1179	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1181	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1182	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1183	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1184	nsp	CAP, CHIP(1608, 50V/5pF, C0G)_SAMSUNG		CCUS1H050CAS	1		
	C1185	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R)_SAMSUNG		CCUC0J226KCS	1		
	C1186	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1189	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1191	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1192	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1193	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1194	nsp	CAP, CHIP(1608, 50V/5pF, C0G)_SAMSUNG		CCUS1H050CAS	1		
	C1195	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R)_SAMSUNG		CCUC0J226KCS	1		
	C1196	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1199	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1201	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1202	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1203	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1204	nsp	CAP, CHIP(1608, 50V/5pF, C0G)_SAMSUNG		CCUS1H050CAS	1		
	C1205	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R)_SAMSUNG		CCUC0J226KCS	1		
	C1206	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1209	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1211	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C1212,1213	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C1214-1218	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	5		
	C1219	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1220	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C1221	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1224	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C1225	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C1226	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1231	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1232	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1233	nsp	CAP,ALUMINUM ELECTROLYTIC CAPACITORS(16V/100uF)		CCEC1CMVG101T	1		
	C1235	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C1236	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1237	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C1238	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1241	nsp	CAP,ALUMINUM ELECTROLYTIC (16V/470uF)		CCEC1CMVG471T	1		
	C1243	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1245	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1246	nsp	CAP,ALUMINUM ELECTROLYTIC (16V/470uF)		CCEC1CMVG471T	1		
	C1253	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1254,1255	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C1306	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1307	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C1308	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1309	nsp	CAP, CHIP(1608, 50V/5pF, C0G)_SAMSUNG		CCUS1H050CAS	1		
	C1310	nsp	CAP, CHIP(2012, 6.3V/22uF, X5R)_SAMSUNG		CCUC0J226KCS	1		
	C1311	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C1314	nsp	CAP, CHIP(2012, 50V/0.1uF, X7R)_SAMSUNG		CCUC1H104KCS	1		
	C1501-1505	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	5		
	C1506,1507	nsp	CAP, CHIP(1608, 50V/10pF, C0G)_SAMSUNG		CCUS1H100JAS	2		
	C1508-1514	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	7		
	C1516-1525	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	10		
	C1531,1532	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	2		
	C1533	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1534	nsp	CAP, CHIP(1005, 50V/220pF, C0G)_SAMSUNG		CCUI1H221JAS	1		
	C1701-1706	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	6		
	C1902,1903	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	2		
	C1908-1913	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	6		
	C1915	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C1916	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C2003,2004	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	2		
	C2005-2008	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	4		
	C2009,2010	nsp	CAP, CHIP(1005, 50V/33pF, C0G)_SAMSUNG		CCUI1H330JAS	2		
	C2014	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2015	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C2016,2017	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C2018	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C2019	nsp	CAP, CHIP(1608, 50V/15pF, C0G)_SAMSUNG		CCUS1H150JAS	1		
	C2020	nsp	CAP, CHIP(1608, 50V/12pF, C0G)_SAMSUNG		CCUS1H120JAS	1		
	C2021	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2023	nsp	CAP, CHIP(2012, 50V/4700pF, MURATA GRM21)		CCUMUC1H472JAM	1		
	C2024	nsp	CAP, CHIP(3216, 50V/0.068uF, MURATA GRM31)		CCUMUP1H683JAM	1		
	C2030,2031	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C2032	nsp	CAP, CHIP(1005, 25V/0.022uF, X7R)_SAMSUNG		CCUI1E223KCS	1		
	C2205-2224	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	20		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C2225	nsp	CAP, CHIP(1005, 50V/100pF, C0G)_SAMSUNG		CCUI1H101JAS	1		
	C2227	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2228	943134503260S	CAP , ELECT (100uF/6.3V, PVO, ELNA)		CCEC0JPVO101TS	1		
	C2443	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2502,2503	nsp	CAP, CHIP(1608, 50V/18pF, C0G)_SAMSUNG		CCUS1H180JAS	2		
	C2505-2507	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	3		
	C2508-2542	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	35		
	C2544-2549	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	6		
	C2554-2592	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	39		
	C2593	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2594,2595	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C2596	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2597	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2598	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2599	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2602-2609	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	8		
	C2610,2611	nsp	CAP, CHIP(1608, 50V/18pF, C0G)_SAMSUNG		CCUS1H180JAS	2		
	C2612	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2614-2644	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	31		
	C2645	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2646,2647	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C2648	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2649	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2650	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2651	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2652,2653	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	2		
	C2654	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2655	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2656	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2657	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2658	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2659-2699	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	41		
	C2702-2709	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	8		
	C2710,2711	nsp	CAP, CHIP(1608, 50V/18pF, C0G)_SAMSUNG		CCUS1H180JAS	2		
	C2712	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2714-2744	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	31		
	C2745	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2746,2747	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C2748	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2749	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2750	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2751	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2752,2753	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	2		
	C2754	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2755	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2756	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2757	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2758	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2759-2799	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	41		
	C2801,2802	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	2		
	C2803	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2804	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2805	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2806	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2807-2809	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	3		
	C2810	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2812-2819	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	8		
	C2820,2821	nsp	CAP, CHIP(1608, 50V/18pF, C0G)_SAMSUNG		CCUS1H180JAS	2		
	C2822	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2824-2854	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	31		
	C2855	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2856,2857	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C2858	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2859	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2860	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2861	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2862,2863	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	2		
