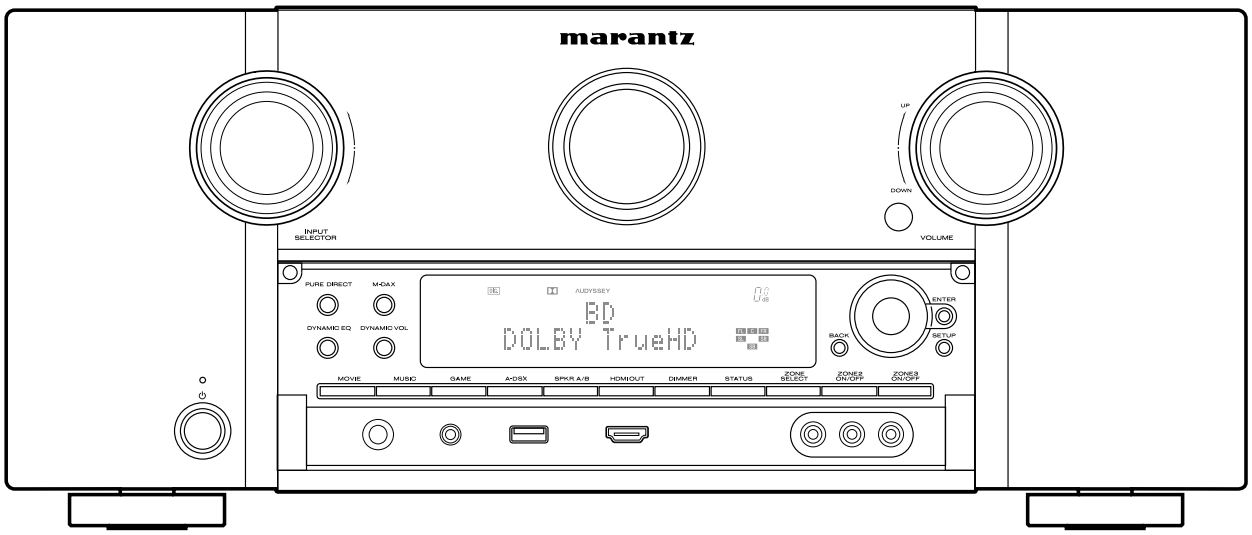
Service Manual

AV7702mkII /U1B/N1B

AV Pre Tuner



- 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®

AV7702mkII

Ver. 4

Please refer to the MODIFICATION NOTICE.

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

S1306V04DM/DG1607

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ABOUT THIS MANUAL

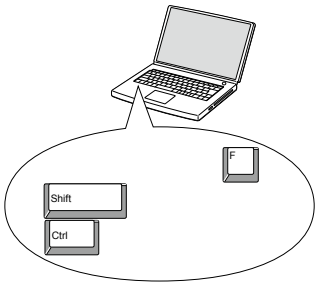
Read the following information before using the service manual.

What you can do with this manual

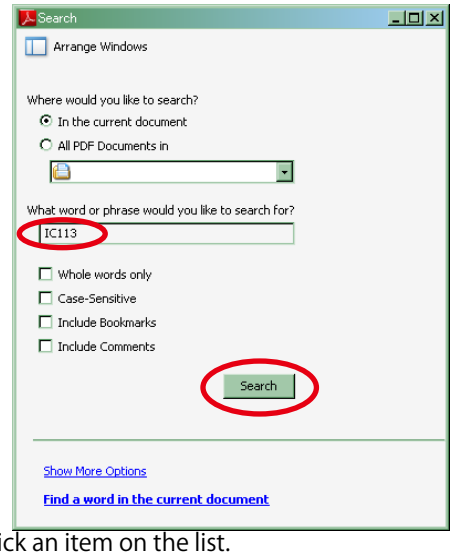
Search for a Ref. No. (phrase) (Ctrl+Shift+F)

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.



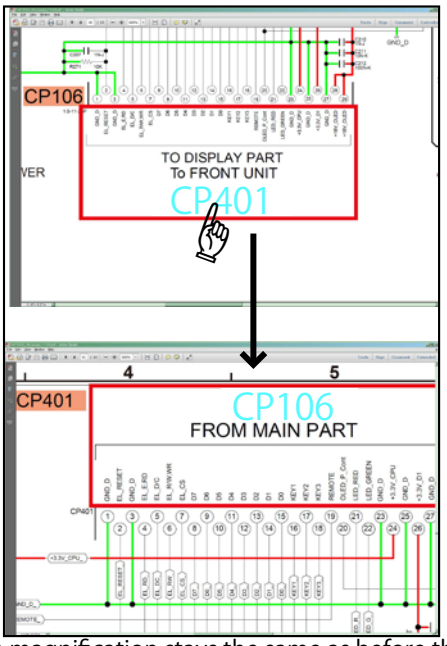
2. Enter the Ref. No. you want to search for in the Search window, and then click the **Search** button.
- A list of search results appears.



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.

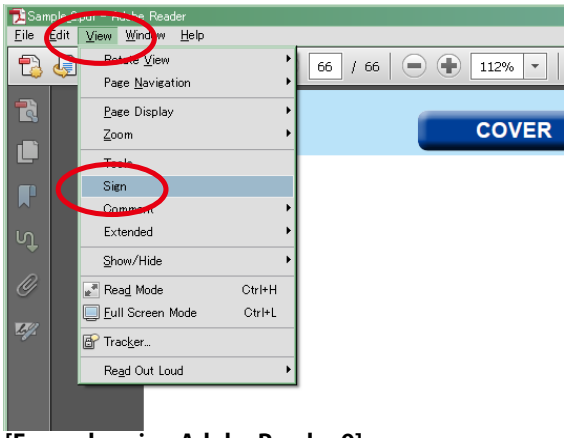
Using Adobe Reader (Windows version)

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.

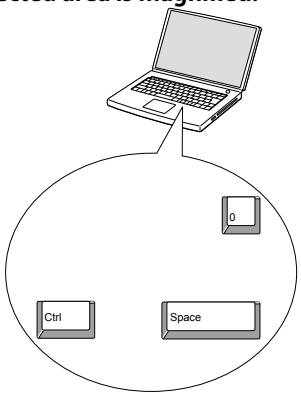


[Example using Adobe Reader 9]
On the **"Document"** menu, click **"Sign"**.

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.**

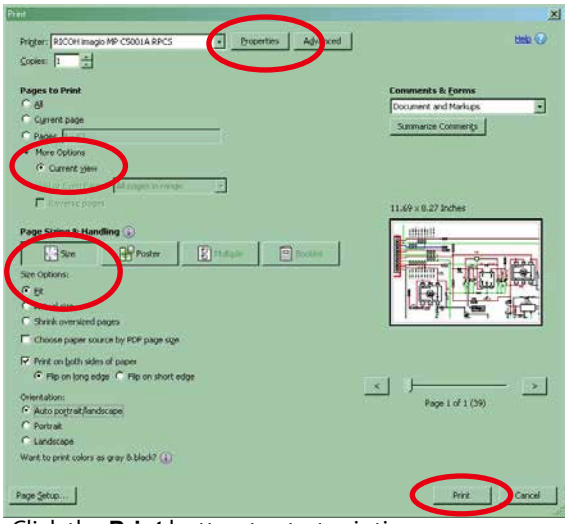


- When you want to move the area shown, hold down **Space** and drag the mouse.
- When you want to show a full page view, press **Ctrl+0** on the keyboard.

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"**

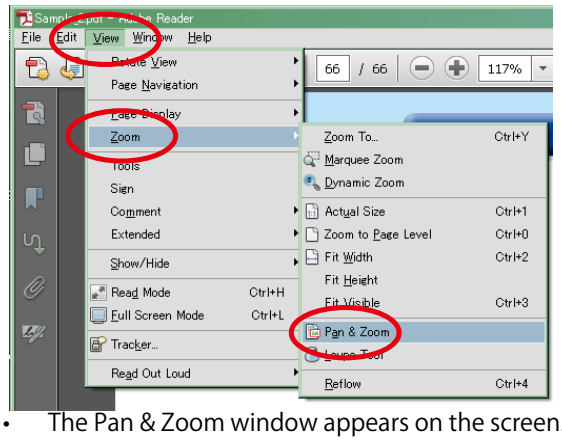
4. Click the **Print** button to start printing.

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

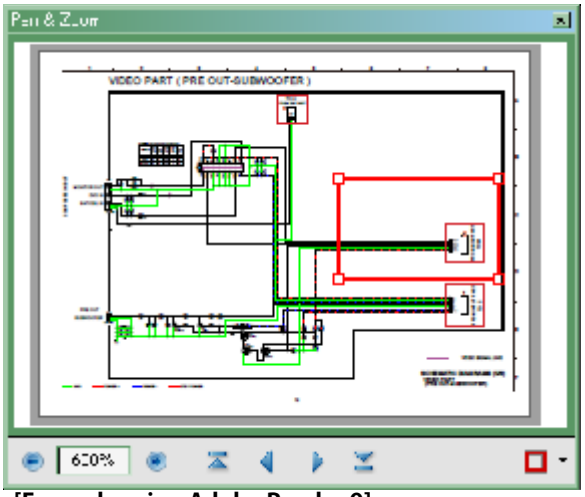
The Pan & Zoom function lets you see which part of a magnified diagram is being shown in a separate window.

[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]

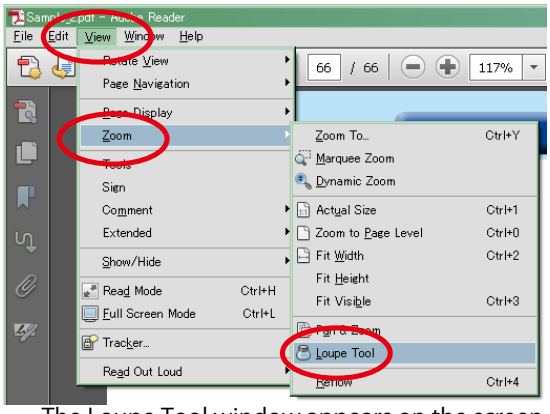
On the **"Tools"** menu, point to **"Select & Zoom"**, and then click **"Pan & Zoom Window"**.

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

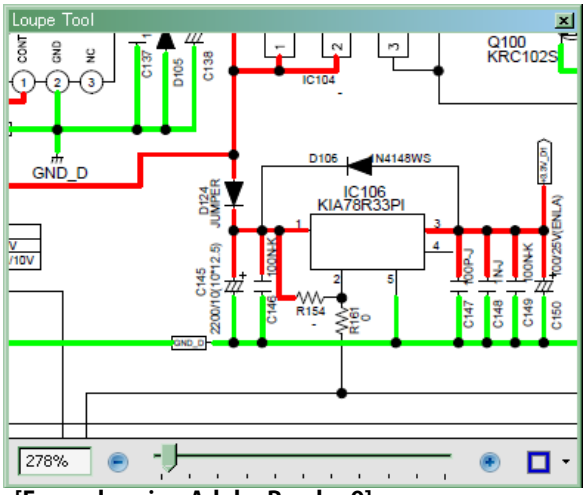
The Loupe Tool function lets you magnify a specific part of a diagram in a separate window.

[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

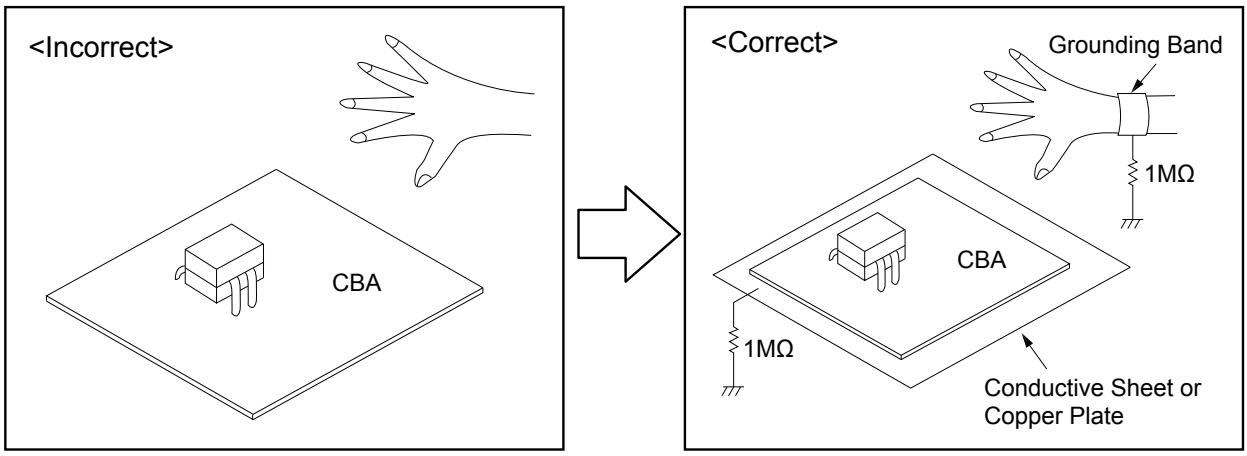
Electrostatic breakdown of the semi-conductors or optical pickup may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

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

- **Analog**

  Input sensitivity/Input impedance : 200 mV/47 kΩ/kohms
  Frequency response : 10 Hz – 100 kHz — +1, –3 dB (Direct mode)
  S/N : 105 dB (IHF–A weighted, Direct mode)
  Distortion : 0.005 % (20 Hz – 20 kHz) (Direct mode)
  Rated output : Unbalanced RCA pre-output : 1.2 V
  Balanced XLR pre-output: 2.4 V

- **Digital**

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

- **Phono equalizer**

  Input sensitivity : 2.5 mV
  RIAA deviation : ±1 dB (20 Hz to 20 kHz)
  S/N : 74 dB (A weighting, with 5 mV input)
  Distortion factor : 0.03 % (1 kHz, 3 V)

❑ Video section

- **Standard video connectors**

  Input/output level and impedance : 1 Vp-p, 75 Ω/ohms
  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
  PB / CB signal — 0.7 Vp-p, 75 Ω
  PR / CR signal — 0.7 Vp-p, 75 Ω
  Frequency response : 5 Hz - 60 MHz — 0, –3 dB

❑ Tuner section

(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 530 kHz - 1710 kHz (for U)
AM 522 kHz - 1611 kHz (for N)

Effective sensitivity :
FM 1.5 μV (14.8 dBf) (for U)
FM 1.2 μV (12.8 dBf) (for N)
AM 20 μV (for U)
AM 18 μV (for N)

S/N ratio :
MONO — 78 dB (for U)
MONO — 70 dB (for N)
STEREO — 68 dB (for U)
STEREO — 67 dB (for N)
HD — 85 dB (for U)

Distortion :
MONO — 0.1 % (for U)
MONO — 0.7 % (for N)
SRETEO — 0.2 % (for U)
SRETEO — 1.0 % (for N)
HD — 0.02 % (for U)

❑ 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 : 60 W

Power consumption in standby mode : 0.2 W

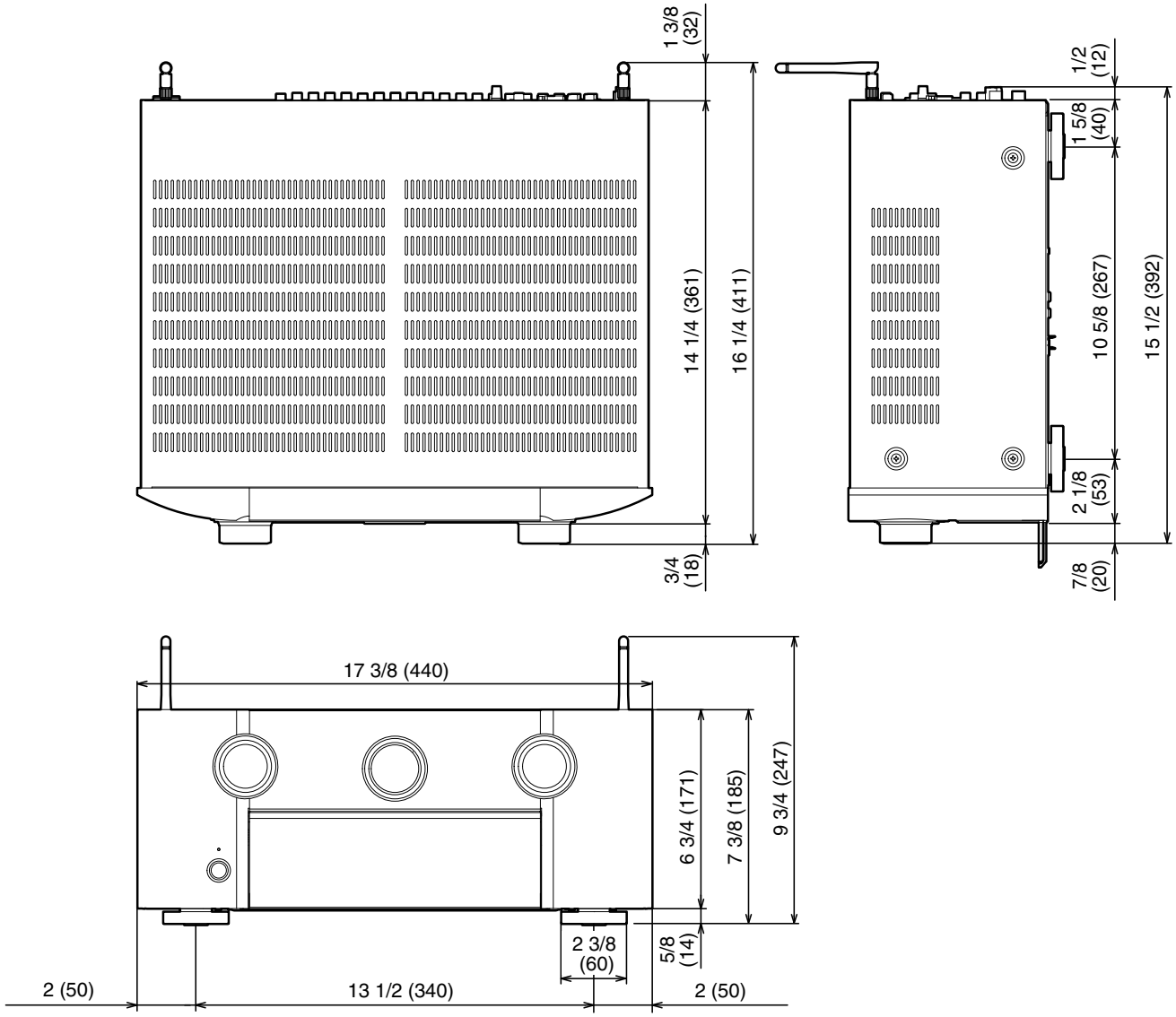
Power consumption in CEC standby mode : 0.5 W

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 : 22 lbs 8 oz (10.2 kg)



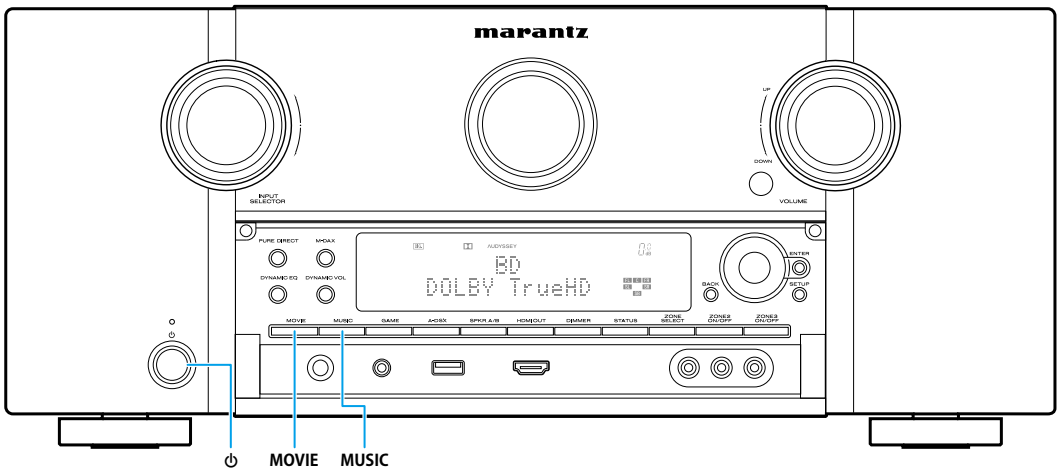
CAUTION IN SERVICING

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 "**MOVIE**" and "**MUSIC**" simultaneously, press the power button to turn on the power.
3. Release the buttons after confirming that the display flashes at 1-second intervals.
   ∗ The unit is initialized.

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

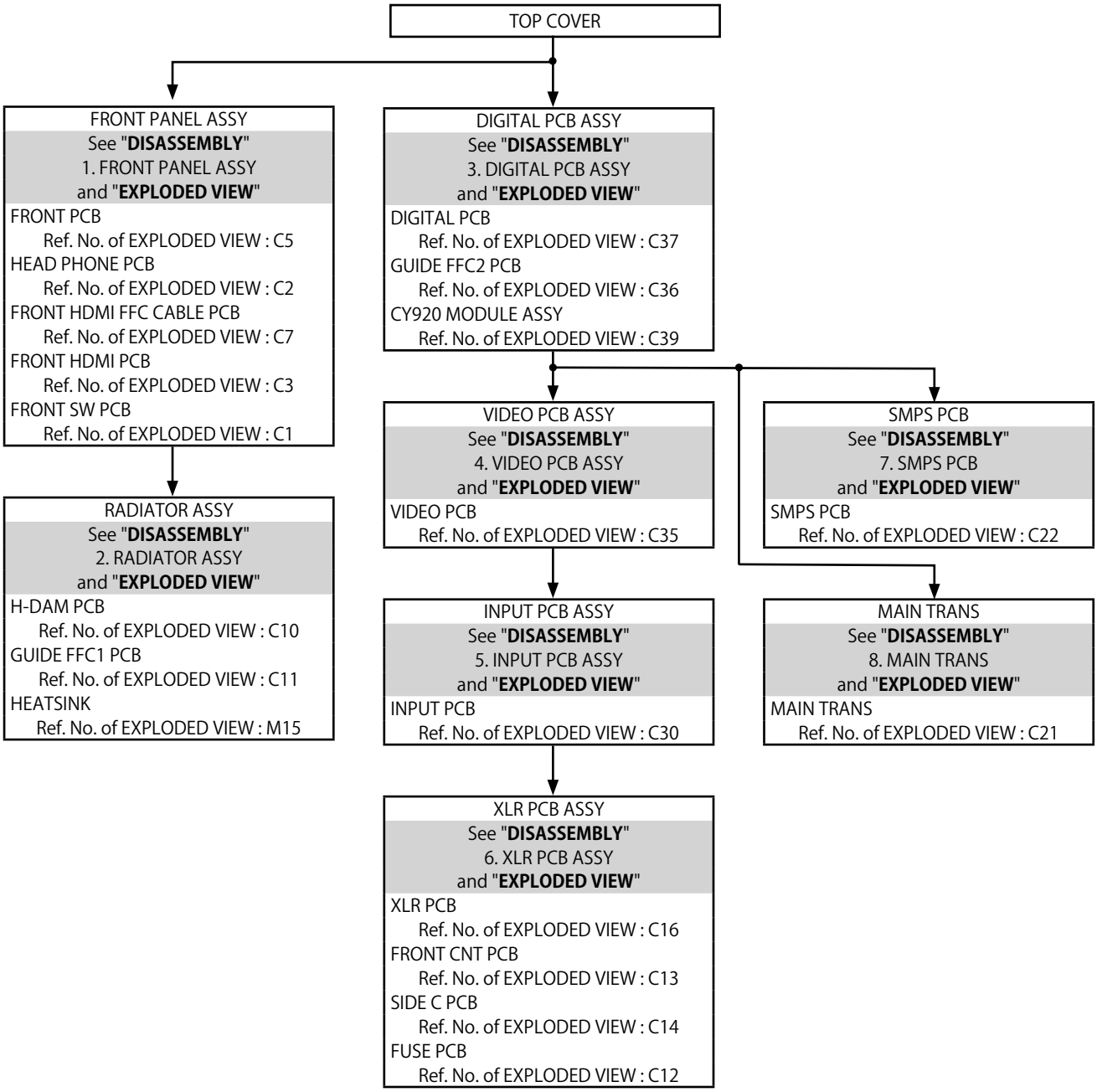
Use the following jigs (extension cable kit) when repairing the PCBs.
Order with your dealer for the jigs your dealer if necessary.

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

(See page 72)

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.

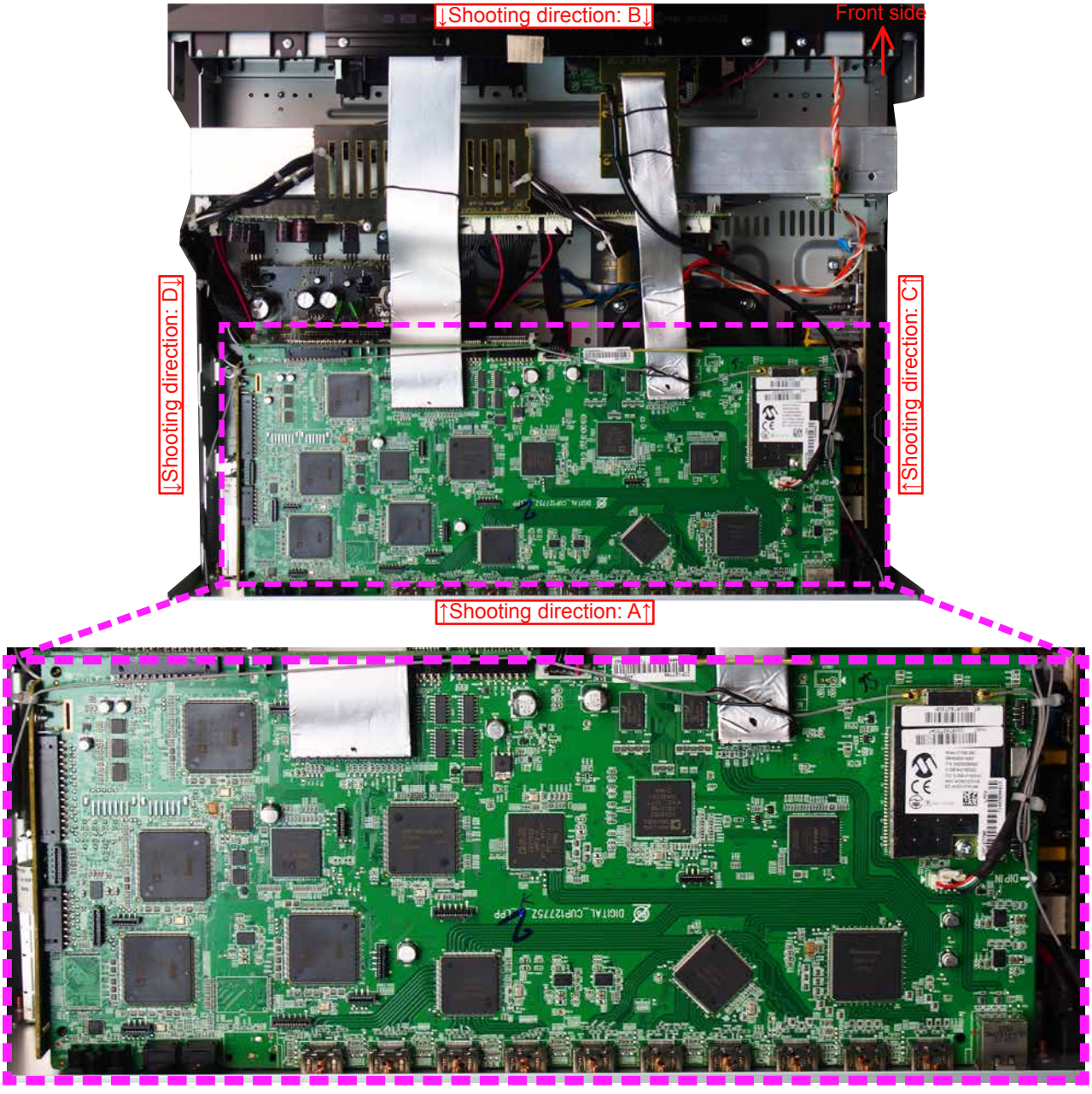


Explanatory Photos for DISASSEMBLY

- 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 AV7702mkII U are used in this manual.

The viewpoint of each photograph

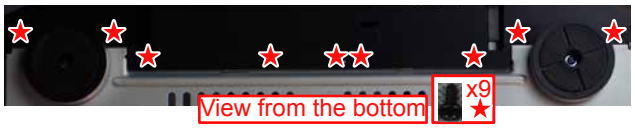
(Shooting direction : X) [View from the top]



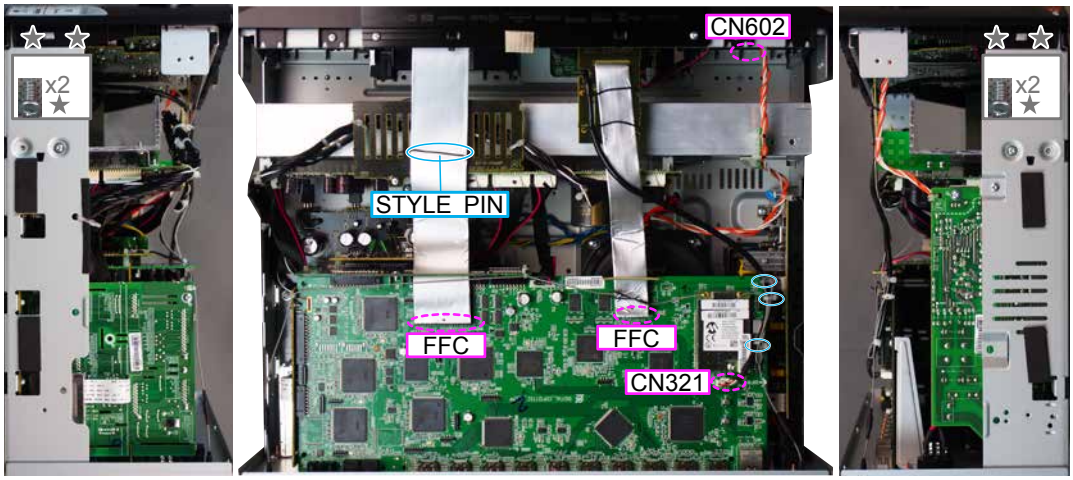
1. FRONT PANEL ASSY

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.

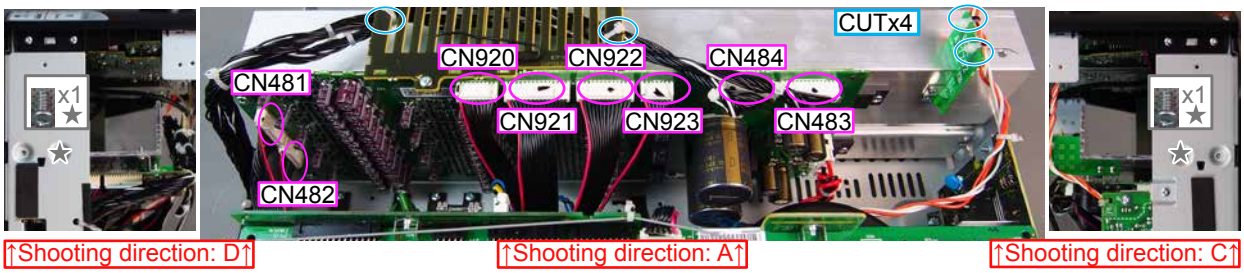


2. RADIATOR ASSY

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.

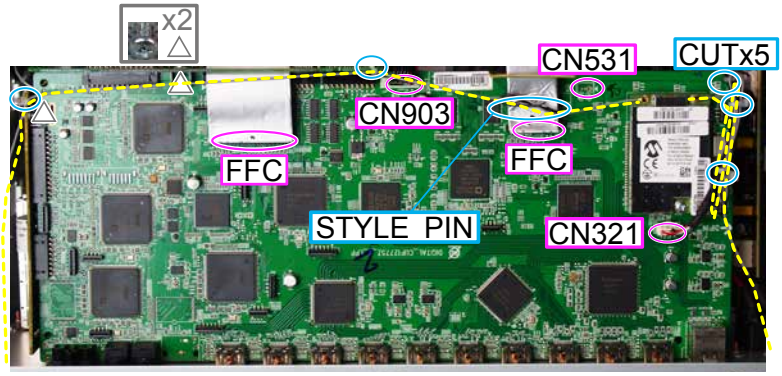


3. DIGITAL PCB

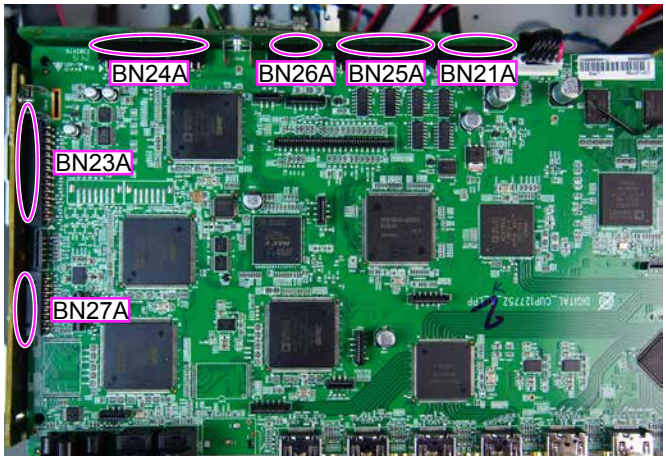
Proceeding : TOP COVER → BACK CHASSIS → DIGITAL PCB

(1) Remove the screws.

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



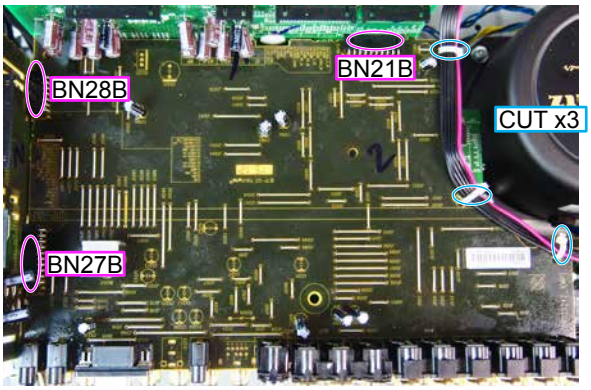
(3) Remove the connector.



4. VIDEO PCB

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

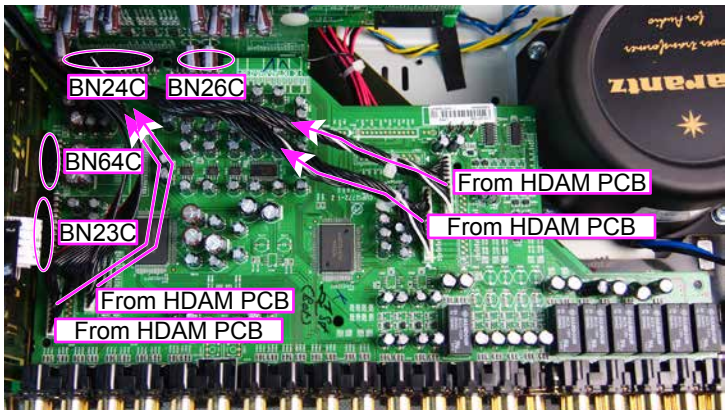
(1) Cut the wire clamp, then remove the connector.



5. INPUT PCB

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

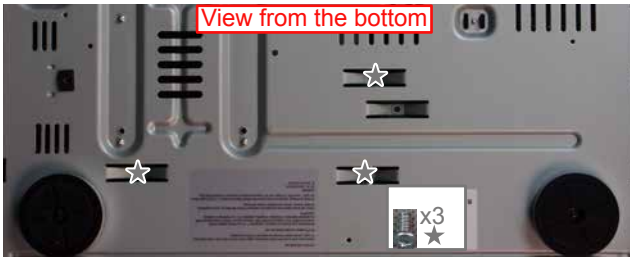
(1) Remove the connector.



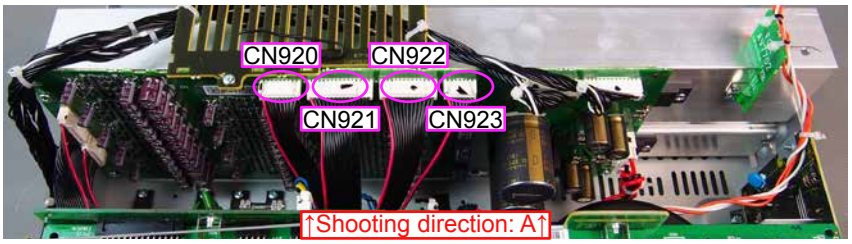
6. XLR PCB

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

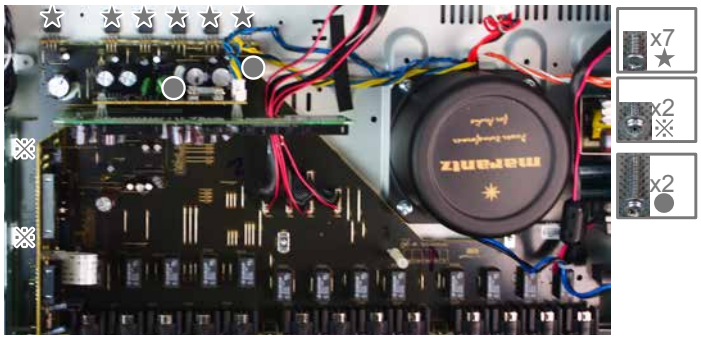
(1) Remove the screws.