	C2864	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2865	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2866	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2867	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C2868	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C2869-2909	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	41		
	C3045,3046	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C3047,3048	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	2		
	C3049,3050	nsp	CAP,ALUMINUM ELECTROLYTIC (16V/10uF)		CCEC1CMVG100T	2		
	C3051	nsp	CAP, CHIP(1608, 50V/4700pF, X7R)_SAMSUNG		CCUS1H472KCS	1		
	C3053	nsp	CAP, CHIP(1608, 50V/4700pF, X7R)_SAMSUNG		CCUS1H472KCS	1		
	C3054	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C3055,3056	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C3057,3058	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	2		
	C3061-3064	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	4		
	C3066-3073	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	8		
	C3201,3202	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C3203	nsp	CAP, CHIP(1608, 6.3V/2.2uF, X7R)_SAMSUNG		CCUS0J225KCS	1		
	C3204	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3205	nsp	CAP, CHIP(1608, 6.3V/2.2uF, X7R)_SAMSUNG		CCUS0J225KCS	1		
	C3206	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3207	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C3208,3209	nsp	CAP, CHIP(1005, 50V/2200pF, X7R)_SAMSUNG		CCUI1H222KCS	2		
	C3220	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3221	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C3222	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3223	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C3224	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3225	nsp	CAP, SMD ELECT(16V/22uF)		CCEC1CMVG220T	1		
	C3501	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3504	nsp	CAP, CHIP(1608, 50V/15pF, C0G)_SAMSUNG		CCUS1H150JAS	1		
	C3505	nsp	CAP, CHIP(1608, 50V/18pF, C0G)_SAMSUNG		CCUS1H180JAS	1		
	C3511	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3513	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3514	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3515	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3516	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3517	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3518	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3519	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3520	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3521	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3522	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3523	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3524	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3525	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C3526	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3528	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3529	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3531	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3535	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3536	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3537	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3538	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3539	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3541	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3545	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3546	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3547	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3548	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3549	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3550	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3551	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3552	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3553	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3554	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3555	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3556	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3557	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3558	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3559	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3560	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3561	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3562	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3563	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3564	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3565	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3566	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3567	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3571	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3573	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3574,3575	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	2		
	C3576	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3577	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3578	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3579	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3580	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3581	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3582	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3583	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3584	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3585	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3586	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3591	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3593	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3594	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3595	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3596	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3597	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3598	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3601	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3605	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3606	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3607	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3611	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3614	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C3615	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3616	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3617	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3621	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3622	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3624,3625	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C3626	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3627	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3628	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3629	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3630	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3631	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3632	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3633	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3634,3635	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	2		
	C3636	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3637	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3638	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3639	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3640	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3641	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3642	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3643	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3644	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3645	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3646	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3647	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3651	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3652	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3654	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3655	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3656	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3657	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3658	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3659	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3660	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3661	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3662	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3663	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3664	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3665	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3666	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3667	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3668	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3669	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3670	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3671	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3672	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3673	