(2) 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

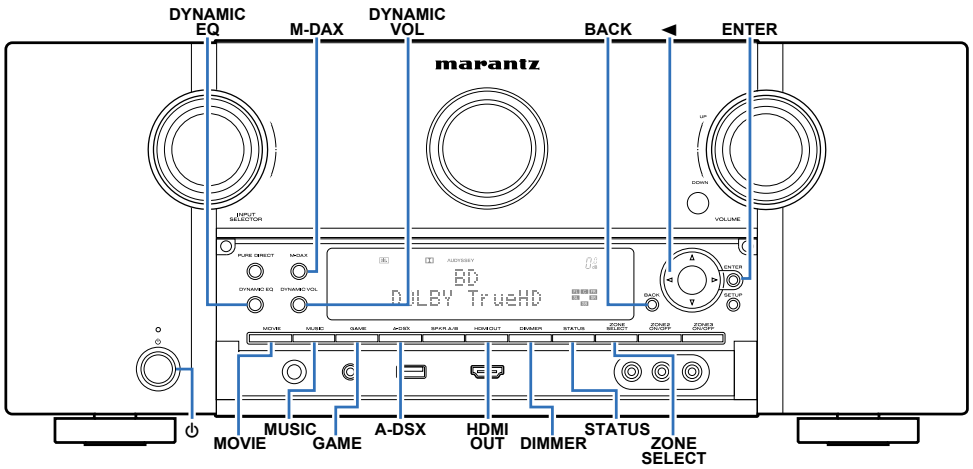
Special mode setting button

※ No. 1 - 5, 8 : While holding down buttons "**A**", "**B**" and "**C**" simultaneously, press the power button to turn on the power.
※ No. 6, 7 : While the power is on, hold down buttons "**A**" and "**B**" for at least 3 seconds .
※ No. 9 : 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	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	ZONE SELECT	BACK	This is a display for turning on each service-related mode. Service-related modes: No. 2-1 - No. 2-4
2-1	Check the Video/Audio path Mode	CURSOR ▼/▲	-	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 24)
2-2	232C Standby Clear Mode	↑	-	Switches from 232C standby mode to normal standby mode. (See page 68)
2-3	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)
2-4	TUNER STEP Mode (N model only)	↑	-	Enables reception STEP of the ANALOG TUNER to be changed. (See page 69)
3	User Initialization Mode	GAME	A-DSX	Initializes backup data. (Settings for the Installer Setup are not initialized.)
4	Factory Initialization Mode	MOVIE	MUSIC	Initializes backup data. (The settings for the Installer Setup is also initialized.)
5	PANEL / REMOTE LOCK Selection Mode	BACK	ENTER	Start this unit in the PANEL/REMOTE LOCK selection mode so that PANEL LOCK and Remote Lock can be switched between ON and OFF. (See page 70)
6	CY920 Reboot Mode	M-DAX	DYNAMIC EQ	The CY920 is restarted after CY920 hang up.
7	CY920 Initialization Mode	BACK	ENTER	Enter this mode only after replacing Flash for CY920 and rewriting the firmware.
8	USB Update mode	HDMI OUT	STATUS	Switches this unit to USB Update mode.
9	Forced USB All Device Write Mode	HDMI OUT	STATUS	Mode used when this unit cannot be recovered. Forcibly switches this unit to USB update mode. (See page 78)

NOTE:

When the volume indicator displays " -80 ", the set has entered a special mode for developers.
In this case, RS-232C communication cannot be used.
To cancel this special mode, press and hold the "**CURSOR ▼**"and "**STATUS**" buttons for 3 seconds and longer. When the volume indicator returns to the normal display, RS-232C communication can be used.



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 HD Radio (For U Region)
→ ⑬ MultEQ Pro APP (Displayed when Audyssey Pro is complete)
→ ⑭ MultEQ Pro ICL (Displayed when Audyssey Pro is complete)

① Model destination information, Serial Number：

FLD	L1	A	V	7	7	0	2	m	k	I	I		U				

FLD	L1	A	V	7	7	0	2	m	k	I	I		N				

FLD	L2	S	/	N	.			*	*	*	*	*	*	*	*	*	*

② Firmware Package Version：

FLD	L1		F	i	r	m	.		P	a	c	k	a	g	e		
	L2								V	e	r	.	:	*	*	*	*

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

FLD	L1		M	a	i	n			:	*	*	*	*	*	*	*	*
	L2		M	a	i	n		F	B	L	:	*	*	.	*	*	

④ DSP1/2/3/4 ROM :

FLD	L1		D	S	P	1						:	*	*	.	*	*
	L2		D	S	P	2						:	*	*	.	*	*

FLD	L1		D	S	P	3						:	*	*	.	*	*
	L2		D	S	P	4						:	*	*	.	*	*

⑤ Audio, Video PLD :

FLD	L1		A	u	d	i	o		P	L	D	:	*	*	.	*	*
	L2		V	i	d	e	o		P	L	D	:	*	*	.	*	*

⑥ GUI SFLASH :

FLD	L1		G	U	I				:	@	@	$	\	*	*	*	*

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

⑦ Ethernet 1st Boot Loader, Hardware ID :

FLD	L1		E	t	h	e	r	n	e	t		F	B	L			
	L2	*	*	*	*	*	*	-	A	A							

AA : Hardware ID

⑧ Ethernet 2nd Boot Loader, Rhapsody Flag :

FLD	L1		E	t	h	e	r	n	e	t		S	B	L			
	L2	*	*	*	*	*	*	*	*	*	*	*	*	*	-	B	B

BB : Rhapsody Flag

⑨ Ethernet IMAGE :

FLD	L1		E	t	h	e	r	n	e	t		I	M	G			
	L2	*	*	*	*	*	*	*	*	*	*	*	*	*			

⑩ Ethernet MAC ADDRESS information：

FLD	L1	*	N	E	T		M	A	C		A	d	d	r	e	s	s
	L2		*	*	*	*	*	*	-	*	*	*	*	*	*		

⑪ BT MAC ADDRESS information：

FLD	L1	*	B	T		M	A	C		A	d	d	r	e	s	s	
	L2		*	*	*	*	*	*	-	*	*	*	*	*	*		

⑫ HD Radio (for U Region) :

FLD	L1	*	H	D				:	*	*	*	*	*	*	*	*	-
	L2								X	Y	Y	Y	Y	.	Z	Z	Z

*	Software Configration
X	Release Typte
Y	Base Version No.
Z	Build No.

⑬ MultEQ Pro APP :

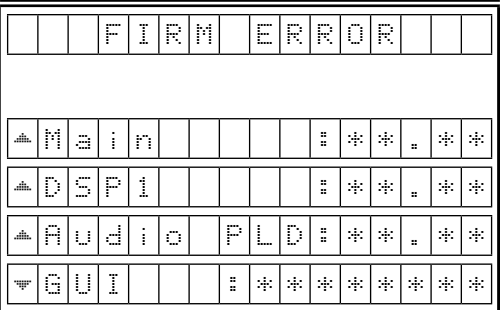
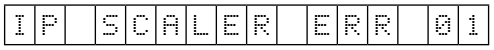
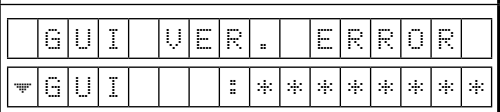
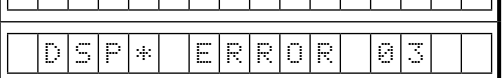
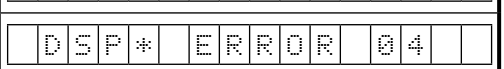
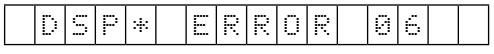
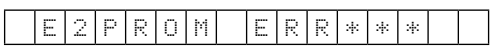
FLD	L1	*	M	u	l	t	E	Q		P	r	o		A	P	P	
	L2	*	*	.	*	*	.	*	*	.	*	*	*	*			

⑭ MultEQ Pro ICL :

FLD	L1	*	M	u	l	t	E	Q		P	r	o		I	C	L	
	L2	*	*	.	*	*	.	*	*	.	*	*	*	*			

1.4. Error display

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

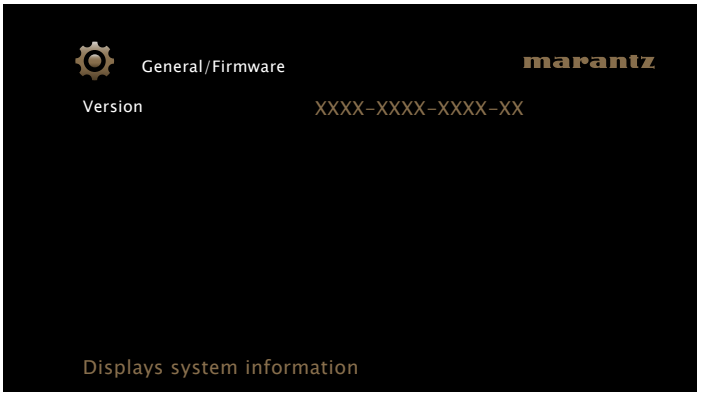
Condition	States	Display	TROUBLE SHOOTING
① Firm Check NG (＊：1/2/3/4)	The model name, brand name and region information written in the firmware are compared to the region settings in the PCB. This error is displayed if the information does not match. " ▲ " or " ▼ " is displayed as the first character 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.

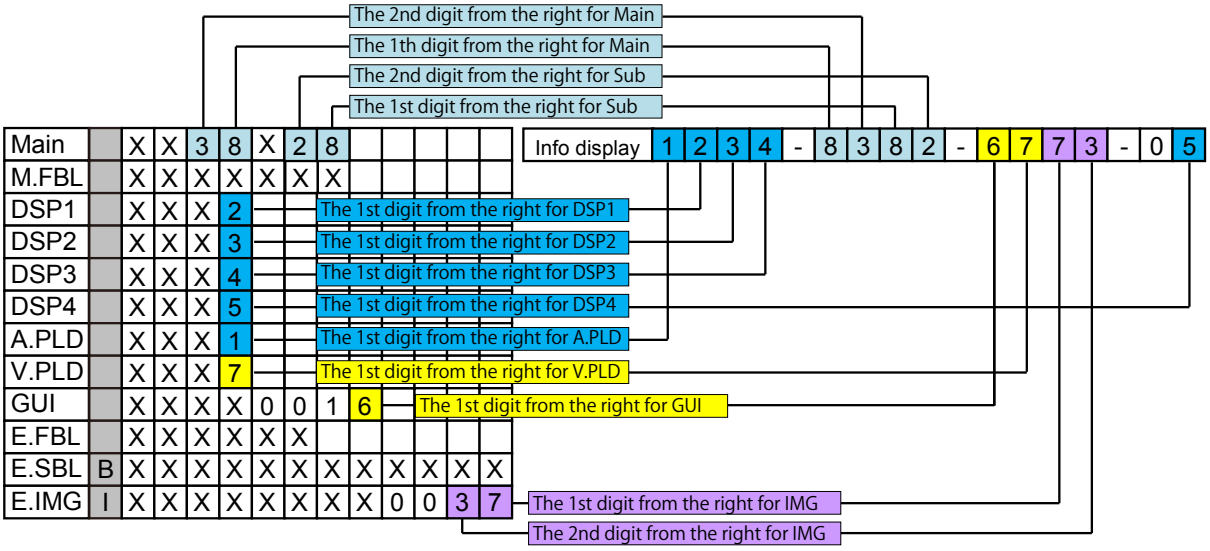
(1) Press the "**SETUP**" button on the remote control.
(2) Select "**General - Information - Firmware**".

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 "**ZONE SELECT**" and "**BACK**" simultaneously, press the power button to turn on the power.
Select the desired mode using the "**CURSOR ▼/▲**" button, then press the "**ENTER**" button to confirm.

2.3. Displaying and Selecting Each Mode

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

①

FLD																
	L1	▶	1	.	S	E	R	V	I	C	E		C	H	E	C	K
	L2		3	.	R	S	2	3	2	C		R	E	S	E	T	

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		1	.	S	E	R	V	I	C	E		C	H	E	C	K
	L2	▶	3	.	R	S	2	3	2	C		R	E	S	E	T	

Switches from 232C standby mode to normal standby mode.

③

FLD																
	L1		3	.	R	S	2	3	2	C		R	E	S	E	T	
	L2	▶	4	.	O	P		I	N	F	O						

Operation Info for the unit can be checked.

④

FLD																
	L1		4	.	O	P		I	N	F	O						
	L2	▶	5	.	T	U	N	E	R		F	R	Q		S	E	T

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.

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 "**ZONE SELECT**" and "**BACK**" simultaneously, press the power button to turn on the power.
Select "**1.SERVICE CHECK**", then press the "**ENTER**" 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	CURSOR ◄	CURSOR ►	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 (signal) through Path **fig.01**	L1 A01ANLG L2 ***.*dB	Input Source : CBL/SAT Input Mode : Analog Fixed Sound mode：Direct Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp : 2ch Dolby Sp : None Height Laytou : Front Height MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Analog input ⇒ RCA output (Front L/R) ・Analog input ⇒ XLR output (Front L/R) (※ The input source can be switched to any source except CBL/SAT.)
2	Digital (signal) Path (MAIN) **fig.02a** **fig.02b**	L1 A02DIG. L2 ***.*dB	Input Source : CBL/SAT Input Mode : Digital Fixed Sound mode：Multi Ch Stereo Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp. : 2ch Dolby Sp : None Height Layout : Front Height Speaker Select : Floor Speaker Config : ALL Speaker = Small/SW = Yes(2ch) MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Digital input ⇒ RCA output (Front L/R, Center, Surround L/R, Surround Back L/R, Subwoofer) ・Digital input ⇒ XLR 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 (signal) Path (ZONE2) **fig.03a** **fig.03b** **fig.03c**	L1 A03Z2DIG L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode：Stereo Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp. : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : ON ZONE2 : ON ZONE3 : OFF	・Digital (PCM) input ⇒ ZONE2 RCA output (ZONE2 L/R) (* The input source can be switched to any source except CBL/SAT.)

	Paths to be confirmed	Display	Settings	What to confirm
4	Digital (signal) Path (ZONE3) **fig.04a** **fig.04b**	L1 A04Z3DIG L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode：Stereo Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp. : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : ON ZONE2 : OFF ZONE3 : ON	・Digital(PCM) input ⇒ ZONE3 RCA output (ZONE3 L/R) (* The input source can be switched to any source except Online Music.)
5	HDMI (signal) Path **fig.05a** **fig.05b** **fig.05c**	L1 A05HDMI L2 ***.*dB	Input Source : CBL/SAT Input Mode : HDMI Fixed Sound mode：Stereo Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp. : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・HDMI input ⇒ RCA output (Front L/R) ・HDMI input ⇒ XLR output (Front L/R) (* The input source can be switched to any source except CBL/SAT.)
6	Analog AD (signal) Path (MAIN ZONE) **fig.06a** **fig.06b**	L1 A06AD L2 ***.*dB	Input Source : CBL/SAT Input Mode : Analog Fixed Sound mode：Multi Ch Stereo Amp assign : 11.1ch Floor Layout : 5ch&SB&FW Height Sp. : 2ch Dolby Sp : None Height Layout : Front Height Speaker Select：Floor Speaker Config ALL Speaker=Small/SW=Yes(2ch) MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Analog input ⇒ RCA output SW (20Hz) (Front L/R, Center, Surround L/R, Surround Back L/R, Front Wide L/R, Subwoofer) ・Analog input ⇒ XLR output, SW (20Hz) (Front L/R, Center, Surround L/R, Surround Back L/R, Front Wide L/R, Subwoofer) (* The input source can be switched to any source except CBL/SAT.) (* Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)
7	Analog ZONE2 (signal) Path **fig.07**	L1 A07Z2ASS L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode：STEREO Z2 Source : Source Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp. : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : ON ZONE2 : ON ZONE3 : OFF	・Analog input ⇒ ZONE 2RCA output (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)
8	Analog ZONE3 (signal) Path **fig.08**	L1 A08Z3ASS L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode：STEREO Z3 Source : Source Amp assign : 11.1ch Floor Layout : 5ch&SB Height Sp. : 2ch Dolby Sp : None Height Layout : Front Height MAIN ZONE : ON ZONE2 : OFF ZONE3 : ON	・Analog input ⇒ ZONE 3RCA output (ZONE3 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
9	Analog Amp Assign (signal) Path (Amp Assign：BiAMP-Surround Back) **fig.09**	L1 A11BA-SB L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode：Stereo Amp assign : 9.1ch(Bi-Amp) Preout for Bi-Amp : SURROUND BACK Floor Sp : 5ch Height Sp : None Dolby Sp : None MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Analog input ⇒ RCA output → Front L/R or Surround Back L/R (Front output) ・Analog input ⇒ XLR output → Front L/R or Surround Back L/R (Front output) (* 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)
10	Amp Assign (signal) Path (Amp Assign : BiAMP-Front Wide) **fig.10**	L1 A12BA-FW L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode：Stereo Amp assign : 9.1ch(Bi-Amp) Preout for Bi-Amp : FRONT WIDE/HEIGHT2 Floor Sp : 5ch Height Sp : None Dolby Sp : None MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Analog input ⇒ RCA output → Front L/R or Front Wide L/R(Front output) ・Analog input ⇒ XLR output → Front L/R or Front Wide/Height2 L/R(Front output) (* 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)
11	Amp Assign (signal) Path (Amp Assign : BiAMP-Height1) **fig.11**	L1 A13BA-H1 L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode：Stereo Amp assign : 9.1ch(Bi-Amp) Preout for Bi-Amp:HEIGHT1 Floor Sp : 5ch Height Sp : None Dolby Sp : None MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Analog input ⇒ RCA output → Front L/R or Height1 L/R (Front output) ・Analog input ⇒ XLR output → Front L/R or Height1 L/R (Front output) (* 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)
12	Front Height (signal) Path **fig.12a** **fig.12b**	L1 A14FH L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode：Multi Ch Stereo Amp assign：11.1ch Floor Layout : 5ch&SB&FW Height Sp : 4ch Dolby Sp : None Height Layout : Top Front & Top Rear Speaker Select=Floor & Height MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Analog input ⇒ RCA output Height1 L/R (Top Front output) Height2 L/R (Top Rear output) ・Analog input ⇒ XLR output Height1 L/R (Top Front output) (* The input source can be switched to any source except CBL/SAT.) Check PREOUT output. (* Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)
13	Front Wide (signal) Path **fig.13a** **fig.13b**	L1 A15FW L2 ***.*dB	Input Source : CBL/SAT Input Mode : Auto Sound mode：Multi Ch Stereo Floor Layout : 5ch&SB&FW Height Sp : 4ch Dolby Sp : None Height Layout : Top Front & Top Rear Speaker Select=Floor MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Analog input ⇒ RCA output → Front Wide L/R ・Analog input ⇒ XLR output → Front Wide L/R (* The input source can be switched to any source except CBL/SAT.) Check PREOUT output. (* Volume -20dB is the value when Relative settings are used. The value is 60 when Absolute settings are used)
14	7.1ch INPUT (signal) Path **fig.14**	L1 A197.1IN L2 ***.*dB	Input Source : CBL/SAT Input Mode : 7.1Ch In Amp Assign : 11.1ch Floor Layout : 5ch&SB Height Sp : None Dolby Sp : None Speaker Config : Front, Center, Surround, Surround Back(2ch）, Subwoofer Speaker Config ALL Speaker=Small/SW=2ch MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	7.1ch In input, check the following. ・7.1ch In input ⇒ RCA output → Front L/R, Center, Surround L/R, S.Back L/R, Subwoofer ・7.1ch In input ⇒ XLR output → Front L/R, Center, Surround L/R, S.Back L/R, Subwoofer

	Paths to be confirmed	Display	Settings	What to confirm
15	Back DAC-Height2 (signal) Path **fig.15a** **fig.15b**	L1 A20SB-H2 L2 ***.*dB	Input Source : CBL/SAT Input Mode:Auto Sound mode: Multi ch Stereo Amp assign:11.1ch Floor Layout : 5ch&FW Height Sp : 4ch Dolby Sp : None Height Layout : Top Front & Top Rear Speaker Select = Floor & Height MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Analog input ⇒ RCA output → Height2 L/R (Top Rear output) (* 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)
16	Height1 DAC-Height2 (signal) Path **fig.16a** **fig.16b**	L1 A21H1-H2 L2 ***.*dB	Input Source : CBL/SAT Input Mode:Auto Sound Mode: Multi ch Stereo Amp assign:11.1ch Floor Layout : 5ch&SB&FW Height Sp : 4ch Dolby Sp : None Height Layout : Top Front & Top Rear Speaker Config : All Small Speaker Select = Front Wide/Height2 XLR = Front Wide(AV7702 Only) ※ Special Settings：Height1 Path → Height 1 RCA/XLR Relay:Off Fixed Height1 Path → Height 2 RCA/XLR Relay:On Fixed Back Path → Back RCA/XLR Relay:On Fixed Back Path → Height2 RCA/XLR Relay:Off Fixed Wide Path → Wide RCA/XLR Relay On Fixed Wide Path → Height2 RCA/XLR Relay Off Fixed MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・Analog input ⇒ RCA output → Height2 L/R (Top Rear output) (* 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) Note: For checking the signal path, in the A21 mode, voice of Height1 is output from RCA / XLR of Height2. (Not output from any terminal voice of Height2 does not output the sound from the Height1 of RCA / XLR.)

2-1.6. Confirmation items for the video system

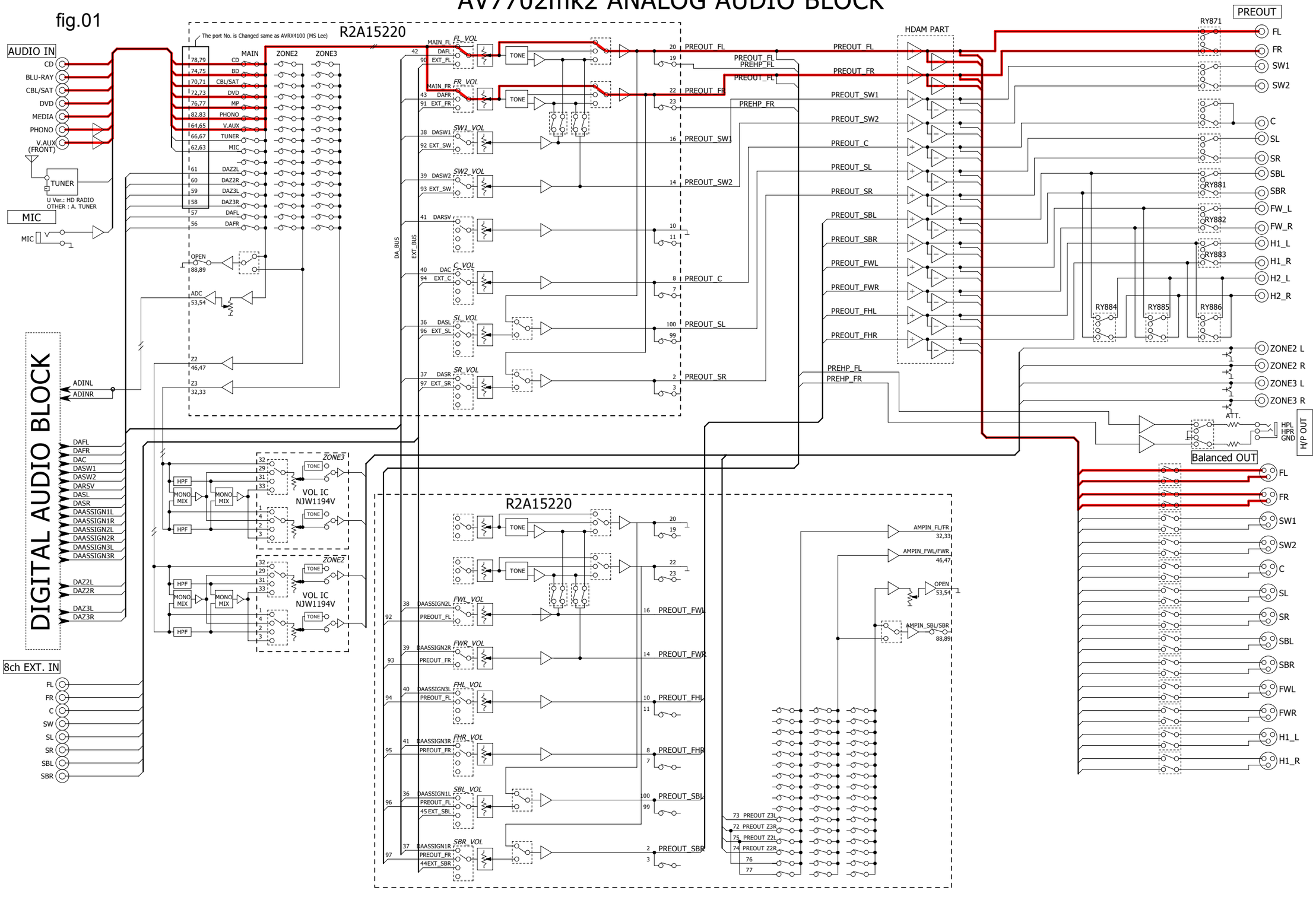
See the block diagram fig.XXth.

	Paths to be confirmed	Display	Settings	What to confirm
1	Analog Video through (signal) Path **fig.17**	L1 V01VIDEO L2 ***.*dB	Input Source : CBL/SAT ALL Source Video Convert(IP Scaler) : OFF MAIN ZONE : ON ZONE2 : ON	・Component input ⇒ Component output ・CVBS input ⇒ CVBS output (MAIN/ZONE2) (* The input source can be switched to any source except CBL/SAT.)
2	Video Convert (Analog or HDMI ⇒ HDMI) **fig.18a** **fig.18b**	L1 V02CONV L2 ***.*dB	Input Source : CBL/SAT Video Convert(IP Scaler) : ON, ALL Source IP Scaler : "Analog&HDMI", ALL Sources Resolution : "Auto", ALL Sources MAIN ZONE : ON ZONE2 : OFF ZONE3 : 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 through (signal) Path (MAIN ZONE) **fig.19**	L1 V03HDMI L2 ***.*dB	Input Source : CBL/SAT Video Convert(IP Scaler) : OFF, ALL Sources MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・HDMI input(MAIN Function) ⇒ HDMI output(MAIN) (* The input source can be switched to any source except CBL/SAT.)
4	CEC (Control Monitor：HDMI Monitor1) **fig.20**	L1 V04CEC L2 ***.*dB	Input Source : CBL/SAT HDMI Control : ON Control Monitor：Monitor1(HDMI Monitor Out1) MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	・When the power supply of a TV is put in the standby mode, make sure that the power supply of this unit is also put in the standby mode. (* The input source can be switched to any source except CBL/SAT.) ・The ARC path can also be checked (check this using the TV input source).
5	HDMI Audio (Audio :AVR) **fig.21a** **fig.21b** **fig.21c**	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) ⇒ RCA/XLR output. ・HDMI input(HD audio) ⇒ RCA/XLR output. (* The input source can be switched to any source except CBL/SAT.)
6	HDMI Audio (Audio :TV) **fig.22a** **fig.22b**	L1 V06H-TV L2 ***.*dB	HDMI Audio : TV (if checking the audio output from TV)	・HDMI input(PCM, DolbyDigital, DTS) ⇒ HDMI output (audio output from connected TV) (* The input source can be switched to any source except CBL/SAT.)
7	OSD **fig.23**	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 ZONE3 : OFF	・OSD display ⇒ HDMI output (* The input source can be switched to any source except CBL/SAT.)
8	HDMI (signal) Path (ZONE2) **fig.24**	L1 V08Z2HD L2 ***.*dB	Input Source : CBL/SAT ZONE2 Source : Source MAIN ZONE : ON ZONE2 : ON ZONE3 : OFF	・HDMI input(ZONE2 Function) ⇒ HDMI output(ZONE2) (* The input source can be switched to any source except CBL/SAT.)

DIAGNOSTIC PATH DIAGRAM

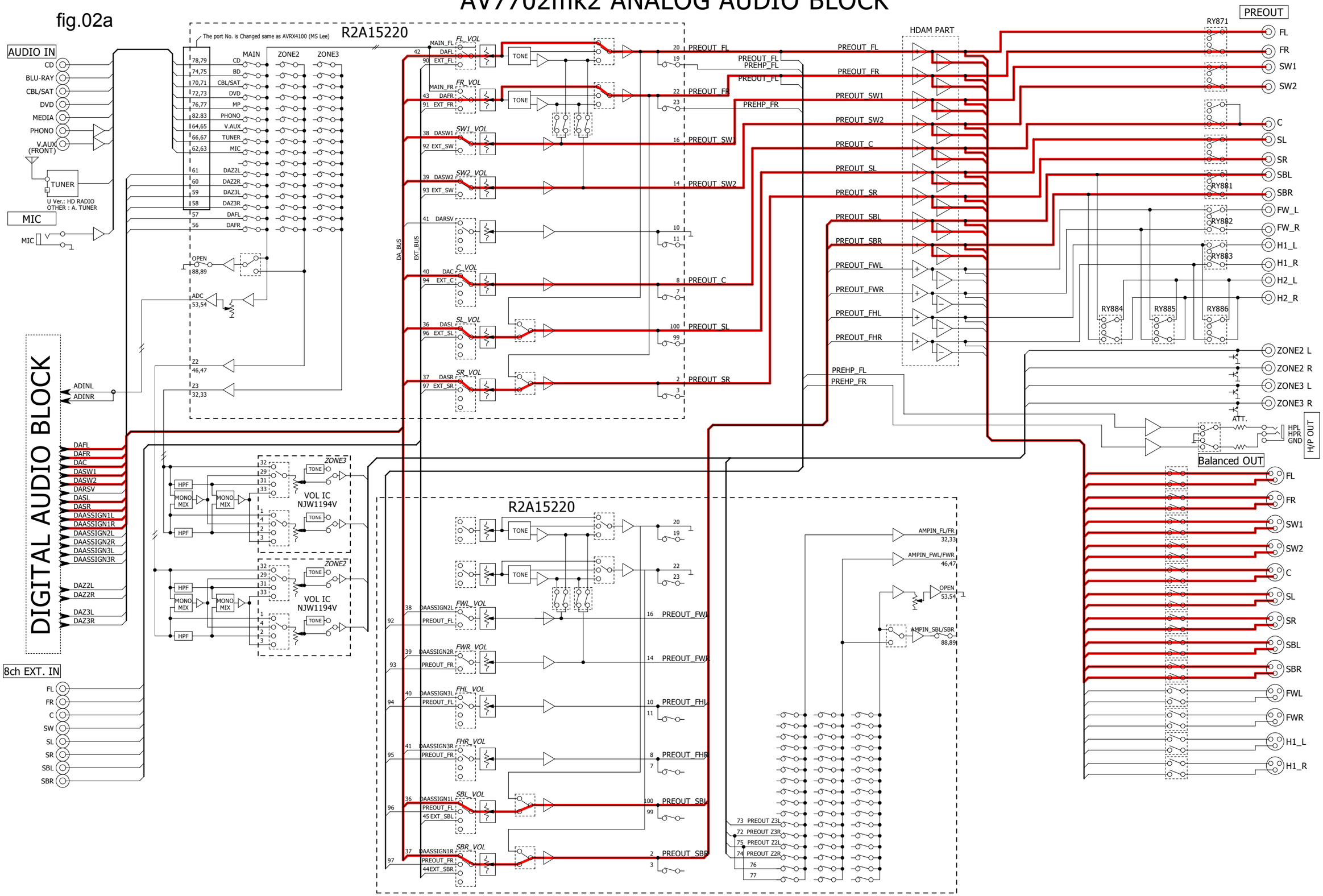
AV7702mk2 ANALOG AUDIO BLOCK

fig.01



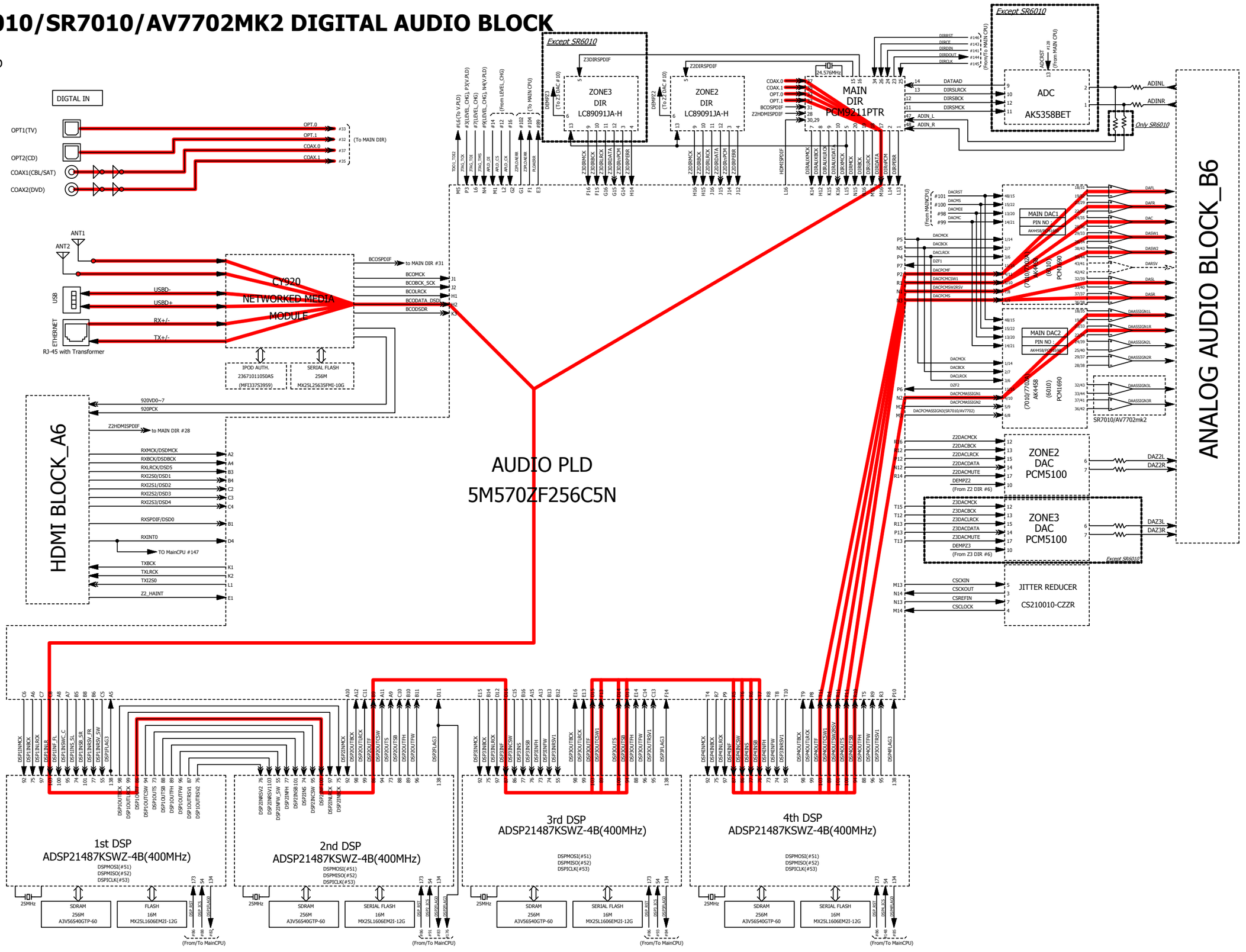
AV7702mk2 ANALOG AUDIO BLOCK

fig.02a



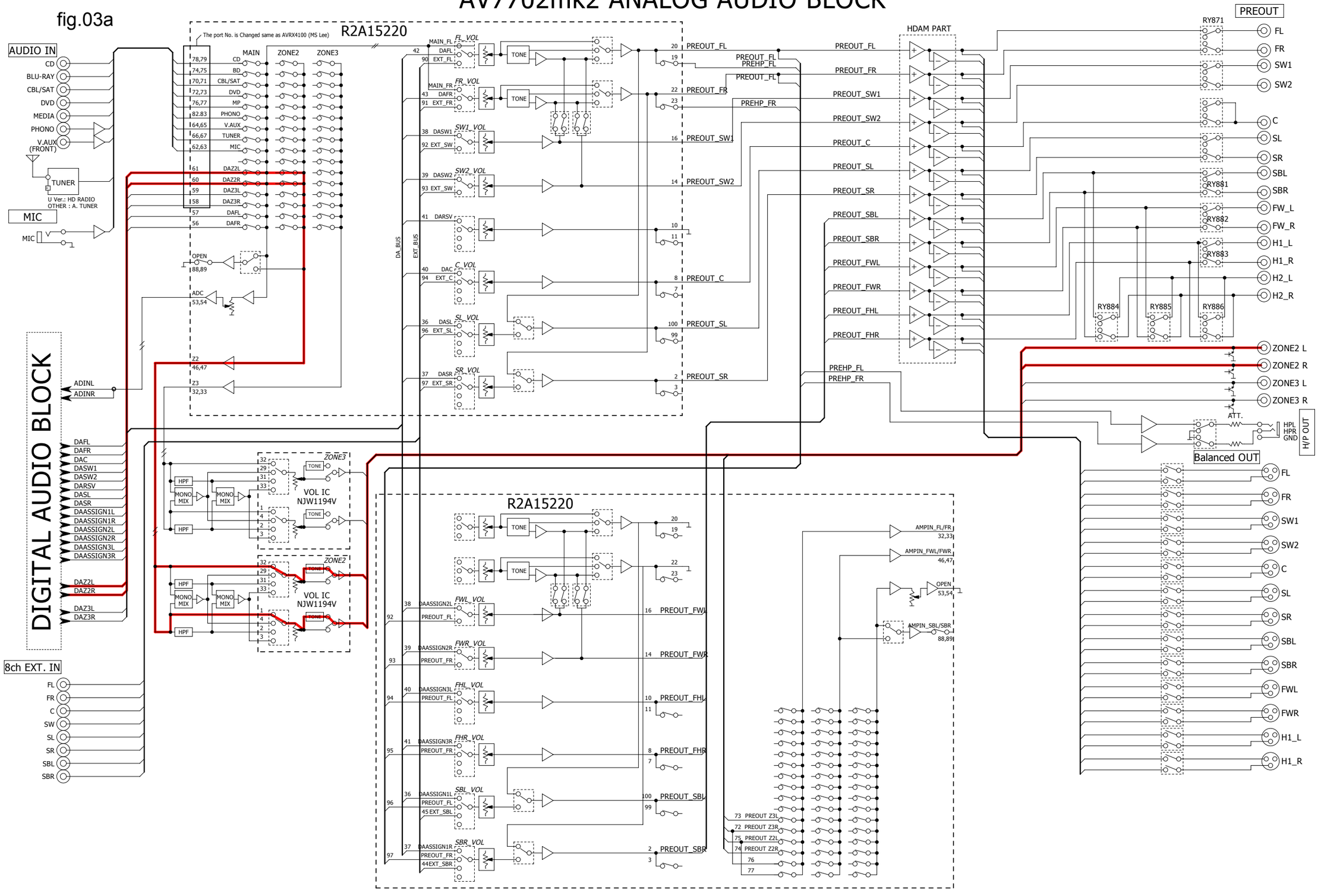
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.02b