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3681	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3683	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3684	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3685	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C3686	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3687	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3688	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3689	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3690	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3691	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3692	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3694	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3695	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3696	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3697	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3698	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3699	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3700	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3701	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3702	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3703	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3704	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3705	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3706	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3707	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3708	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3709	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3710	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3711	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3712	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3713	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3714	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3715	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3716	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3717	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3718	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3719	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3720	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3721	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3722	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3723	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3724	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3725	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3726	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3727	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3731	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C3732	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3734	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3735	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C3741-3747	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	7		
	C3748,3749	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	2		
	C3750	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C3751	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3753	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C3754	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3758	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3801-3832	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	32		
	C3833	nsp	CAP, CHIP(1608, 50V/10pF, C0G)_SAMSUNG		CCUS1H100JAS	1		
	C3834	nsp	CAP, CHIP(1608, 50V/9pF, C0G)_SAMSUNG		CCUS1H090DAS	1		
	C3835,3836	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C3837	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C3838-3845	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	8		
	C3851-3854	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	4		
	C3860	nsp	CAP,ALUMINUM ELECTROLYTIC CAPACITORS(16V/100uF)		CCEC1CMVG101T	1		
	C3861,3862	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	2		
	C3865,3866	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C3868,3869	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C3871,3872	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C3883,3884	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	2		
	C3887,3888	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C3901-3932	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	32		
	C3933	nsp	CAP, CHIP(1608, 50V/10pF, C0G)_SAMSUNG		CCUS1H100JAS	1		
	C3934	nsp	CAP, CHIP(1608, 50V/9pF, C0G)_SAMSUNG		CCUS1H090DAS	1		
	C3935,3936	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C3937	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C3938-3943	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	6		
	C3945	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3951-3954	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	4		
	C3961,3962	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	2		
	C3965,3966	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C3968,3969	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C3971,3972	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C3983,3984	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	2		
	C3987	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3988,3989	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C4001	nsp	CAP, CHIP(1608, 50V/18pF, C0G)_SAMSUNG		CCUS1H180JAS	1		
	C4002	nsp	CAP, CHIP(1608, 50V/15pF, C0G)_SAMSUNG		CCUS1H150JAS	1		
	C4005	nsp	CAP, CHIP(1005, 50V/33pF, C0G)_SAMSUNG		CCUI1H330JAS	1		
	C4006	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4009	nsp	CAP, CHIP(1608, 16V/0.15uF, X7R, X7S)_SAMSUNG		CCUS1C154KCS	1		
	C4010	nsp	CAP, CHIP(1005, 25V/0.012uF, X7R)_SAMSUNG		CCUI1E123KCS	1		
	C4011	nsp	CAP, CHIP(1608, 16V/0.15uF, X7R, X7S)_SAMSUNG		CCUS1C154KCS	1		
	C4012	nsp	CAP, CHIP(1005, 25V/0.012uF, X7R)_SAMSUNG		CCUI1E123KCS	1		
	C4016	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4017	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	1		
	C4018,4019	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4020	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C4021	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4022	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C4023-4039	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	17		
	C4040	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C4043-4059	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	17		
	C4061	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4063,4064	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4067,4068	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4069	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4070	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4072	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4073	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4074	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4075	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4078,4079	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4080	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4081	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4082	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4083	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4085,4086	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C4087	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4088	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4090,4091	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4092	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4093	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4094	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4095	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4096	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4097	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4098	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4099	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4100	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4101	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4102	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4103	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4104	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4105	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4106	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4107	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4109,4110	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4111	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4112	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4113	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4114	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4115	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4116	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4117	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4118	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4119	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4120	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4121	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4122	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4123	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4124	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4125	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4126	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4127	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4128	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4129	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4130,4131	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C4133,4134	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4135	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4136	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4137	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4139	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4141,4142	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4143	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4144	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4145	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4147	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4149	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4150	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4151	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4152	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4153	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4154	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4155	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4156	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4157	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4158	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4159	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4161	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4162	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4163	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4164,4165	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	2		
	C4167,4168	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4169	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4170	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4171	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4172	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4174,4175	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C4176	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4177,4178	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C4180	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4181	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4182	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C4183	nsp	CAP, CHIP(1005, 25V/0.01uF, X7R)_SAMSUNG		CCUI1E103KCS	1		
	C4201-4216	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	16		
	C4219	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	1		
	C4220-4223	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	4		
	C4301-4335	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	35		
	C4336,4337	nsp	CAP, CHIP(1608, 50V/9pF, C0G)_SAMSUNG		CCUS1H090DAS	2		
	C4338	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C4339-4349	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	11		
	C4353-4361	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	9		
	C4371-4373	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	3		
	C4374,4375	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	2		
	C4381-4384	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	4		
	C4396	nsp	CAP, SMD ELECT(16V/47uF)		CCEC1CMVG470T	1		
	C4404	nsp	CAP, SMD ELECT(16V/47uF)		CCEC1CMVG470T	1		
	C4406,4407	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	2		
	C4411,4412	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C4417,4418	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C4420,4421	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C4423,4424	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C5001	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C5002	nsp	CAP, CHIP(1005, 50V/1000pF, X7R)_SAMSUNG		CCUI1H102KCS	1		
	C5011,5012	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C5013,5014	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C5021,5022	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C5023,5024	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C5031,5032	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C5033,5034	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C5041,5042	nsp	CAP, CHIP(1608, 6.3V/4.7uF, X5R)_SAMSUNG		CCUS0J475KCS	2		
	C5043,5044	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C5091	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C5092,5093	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG		CCUS1A105KCS	2		
	C5094	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C5101	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C5111	nsp	CAP, CHIP(1005, 25V/0.022uF, X7R)_SAMSUNG		CCUI1E223KCS	1		
	OTHER PARTS GROUP							
	BK101-103	nsp	BRACKET , PCB		CMD1A569-V1	3		
	BK104	nsp	BRACKET , CY920		CMD1A924	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	BN21A	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1		
	BN23A,24	nsp	PIN SOCKET (27P,1.25mm,ANGLE,B-TO-B)		CJP27HJ282Z	2		
	BN25A	nsp	PIN SOCKET (23P,1.25mm,ANGLE, B-TO-B)		CJP23HJ282Z	1		
	BN26A	nsp	PIN SOCKET (09P,1.25mm,ANGLE,B-TO-B)		CJP09HJ282Z	1		
	BN27A	nsp	PIN SOCKET (15P,1.25mm,ANGLE,B-TO-B)		CJP15HJ282Z	1		
	CN152	nsp	WAFER, FFC, SMD(11P-1mm, STRAIGHT)		CJP11GA193ZY	1		
	CN221	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN251	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN252	nsp	WAFER, FFC, SMD(11P-1mm, STRAIGHT)		CJP11GA193ZY	1		
	CN253	nsp	WAFER, FFC, SMD(09-1mm, STRAIGHT)		CJP09GA193ZY	1		
	CN261	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN262	nsp	WAFER, FFC, SMD(11P-1mm, STRAIGHT)		CJP11GA193ZY	1		
	CN271	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN272	nsp	WAFER, FFC, SMD(11P-1mm, STRAIGHT)		CJP11GA193ZY	1		
	CN281	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN282	nsp	WAFER, FFC, SMD(11P-1mm, STRAIGHT)		CJP11GA193ZY	1		
	CN321	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/5PIN		CJP05GI288ZY	1		
	CN401	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN431	nsp	WAFER, FFC, SMD(23P-1mm, STRAIGHT)		CJP23GA193ZY	1		
	CN501,502	nsp	WAFER, 64pin (2 x 32 x 1.27mm) MALE SMD TYPE		CJP64GA321ZP	2		
	CN511,512	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	2		
	CN69B	nsp	WAFER, FFC, SMD(40P-1mm, STRAIGHT)		CJP40GA193ZY	1		
	CN704	nsp	WAFER, 2mm, SMD, Vertical, 07p		CJP07GA208ZY	1		
	CN903	nsp	WAFER, STRAIGHT 2.5MM DIP 06P		CJP06GA353ZJ	1		
	JK201	90M-YT003480R	JACK, 2P(B/B), GOLD		CJJ4N023Z	1		
	JK202,203	943262100150S	MODULE , OPTICAL(RX 16MHz)		CJSJSR1124	2		
	JK381-384	943643102920S	JACK , HDMI(TYPE-A, SMT-19P, WITH FLANGE)		CJJ9H021Z	4		
	JK391-394	943643102920S	JACK , HDMI(TYPE-A, SMT-19P, WITH FLANGE)		CJJ9H021Z	4		
	JK431	943643102920S	JACK , HDMI(TYPE-A, SMT-19P, WITH FLANGE)		CJJ9H021Z	1		
	JK501	943643102430S	JACK , RJ-45 W/TRANSFORMER		CJJ9L029Z	1		
	L1001	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	L1002-1006	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	5		
	L1008	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1009	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	L1010	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1011-1013	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	3		
	L1014,1015	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	2		
	L1016-1034	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	19		
	L1111	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1113,1114	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	2		
	L1121	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1124	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1131	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1134	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1141	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1144	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1151	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1154	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1161	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1164	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1171	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1174	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1181	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1184	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1191	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1194	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1201	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1204	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1211-1213	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	3		
	L1214	nsp	FERRITE CHIP BEAD(2012/120R)		CLZBLM21AG121SN	1		
	L1215	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1218	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1219	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	L2201	nsp	FERRITE CHIP BEAD(2012/220R, CB05YTYH221)		CLZ9R018V	1		
	L3501-3513	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	13		
	L3801,3802	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	2		
	L3804-3806	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	3		