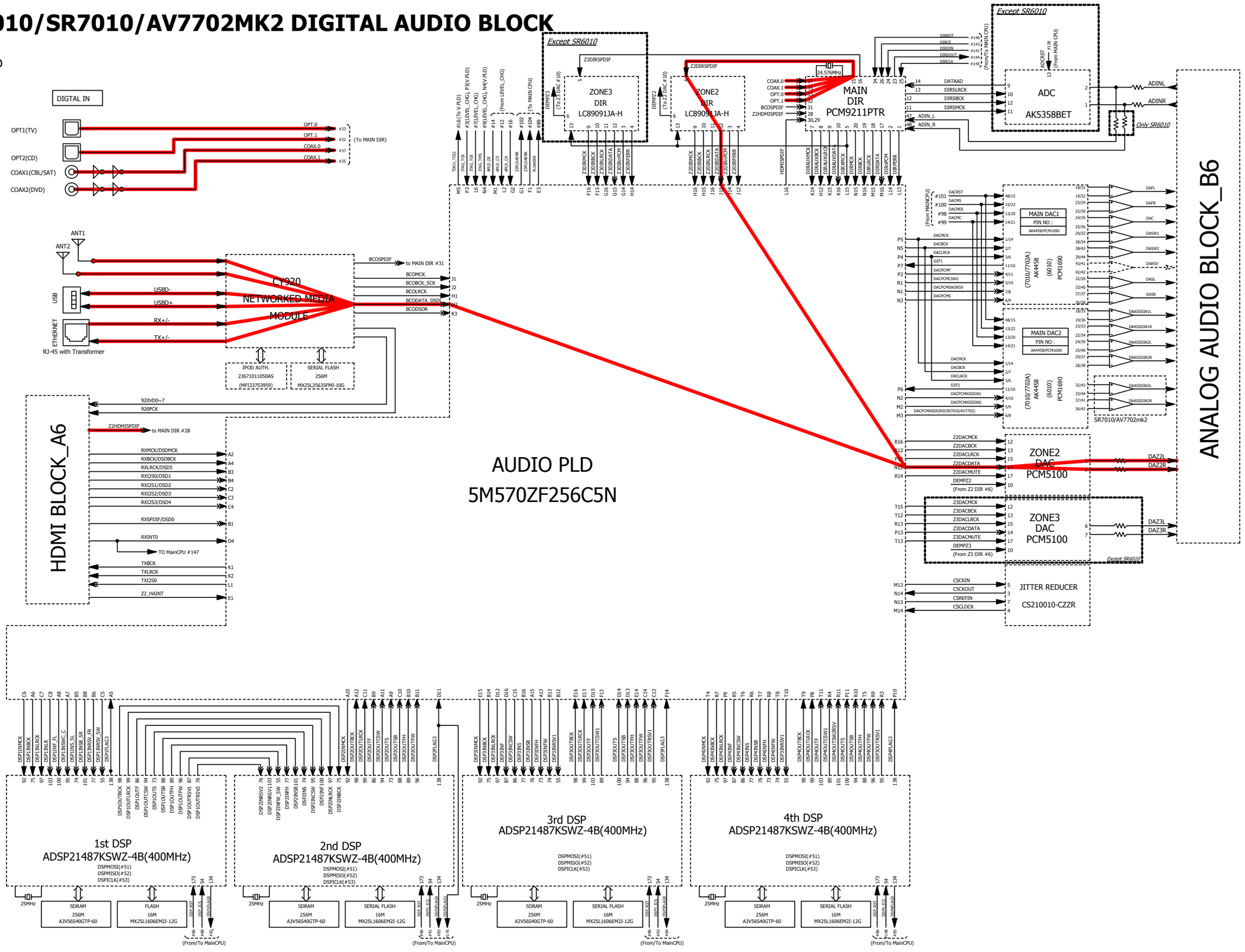
AV7702mk2 ANALOG AUDIO BLOCK

fig.03a



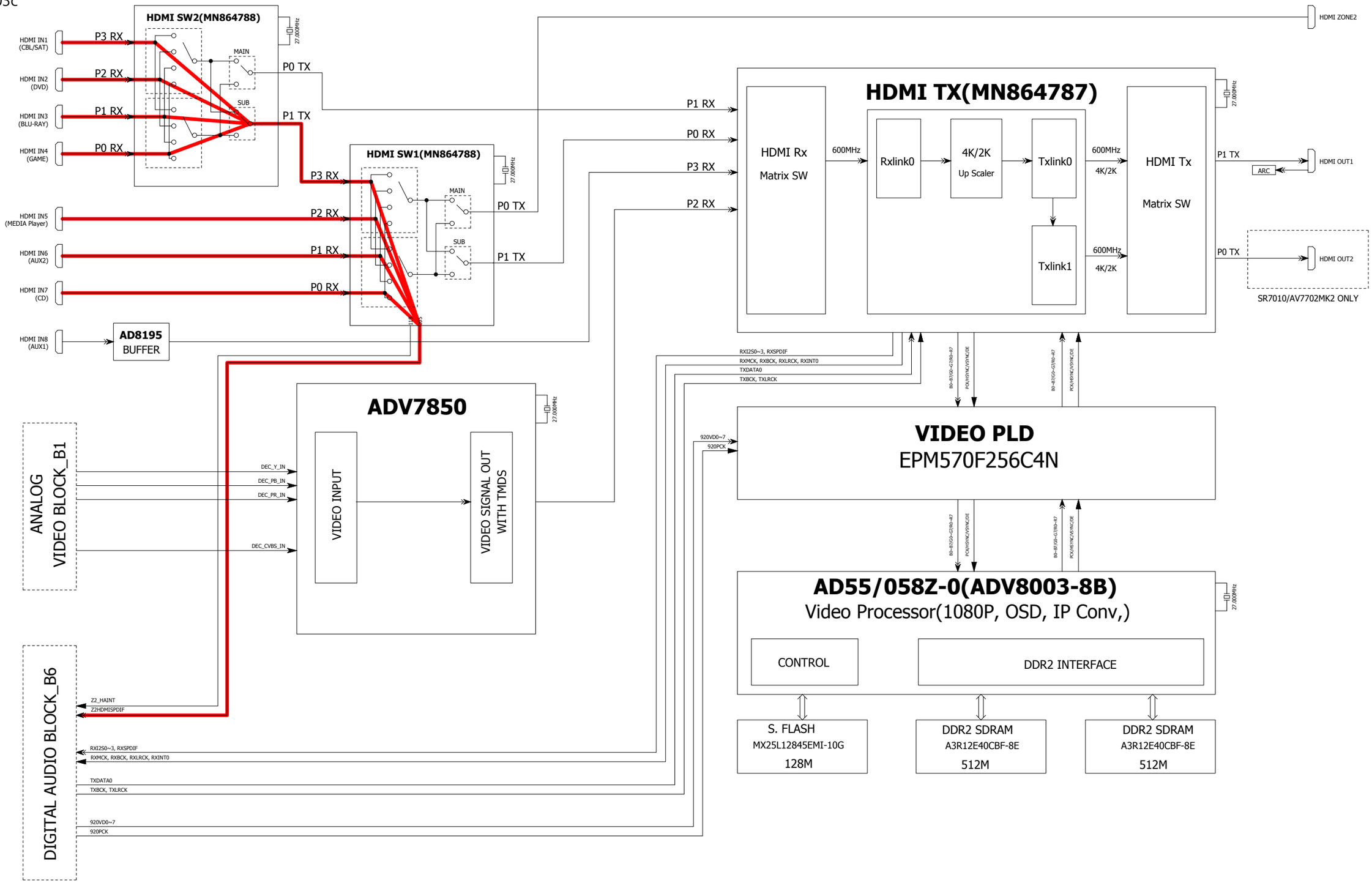
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.03b



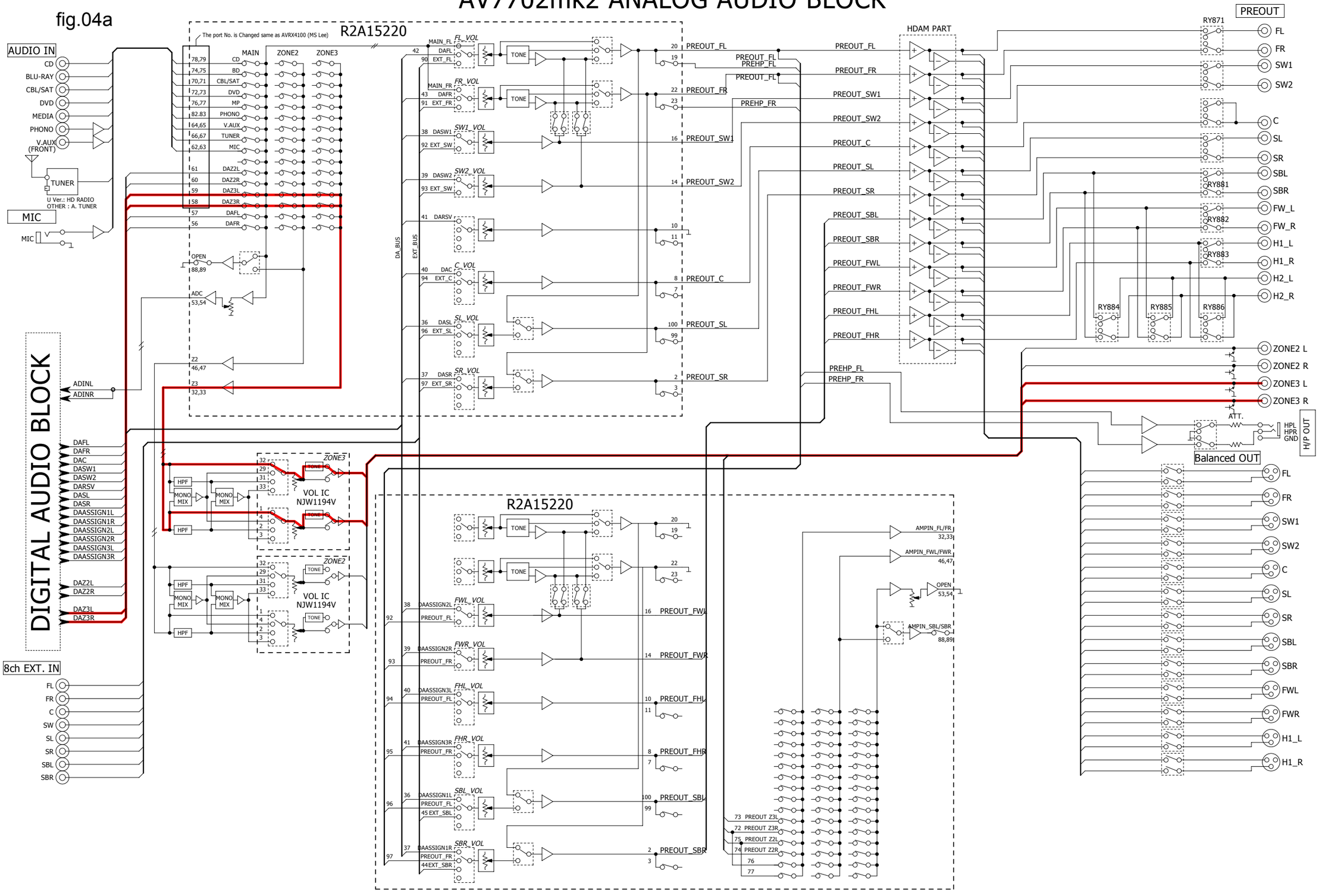
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.03c



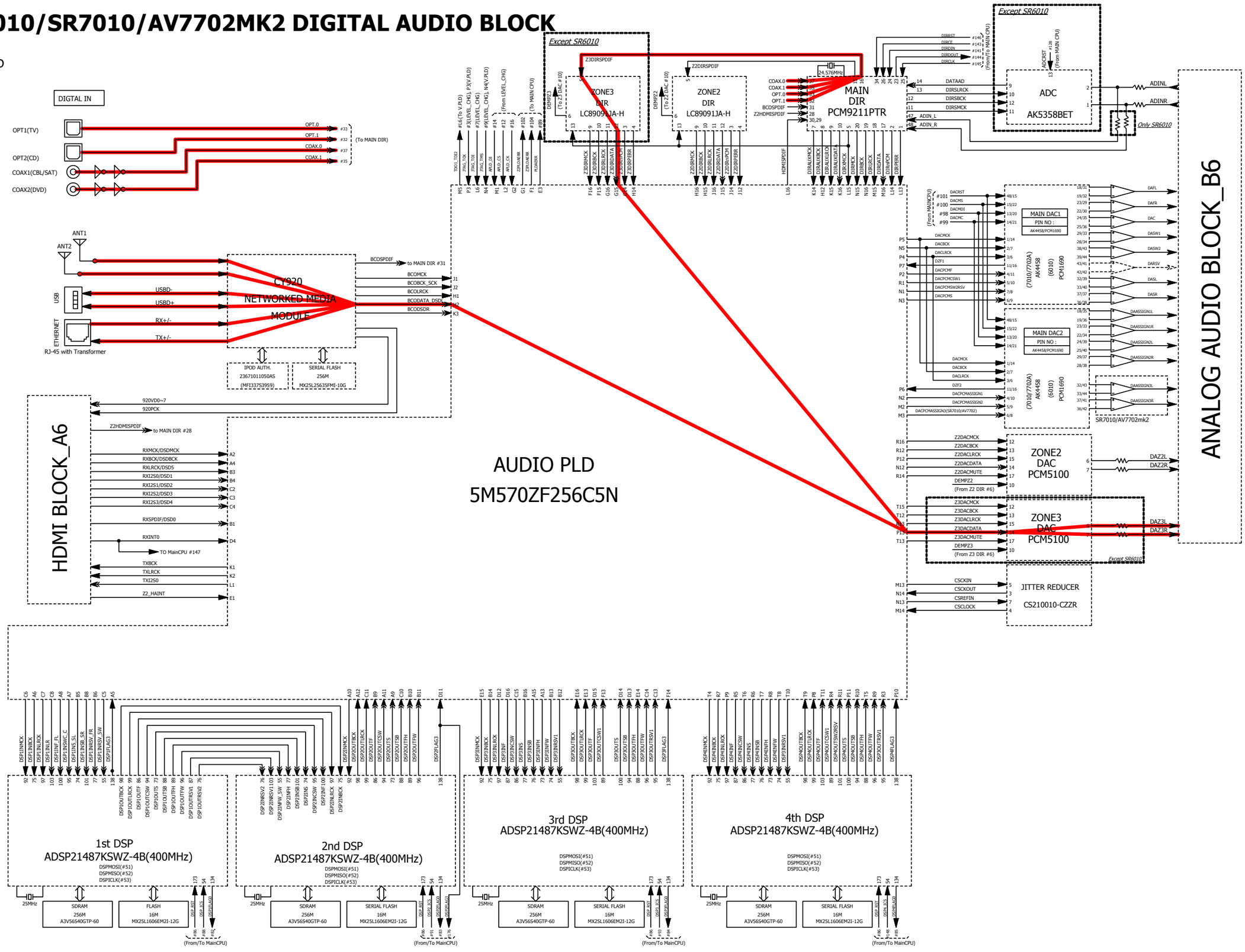
AV7702mk2 ANALOG AUDIO BLOCK

fig.04a



SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.04b



AV7702mk2 ANALOG AUDIO BLOCK

fig.05a

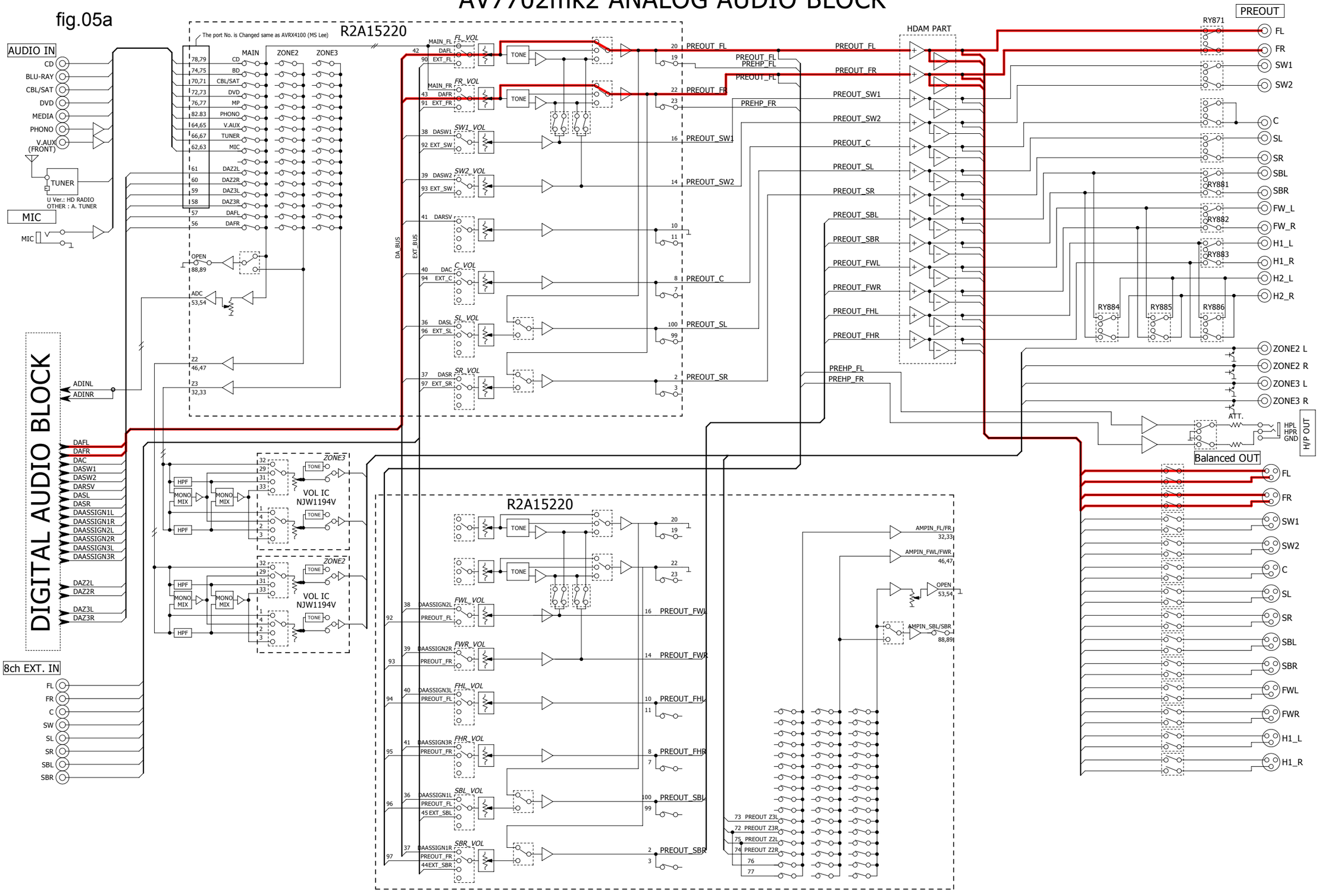
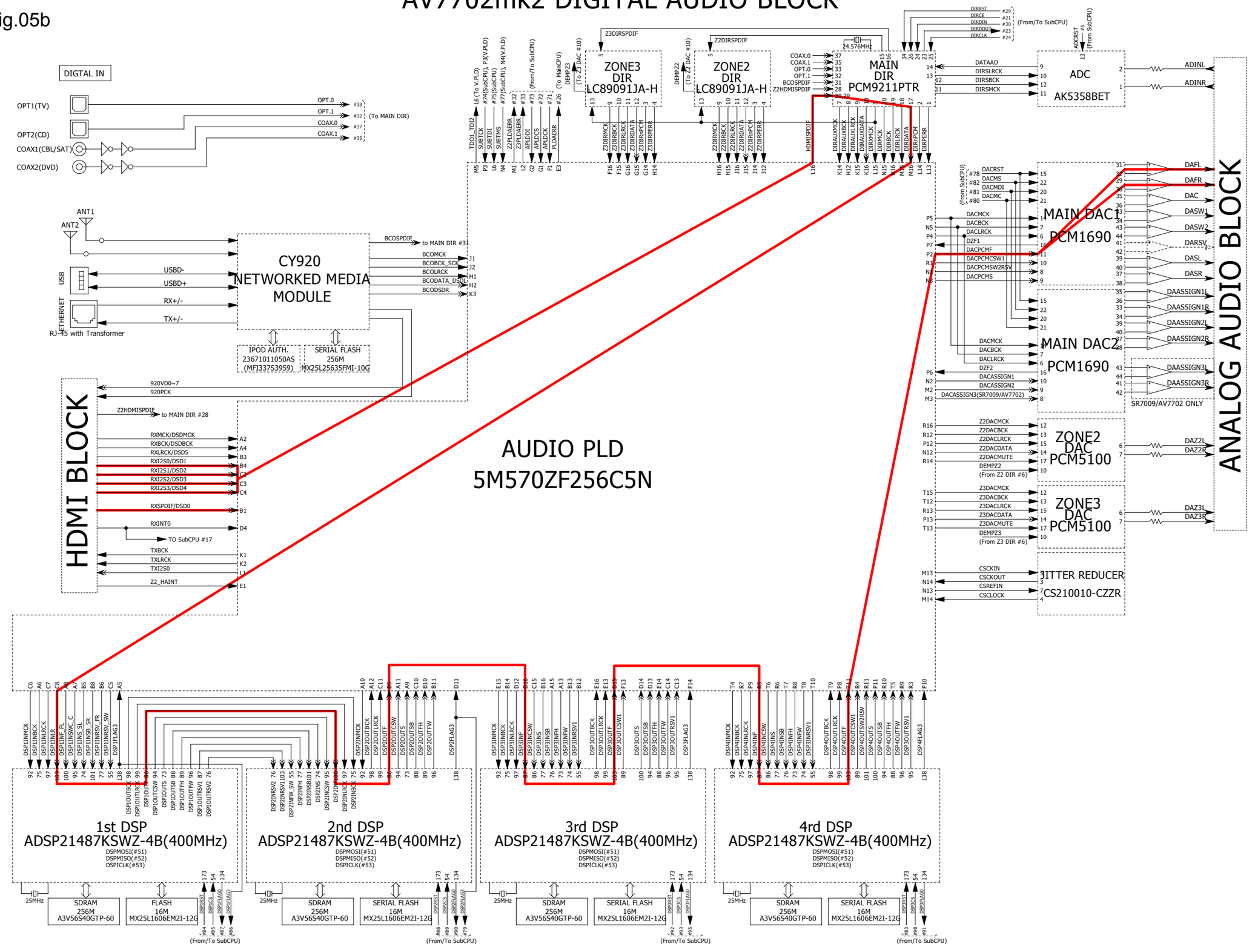


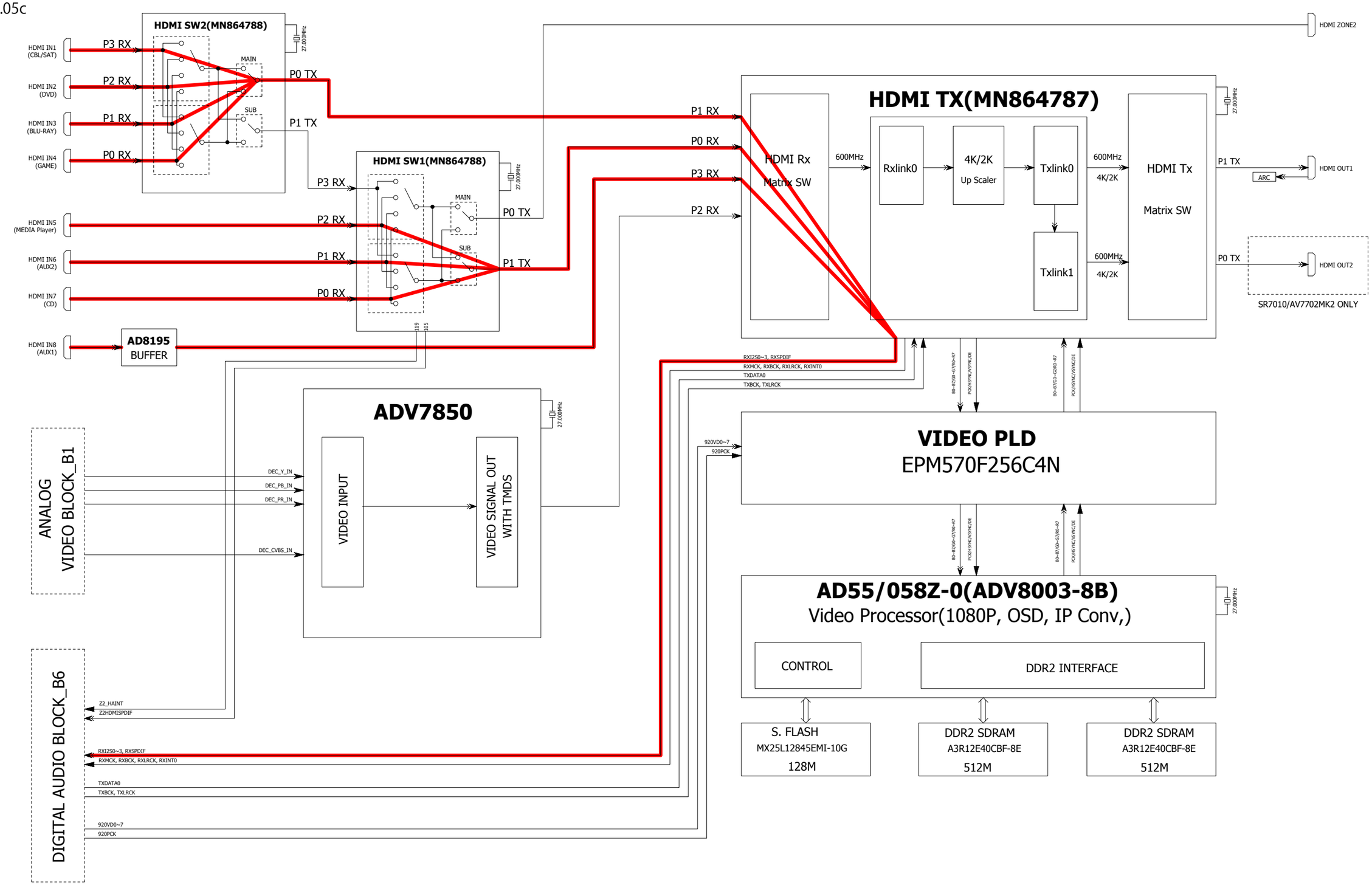
fig.05b

AV7702mk2 DIGITAL AUDIO BLOCK



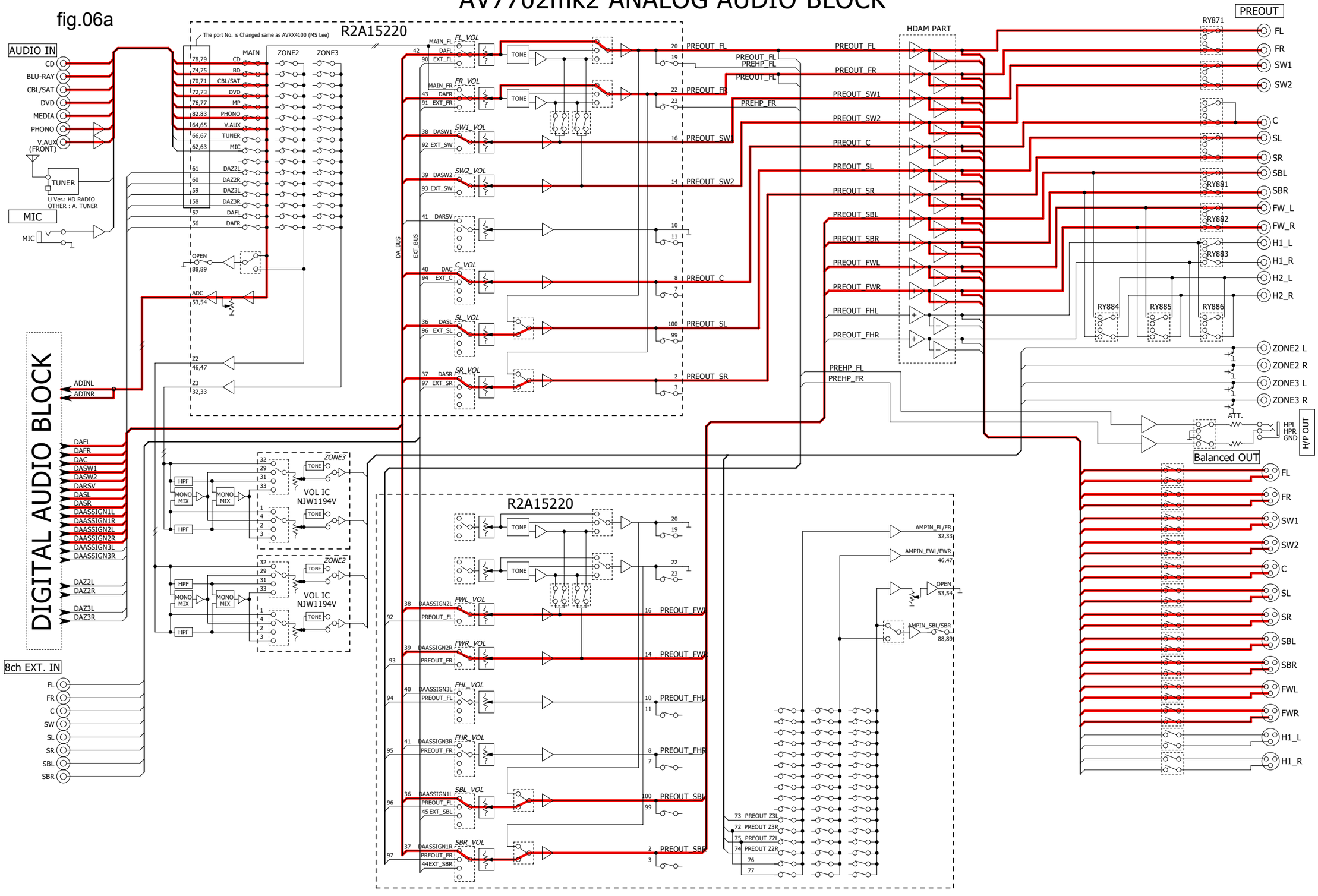
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.05c



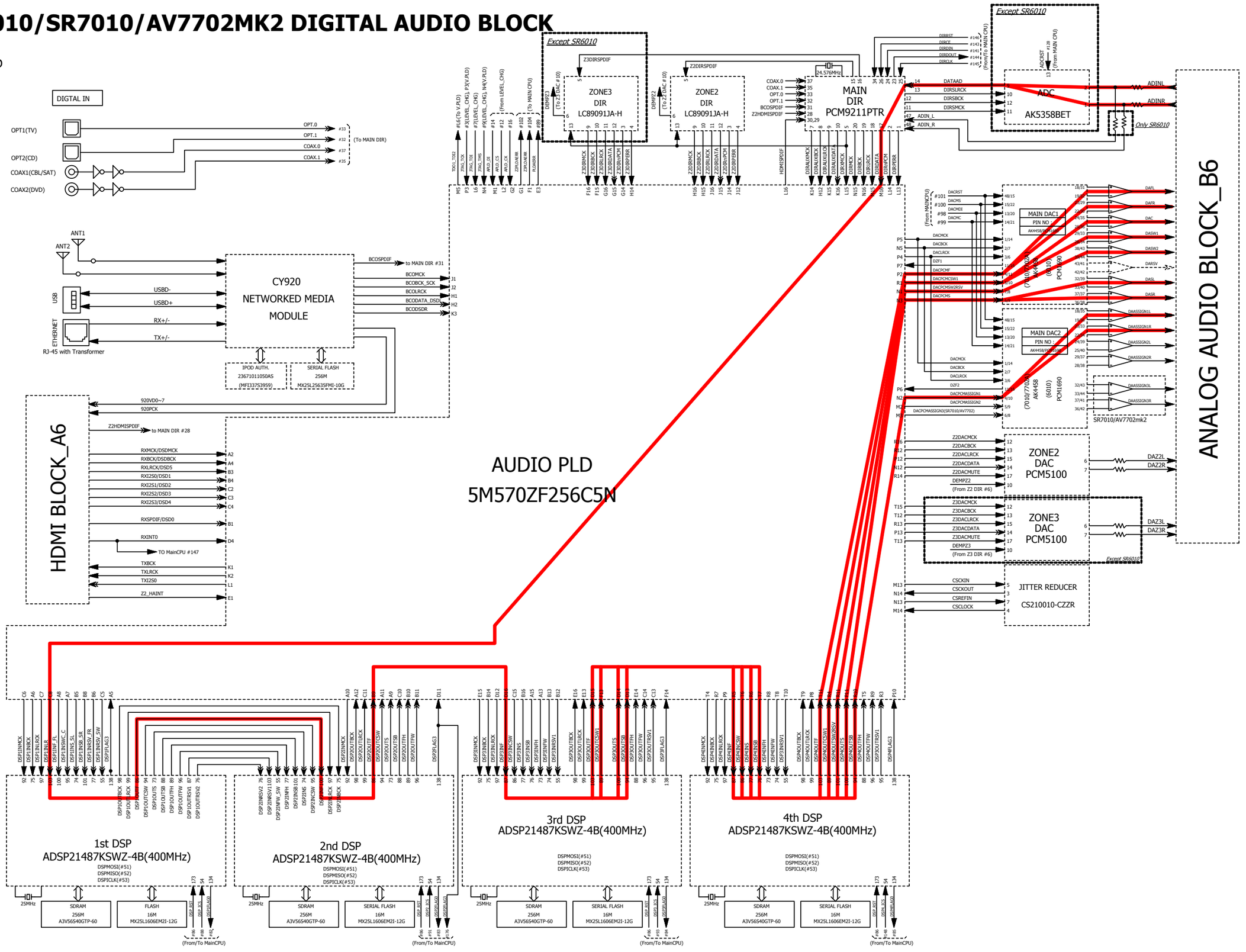
AV7702mk2 ANALOG AUDIO BLOCK

fig.06a



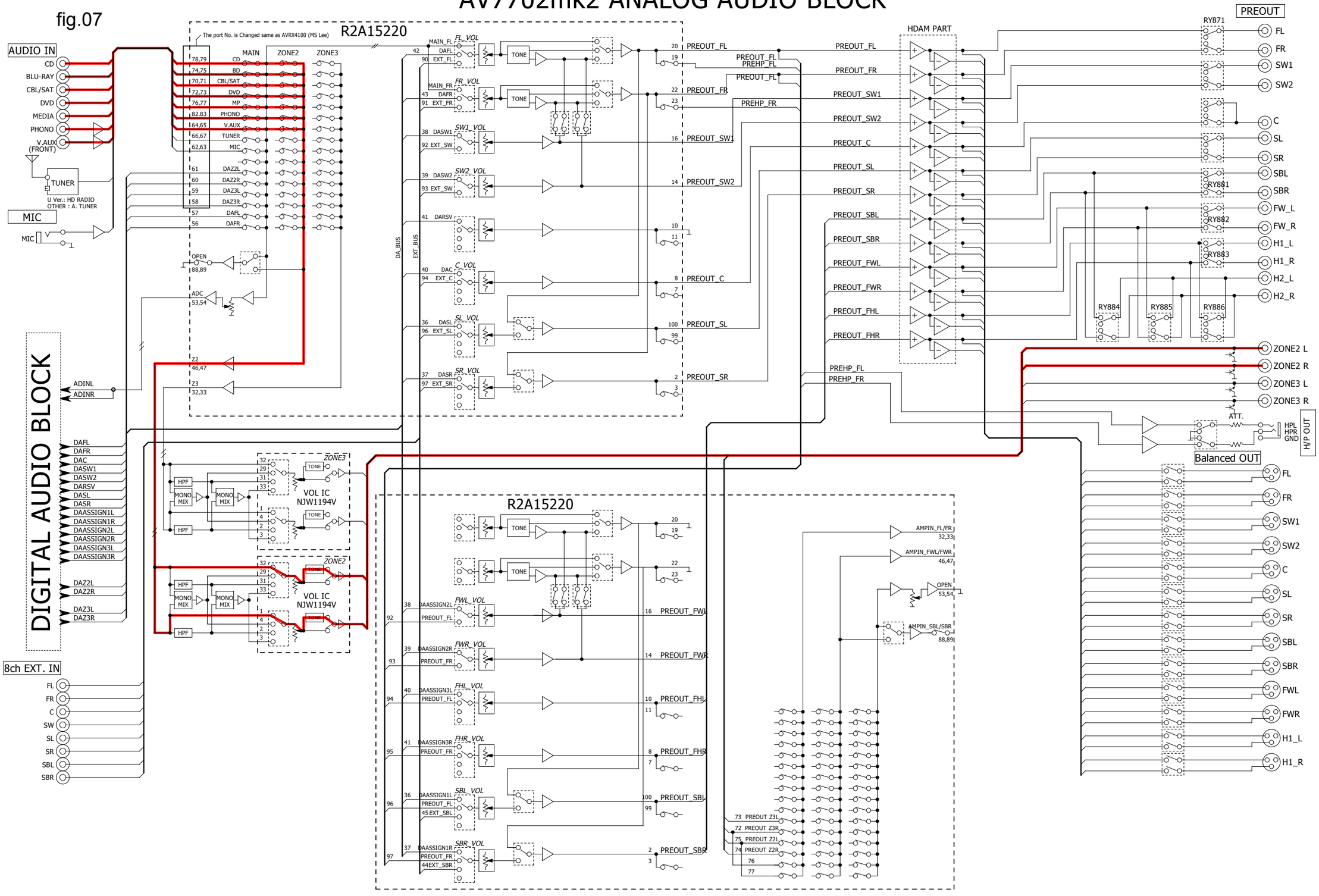
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.06b



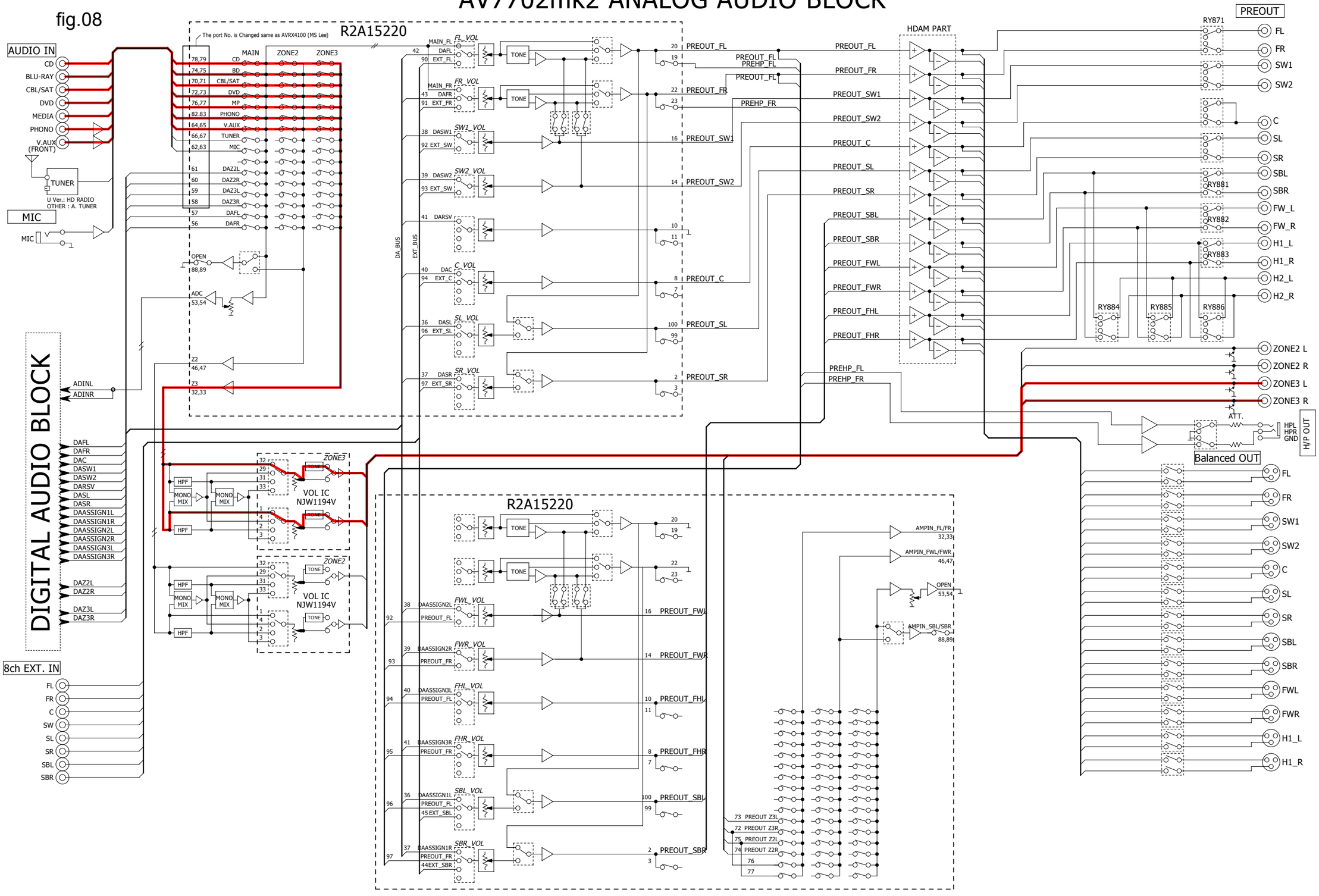
AV7702mk2 ANALOG AUDIO BLOCK

fig.07



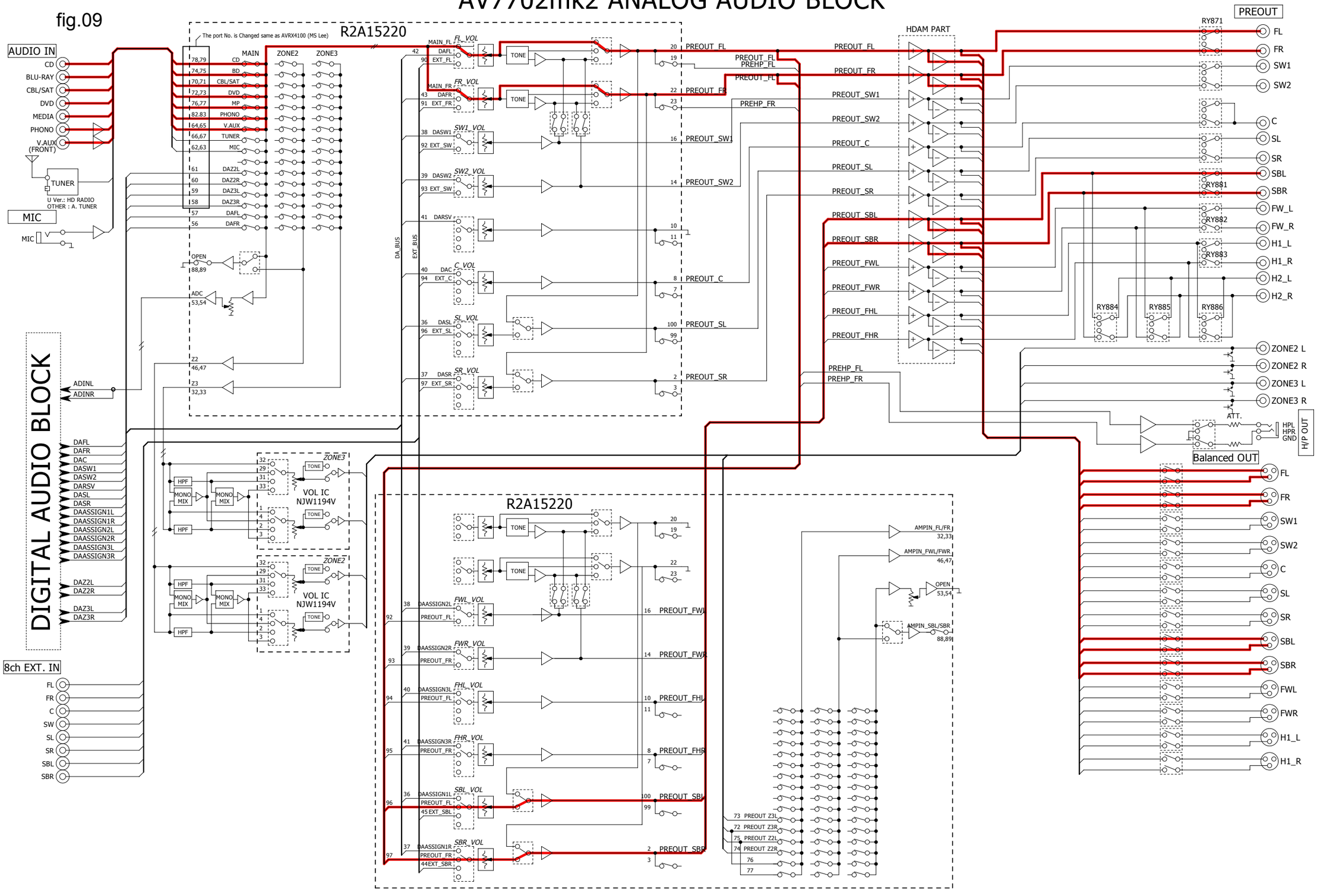
AV7702mk2 ANALOG AUDIO BLOCK

fig.08



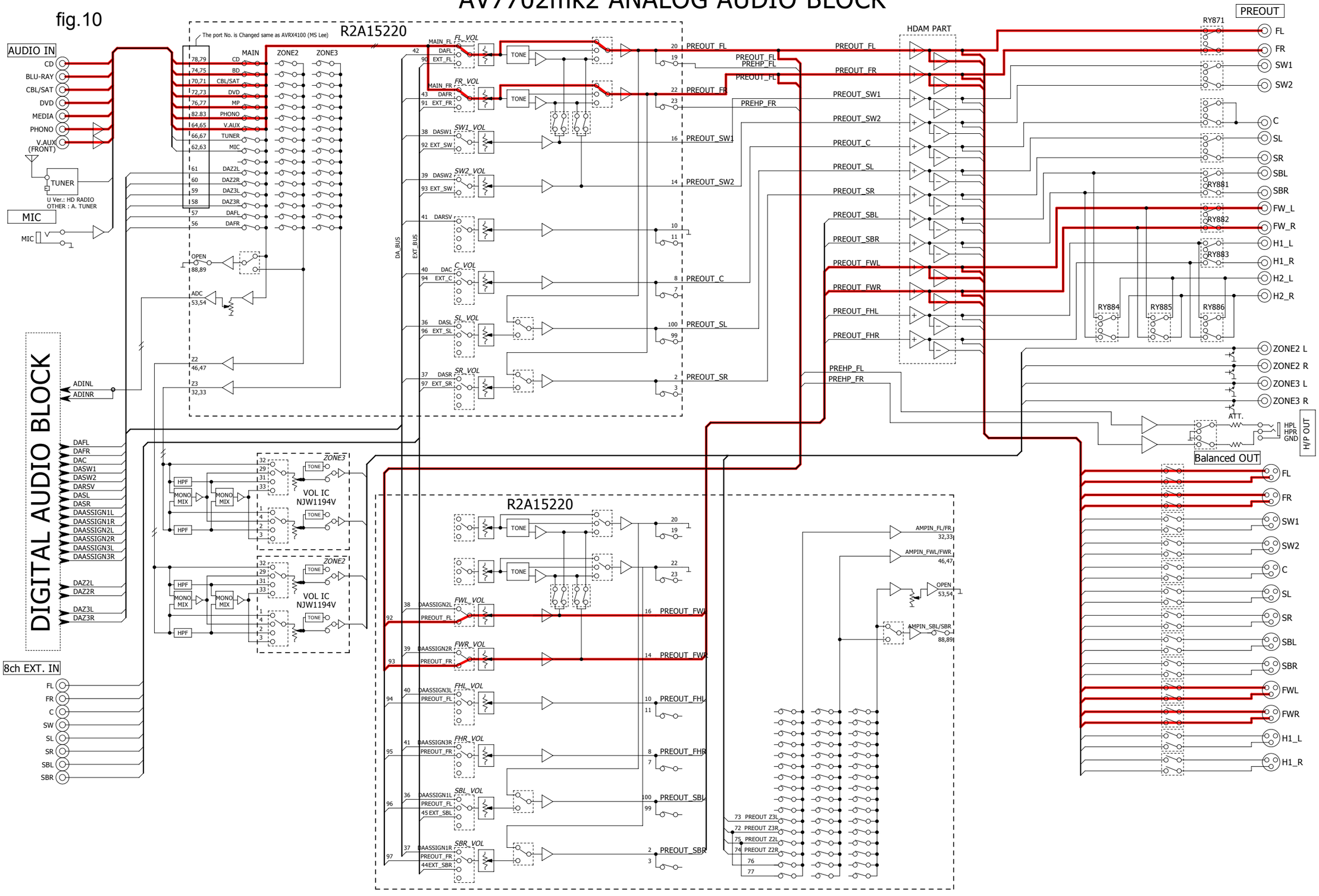
AV7702mk2 ANALOG AUDIO BLOCK

fig.09



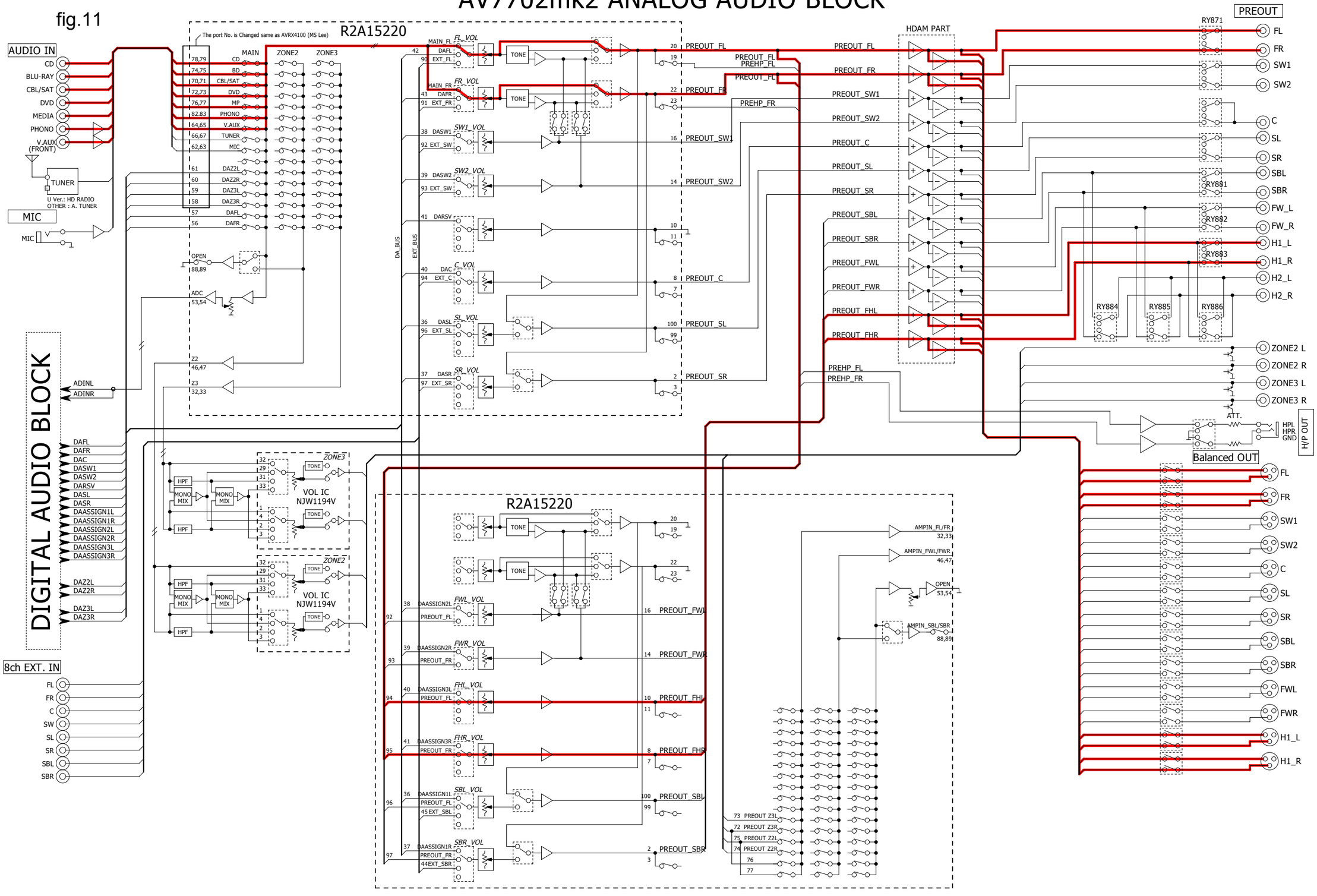
AV7702mk2 ANALOG AUDIO BLOCK

fig.10



AV7702mk2 ANALOG AUDIO BLOCK

fig.11



AV7702mk2 ANALOG AUDIO BLOCK

fig.12a

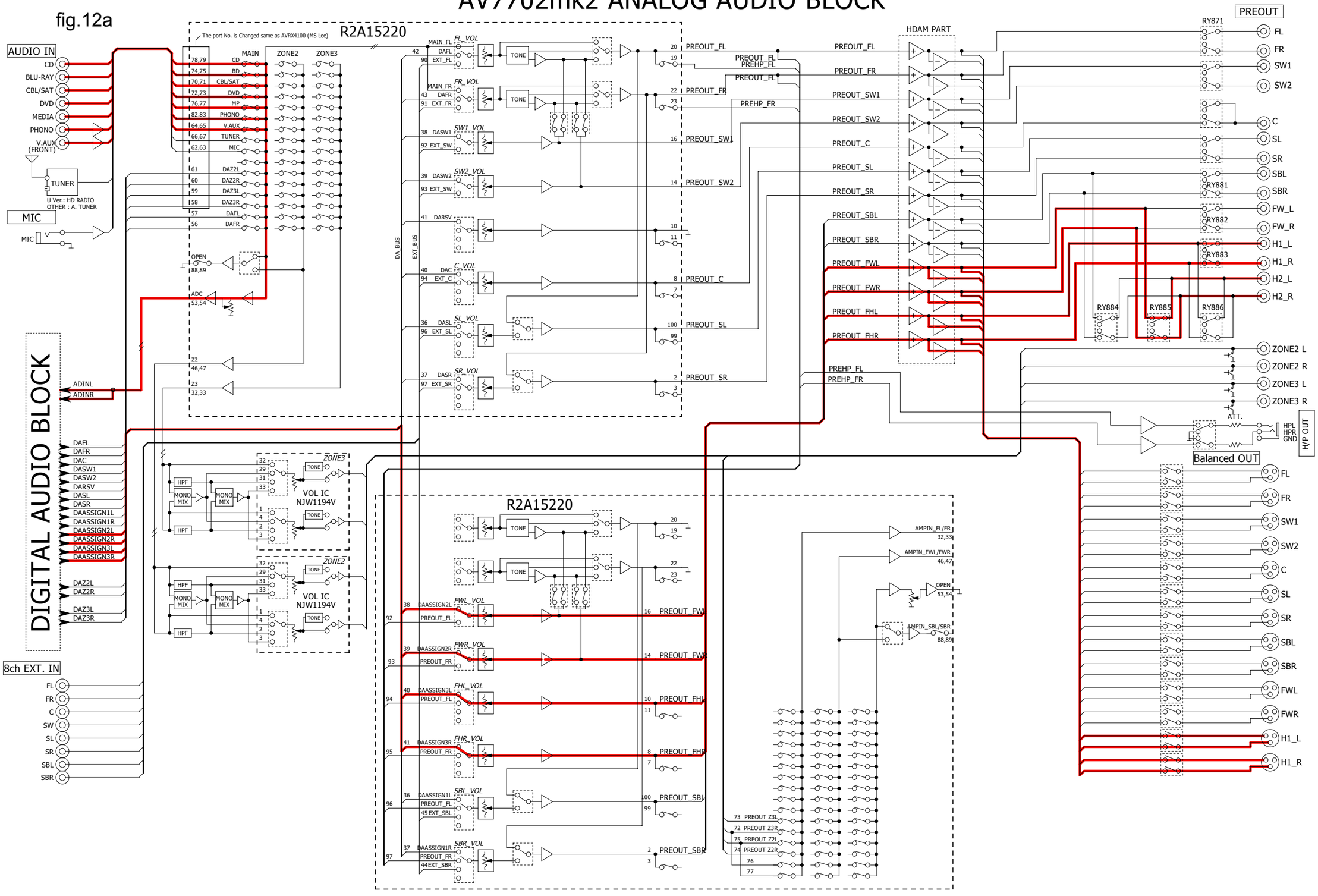
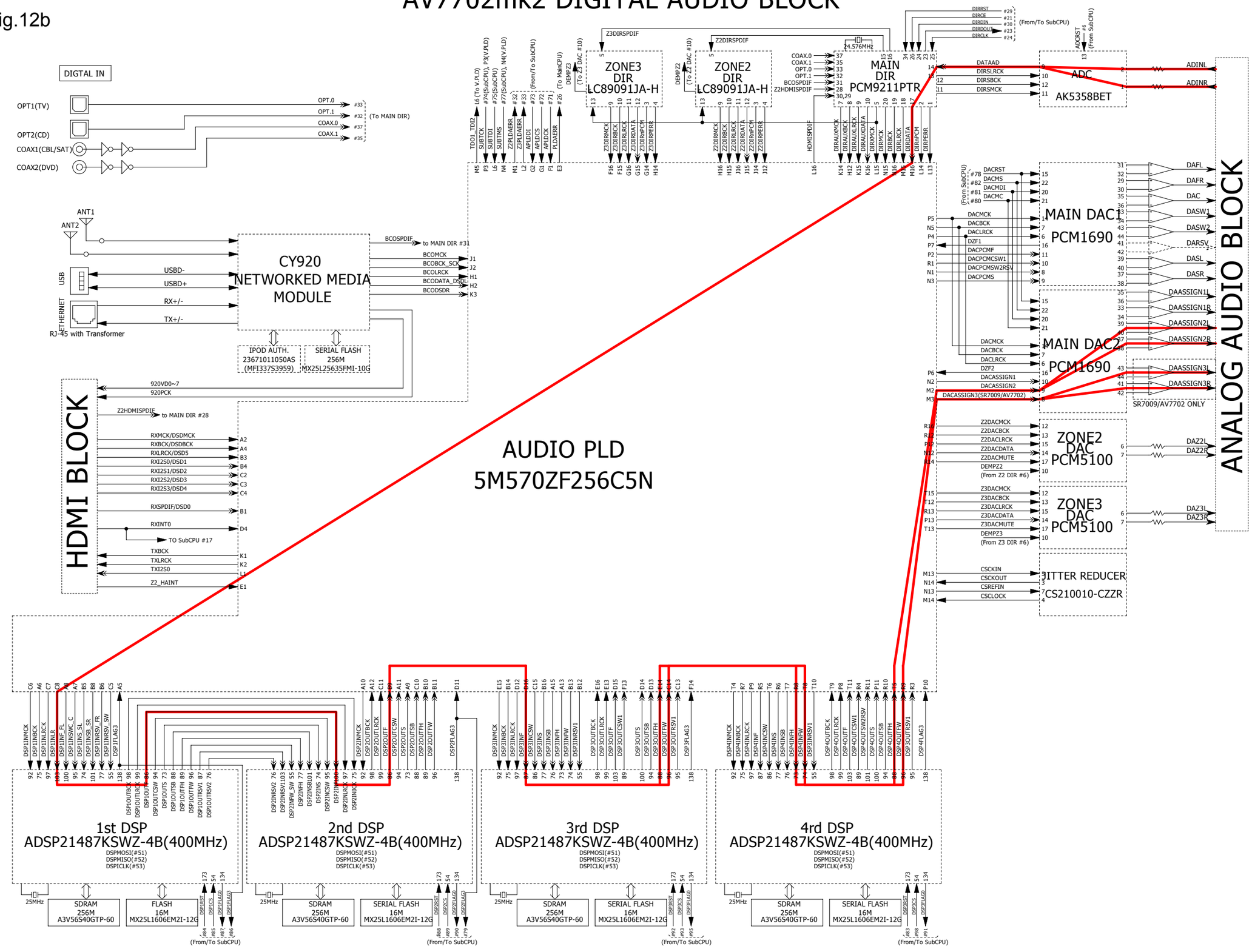


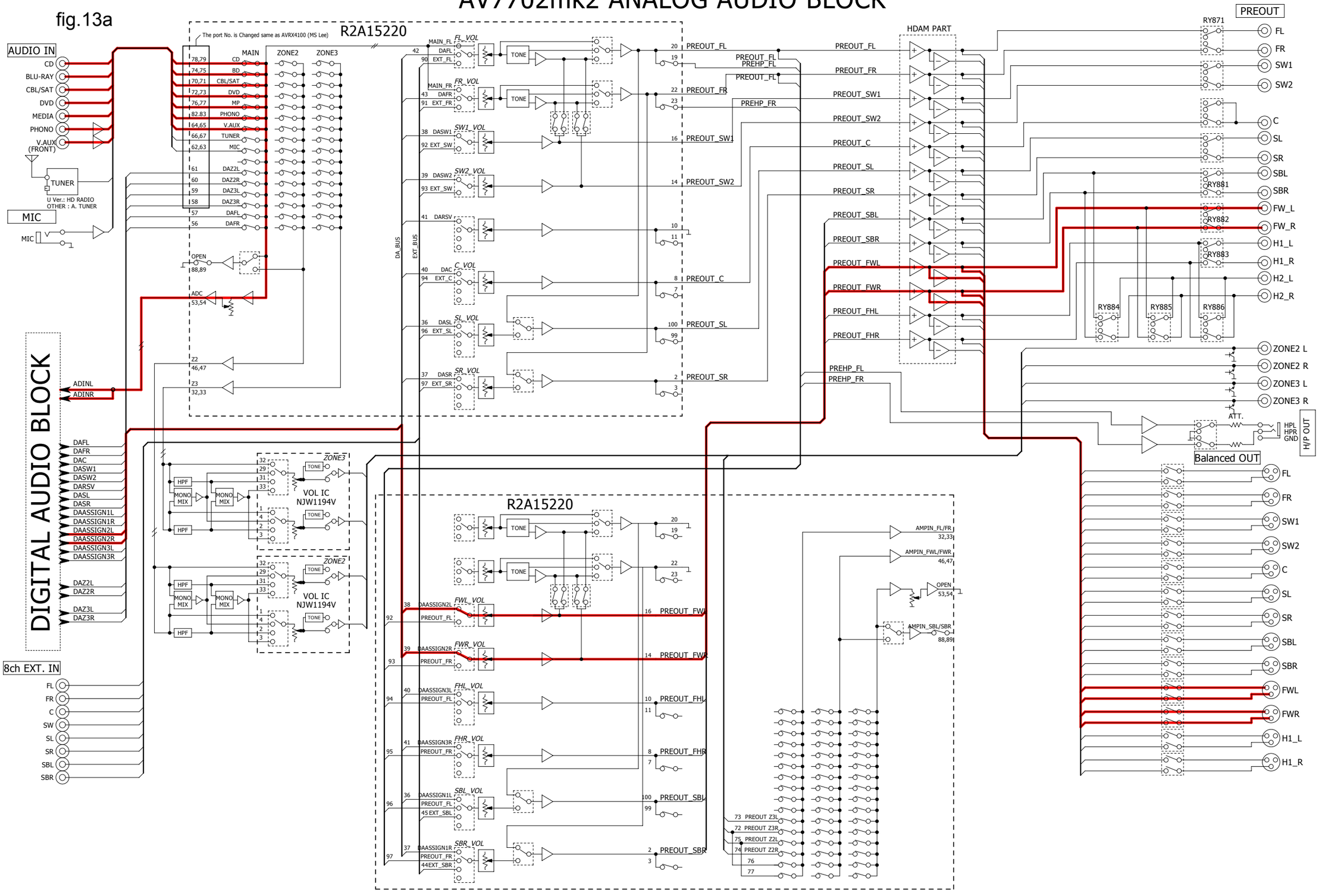
fig.12b

AV7702mk2 DIGITAL AUDIO BLOCK



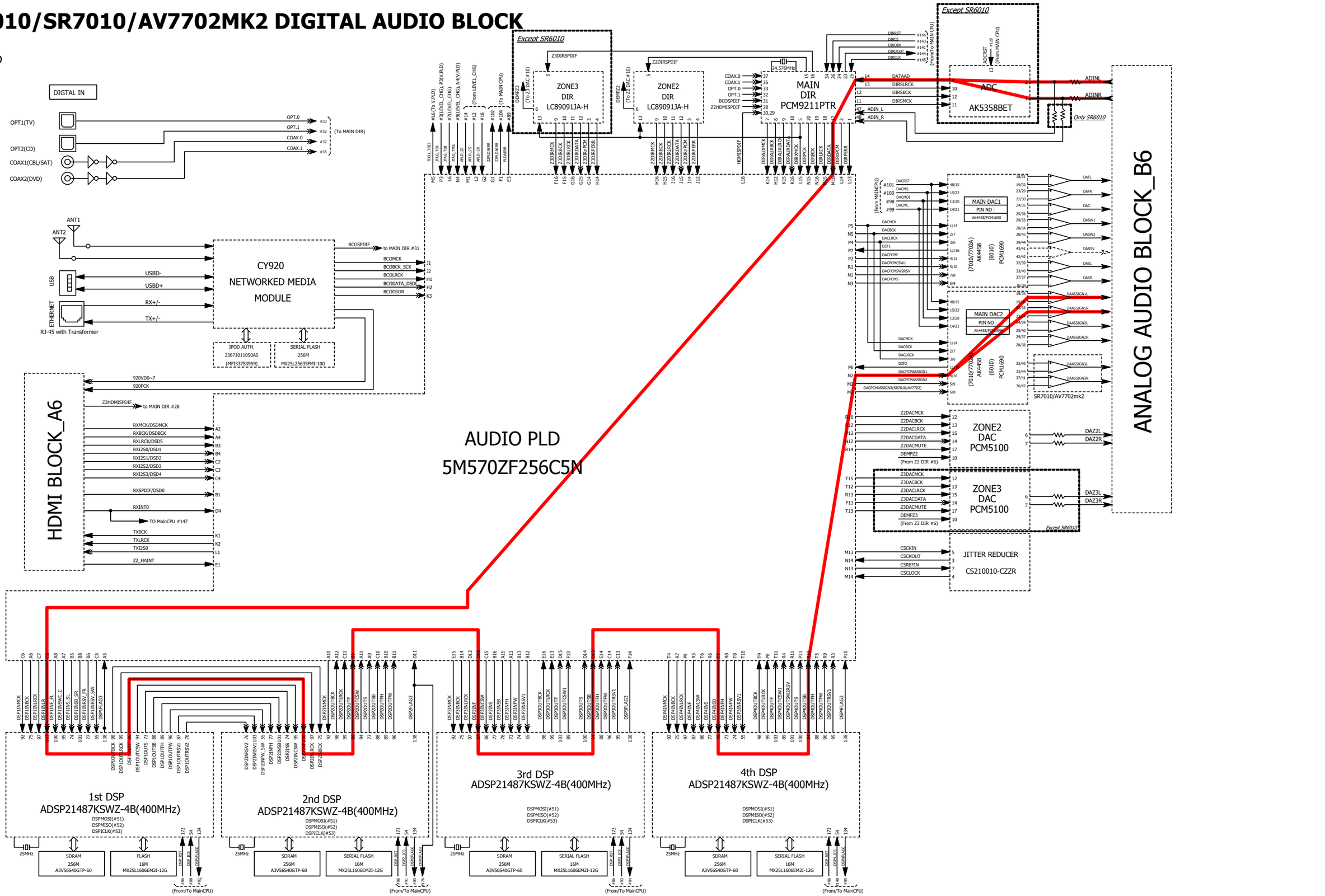
AV7702mk2 ANALOG AUDIO BLOCK

fig.13a



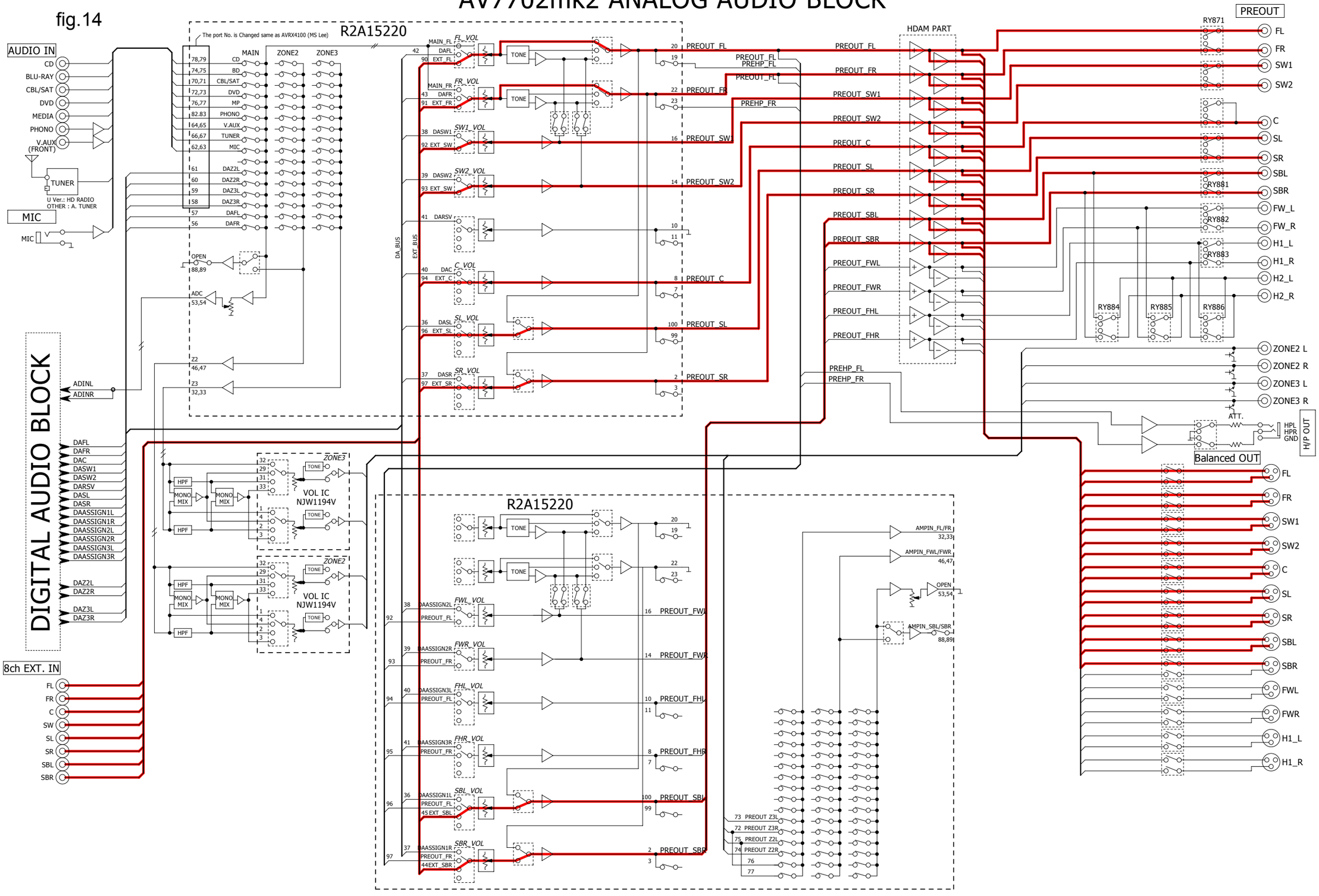
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.13b