	L3808	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	1		
	L3809,3810	nsp	BEAD , FERRRITE CHIP(16OHM/32X16 SIZE)		CLZFBMJ3216HL160	2		
	L3901,3902	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	2		
	L3904-3906	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	3		
	L3908	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	1		
	L3909	943113100000S	COMMON MODE FILTER (1210, 90ohm)		CLZ9Z188Z	1		
	L3910,3911	nsp	BEAD , FERRRITE CHIP(16OHM/32X16 SIZE)		CLZFBMJ3216HL160	2		
	L4001-4008	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	8		
	L4010	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L4012-4016	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	5		
	L4301	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	1		
	L4303-4305	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	3		
	L4307,4308	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN	2		
	L4309,4310	nsp	BEAD , FERRRITE CHIP(16OHM/32X16 SIZE)		CLZFBMJ3216HL160	2		
	L4311-4313	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	3		
	L4314	943113100000S	COMMON MODE FILTER (1210, 90ohm)		CLZ9Z188Z	1		
	L5091	nsp	RES, CHIP(2012/5%/0ohm)		CRJ18AJ0R0T	1		
	L5111,5112	nsp	COMMON MODE FILTER (2012, 90ohm)		CLZ9Z174Z	2		
	ST01	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	1		
	SW501	90M-SS000710R	SWITCH , SLIDE		KSS2B016Z	1		
	X1501	943141101260S	X-TAL, SMD(12MHz/8pF, FA-238V, 3.2X2.5)		COX12000I080SP	1		
	X2001	943141101310S	X-TAL, SMD(24.576MHz/10pF, FA-238, 3.2X2.5)		COX24576I100SP	1		
	X2501	943141101280S	X-TAL, SMD(25MHz/12pF, FA-238, 3.2X2.5)		COX25000I120SP	1		
	X2601	943141101280S	X-TAL, SMD(25MHz/12pF, FA-238, 3.2X2.5)		COX25000I120SP	1		
	X2701	943141101280S	X-TAL, SMD(25MHz/12pF, FA-238, 3.2X2.5)		COX25000I120SP	1		
	X2801	943141101280S	X-TAL, SMD(25MHz/12pF, FA-238, 3.2X2.5)		COX25000I120SP	1		
	X3501	943141101300S	X-TAL, SMD(27MHz/12pF, FA-238, 3.2X2.5)		COX27000I120SP	1		
	X3801	943141101290S	X-TAL, SMD(27MHz/7pF, FA-238, 3.2X2.5)		COX27000I070SP	1		
	X3901	943141101290S	X-TAL, SMD(27MHz/7pF, FA-238, 3.2X2.5)		COX27000I070SP	1		
	X4001	943141101300S	X-TAL, SMD(27MHz/12pF, FA-238, 3.2X2.5)		COX27000I120SP	1		
	X4301	943141101290S	X-TAL, SMD(27MHz/7pF, FA-238, 3.2X2.5)		COX27000I070SP	1		

7CH AMP PCB ASS'Y

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D7108,7109	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7118	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7139	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7208,7209	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7218	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7239	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7308,7309	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7318	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7339	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7408,7409	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7418	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7439	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7508,7509	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7518	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7539	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7608,7609	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7618	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7639	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7708,7709	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7718	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7739	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	Q7001	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7104	21785000550AS	T.R, PNP, DUAL, HN4A06J, SOT-25, TOSHIBA		CVTHN4A06J	1		
	Q7114	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7118	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7120,7121	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7125	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7131	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7132	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7138	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7139	943214500040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7204	21785000550AS	T.R, PNP, DUAL, HN4A06J, SOT-25, TOSHIBA		CVTHN4A06J	1		
	Q7214	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7218	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7220,7221	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7225	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7231	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7232	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7238	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7239	943214500040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7304	21785000550AS	T.R, PNP, DUAL, HN4A06J, SOT-25, TOSHIBA		CVTHN4A06J	1		
	Q7314	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7318	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7320,7321	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7325	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7331	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7332	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7338	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7339	943214500040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7404	21785000550AS	T.R, PNP, DUAL, HN4A06J, SOT-25, TOSHIBA		CVTHN4A06J	1		
	Q7414	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7418	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7420,7421	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7425	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7431	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7432	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7438	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7439	943214500040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7504	21785000550AS	T.R, PNP, DUAL, HN4A06J, SOT-25, TOSHIBA		CVTHN4A06J	1		
	Q7514	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7518	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7520,7521	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7525	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7531	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7532	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7538	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7539	943214500040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7604	21785000550AS	T.R, PNP, DUAL, HN4A06J, SOT-25, TOSHIBA		CVTHN4A06J	1		
	Q7614	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7618	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7620,7621	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7625	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7631	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7632	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7638	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7639	943214500040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7704	21785000550AS	T.R, PNP, DUAL, HN4A06J, SOT-25, TOSHIBA		CVTHN4A06J	1		
	Q7714	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7718	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7720,7721	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7725	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7731	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7732	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7738	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7739	943214500040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	ZD714	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD724	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD734	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD744	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD754	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD764	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD774	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	RESISTOR GROUP							
	R7001	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7002	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7012	943252101000S	PTC THEMISTORS, CHIP(65'C)		CRTPRF18BG471QB	1		
!	R7014	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB	1		
	R7016	nsp	RES, CARBON(1/5W,3.3Kohm,J)		CRD20TJ332T	1		
	R7017	nsp	RES, CARBON(1/5W,10Kohm,J)		CRD20TJ103T	1		
	R7018	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7101	nsp	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7102	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7103	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7104	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7105	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R7106	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7107	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R7108	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7110	nsp	RES, CARBON(1/5W,110ohm,J)		CRD20TJ111T	1		
	R7111	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7112	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7114	nsp	RES , METAL(1/2W, 27k OHM)		CRG12SANJ273T	1		
	R7116,7117	nsp	RES, CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	2		