AV7702mk2 ANALOG AUDIO BLOCK

fig.14



AV7702mk2 ANALOG AUDIO BLOCK

fig.15a

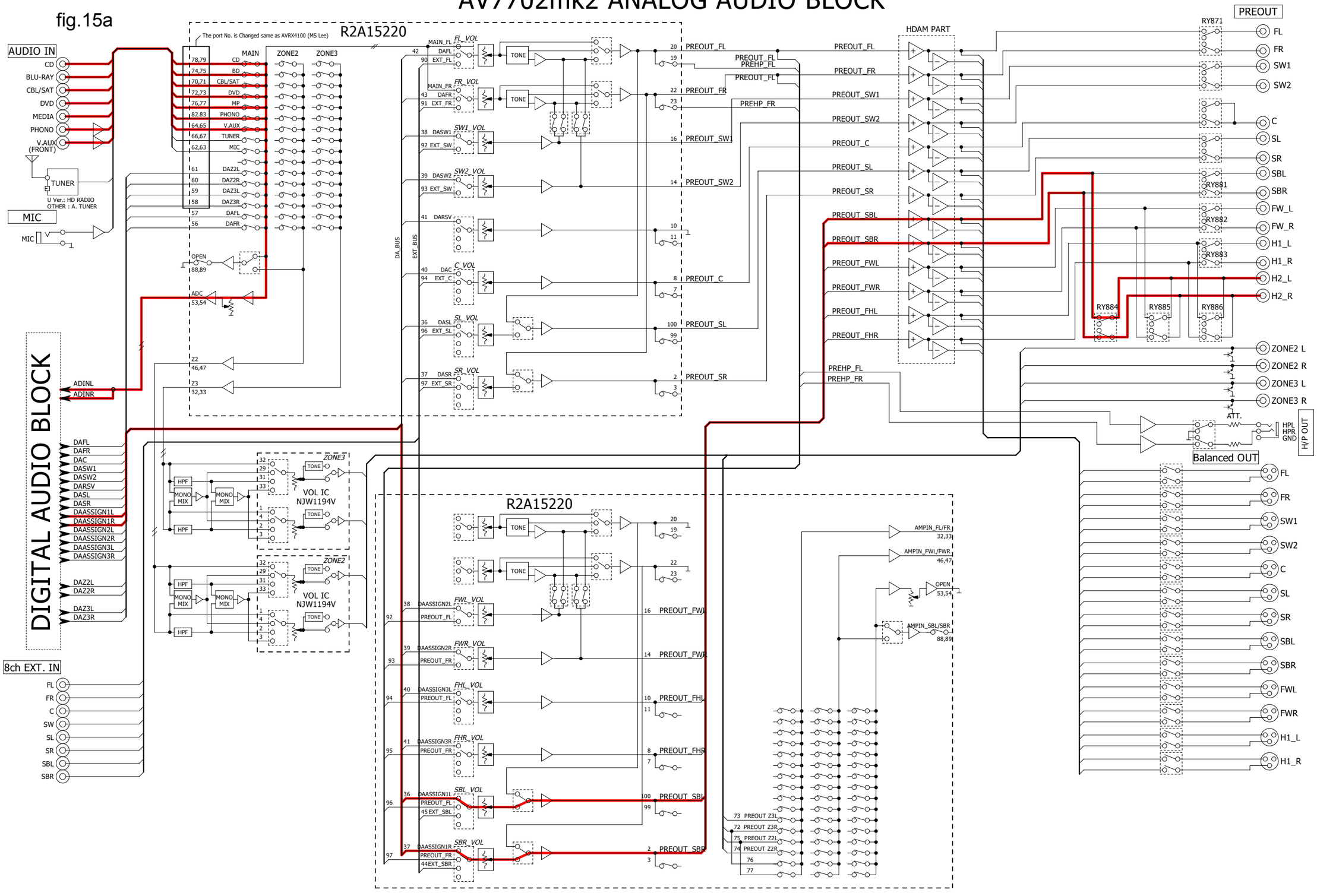


fig.15b

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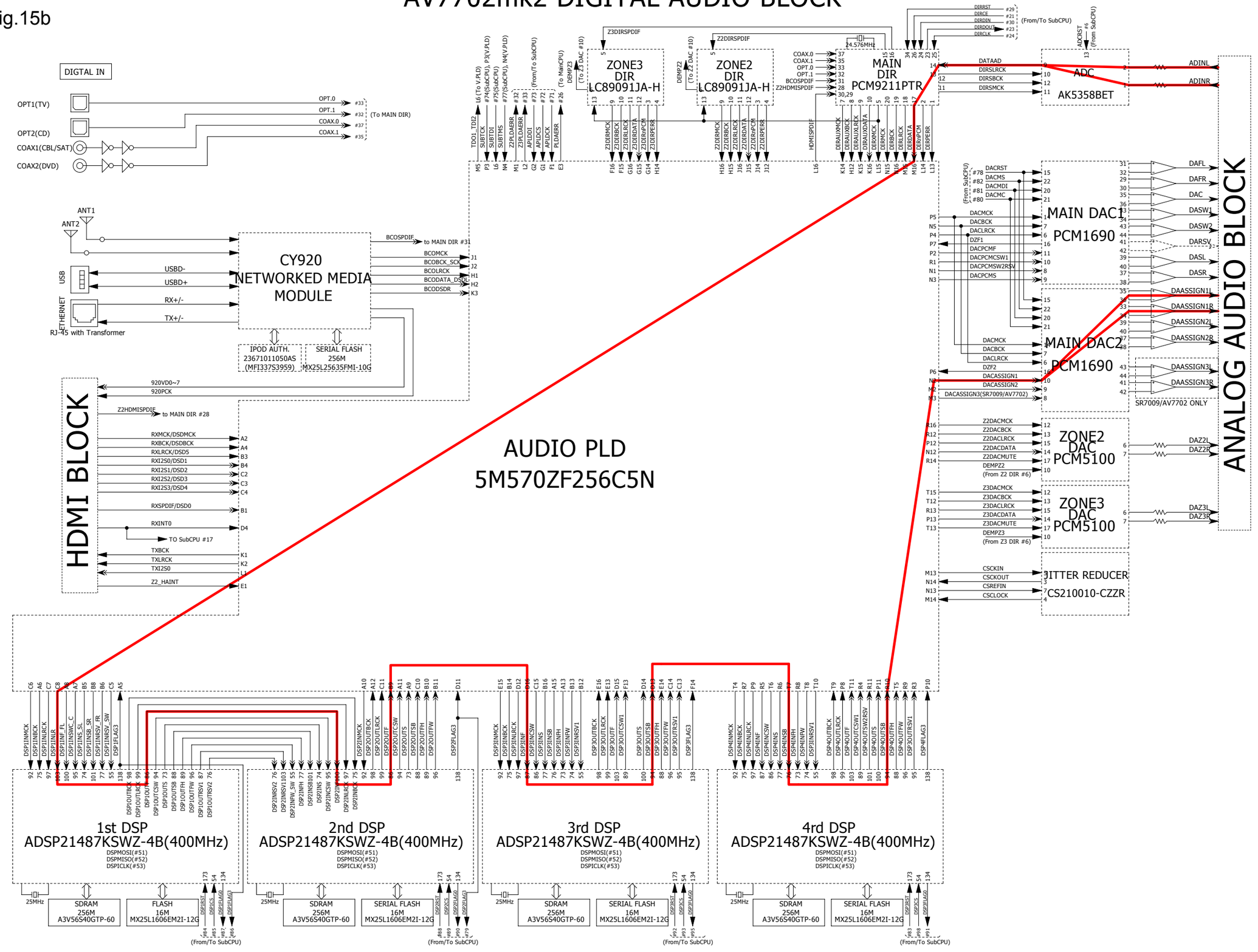


AV7702mk2 ANALOG AUDIO BLOCK

fig.16a

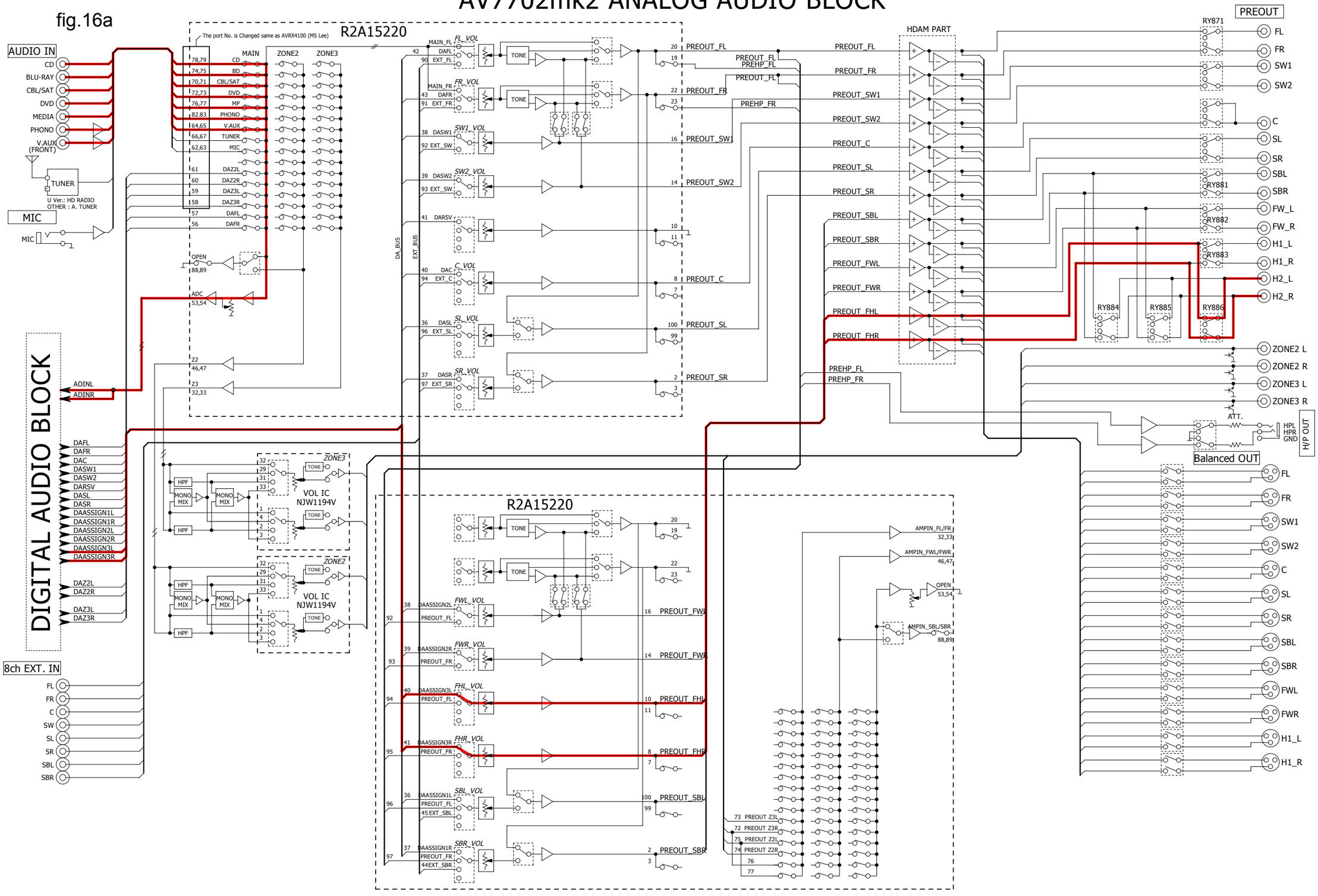
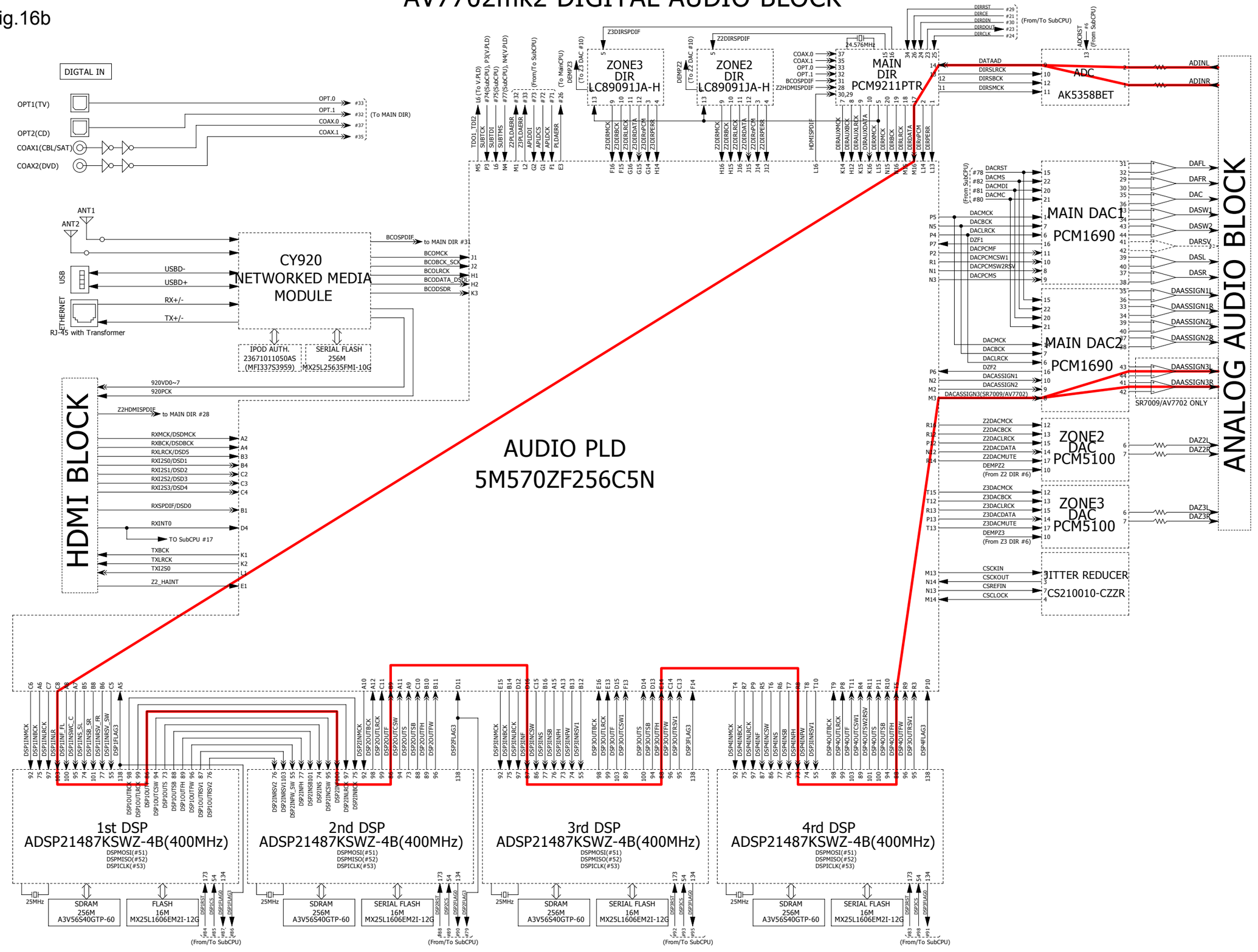


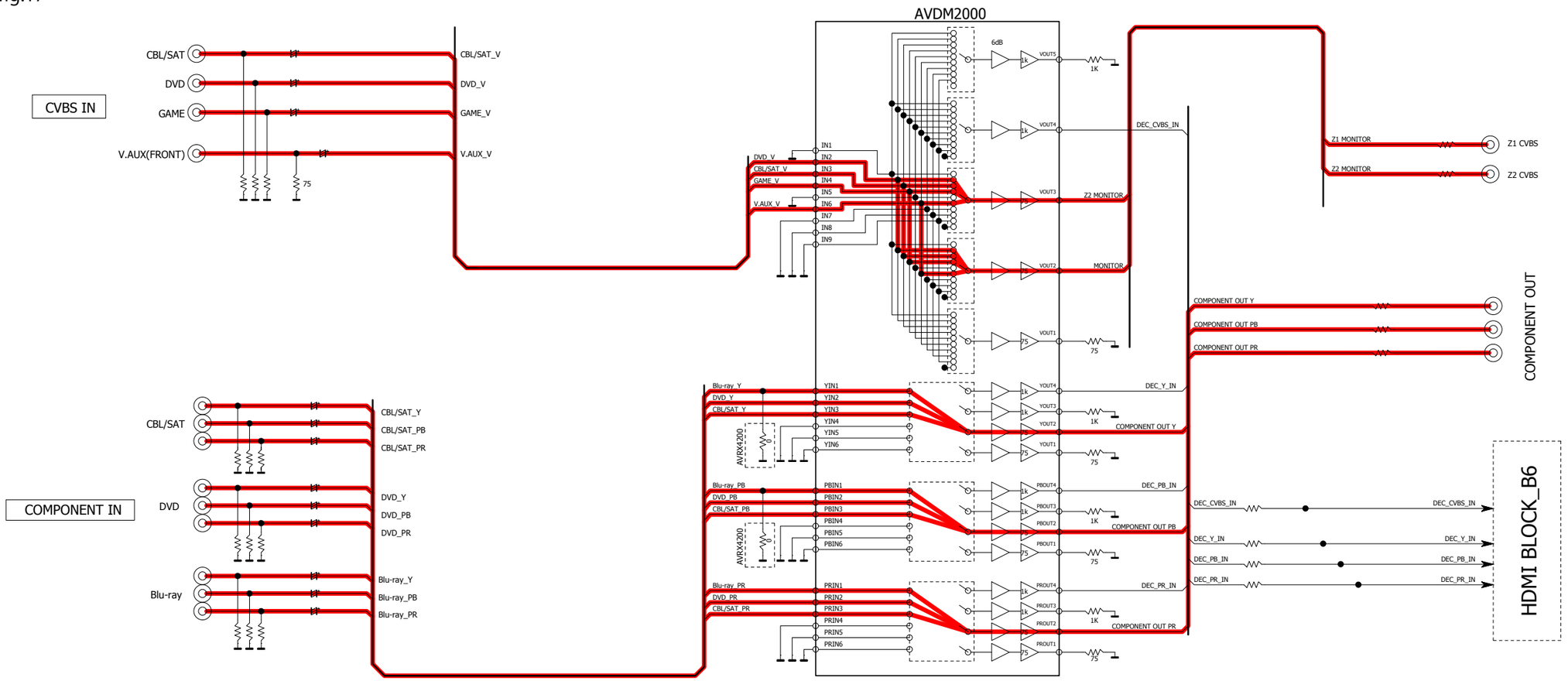
fig.16b

AV7702mk2 DIGITAL AUDIO BLOCK



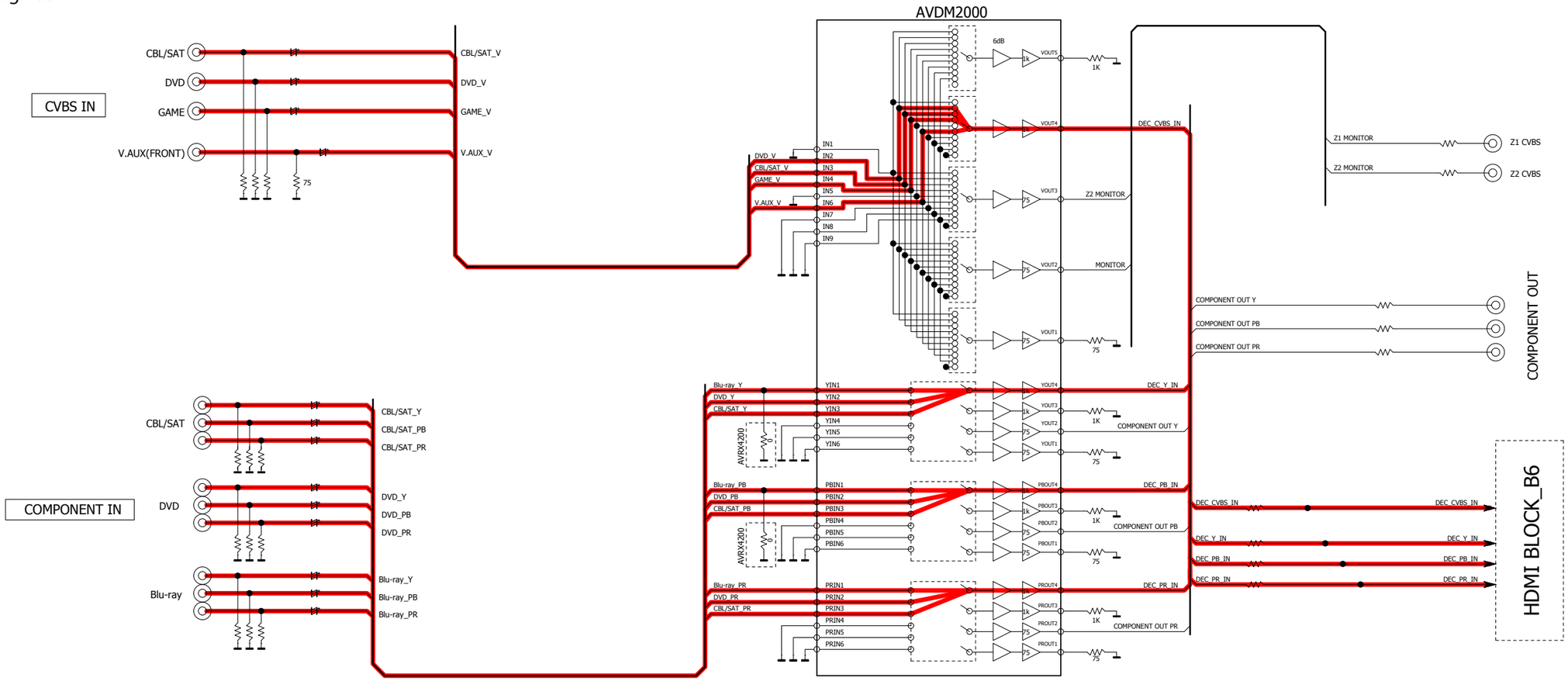
SR7010/AV7702MK2 ANALOG VIDEO BLOCK

fig.17



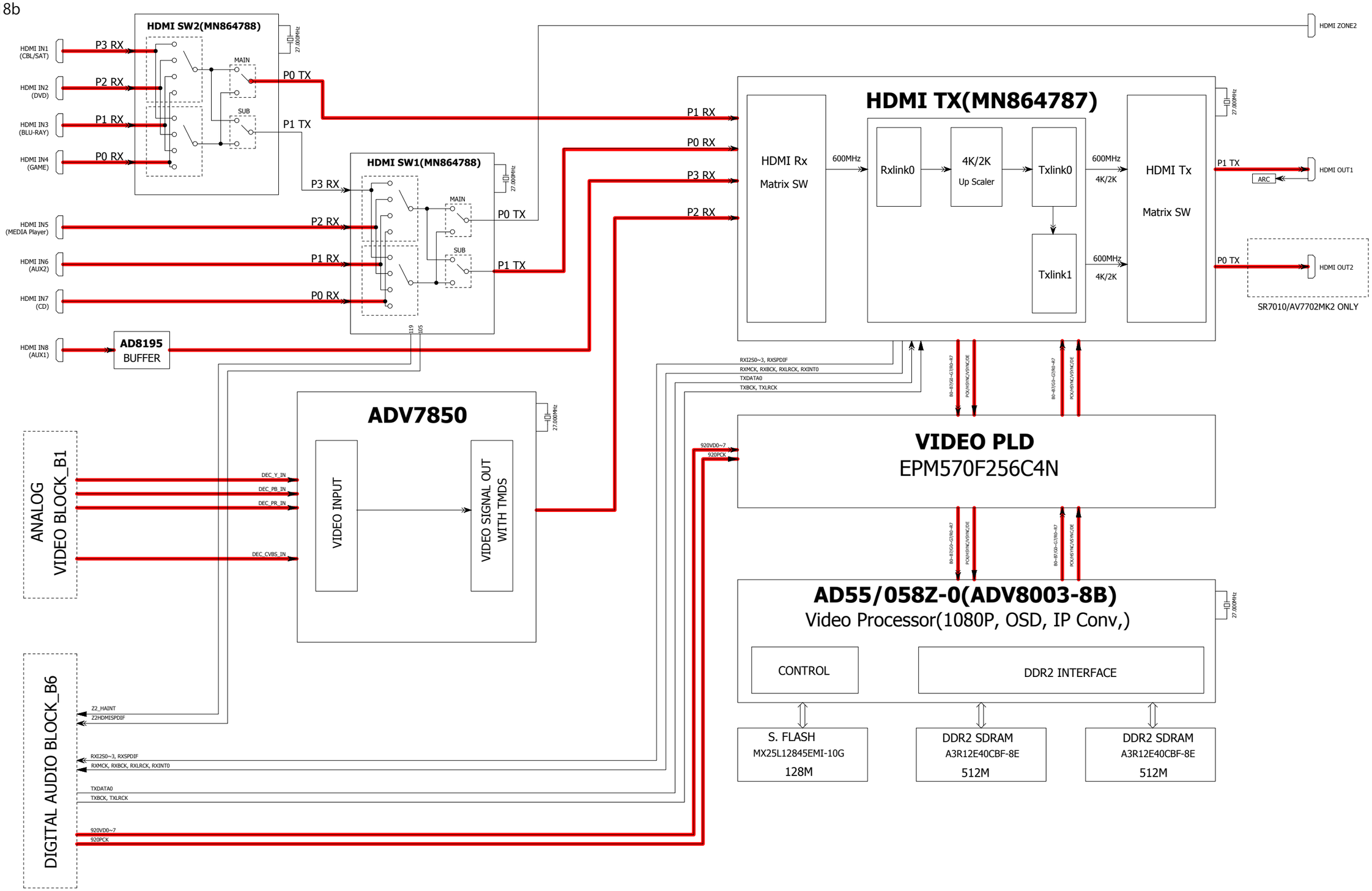
SR7010/AV7702MK2 ANALOG VIDEO BLOCK

fig.18a



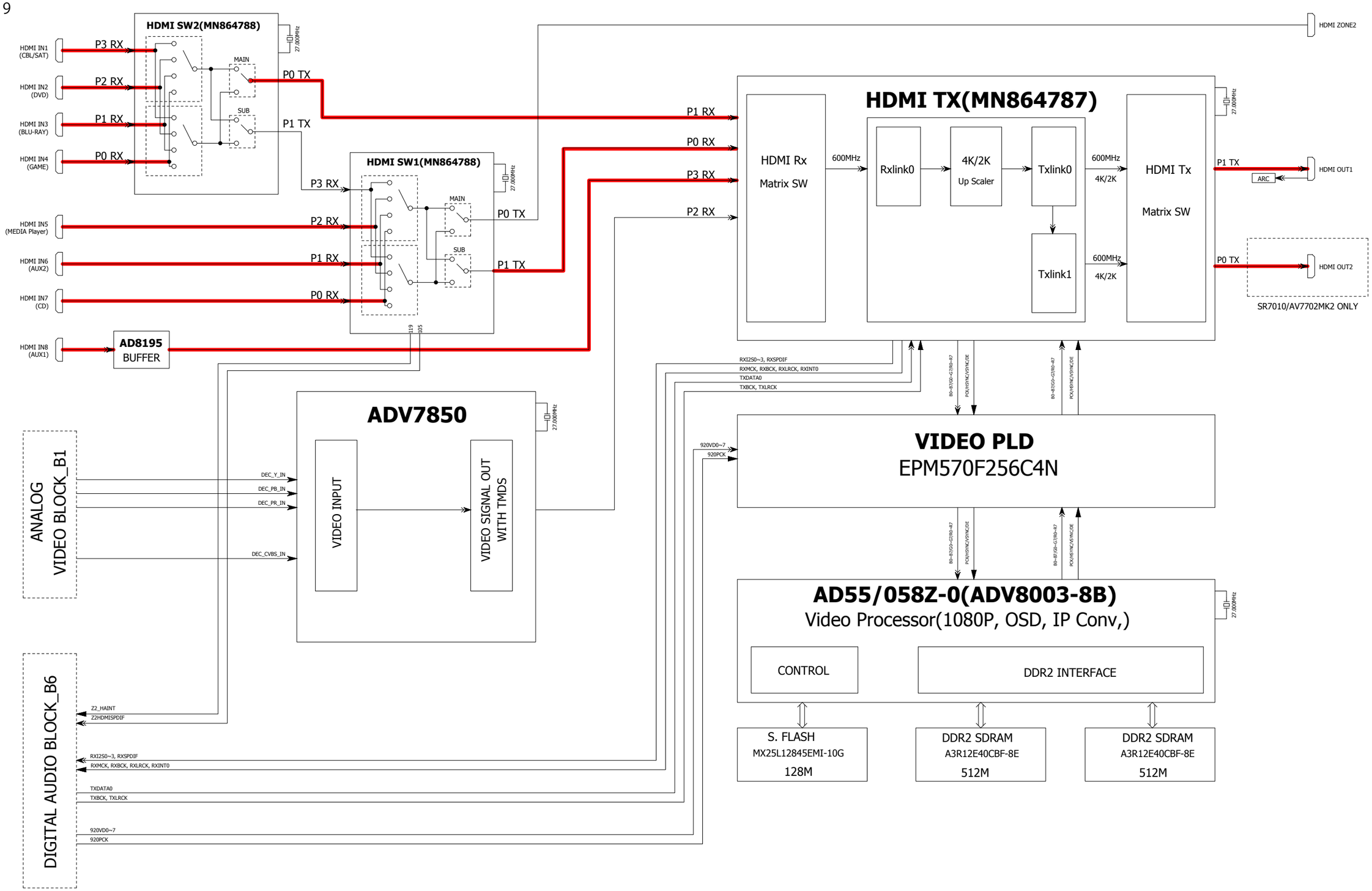
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.18b



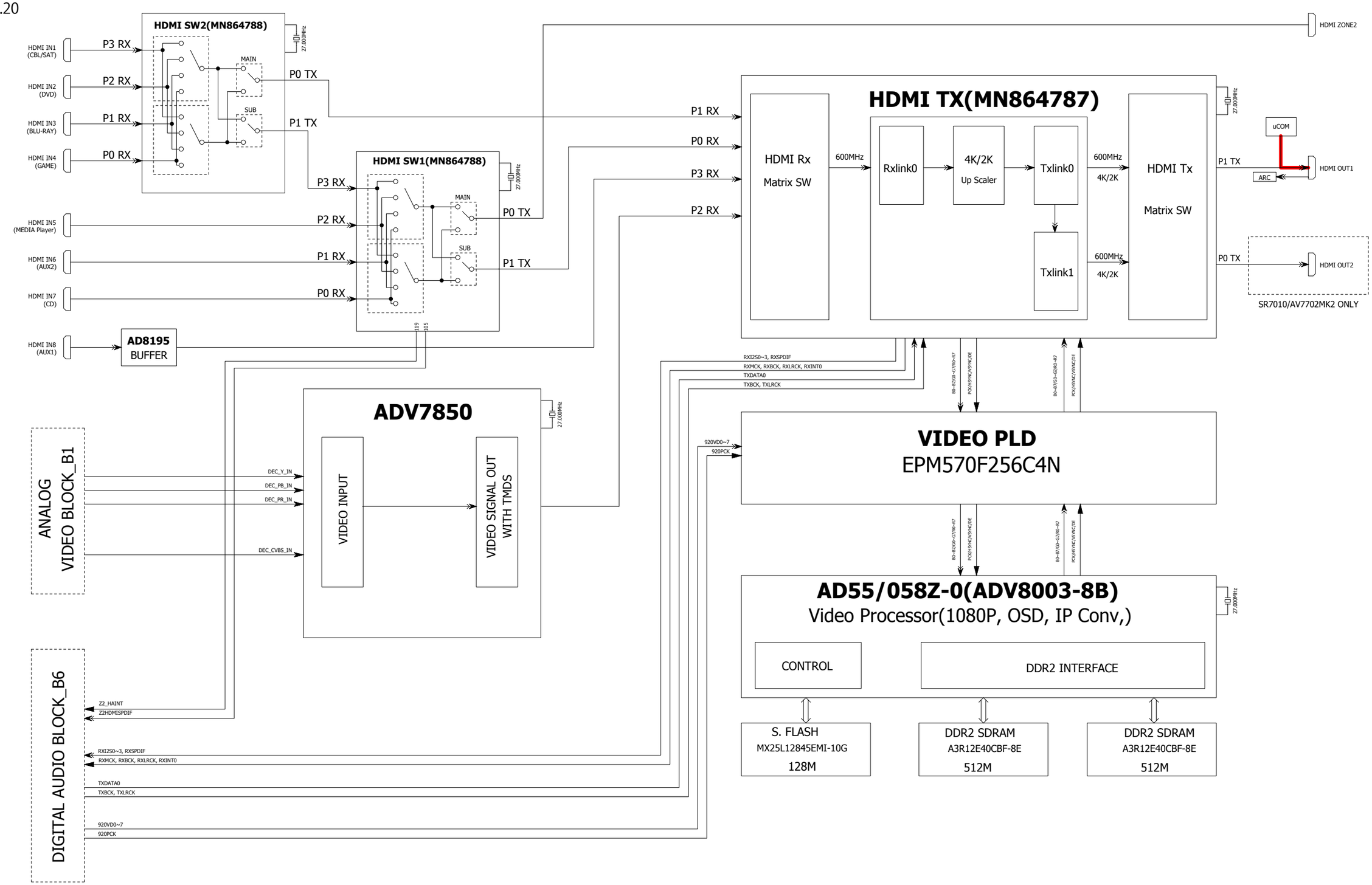
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.19



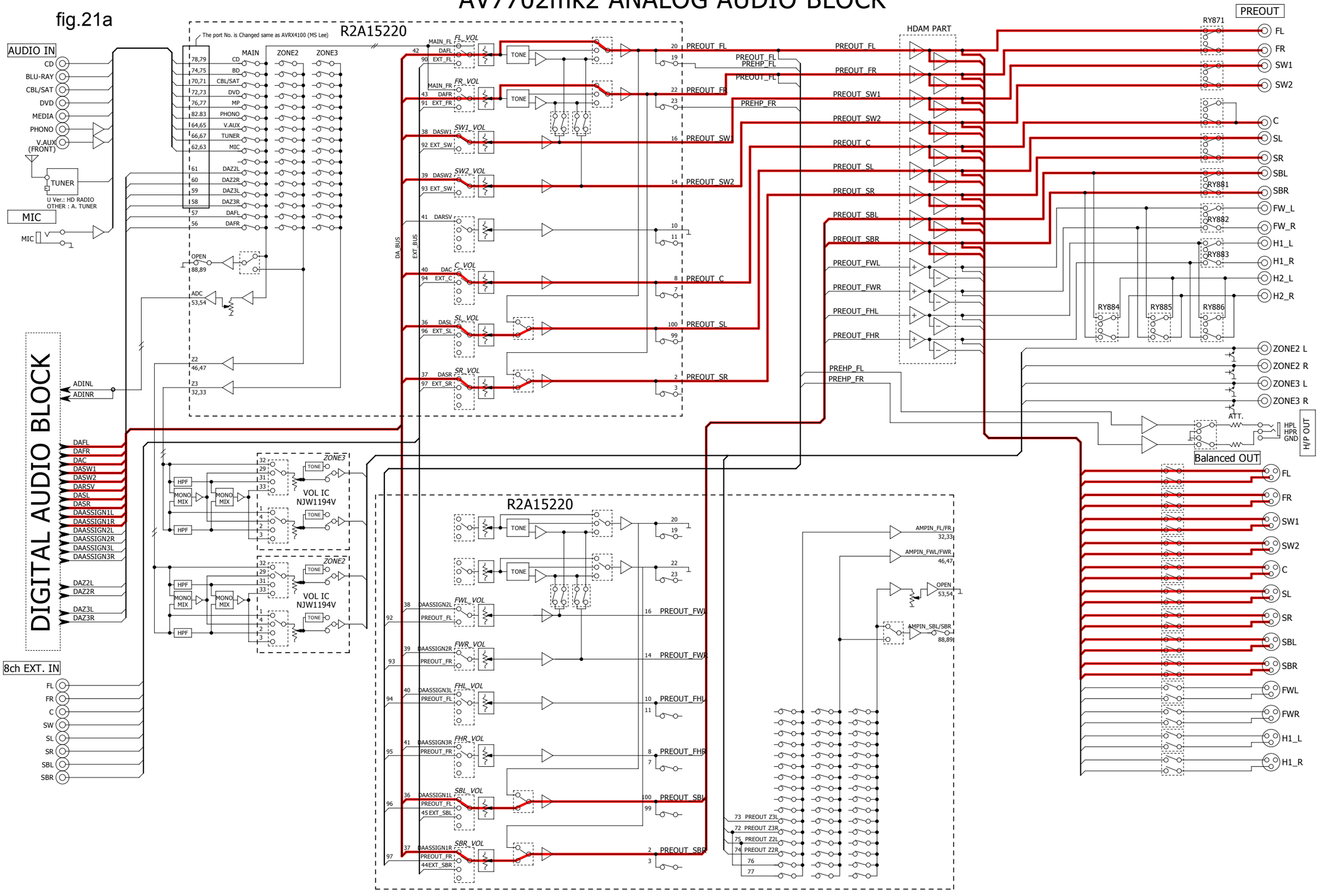
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.20



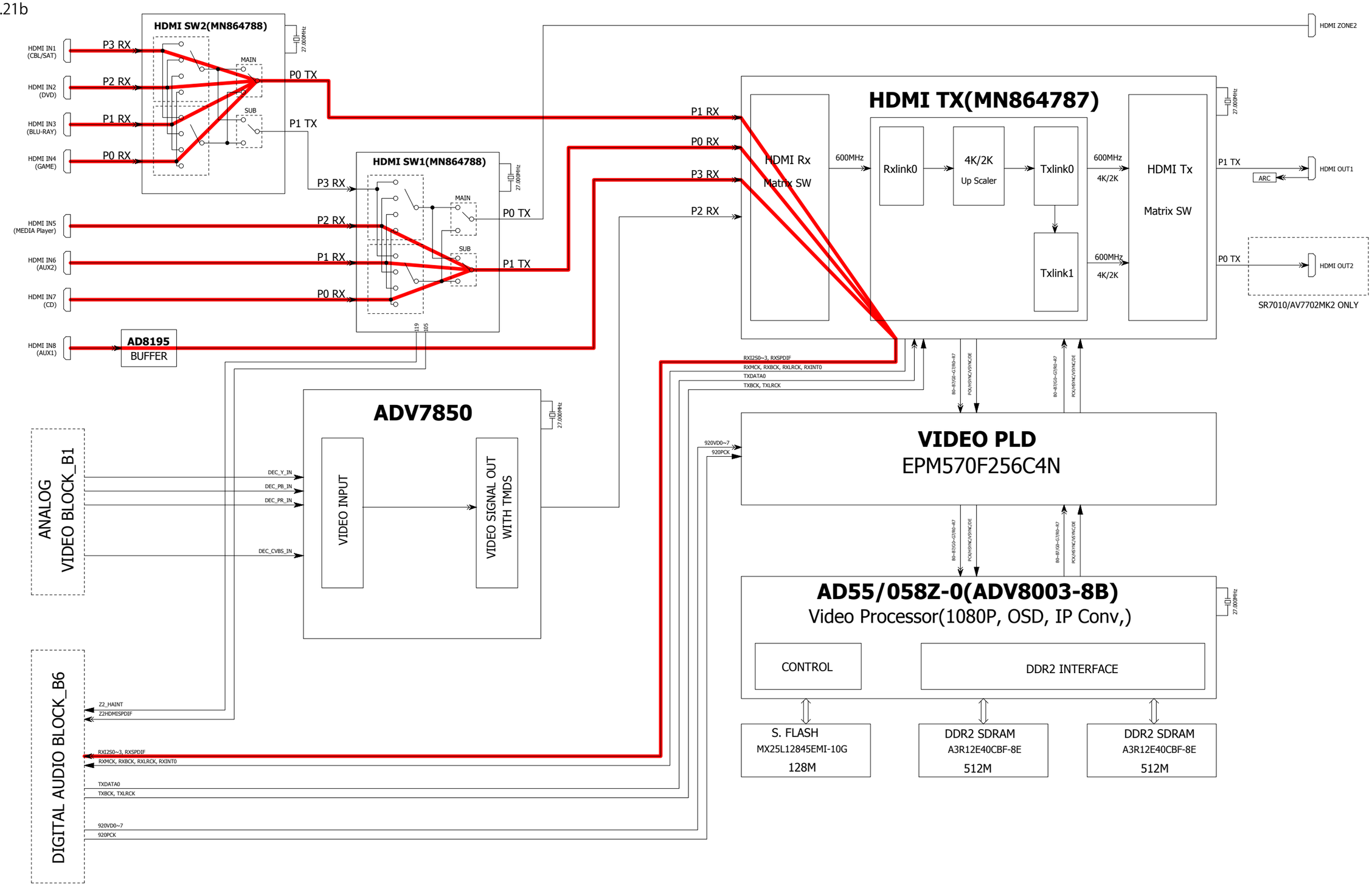
AV7702mk2 ANALOG AUDIO BLOCK

fig.21a



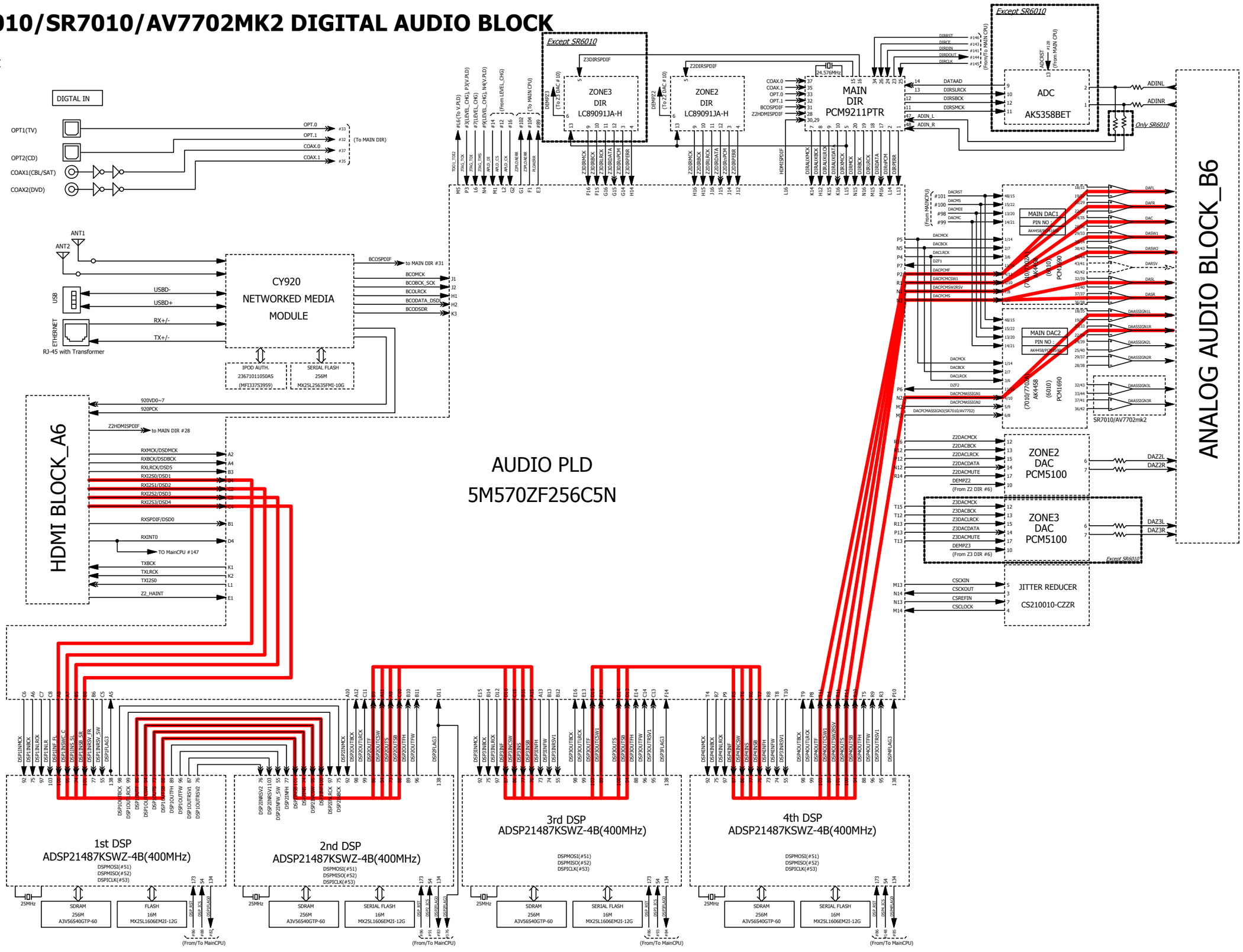
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.21b



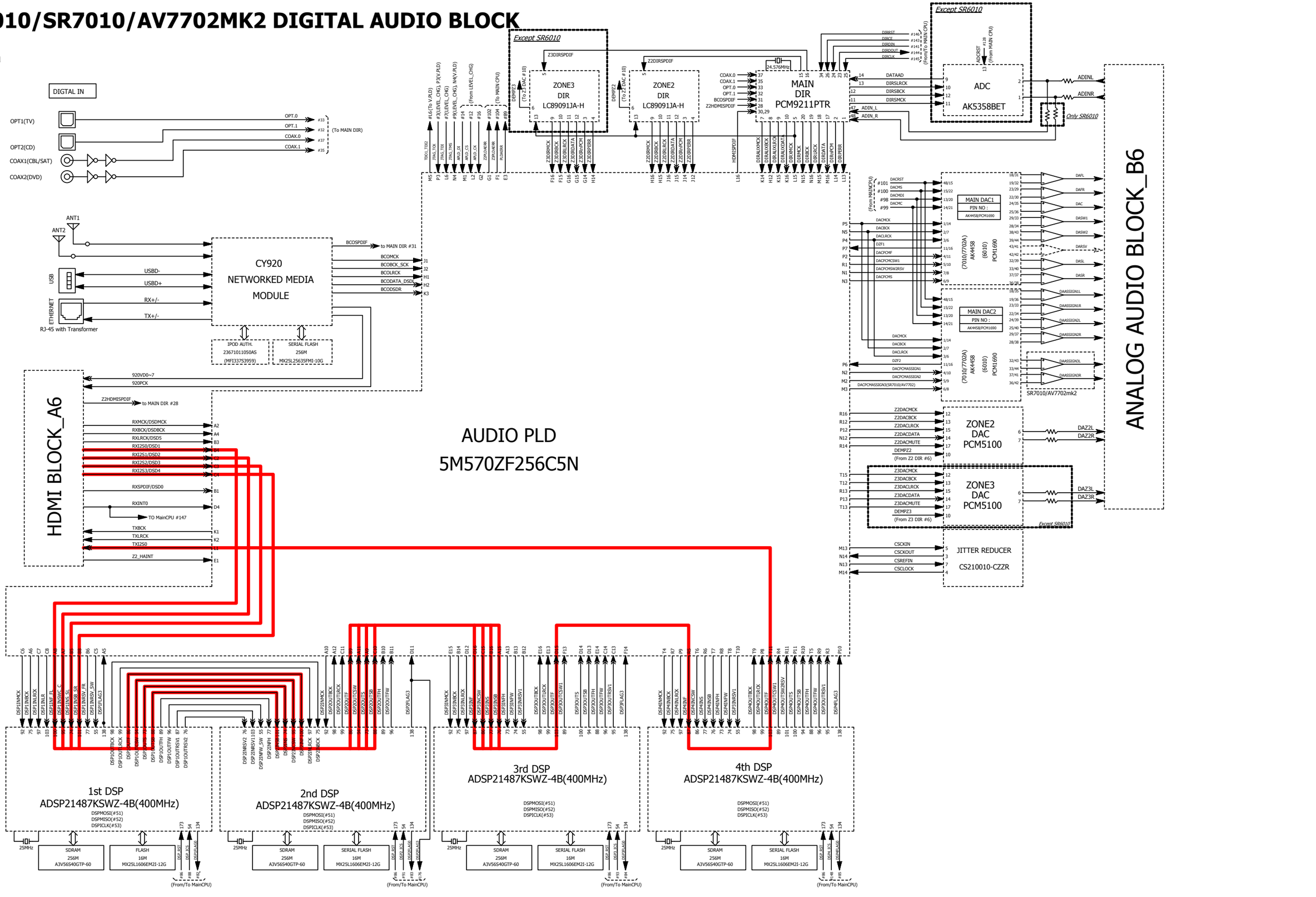
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.21c



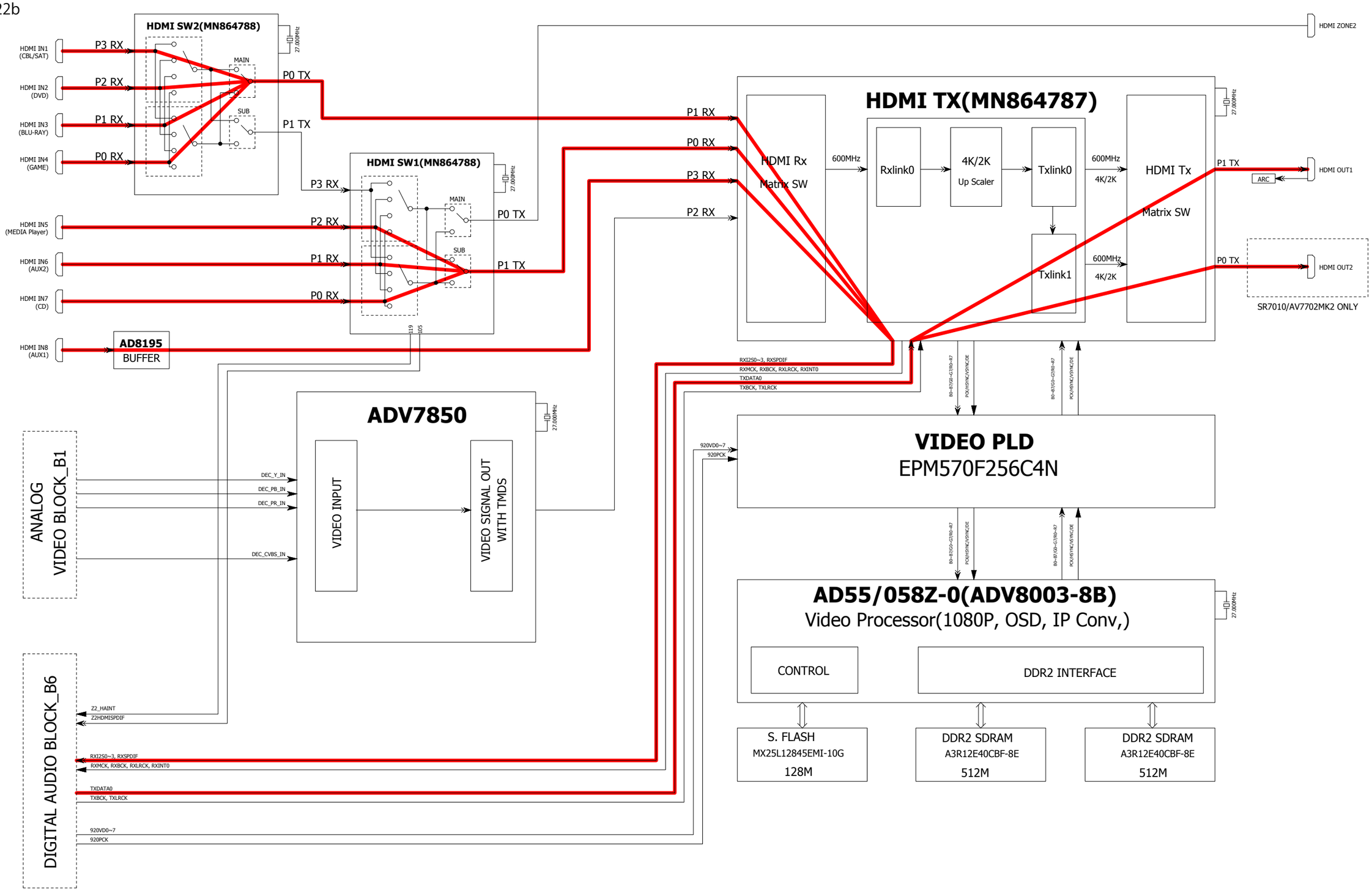
SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

fig.22a



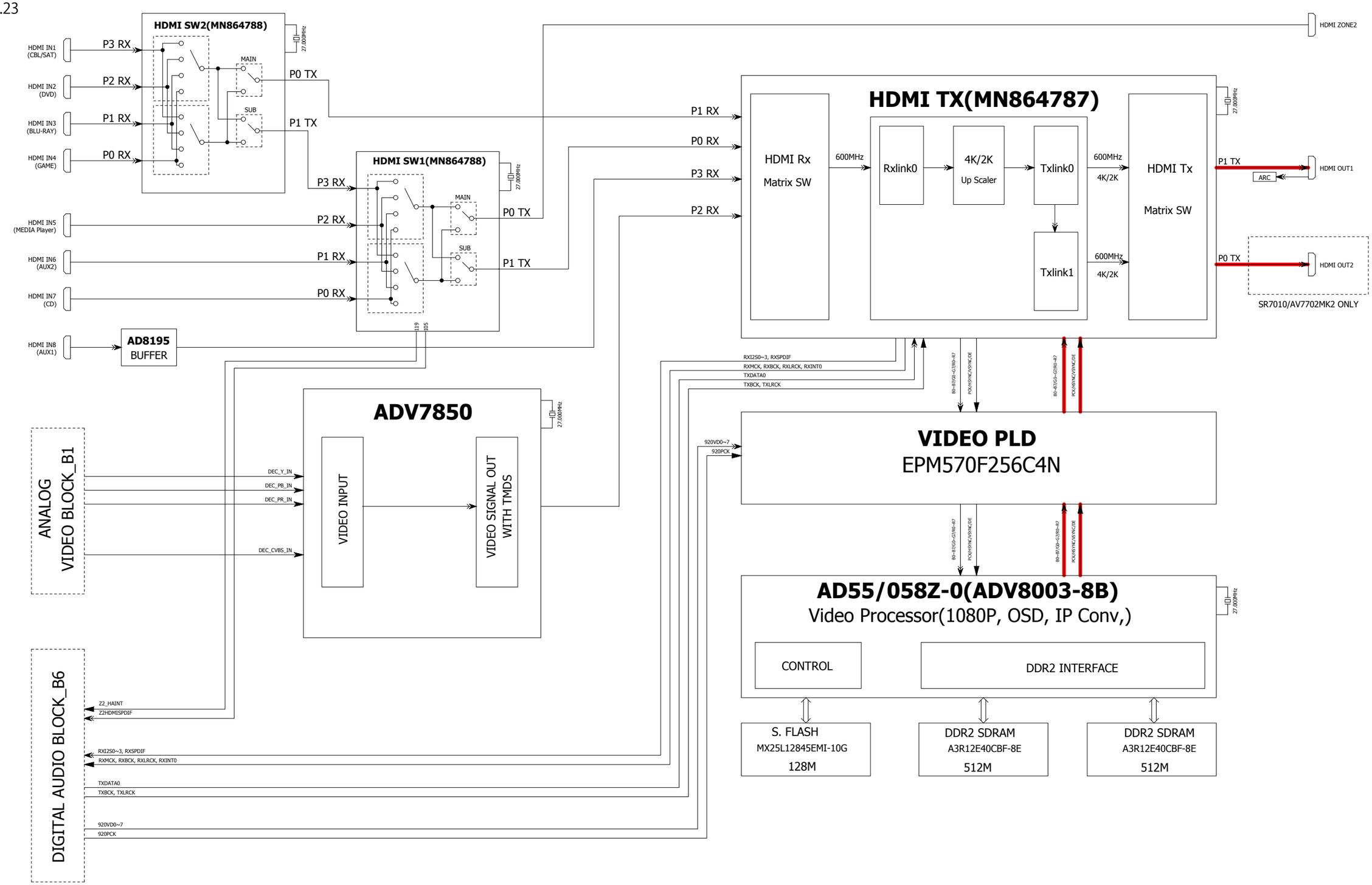
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.22b



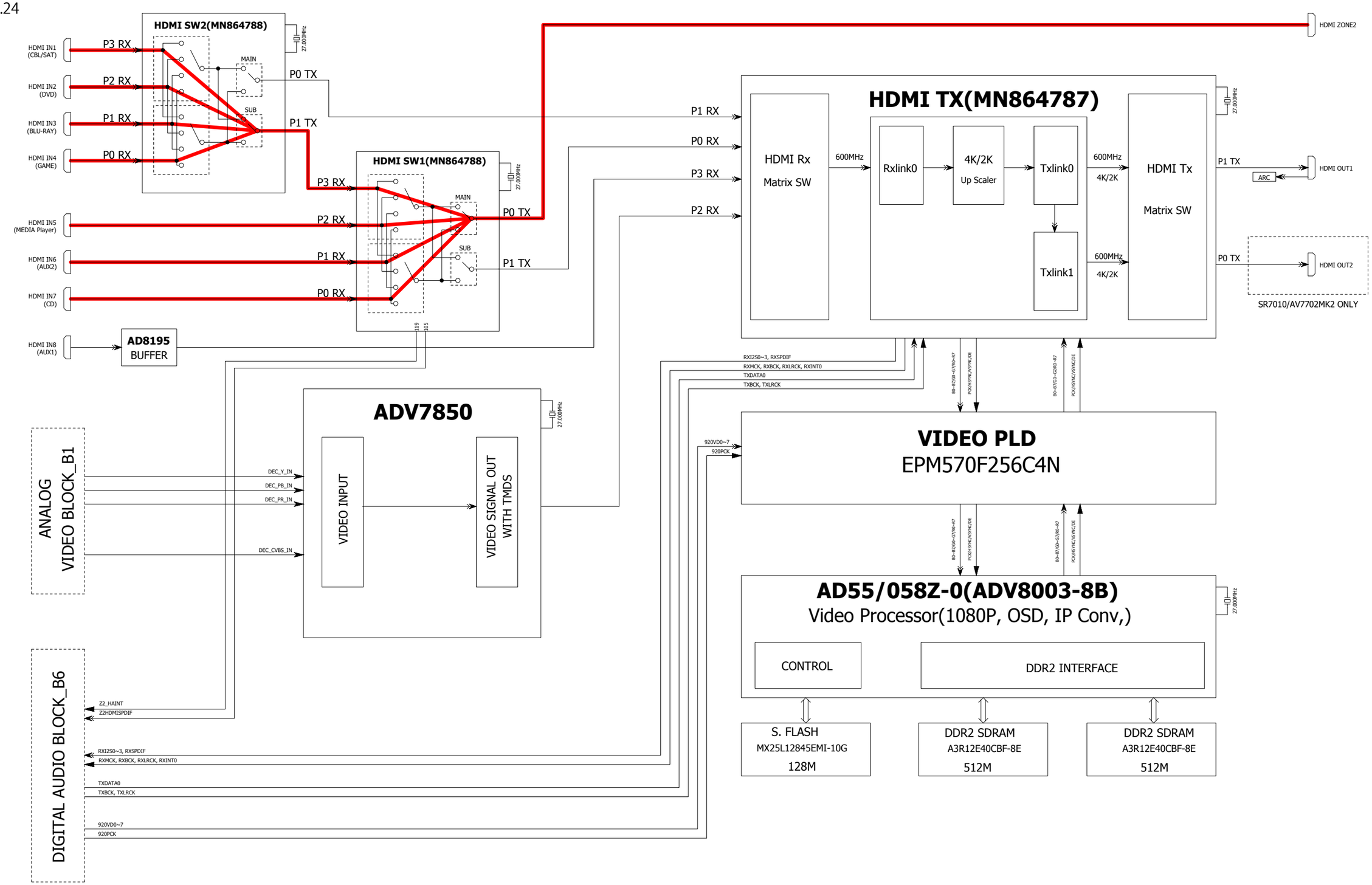
SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.23



SR6010/SR7010/AV7702MK2 HDMI BLOCK

fig.24



2-2. 232C Standby Clear Mode

2-2.1. Actions

Switches from 232C standby mode to normal standby mode.

2-2.2. Starting up

While holding down buttons "**ZONE SELECT**" and "**BACK**" simultaneously, press the power button to turn on the power.
Select the "**3.RS232C RESET**" using the "**CURSOR ▼/▲**" button, then press the "**ENTER**" button then to confirm.
Switches from 232C standby mode to normal standby mode.

2-3. Operation Info Mode

2-3.1. Actions

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

2-3.2. Starting up

While holding down buttons "**ZONE SELECT**" and "**BACK**" simultaneously, press the power button to turn on the power.
Select the "**4. OP INFO**" using the "**CURSOR ▼/▲**" button, then press the "**ENTER**" button to confirm.

2-3.3. Operations

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

(a) Accumulated operating time

FLD	L1	Operation Time	
	L2	Total: [ ] H	

"**STATUS**" ↑ Time display

(b) Power on count

FLD	L1	Power On Time	
	L2	Total: [ ]	

"**STATUS**" ↑ Count display

(c) DC / ASO Protection count

FLD	L1	Protection Time	
	L2	DC: [ ] / ASO: [ ]	

"**STATUS**"

(d) CURRENT Protection count

FLD	L1	Protection Time	
	L2	Current: [ ]	

"**STATUS**"

(Returns to normal display)

2-4. TUNER STEP mode (N only)

2-4.1. Actions

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

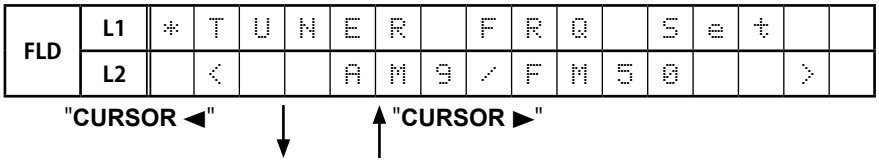
2-4.2. Starting up

While holding down buttons "**ZONE SELECT**" and "**BACK**" simultaneously, press the power button to turn on the power.
Select the "**5. TUNER FRQ SER**" using the "**CURSOR ▼/▲**" button, then press the "**ENTER**" button to confirm.

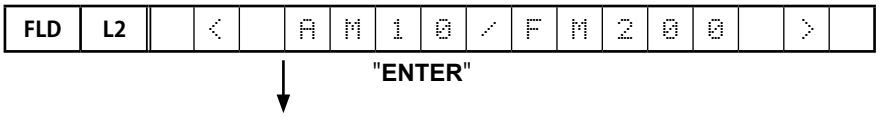
2-4.3. Displays

Start up this unit in TUNER STEP mode, select the desired option using the "**CURSOR ◄/►**" button, then enter using the "**ENTER**" button.
The following information is displayed in the following order.

(a) AM9 kHz / FM50 kHz is selected



(b) AM10 kHz / FM200 kHz is selected



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

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 "**BACK**" and "**ENTER**" simultaneously, press the power button to turn on the power.
Select the desired mode using the "**CURSOR ▼/▲**" button, then press the "**ENTER**" button to confirm.

3.3. Displaying and Selecting Each Mode

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

①

FLD	**L1**	▶	F	P	/	V	O	L		L	O	C	K	*	O	n	
	L2		F	P		L	O	C	K						O	n	

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

②

FLD	**L1**		F	P	/	V	O	L		L	O	C	K	*	O	n	
	L2	▶	F	P		L	O	C	K						O	n	

The buttons on the unit does not function.

③

FLD	**L1**		F	P		L	O	C	K						O	n	
	L2	▶	F	P		L	O	C	K						O	f	f

The PANEL LOCK mode is turned off.

④

FLD	**L1**		F	P		L	O	C	K						O	f	f
	L2	▶	R	C		L	O	C	K						O	n	

The device cannot be operated by the remote control.

⑤

FLD	**L1**		R	C		L	O	C	K						O	n	
	L2	▶	R	C		L	O	C	K					*	O	f	f

The REMOTE LOCK mode is turned off.

4. CY920 Reboot Mode

4.1. 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**")

4.2. Operations

(1) Turn the "**Online Music**" button on and set the input source to NETWORK.
(2) While the power is on, hold down buttons "**M-DAX**" and "**DYNAMIC EQ**" for at least 3 seconds.
Display during CY920 reboot

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

(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.

5. CY920 Initialization Mode

5.1. 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

5.2. Operations

While the power is on, hold down buttons "**BACK**" and "**ENTER**" for at least 3 seconds.

Initializing Display

FLD	L1	I	n	i	t	i	a	l	i	z	i	n	g				
FLD	L1	I	n	i	t	i	a	l	i	z	i	n	g	.			
FLD	L1	I	n	i	t	i	a	l	i	z	i	n	g	.	.		
FLD	L1	I	n	i	t	i	a	l	i	z	i	n	g	.	.	.	

Complete Display

FLD	L1				C	o	m	p	l	e	t	e	d				

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

Failed Display

FLD	L1						F	a	i	l	e	d	d				

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

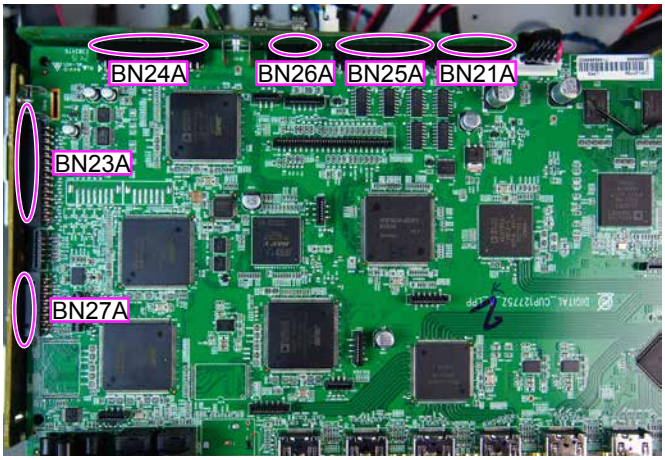
---Items to Be Prepared---

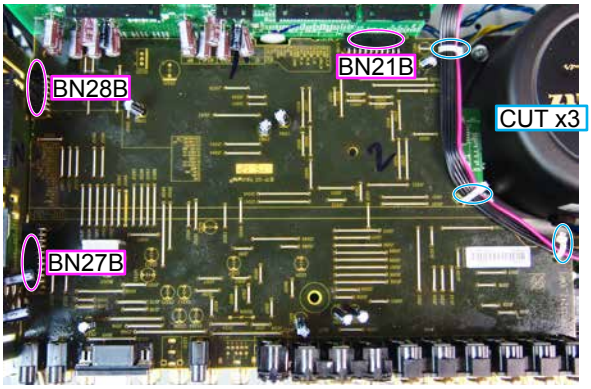
8U-110084S	:	EXTENSION UNIT KIT	:	1Sets
8U-110136S	:	EXTENSION UNIT KIT	:	1Sets
Insulation sheet (Not supplied)	:	3 sheets		
Ground lead (Not supplied)	:	3 pcs		

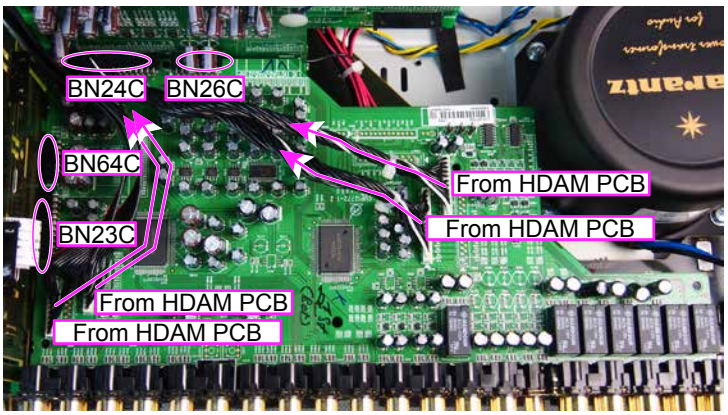
-Procedures-

(1) Remove the screws.

(2) Remove the connector PCB.

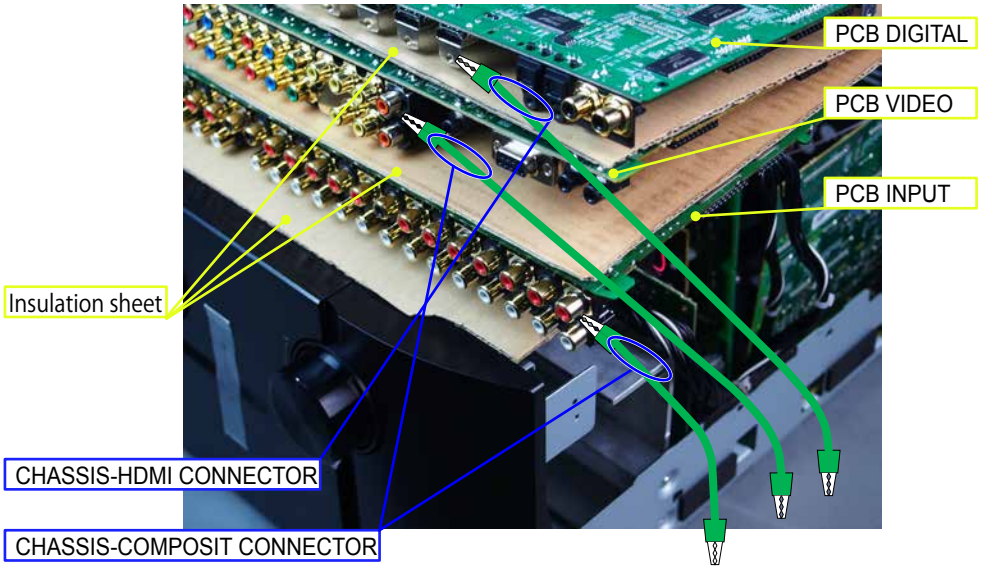




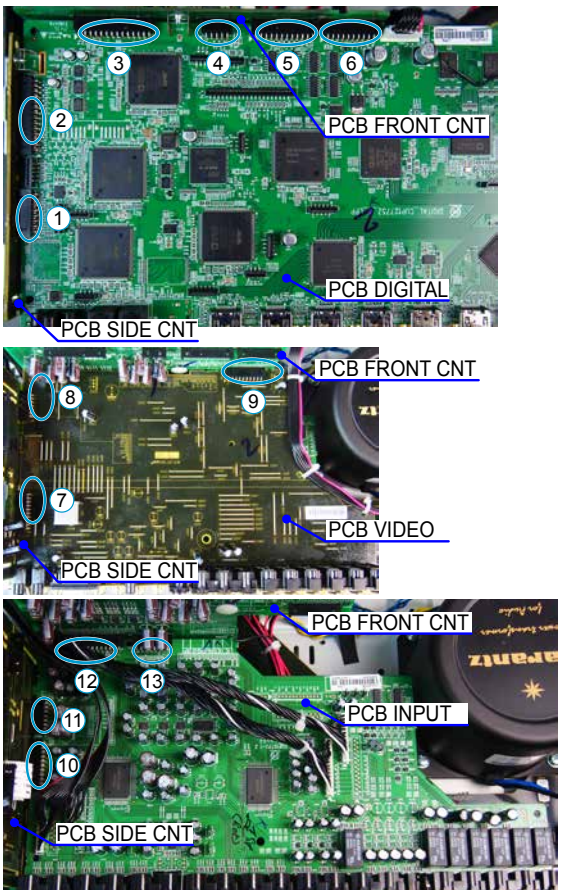


(3) Remove the DIGITAL PCB from the chassis and turn it over.
Place an insulation sheet larger than the PCB underneath the DIGITAL PCB.

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



(4) Connect the expansion cables.



コネクターボード接続表

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.

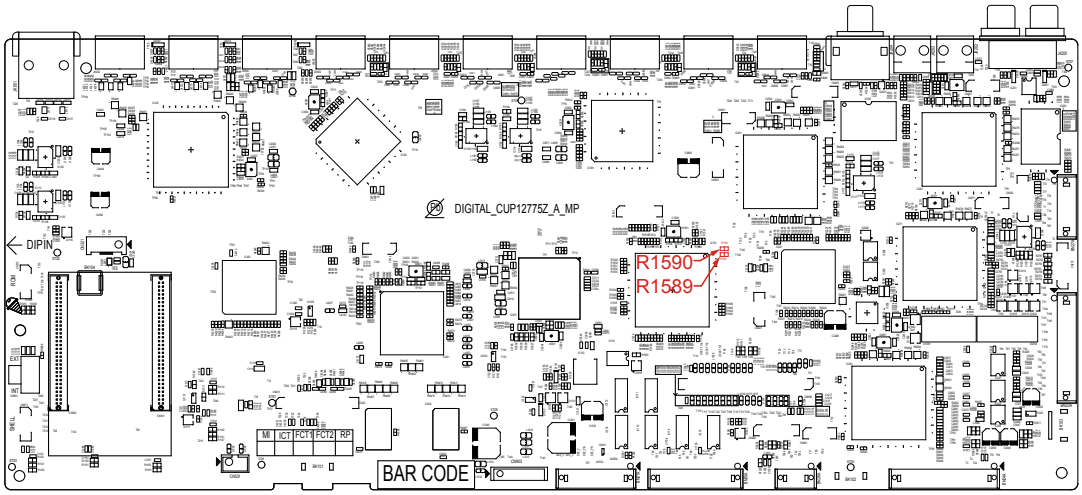
The procedure after replacing the printed circuit boards is as follows.