	R7118,7119	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7120	nsp	RES, M-OXIDE FILM(2W/12Kohm)		CRG2SANJ123RT	1		
	R7121	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7124	nsp	RES, CHIP(1608/5%/2.7Kohm)		CRJ10DJ272T	1		
	R7125	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7126	nsp	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1		
	R7129,7130	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7131-7134	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7135,7136	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7137	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7138	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB	1		
	R7139	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7140	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7141	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7143	nsp	RES, CARBON(1/5W,47Kohm,J)		CRD20TJ473T	1		
	R7144	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7145	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7201	nsp	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7202	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7203	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7204	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7205	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7206	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7207	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R7208	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7210	nsp	RES, CARBON(1/5W,110ohm,J)		CRD20TJ111T	1		
	R7211	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7212	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7214	nsp	RES , METAL(1/2W, 27k OHM)		CRG12SANJ273T	1		
	R7216,7217	nsp	RES, CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	2		
	R7218,7219	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7220	nsp	RES, M-OXIDE FILM(2W/12Kohm)		CRG2SANJ123RT	1		
	R7221	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7224	nsp	RES, CHIP(1608/5%/2.7Kohm)		CRJ10DJ272T	1		
	R7225	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7226	nsp	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1		
	R7229,7230	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7231-7234	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7235,7236	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7237	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7238	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB	1		
	R7239	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7240	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7241	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7243	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7244	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7245	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7301	nsp	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7302	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7303	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7304	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7305	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7306	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7307	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R7308	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7310	nsp	RES, CARBON(1/5W,110ohm,J)		CRD20TJ111T	1		
	R7311	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7312	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7314	nsp	RES , METAL(1/2W, 27k OHM)		CRG12SANJ273T	1		
	R7316,7317	nsp	RES, CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	2		
	R7318,7319	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7320	nsp	RES, M-OXIDE FILM(2W/12Kohm)		CRG2SANJ123RT	1		
	R7321	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7324	nsp	RES, CHIP(1608/5%/2.7Kohm)		CRJ10DJ272T	1		
	R7325	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7326	nsp	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1		
	R7329,7330	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7331-7334	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7335,7336	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7337	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7338	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB	1		
	R7339	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7340	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7341	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7343	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7344	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7345	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7401	nsp	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7402	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7403	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7404	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7405	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7406	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7407	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R7408	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7410	nsp	RES, CARBON(1/5W,110ohm,J)		CRD20TJ111T	1		
	R7411	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7412	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7414	nsp	RES , METAL(1/2W, 27k OHM)		CRG12SANJ273T	1		
	R7416,7417	nsp	RES, CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	2		
	R7418,7419	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7420	nsp	RES, M-OXIDE FILM(2W/12Kohm)		CRG2SANJ123RT	1		
	R7421	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7424	nsp	RES, CHIP(1608/5%/2.7Kohm)		CRJ10DJ272T	1		
	R7425	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7426	nsp	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1		
	R7429,7430	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7431-7434	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7435,7436	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7437	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7438	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB	1		
	R7439	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7440	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7441	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7443	nsp	RES, CARBON(1/5W,47Kohm,J)		CRD20TJ473T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R7444	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7445	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7501	nsp	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7502	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7503	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7504	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7505	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7506	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7507	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R7508	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7510	nsp	RES, CARBON(1/5W,110ohm,J)		CRD20TJ111T	1		
	R7511	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7512	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7514	nsp	RES , METAL(1/2W, 27k OHM)		CRG12SANJ273T	1		
	R7516,7517	nsp	RES, CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	2		
	R7518,7519	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7520	nsp	RES, M-OXIDE FILM(2W/12Kohm)		CRG2SANJ123RT	1		
	R7521	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7524	nsp	RES, CHIP(1608/5%/2.7Kohm)		CRJ10DJ272T	1		
	R7525	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7526	nsp	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1		
	R7529,7530	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7531-7534	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7535,7536	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7537	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7538	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB	1		
	R7539	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7540	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7541	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7543	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7544	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7545	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7601	nsp	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7602	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7603	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7604	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7605	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7606	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7607	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R7608	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7610	nsp	RES, CARBON(1/5W,110ohm,J)		CRD20TJ111T	1		
	R7611	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7612	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7614	nsp	RES , METAL(1/2W, 27k OHM)		CRG12SANJ273T	1		
	R7616,7617	nsp	RES, CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	2		
	R7618,7619	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7620	nsp	RES, M-OXIDE FILM(2W/12Kohm)		CRG2SANJ123RT	1		
	R7621	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7624	nsp	RES, CHIP(1608/5%/2.7Kohm)		CRJ10DJ272T	1		
	R7625	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7626	nsp	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1		
	R7629,7630	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7631-7634	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7635	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7636	nsp	RES, CARBON(1/5W,10Kohm,J)		CRD20TJ103T	1		
	R7637	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7638	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB	1		
	R7639	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7640	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7641	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7643	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7644	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7645	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7701	nsp	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7702	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7703	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7704	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7705	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7706	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7707	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R7708	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7710	nsp	RES, CARBON(1/5W,110ohm,J)		CRD20TJ111T	1		
	R7711	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7712	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7714	nsp	RES , METAL(1/2W, 27k OHM)		CRG12SANJ273T	1		
	R7716,7717	nsp	RES, CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	2		
	R7718,7719	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7720	nsp	RES, M-OXIDE FILM(2W/12Kohm)		CRG2SANJ123RT	1		
	R7721	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7724	nsp	RES, CHIP(1608/5%/2.7Kohm)		CRJ10DJ272T	1		
	R7725	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R7726	nsp	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1		
	R7729,7730	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7731-7734	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7735,7736	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7737	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7738	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB	1		
	R7739	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7740	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7741	nsp	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7743	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7744	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7745	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	CAPACIITORS GROUP							
	C7001	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R) SAMSUNG		CCUS1H103KCS	1		
	C7011,7012	nsp	CAP, ELECT(10V/330uF)		CCEA1AH331T	2		
	C7013	nsp	CAP, ELECT(10V/47uF)		CCEA1AH470T	1		
	C7101	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7102	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7104	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7106	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C7107	nsp	CAP, MYLAR(50V/2200pF/J)		HCQI1H222JZT	1		
	C7112	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7120,7121	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7125	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C7138	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R) SAMSUNG		CCUS1H104KCS	1		
	C7201	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7202	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7204	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7206	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C7207	nsp	CAP, MYLAR(50V/2200pF/J)		HCQI1H222JZT	1		
	C7212	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7220,7221	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C7225	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C7238	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C7301	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7302	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7304	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7306	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C7307	nsp	CAP, MYLAR(50V/2200pF/J)		HCQI1H222JZT	1		
	C7312	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7320,7321	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7325	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C7331,7332	nsp	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C7338	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C7401	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7402	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7404	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7406	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C7407	nsp	CAP, MYLAR(50V/2200pF/J)		HCQI1H222JZT	1		
	C7412	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7420,7421	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7425	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C7431,7432	nsp	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C7438	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C7501	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7502	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7504	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7506	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C7507	nsp	CAP, MYLAR(50V/2200pF/J)		HCQI1H222JZT	1		
	C7512	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7520,7521	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7525	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C7531,7532	nsp	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C7538	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C7601	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7602	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7604	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7606	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C7607	nsp	CAP, MYLAR(50V/2200pF/J)		HCQI1H222JZT	1		
	C7612	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7620,7621	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7625	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C7631,7632	nsp	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C7638	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C7701	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7702	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7704	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7706	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C7707	nsp	CAP, MYLAR(50V/2200pF/J)		HCQI1H222JZT	1		
	C7712	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7720,7721	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7725	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C7731,7732	nsp	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C7738	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	OTHER PARTS GROUP							
	BK701	nsp	BRACKET , PCB		CMD1A569-V1	1		
	BN710	nsp	WIRE ASS'Y (7P,2.0MM,180MM,UL1007#26)		CWB1B007180LC	1		
	CN461	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN		CJP13GI288ZY	1		
	CN701	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/4PIN		CJP04GI289ZY	1		
	CN702	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1		
	CN703	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/7PIN		CJP07GI289ZY	1		
	CN704	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/6PIN		CJP06GI289ZY	1		
	CN715	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN725	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN735	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN745	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN755	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN765	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN775	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	GND71	nsp	PLATE , EARTH(TRONIC ELECTRONICS)		CJT1A026	1		
	VR714	943161000920S	RES,SEMI FIXED(1K, Vertical)		CVN12E102B03T	1		
	VR724	943161000920S	RES,SEMI FIXED(1K, Vertical)		CVN12E102B03T	1		
	VR734	943161000920S	RES,SEMI FIXED(1K, Vertical)		CVN12E102B03T	1		
	VR744	943161000920S	RES,SEMI FIXED(1K, Vertical)		CVN12E102B03T	1		
	VR754	943161000920S	RES,SEMI FIXED(1K, Vertical)		CVN12E102B03T	1		
	VR764	943161000920S	RES,SEMI FIXED(1K, Vertical)		CVN12E102B03T	1		
	VR774	943161000920S	RES,SEMI FIXED(1K, Vertical)		CVN12E102B03T	1		

EXPLODED

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C1	nsp	FRONT PCB ASS'Y		COP12624T-1	1		
	├C45	-	HP PCB ASS'Y		COP12624T-2	1		
	└C10	-	GUIDE TOP PCB ASS'Y		COP12624T-3	1		
	C29	nsp	SPK PCB ASS'Y		COP12627W-1	1	*	
	├C7	-	GUIDE L PCB MANUAL ASS'Y		COP12627W-5	1		
	└C27	-	FUSE PCB ASS'Y		COP12627W-2	1		
	C41	nsp	HDAM PCB ASS'Y		COP12635Q	1		
	C11	nsp	SMPS PCB MANUAL ASS'Y		COP12765Q	1	*	
	C20	nsp	VIDEO PCB ASS'Y		COP12766Q-1	1		
	└C4	-	FRONT CONT FFC PCB ASS'Y		COP12766Q-3	1		
	C26	-	FRT CNT PCB ASS'Y		COP12769Q-1	1		
	C28	nsp	SIDE CONT PCB ASS'Y		COP12770Q-1	1		
	├C39	-	INPUT PCB ASS'Y		COP12773Q-1	1		
	├C44	-	CONNECT-2 PCB ASS'Y		COP12773Q-2	1		
	├C43	-	CONNECT-3 PCB ASS'Y		COP12773Q-3	1		