(1) Change the resistor for setting the region.

Model Name	Model Area	DIGITAL PCB	
		R1589	R1590
AV7702mkII	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

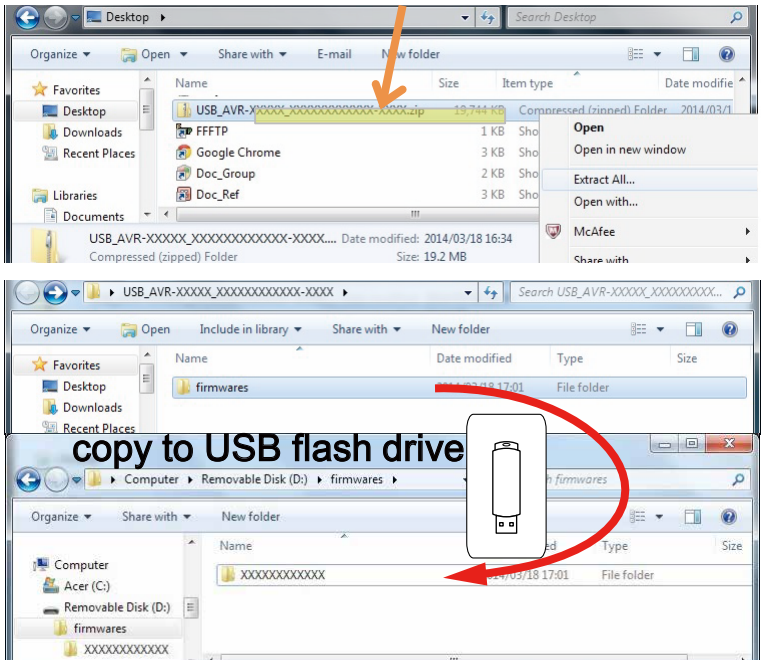
(1) Preparation

- 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.

AV7702MKII	**USB_AV7702MKII_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).

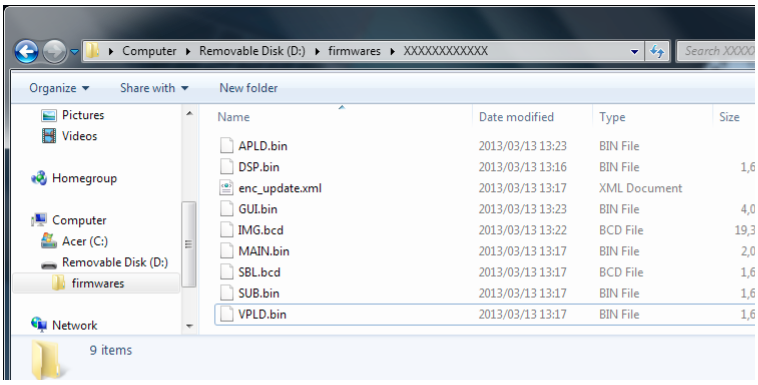
1.3. File structure on USB Memory

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

USB memory root

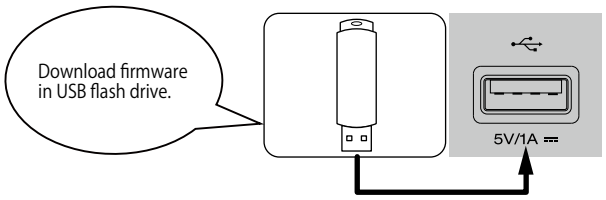
Model Name	Model Area	Product ID
AV7702mkII U	North America (U)	100100440100
AV7702mkII N	Europe (N)	100100440200

+ 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 "**HDMI OUT**" 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**	*	F	I	R	M	W	A	R	E						
	L2	U	S	B		U	p	d	a	t	e	:	S	t	a	r	t

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

Then start Firmware Update.

Display

FLD	**L1**	*	F	I	R	M	W	A	R	E						
	L2	U	p	d	a	t	e	F	i	l	e	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	F	i	r	m		U	p	d	a	t	e	▼			
	L2	U	p	d	a	t	i	n	g	C	o	m	p	l	e	t	e

---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 "**HDMI OUT**" 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	P	l	e	a	s	e		w	a	i	t	.	.	.	
	L2	U	p	d	a	t	e	F	i	l	e	C	h	e	c	k

(5) The firmware update finishes.

Display

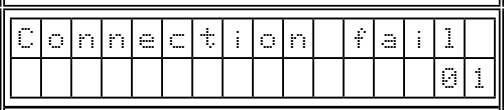
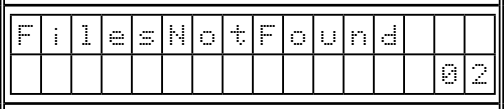
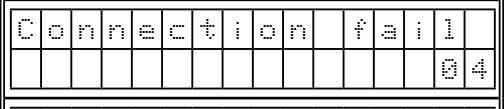
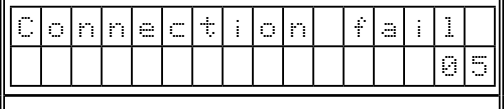
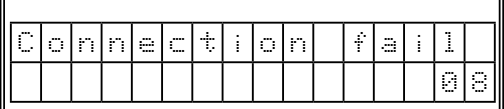
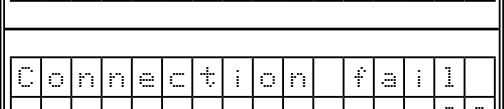
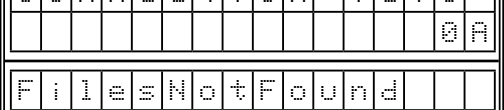
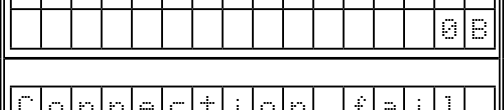
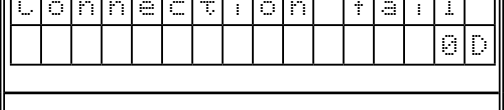
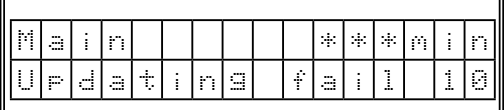
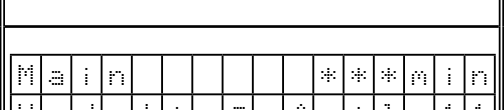
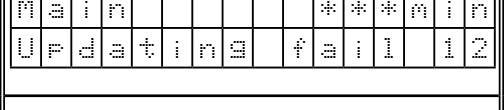
FLD																
	L1	F	i	r	m		U	p	d	a	t	e				
	L2	U	p	d	a	t	i	n	g	C	o	m	p	l	e	t	e

The unit restarts after the update is finished.

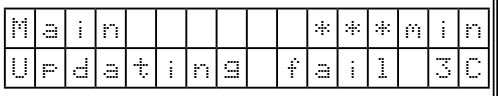
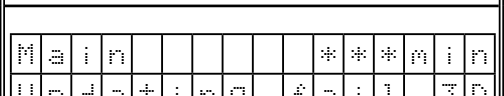
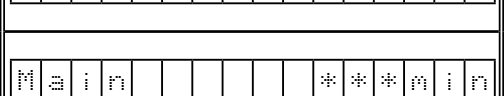
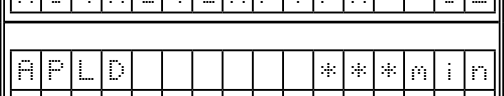
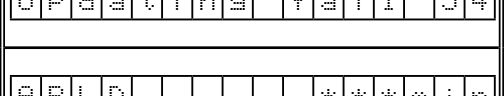
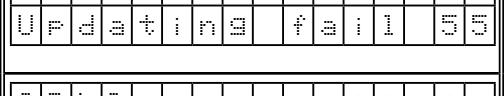
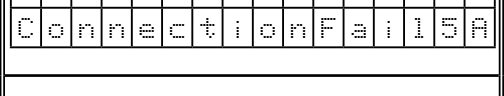
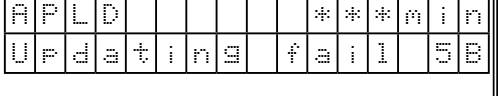
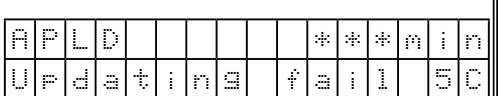
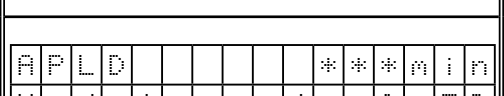
(6) After the update, check that "**CY920 Error**" is no longer displayed, and check the version of the new firmware.
See "**1. Version Display Mode**" (page 19).

1.11. About the error codes

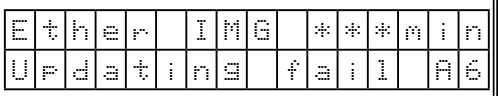
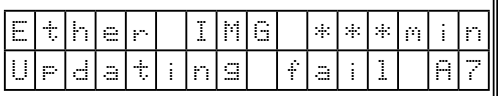
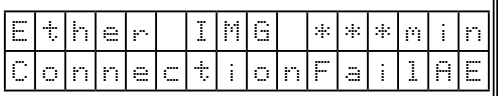
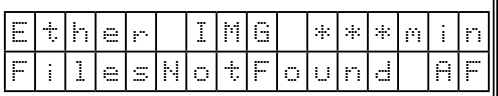
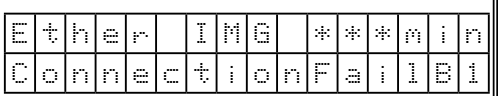
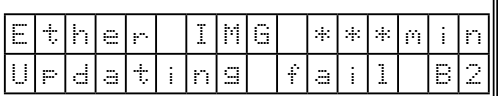
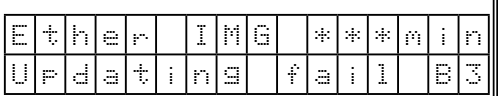
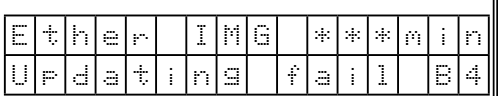
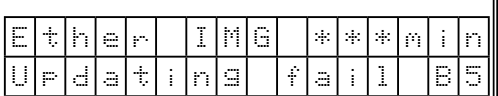
See the table below for error codes and details of faults when the firmware is updated through USB memory.

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 (PacketNoError).	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.
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.

Error Code	USB Update Error Display	Details of Error code	Remedies
15	Main ***min UpdateCheckNG 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	Main ***min Updating fail 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	Connection fail 20	Unable to detect USB after SBL Mode.	Disconnect and reconnect the USB memory.
21	FilesNotFound 21	No Firmware File in USB after SBL Mode.	Make sure that the Firmware File is in the USB memory.
22	NotMatchFirm 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	Connection fail 23	Failed to obtain the entire Firmware information after SBL Mode.	Start the USB Update again.
24	Connection fail 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	Connection fail 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	Download fail 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	Connection fail 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	Main ***min ConnectionFail36	Unable to detect USB.	Disconnect and reconnect the USB memory.
37	Main ***min FilesNotFound 37	No Firmware File in USB.	Make sure that the Firmware File is in the USB memory.
38	Main ***min NotMatchFirm 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.
39	Main ***min ConnectionFail39	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	Main ***min ConnectionFail3A	Unable to detect USB for Firmware Download.	Disconnect and reconnect the USB memory.
3B	Main ***min FilesNotFound 3B	No Firmware File for Firmware Download.	Make sure that the Firmware File is in the USB memory.

Error Code	USB Update Error Display	Details of Error code	Remedies
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.
5B		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		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		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		Abnormal data in Update Packet received from CY920 (PacketNoError).	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
5F	APLD ***min Updating fail 5F	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 ***min Updating fail 60	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 ***min UpdateCheckNG 61	Mismatched Check Sum in response 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 ***min Updating fail 63	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 ***min Updating fail 64	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 ***min Updating fail 80	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 ***min Updating fail 81	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 ***min Updating fail 82	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 ***min Updating fail 83	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 ***min Updating fail 84	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.
85	GUI ***min Updating fail 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	GUI ***min Updating fail 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	Ether IMG ***min ConnectionFail 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	Ether IMG ***min FilesNotFound 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.

Error Code	USB Update Error Display	Details of Error code	Remedies
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.
B5		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 ***min L2: Updating ***%	10 - 16 36 - 3D 3F
Audio PLD	L1: APLD ***min L2: Updating ***%	50 - 52 54 - 57 5A - 64
VIDEO PLD	L1: VPLD ***min L2: Updating ***%	50 - 52 54 - 57 5A - 64
DSP	L1: DSP1 ***min L2: Updating ***% L1: DSP2 ***min L1: DSP3 ***min L1: DSP4 ***min	50 - 52 54 - 57 5A - 64
GUI Serial Flash	L1: GUI ***min L2: Updating ***%	50 - 52 54 - 57 5A 62 - 64 80 - 86
CY920 second Boot Loader	L1: Ether SBL ***min L2: Updating ***%	A2 - A4 A6 - A7 AE - AF B1 - B5
CY920 Image	L1: Ether IMG ***min L2: Updating ***%	A2 - A4 A6 - A7 AE - AF B1 - B5
CY920 Image (Emergency Mode)	L1: Please wait... L2: Update 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

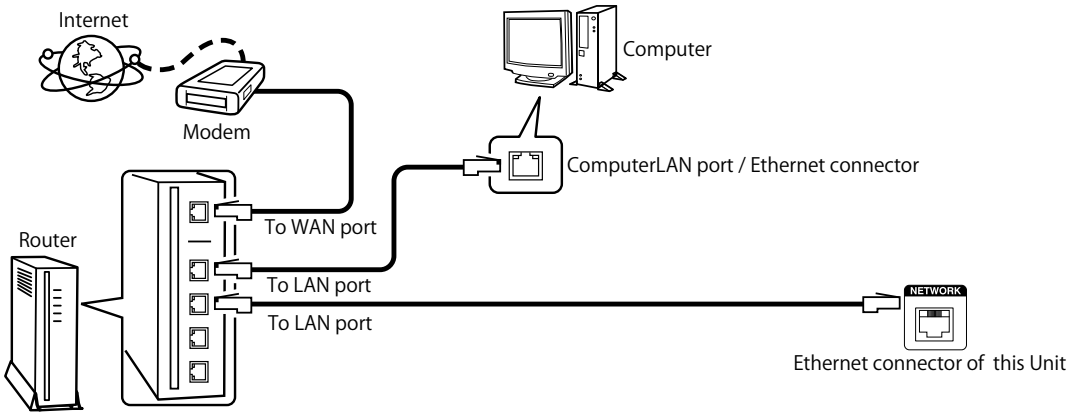
Download the latest firmware from our website and update the firmware.

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.

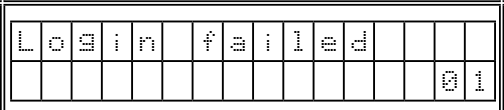
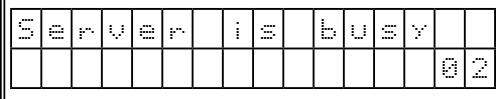
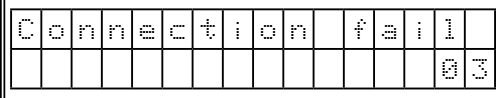
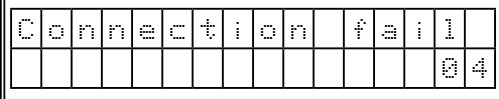
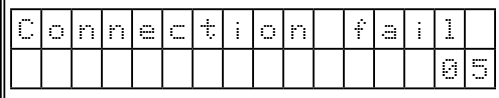
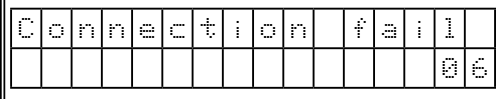
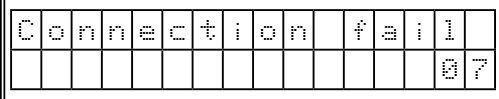
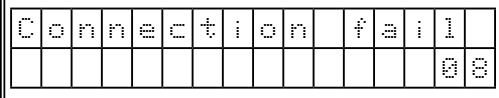
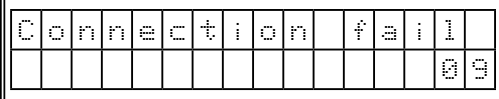
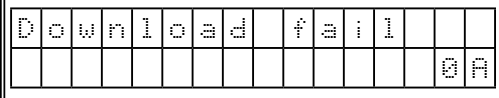
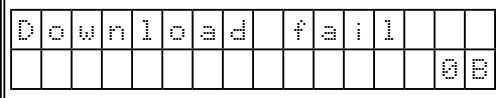
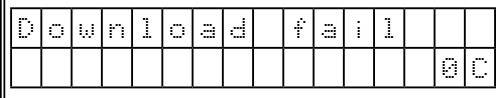
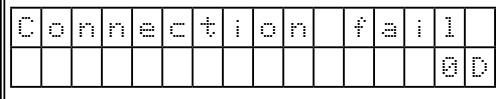
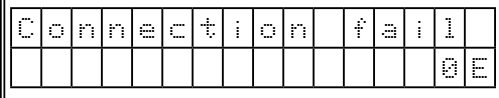
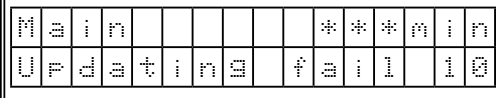
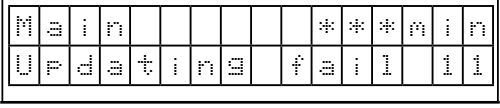
---Cautions on Firmware Update---

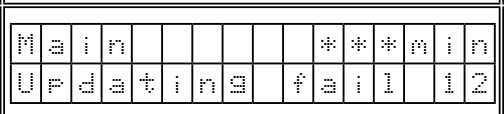
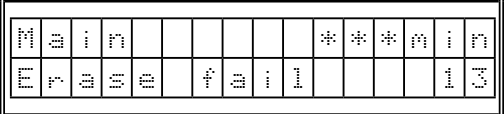
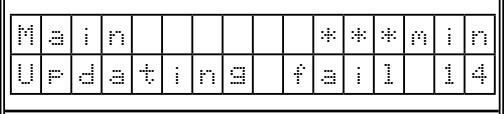
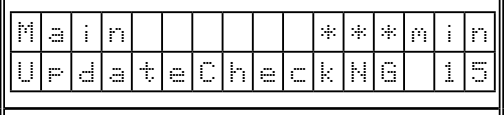
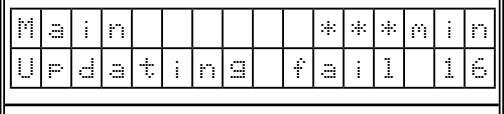
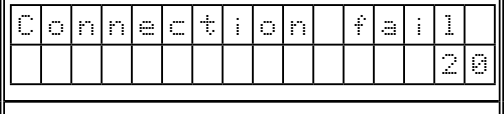
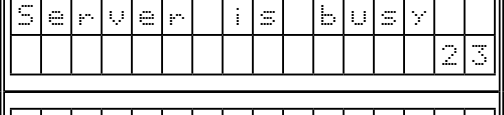
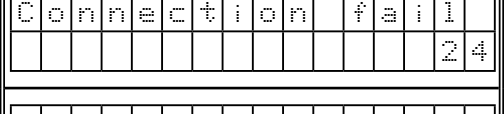
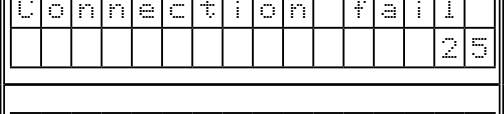
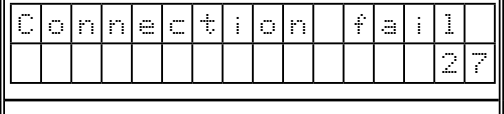
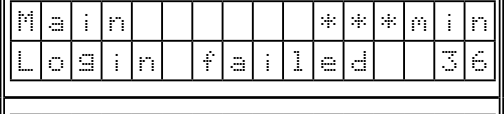
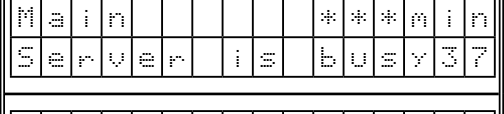
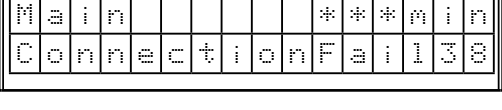
- For the update procedure, a proper broadband Internet connection environment and settings are required.
- Do not turn off the power until updating is completed.

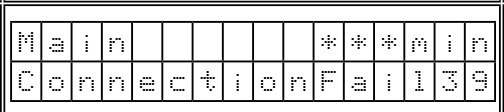
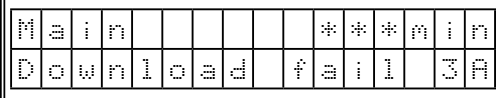
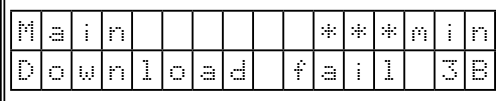
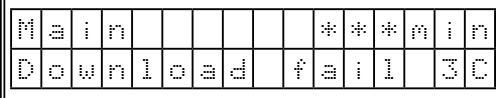
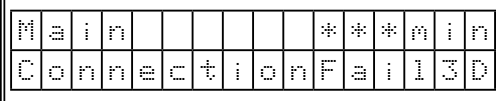
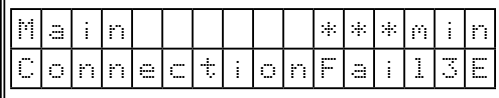
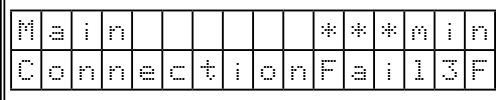
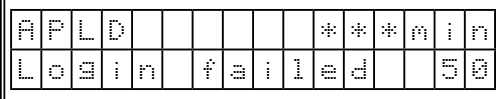
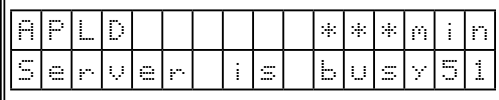
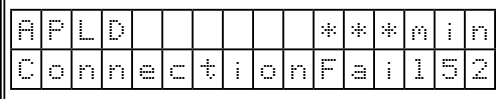
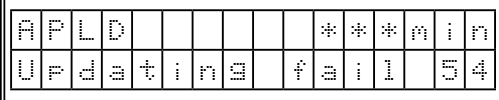
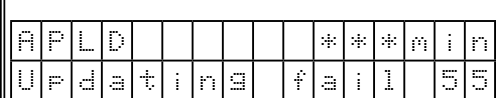
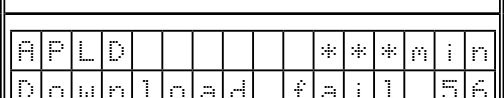
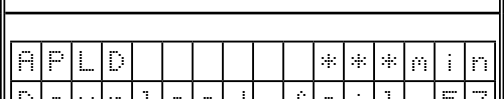
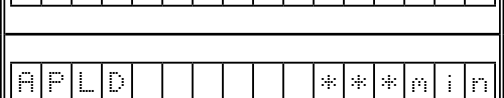
• It takes around 1 hour to complete the update.
Once an update is started, normal operations cannot be performed until it is completed.
The GUI menu settings and image adjustment settings of this unit may be initialized.
Note down the settings before updating, and set them again after updating.

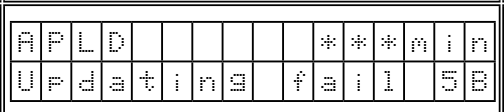
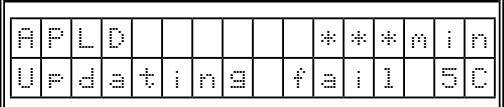
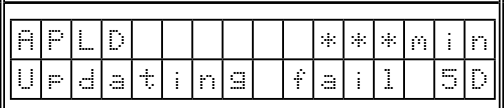
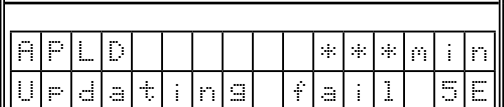
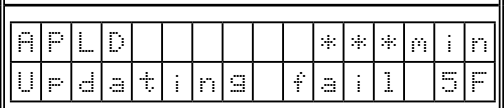
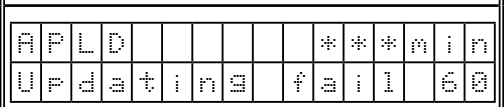
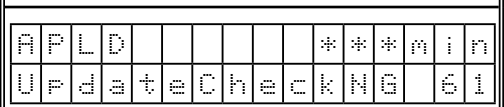
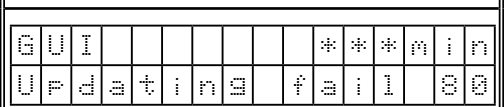
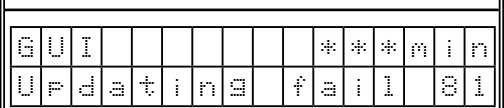
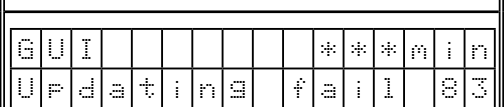
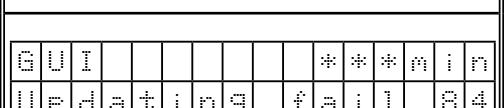
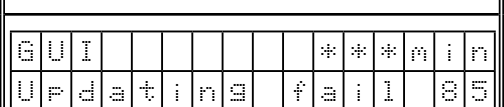
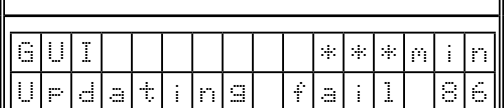
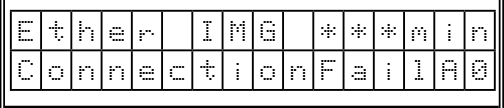
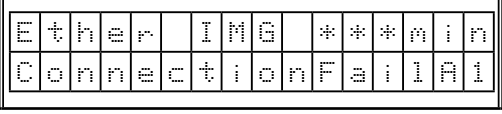
2.3. About the error codes

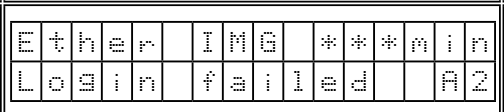
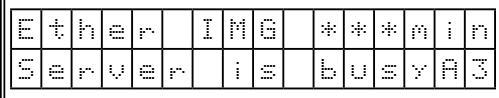
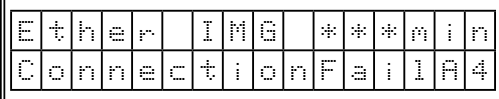
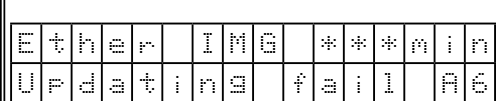
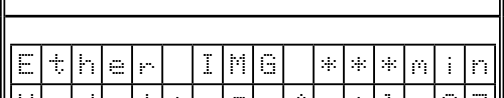
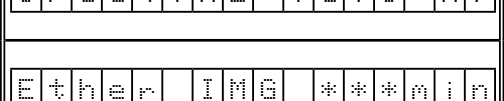
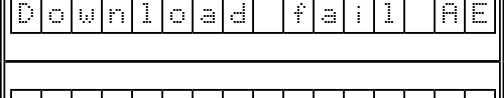
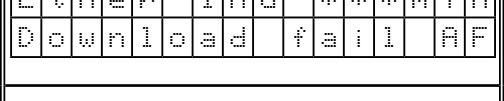
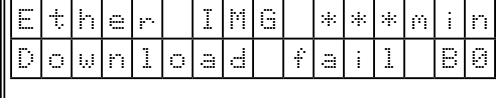
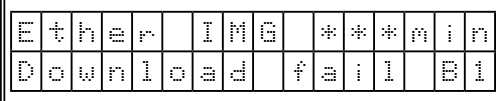
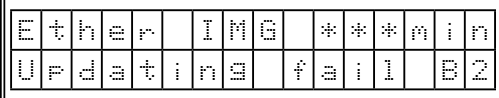
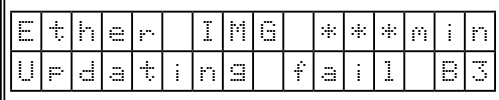
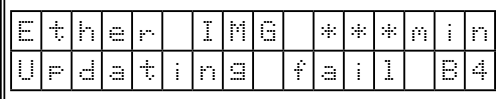
See the following table for details on the error code display, details of the error code, remedies when updating the firmware via DPMS. (DPMS : D&M Product Management Server)

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.
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.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
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.
36		DPMS login incorrect notification.	Carry out the update in an environment that has little network load.
37		DPMS congestion notification.	Carry out the update in an environment that has little network load.
38		DPMS connection failure notification.	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
39		DPMS connection Time Out Error.	Check the network connection. Carry out the update in an environment that has little network load.
3A		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		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		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		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		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		Failed to transit to SBL Mode.	Check the network connection. Carry out the update in an environment that has little network load.
50		DPMS login incorrect notification.	Carry out the update in an environment that has little network load.
51		DPMS congestion notification.	Carry out the update in an environment that has little network load.
52		DPMS connection failure notification.	Check the network connection. Carry out the update in an environment that has little network load.
54		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		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.
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.

Error Code	DPMS Update Error Display	Details of Error code	Remedies
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.
84		Abnormal data in Update Packet received from CY920 (PacketNo-Error).	Turn off and on the power. Updating starts automatically.
85		Setup failure of the XModem transfer method.	Turn off and on the power. Updating starts automatically.
86		Mismatched Check Sum in Check Sum comparison after rewriting.	Turn off and on the power. Updating starts automatically.
A0		IP Address acquisition failure (AutoIP).	Check the network connection. Carry out the update in an environment that has little network load.
A1		IP Address acquisition failure (Time Out).	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
A2		DPMS login incorrect notification.	Check the network connection. Carry out the update in an environment that has little network load.
A3		DPMS congestion notification.	Check the network connection. Carry out the update in an environment that has little network load.
A4		DPMS connection failure notification.	Check the network connection. Carry out the update in an environment that has little network load.
A6		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		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		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		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		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		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		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.
B3		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		Failed to transit to Boot Loader Mode.	Initialize the unit and try updating again.
B5		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 ***min L2 Updating ***%	10 - 16 36 - 3F
Audio PLD	L1 APLD ***min L2 Updating ***%	50 - 52 54 - 58 5A - 62
VIDEO PLD	L1 VPLD ***min L2 Updating ***%	50 - 52 54 - 58 5A - 62
DSP	L1 DSP1 ***min L2 Updating ***% L1 DSP2 ***min L1 DSP3 ***min L1 DSP4 ***min	50 - 52 54 - 58 5A - 62
GUI Serial Flash	L1 GUI ***min L2 Updating ***%	50 - 52 54 - 58 5A 62 80 - 86
CY920 second Boot Loader	L1 Ether SBL ***min L2 Updating ***%	A0 - A4 A6 - A7 AE - B5
CY920 Image	L1 Ether IMG ***min L2 Updating ***%	A0 - A4 A6 - A7 AE - B5
CY920 Image (Emergency Mode)	L1 Please wait... L2 Update retry	–

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

After updating the firmware, check the version.

See "**1. Version Display Mode**" (page 19).

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.”.

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	Surround Height L/R	Top Surround	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”.
∗5 Audio is output from the speakers specified in the “Surround Parameter” – “Speaker Select” settings.
∗6 Audio is output from the speakers specified in the “Audyssey DSX®” settings.
∗7 Audio is output when “Subwoofer Mode” in the menu is set to “LFE+Main”.

Upgrade (Auro-3D)

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	Surround Height L/R	Top Surround	Front Dolby Atmos Enabled L/R	Surround Dolby Atmos Enabled L/R	Back Dolby Atmos Enabled L/R	Subwoofer
Auro-3D	○	◎	◎			◎				◎∗8	◎	◎∗9				◎
Auro-2D Surround	○	◎	◎	◎												◎

∗8 You can use the Rear Height speakers instead of Surround Height speakers for Auro-3D playback. For best Auro-3D experience, using Surround Height speakers is recommended.
∗9 This is output if an Auro-3D signal is input and the input signal contains Top Surround.

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	Center Spread
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”

Sound mode	Surround Parameter			Tone ∗7	Audyssey					M-DAX ∗10
	DTS Neural:X	Auro-Matic 3D Preset	Auro-Matic 3D Strength		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”

Upgrade (Auro-3D)

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	Center Spread
Auro-3D		○	○				○		
Auro-2D Surround		○	○				○		

Sound mode	Surround Parameter			Tone ∗7	Audyssey					M-DAX ∗10
	DTS Neural:X	Auro-Matic 3D Preset	Auro-Matic 3D Strength		MultEQ® XT32 ∗8	Dynamic EQ ∗9	Dynamic Volume ∗9	Audyssey LFC™ ∗9	Audyssey DSX®	
Auro-3D		○∗11	○∗11	○	○	○	○	○		○
Auro-2D Surround				○	○	○	○	○		○

∗1 - ∗4, ∗7 - ∗11 : “Sound modes and surround parameters”

∗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”.
∗7 This item cannot be set when “Dynamic EQ” is set to “On”.
∗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”.
∗10 This item can be set when the input signal is analog, PCM 48 kHz or 44.1 kHz.
∗11 This can be set if the input signal does not contain an Auro-3D signal or if the input Auro-3D signal does not contain Front Height channels.

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)	Auro-3D
DTS Surround																		
DTS:X MSTR / DTS:X							●											
DTS-HD MSTR								●∗3										○∗12
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	○				○∗13
Dolby Digital+													○∗7		○			
Dolby (D+) (HD) + Dolby Surround														●	●	●		○∗13
Dolby Digital																○		
Dolby Surround		○	●		○													

*1 – *7, *12, *13 : “Types of input signals, and corresponding sound modes”

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)	Auro-3D
Multi Ch In																		
Multi Ch In						●											●	○∗14
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, *14 : “Types of input signals, and corresponding sound modes”

Upgrade (Auro-3D)

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)	Auro-3D
Auro-3D																		
Auro-3D	∗11	○	○	○	○	○	○	○	○	○	○	○	○∗6∗7	○	○	○	○	○
Auro-2D Surround	∗11	○	○	○	○	○	○	○	○	○	○	○	○∗6∗7	○	○	○	○	○

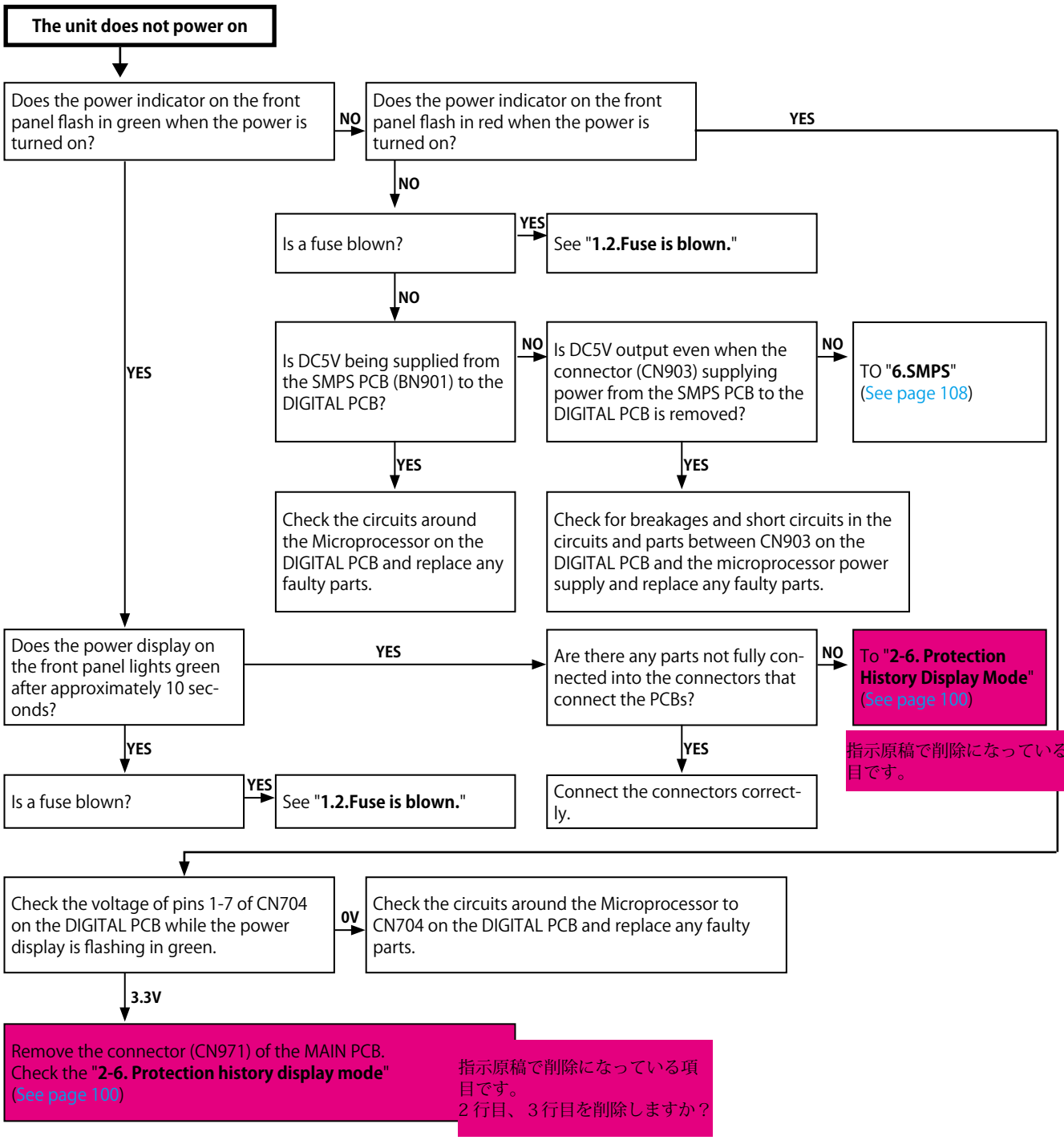
*6, *7, *11 : “Types of input signals, and corresponding sound modes”

∗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.
∗11 This item cannot be selected if the sampling frequency of the input signal is 32 kHz.
∗12 This item can be selected if the Auro-3D signal contains DTS-HD Master Audio.
∗13 This item can be selected if the Auro-3D signal contains Dolby TrueHD.
∗14 This item can be selected if the Auro-3D signal contains Multi Channel PCM.