	├C42	-	CONNECT-4 PCB ASS'Y		COP12773Q-4	1		
	└C5	-	F HDMI PCB ASS'Y		COP12773R-5	1		
	C21	9U6391025700S	HDMI PCB ASSY •Change the resistor for setting the region. •地域を設定するための抵抗を変更します。 (See PROCEDURE AFTER REPLACING THE PRINTED CIRCUIT BOARDS.) (基板を交換した場合の対応についてを参照)		COP12775Q	1	*	
	C8	nsp	AMP PCB ASS'Y		COP12779Q	1		
	C22	9R1891003100M	CY920 MODULE ASSY (8802/U)		CNVCY920-C-RA	1		
	C23	nsp	WIFI ANTENNA			2		
	C2	TO FRONT-BN605	WIRE ASS'Y (5P,2.0mm,450mm,UL2725#24/#28,1P+2C)USB		CWB8A005450HC	1		
	C3	943606502550S	CARD CABLE , (1mm/40P/250mm/B/SHIELD)		CWC4F2A40A250B0	1		
	C6	943606502540S	CARD CABLE(1mm/23P/280mm/B/SHIELD)		CWC4F2A23A280B1	1		
	C9	TO 7CH AMP-BN710	WIRE ASS'Y (7P,2.0MM,180MM,UL1007#26)		CWB1B007180LC	1		
	C12	TO SMPS-C9020	CAP, ELECT(6.3V/5600uF)		CCEA0JNXA562ES	1		
	C13	TO SMPS-C9021	CAP, ELECT(6.3V/5600uF)		CCEA0JNXA562ES	1		
	C14	TO SMPS-C9022	CAP, ELECT(6.3V/5600uF)		CCEA0JNXA562ES	1		
	C15	TO SMPS-BN901	WIRE ASS'Y LOCKING (6P,2.5mm,350mm,UL1569#22,105)		CWB7D006350AGD	1		
!	C16	TO SMPS-T9001	TRANS, SWITCHING		CLT9Z119ZE	1		
	C17	TO SMPS-C9004	CAP, ELECT(200V/220uF),105'C	U	CCET200NHA221ES	1		
	C17	TO SMPS-C9004	CAP , ELECT (400V/100UF, 18X40, NHA)	N	CCET400NHA101ES	1		
!	C18	TO SMPS-LF901	LINE FILTER(1.2A,29mH)	U	CLZ9Z176Z	1		
!	C18	TO SMPS-LF901	LINE FILTER(0.7A,65mH)	N	CLZ9Z177Z	1		
!	C19	943101102520D	TRANS , POWER(EI96 X 65)	U	CLT5V068ZU	1		
!	C19	943101102530D	TRANS , POWER(EI96 X 65)	N	CLT5V068ZE	1		
	C24	-	2P WIRE ASS'Y(100MM)		CWZPM5003TW91A	1		
!	├RT01	00MYJ04002640	RECEPTACLE , AC(15A/250V,R-301,B21)		CJJ8A006ZW	1		
	└TW91	nsp	2P WIRE ASS'Y(100MM)		CWZPM5003TW91	1		
	C25	nsp	TERMINAL , GROUND		CMA1A006	1		
	C30	TO SPK-C9705	CAP, ELECT(71V/12000uF),35*58L,NICHICON		CCET71VLKS123N	1		
	C31	TO SPK-C9706	CAP, ELECT(71V/12000uF),35*58L,NICHICON		CCET71VLKS123N	1		
	C32	TO SPK-BN782	WIRE ASS'Y LOCKING (5P,2.5MM,100MM,UL1007#20)		CWB1E0051003D	1		
	C33	TO SPK-BN706	WIRE ASS'Y (3P,2.0MM,100MM,UL1569#24,105 degree)		CWB7C003100HC	1		
	C34	TO SPK-BN704	WIRE ASS'Y LOCKING (6P,2.5MM,300MM,UL1569#20,105)		CWB7E0063003D	1		
	C35	TO SPK-BN703	WIRE ASS'Y LOCKING (7P,2.5MM,180MM,UL1569#20,105)		CWB7E0071803D	1		
	C36	TO SPK-BN701	WIRE ASS'Y LOCKING (4P,2.5MM,220MM,UL1569#20,105)		CWB7E0042203D	1		
	C37	TO SPK-BN702	WIRE ASS'Y LOCKING (5P,2.5MM,220MM,UL1569#20,105)		CWB7E0052203D	1		
	C38	TO SPK-BN932	WIRE ASS'Y LOCKING (9P,2.0MM,220MM,UL1007#26)		CWB1B009220HC	1		
	C40	TO INPUT-BN461	WIRE ASS'Y Locking (YH) (13P,2MM,150MM,#26)		CWB1B013150HC	1		
	M1	421410006004M	BADGE , MARANTZ		CGB1A206	1		
	M2	943402105820S	PANEL , AL FRONT	U1B	CKM1A249GC23	1	*	
	M2	943402105830S	PANEL , AL FRONT	N1B	CKM1A249FC23	1	*	
	M2	943402105840S	PANEL , AL FRONT	N1SG	CKM1A249EC62	1	*	
	M3	412410005014M	VOLUME KNOB ASS'Y	BK	CGK1A133YA	2		
	M3	943412002020M	VOLUME KNOB ASS'Y	SG	CGK1A133XA	2		
	M4	943417100520M	DOOR . AL	BK	CKM1A278C23	1		
	M4	943417100530M	DOOR , AL	SG	CKM1A278C62	1		
	M5	00M10BW112010	BASE,SHAFT		CDF1A018	2		
	M6	00M10BW104010	BRACKET,BASE		CMD1A542	1		
	M7	00M10BW305010	MAGNET,BASE		CJC1A008	1		
	M8	nsp	EARTH , USB		CMC1A435	1		
	M9	nsp	EARTH , AUX		CMC1A434	1		
	M10	nsp	EARTH , FRONT		CMC1A437	1		
	M11	nsp	EARTH , EMC		CMC1A456	1		
	M12	943403101120D	CABINET , TOP	BK	CKC3A155K117	1		
	M12	943403101130D	CABINET , TOP	SG	CKC3A155D11	1		
	M13	nsp	CHASSIS , BOTTOM		CUA2A358	1	*	
	M14	nsp	HEAT SINK		CMY1A372-V1	1		
	M15	nsp	BRACKET , AMP PCB		CMD1A796	5		
	M16	nsp	SMPS BRACKET		CMD1A790	1		
	M17	TO SMPS-IC901-2	HEATSINK , TR		CMY7A025	1		
	M18	TO SMPS-D9012-1	TR HEATSINK		CMY3A238	1		
	M19	nsp	SHEILD , TRANS COVER		CMC1A445	1		
	M20	nsp	PCB BRACKET(HDMI)		CMD1A791	1		
	M21	nsp	PANEL , REAR	U	CKF4A499Z	1	*	
	M21	nsp	PANEL , REAR	N	CKF4A499Y	1	*	
	M22	nsp	WASHER , GROUND		CNW1A035	1		
	M23	nsp	WASHER		-	2		
	M24	nsp	NUT		-	2		
	M25	nsp	NUT		-	2		
	M26	nsp	WASHER		-	2		
	P1	481510019100M	LENS , IR	BK	CGU1A460	1		
	P1	481510019131M	LENS , IR	SG	CGU1A460Y	1		
	P2	943424100400M	ORNAMENT , RING	BK	CGR1A525	1		
	P2	943424100420M	ORNAMENT , RING	SG	CGR1A525C73	1		
	P3	416510046009M	WINDOW		CGU1A455	1		
	P4	416510047101M	SHEET , VFD		CGX1A449Y	1		
	P5	424510002017M	ORNAMENT , VOLUME	BK	CGR1A449B37	2		
	P5	943424002030M	ORNAMENT , VOLUME	SG	CGR1A449RMD10	2		
	P6	943422101100S	ORNAMENT, INNER DOOR	BK	CGR1A578X	1	*	
	P6	943422101110S	ORNAMENT, INNER DOOR	SG	CGR1A578RMWD10	1	*	
	P7	454510002018M	HOLDER , DOOR AV8003	BK	CKG1A053B37	1		
	P7	417510015039M	HOLDER , DOOR	SG	CKG1A053RMD10	1		
	P8	943411103370M	ORNAMENT , BUTTON	BK	CGX1A506Z	1		
	P8	943411103360M	ORNAMENT , BUTTON	SG	CGX1A506Y	1		
	P9	943443101050M	PANEL , FRONT	BK	CGW1A557RNZB37	1		
	P9	943443101060M	PANEL , FRONT	SG	CGW1A557ROYD10	1		
	P10	411510015017M	KNOB , TACT POWER AV8003/U	BK	CBT1A1072	1		
	P10	411510021036M	KNOB , POWER	SG	CBT1A1072RMD10	1		
	P11	00M10BW355010	INDICATOR,POWER		CGL1A231	1		
	P12	943474001390S	GEAR , DEMPER AV8003		CDG1A027Z	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	P13	nsp	COVER , DAMPER	BK	CMH1A368	1		
	P13	nsp	COVER , DAMPER	SG	CMH1A368RO	1		
	P14	943411103340M	BUTTON , 9KEY	BK	CBT1A1198B37	1		
	P14	943411103350M	BUTTON , 9KEY	SG	CBT1A1198RMD10	1		
	P15	nsp	FOOT , FRONT		CKL2A042H46	4		
	P16	00M32CW107010	CUSHION , FOOT		CHG1A360	4		
	P17	nsp	RUBBER		CHG1A113	5		
	P18	nsp	HOLDER , PCB		CHE170	3		
	P19	nsp	SUPPORT , RUBBER		CHG1A535	1		
	P20	nsp	SUPPORT, PCB		CRE1A102	1		
	P21	nsp	SPACER , PCB		CRE1A132	1		
	P22	nsp	SPACER , PCB		CRE1A116	2		
	P23	nsp	ORNAMENT , REAR PANEL		CGX1A520Z	1	*	
	P24	nsp	ORNAMENT , REAR PANEL A		CGX1A511Z	1		
	P25	nsp	SHEET , SCREW		CGX1A439	1		
	P26	nsp	LABEL , POP	U	CQB1A1404Z	1	*	
	P26	nsp	LABEL , POP	N	CQB1A1405Z	1	*	
	P27	nsp	LABEL , LICENSE	U	CQB1A1455Z	1	*	
	P27	nsp	LABEL , LICENSE	N	CQB1A1457Z	1	*	
	SCREW GROUP							
	S1	nsp	SCREW	BK	CTB3+8JFZR	9		
	S1	nsp	SCREW	SG	CTB3+8JFN	9		
	S2	nsp	SCREW		CTW3+8JR	19		
	S3	nsp	SCREW		CTB3+10JR	26		
	S4	nsp	SCREW		CTB3+8JR	23		
	S5	nsp	SCREW , SPECIAL		CHD3A012R	21		
	S6	nsp	SCREW		CTW3+12JR	3		
	S7	nsp	SCREW		CTB3+6JR	4		
	S8	nsp	SCREW		CTB3+6FR	8		
	S9	nsp	SCREW		CTBD3+8JFZR	34		
	S10	nsp	SCREW		CTBD3+6FFZR	13		
	S11	nsp	SCREW	BK	CTBD4+8JFZR	6		
	S11	nsp	SCREW	SG	CTBD4+8JFN	6		
	S12	nsp	SCREW , TRANS		CHDR1A023R	4		
	S13	nsp	SCREW		CTB26+8JFZR	3		
	S14	nsp	SCREW		CTWS3+10GR	1		
	S15	nsp	SCREW	BK	CTBD3+8JFZR	3		
	S15	nsp	DOT SCREW	SG	CTBD3+8JFN	3		
	S16	nsp	SCREW		CTB3+8JFZR	2		

PACKING

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

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

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

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

B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	1	-	SET , RECEIVER		-	1		
	2	nsp	SHEET , POLY		CPB2A213	1		
	4	943533102660M	PAD , SNOW BOTTOM		CPS1A942-V1	1		
	5	943533102690M	PAD , SNOW TOP		CPS1A995	1		
	6	943531105370S	BOX , OUT CARTON		CPG1A1071Z	1	*	
	8	-	INSTRUCTION MANUAL ASS'Y	U	CQXSR6010/U	1	*	
	8	-	INSTRUCTION MANUAL ASS'Y	N	CQXSR6010/N	1	*	
	8-1	35201040801AM	CD MANUAL ASS'Y	N	CFT1A175ZA	1	*	
	8-2	nsp	SHEET , SPOTIFY INSERTION		CQE1A821Z	1	*	
	8-3	nsp	SHEET , FIRMWARE INSERTION	U	CQE1A823Z	1	*	
	8-4	nsp	SHEET , DTS X U	U	CQE1A825Z	1	*	
	8-4	nsp	SHEET , DTS X N	N	CQE1A824Z	1	*	
	8-5	54111130700AM	MANUAL , GUIDE	U	CQX1A1917Z	1	*	
	8-5	54111130701AM	MANUAL , GUIDE	N	CQX1A1918Z	1	*	
	8-6	nsp	BAG , ZIPPER POLY(A5)		CPB1A227Z	1		
	9	-	ACCESSORY ASS'Y	U	CSASR6010/U	1	*	
	9	-	ACCESSORY ASS'Y	N	CSASR6010/N	1	*	
	9-1	nsp	BAG,POLY		CPB1A216Z	1		
	9-2	943606502890S	LABEL , SPEAKER CABLE		CQB1A1260Y	1		
	9-3	nsp	CARD , WARRANTY	U	CQE1A131V	1		
	9-4	nsp	WARRANTY CANADA	U	CQE1A132U	1	*	
	9-5	nsp	SAFETY INSTRUCTION	U	CQE1A827Z	1		
	9-5	nsp	SAFETY INSTRUCTION	N	CQE1A799Z	1		
	9-6	nsp	NOTE ON RADIO		CQE1A828Z	1		
	9-7	nsp	LABEL , AM ANTENNA		CQB1A1240Z	1		
	9-8	nsp	LABEL , FM ANTENNA		CQB1A1241Z	1		
	9-9	963116100070S	ANT, AM LOOP(9.5uH/5T)		CSA1A039Y	1		
	9-10	943116100170D	FM 1 POLE ANT (UL TYPE)		CSA1A044Z	1		
	10	-	WIFI-FLY SHEET ASS'Y		CQE1A728ZA	1		
	10-1	nsp	POLY , BAG		CPB1A240Z	1		
	10-2	nsp	SHEET , WIFI ANTENNA FLY		CQE1A728Z	1		
	10-3	11601005400AS	WI-FI ANTENNA(RFDPA870900SBAB801)		-	2		
	11	963549101000D	MIC STAND ASS'Y		CPG1A1021YA	1		
!	12	943611500750D	CORD , POWER (PLUG+SOCKET) UL ,(WHITE BANDING)	U	CJA2A119YL	1		
!	12	943611500760D	CORD , POWER (PLUG+SOCKET) EUR ,(WHITE BANDING)	N	CJA2B120Y	1		
	13	nsp	BAG , POLY		CPB1A008Z	1		
	14	30701020500AM	REMOCON ASS'Y (RC025SR)		CARTSR6009	1		
	15	nsp	BATTERY , AAA 2PCS IN PACK		CABR03PPB-GN	2		
	16	32401000800AD	MIC , AUDYSSEY		CJXACM1HB	1		
	17	nsp	LABEL , MIC		CQB1A1242Z	1		
	18	nsp	LABEL , CONTROL		CQB2A993Z	1		
	19	nsp	LABEL , SERIAL NO		CQB1A995	4		
	20	nsp	LABEL , XM SPOTIFY	U	CQB1A1415Z	1	*	
	20	nsp	LABEL , SPOTIFY	N	CQB1A1416Z	1	*	
	21	nsp	LABEL , DTS X BOX		CQB1A1439Z	2		
	22	TO EXPLODED-P26	LABEL , POP	U	CQB1A1404Z	1	*	
	22	TO EXPLODED-P26	LABEL , POP	N	CQB1A1405Z	1	*	
	23	nsp	LABEL , SPOTIFY		CQB1A1299Z	1		
	24	nsp	LABEL , DTS X FRONT		CQB1A1438Z	1		
	25	nsp	TAPE , FILAMENT		C4FE187	0.2		
	26	TO EXPLODED-P27	LABEL , LICENSE	U	CQB1A1455Z	1	*	
	26	TO EXPLODED-P27	LABEL , LICENSE	N	CQB1A1457Z	1	*	
	27	544110091014M	LABEL , WHITE M1 SG	SG	CQB1A908Z	2		
	28	nsp	LABEL , DO NOT RETURN	U	CQB1A1422Z	1	*	