TROUBLE SHOOTING

1. POWER

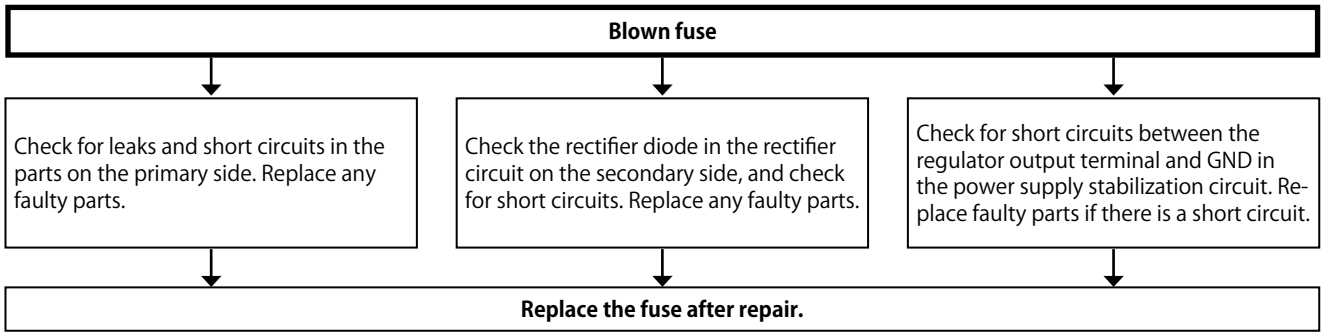
1.1. The unit does not power on



指示原稿で削除になっている項目です。

指示原稿で削除になっている項目です。
2行目、3行目を削除しますか？

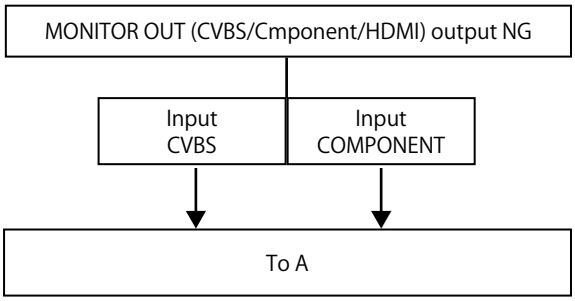
1.2. Fuse is blown

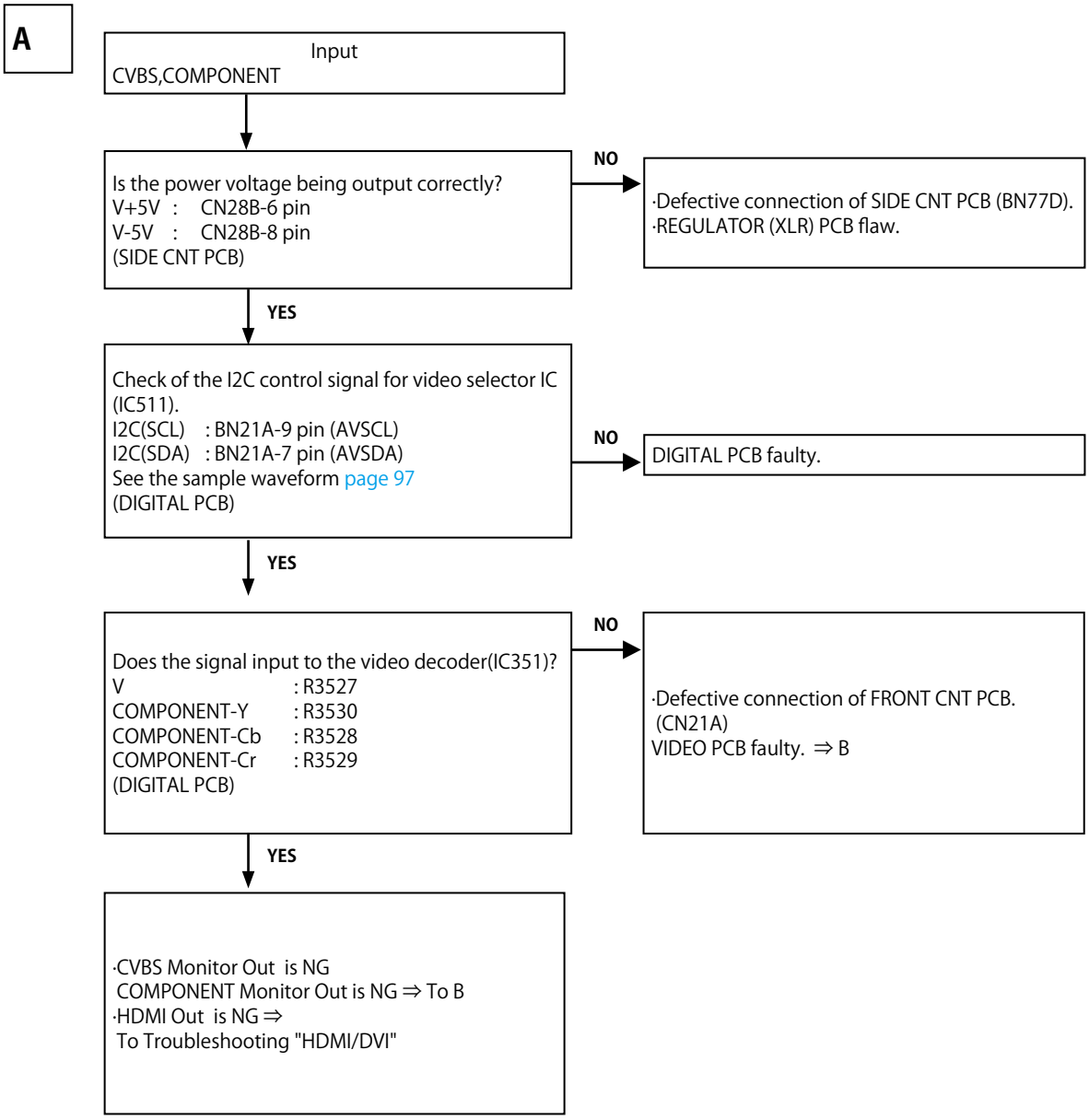


2. Analog video

Perform the operation below beforehand.

※ Check it whether connection cable and Monitor are normal.
※ VIDEO Convert is set to ON.
※ Setting as follows.
V : SAT
COMPONENT : SAT





B

VIDEO PCB faulty.

↓

Extend the DIGITAL PCB using the jig.

↓ **YES**

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

NO → Power supply IC (IC513) flaw.
SIDE CNT PCB(BN28B) flaw.
Video selector IC (IC511) faulty.

↓ **YES**

Check the signal input to video selector IC. (IC511)
V : C5107
OMPONENT-Y : J5010
COMPONENT-Cb : J5007
COMPONENT-Cr : J5006
(VIDEO PCB)

NO → The circuit between IC511 are faulty.

↓ **YES**

Check the signal output from video selector IC. (IC511)

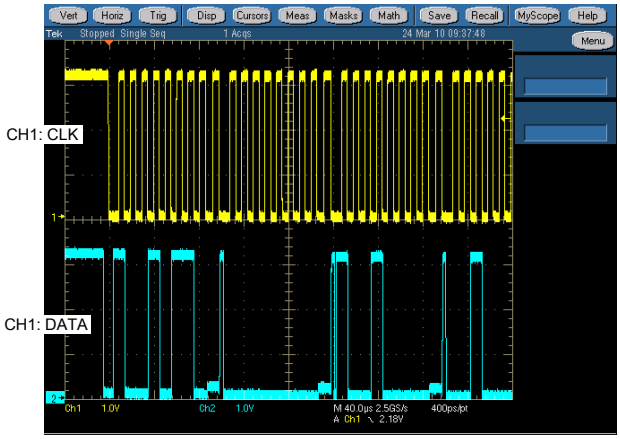
(VIDEO PCB)	to MONITOR	to DIGITAL PCB
V	: J5019	BN21B-17pin
OMPONENT-Y	: J5021	BN21B-15pin
COMPONENT-Cb	: J5028	BN21B-13pin
COMPONENT-Cr	: J5029	BN21B-11pin

NO → Defective the soldering IC (IC511) or IC (IC511) flaw.

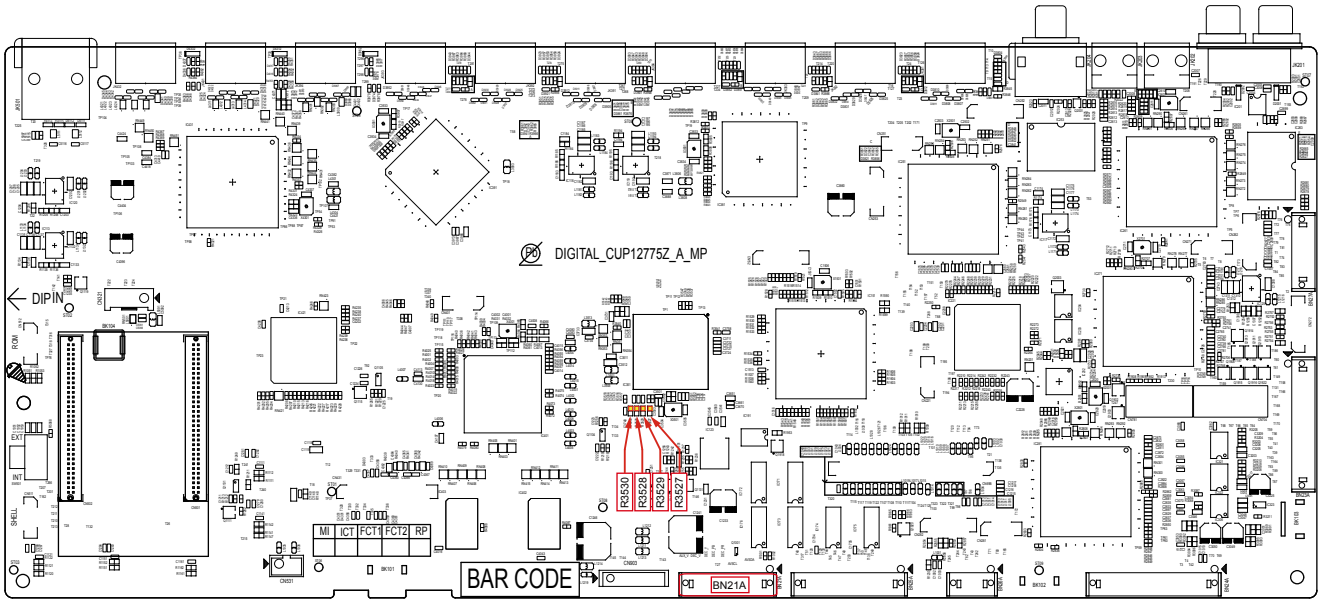
↓ **YES**

MONITOR OUT
Output terminal (JK511 or JK513) or pattern flaw.
HDMI OUT
Defective connection of FRONT CNT PCB (BN21B) or FRONT CNT PCB pattern flaw.

I2C communication wave form

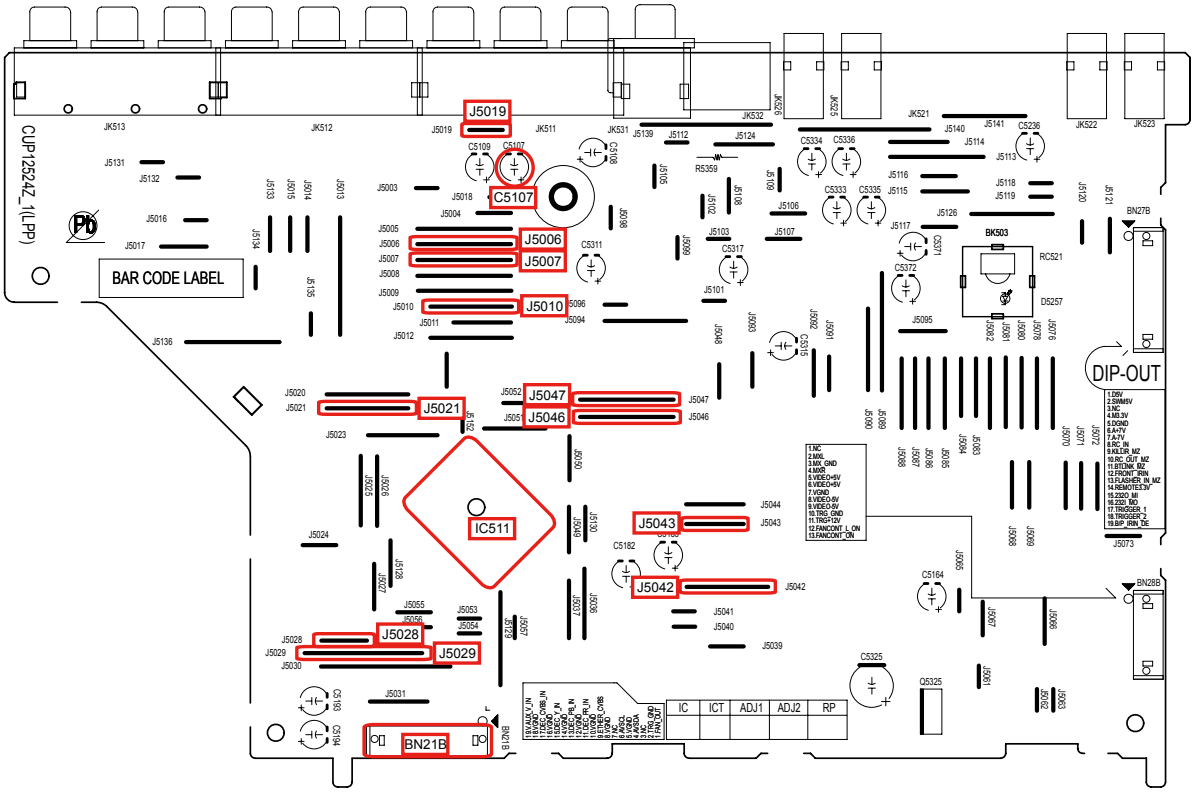


DIGITAL test point



(A SIDE)

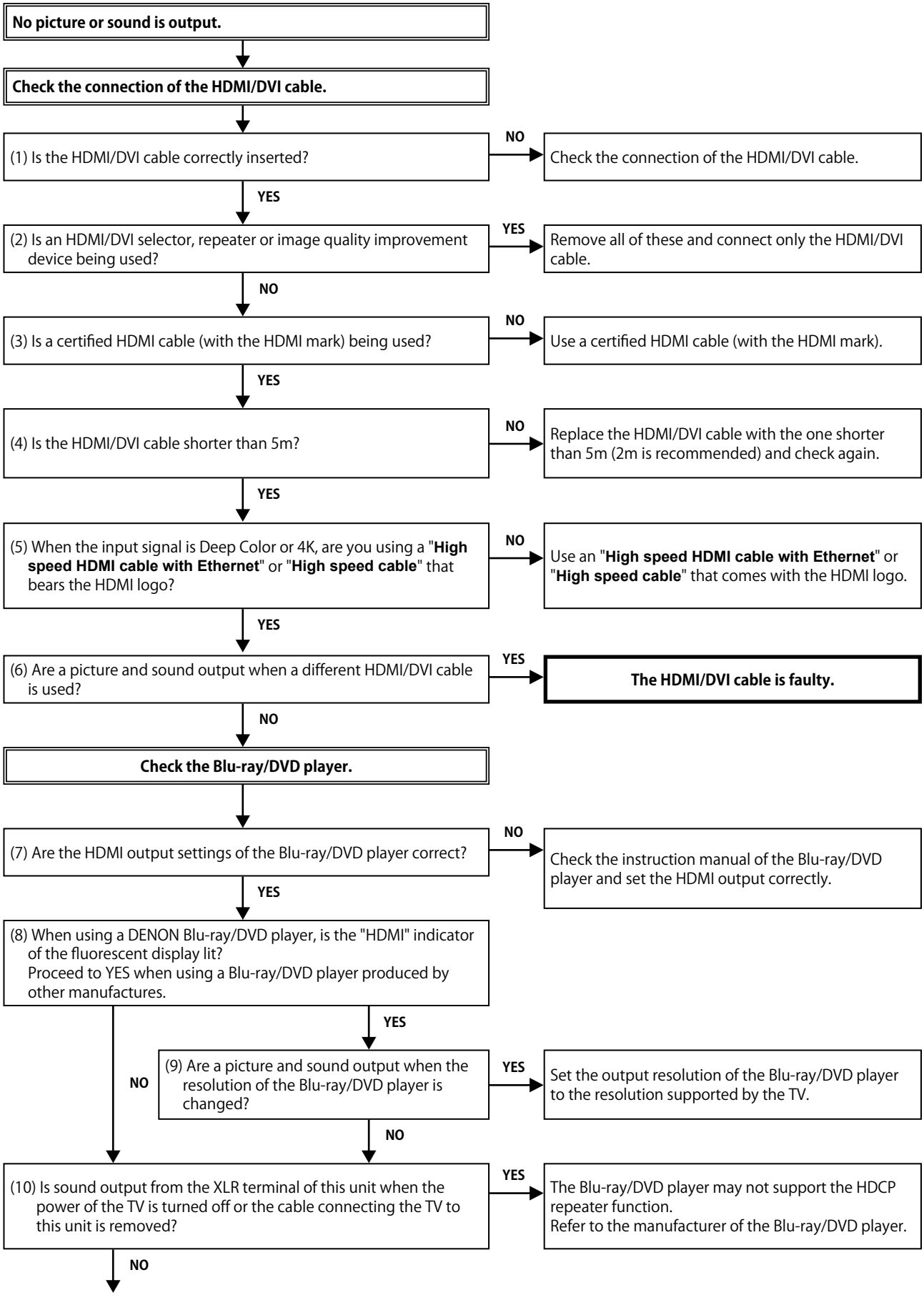
VIDEO test point

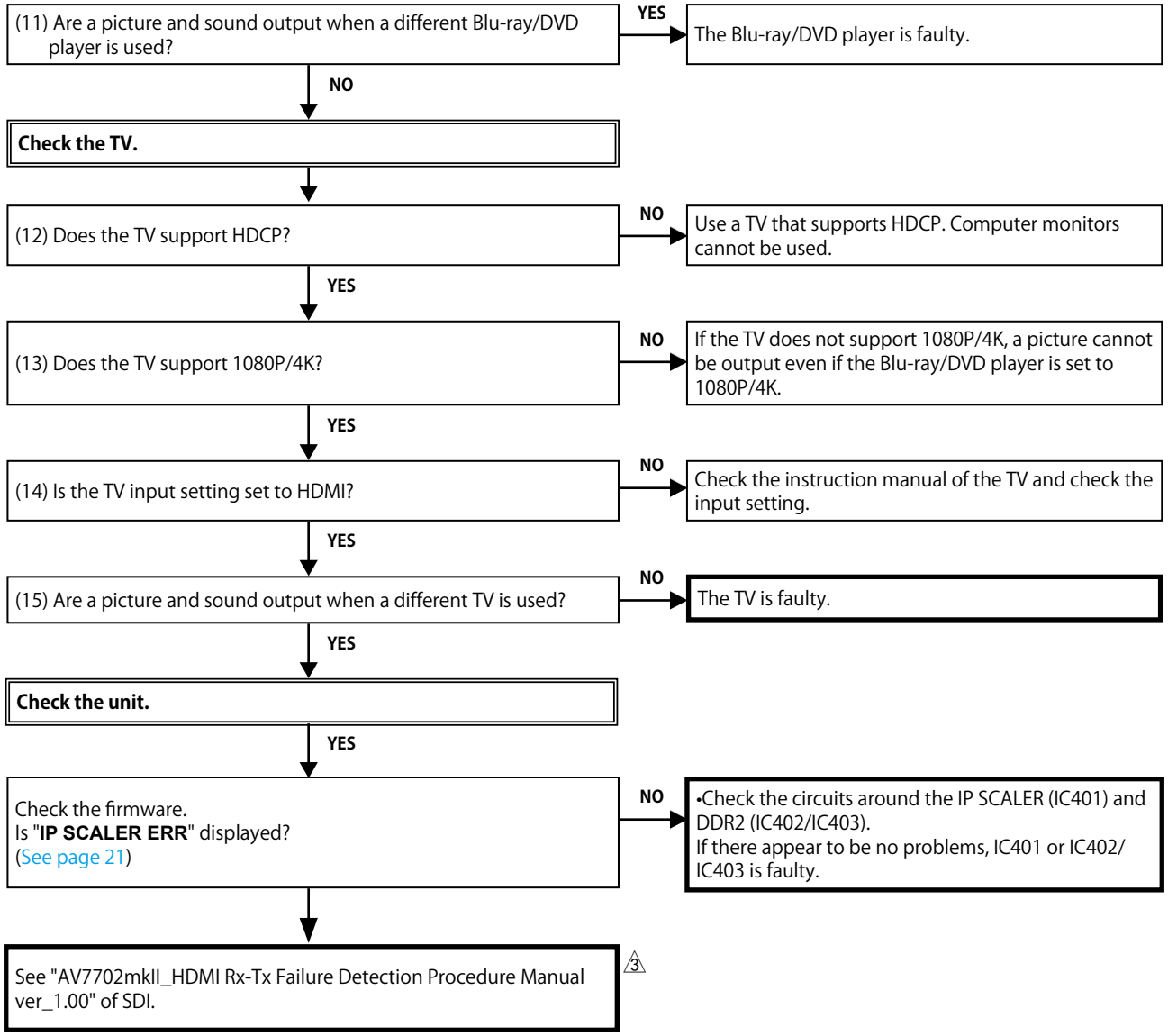


(A SIDE)

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 "AV7702mkII_HDMI Rx-Tx Failure Detection Procedure Manual ver_1.00" of SDI.
3

4. AUDIO

4.1. AUDIO CHECK

No audio output

See "Audio Check PATH" (page 110).

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

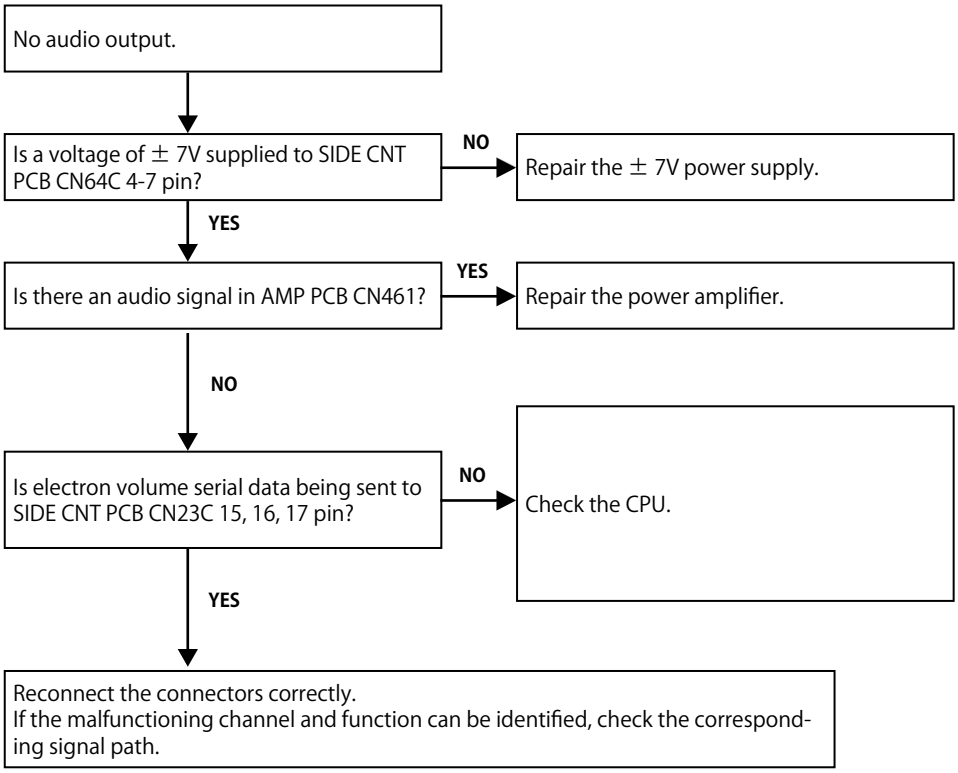
NO

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

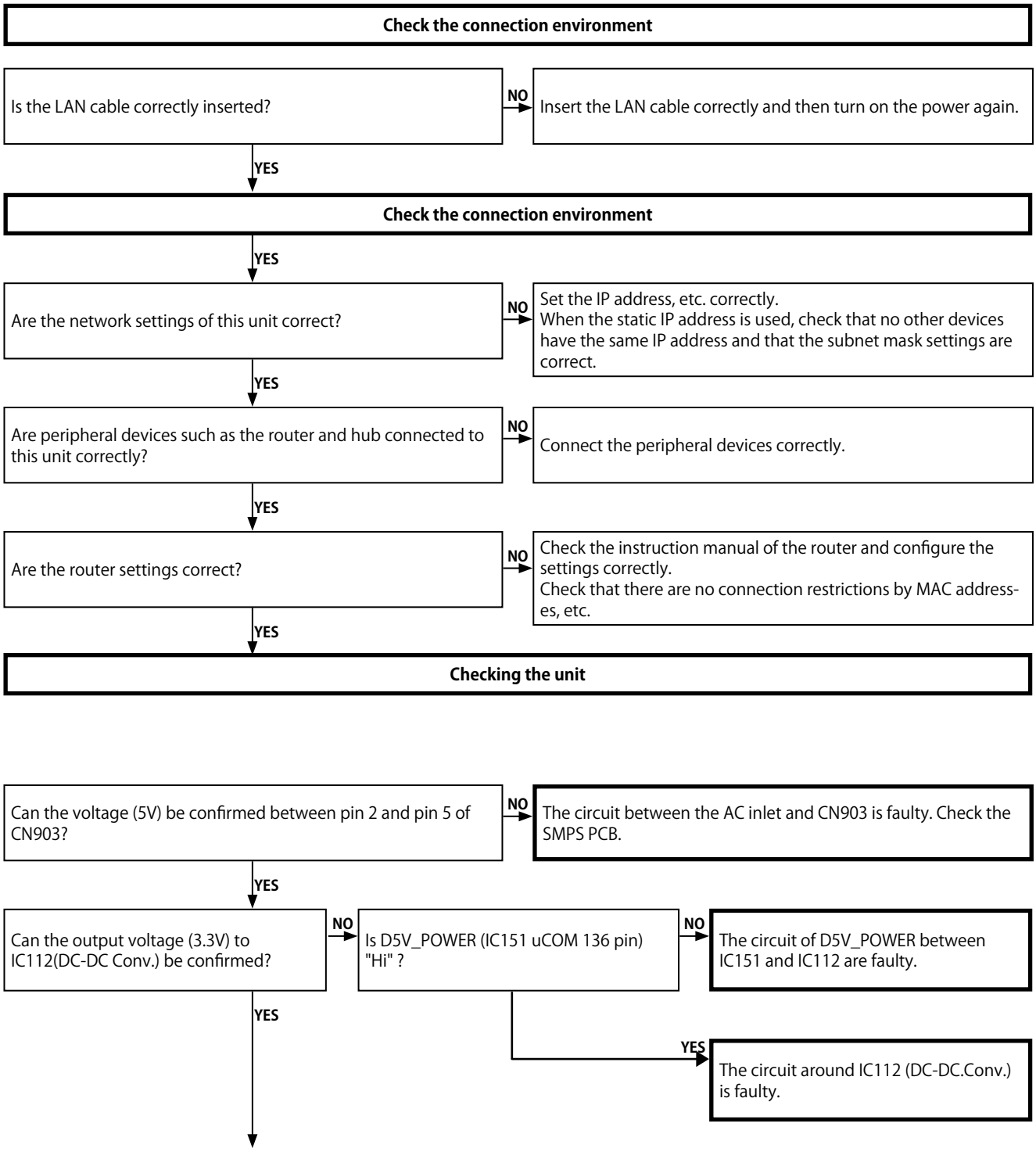
NO → Check the HDMI BLOCK

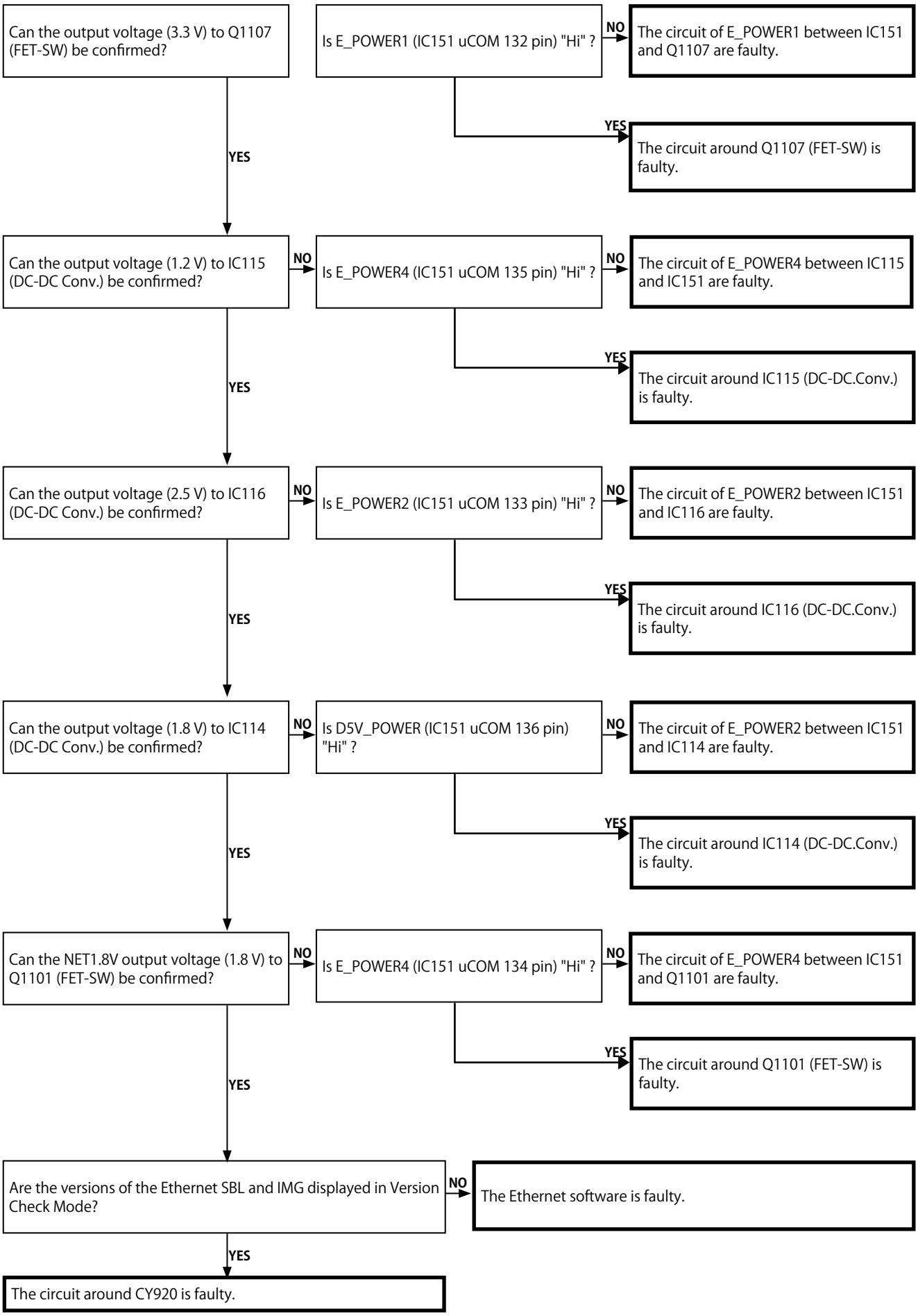
4.2. Analog audio



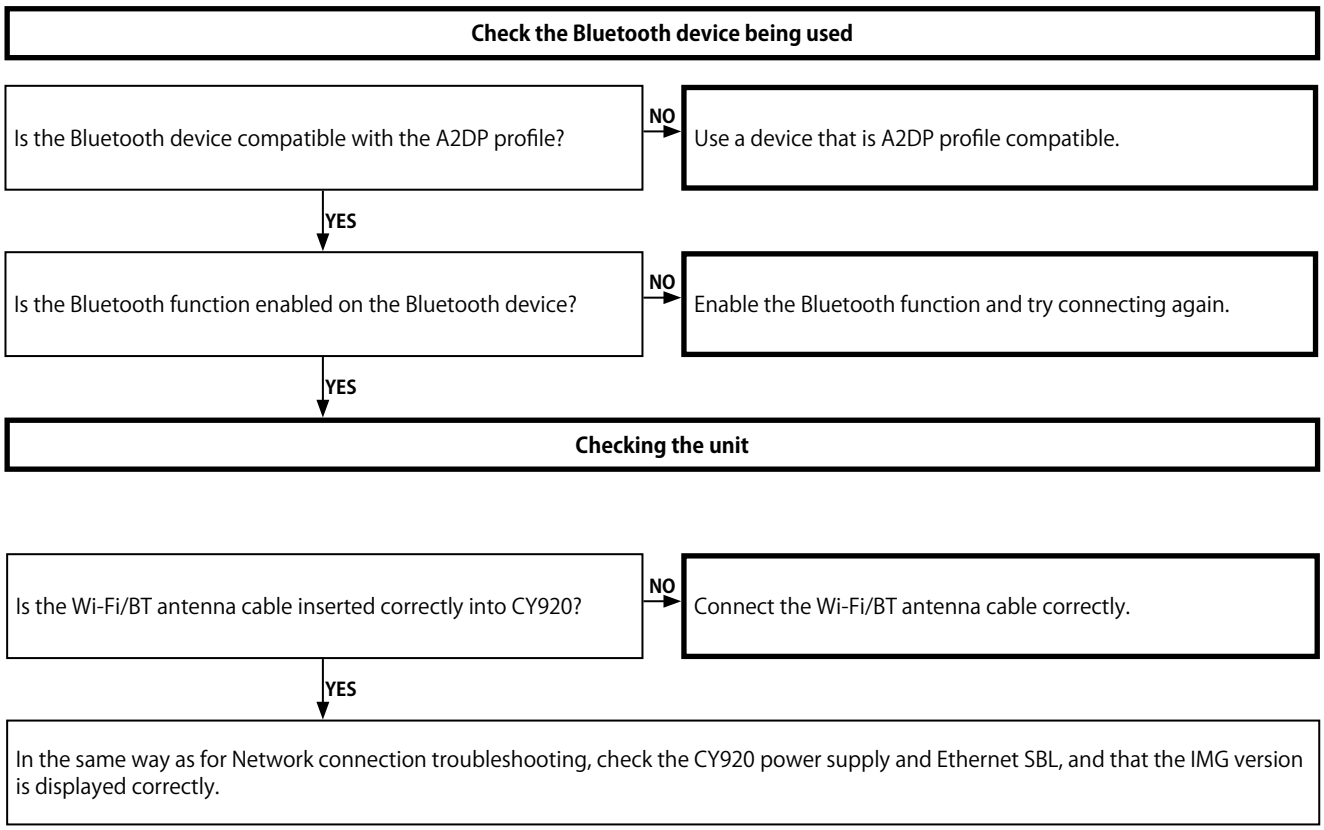
5. Network/Bluetooth/USB

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

Check the USB device being used

Is a USB hub being used?

YES → Do not use a USB hub.

NO ↓

Is the USB device supported by this unit?

NO → This unit supports devices in the FAT16- and FAT32-formatted mass storage class, MTP-compatible devices and iPod devices (except for some models).

YES ↓

Checking the unit

Are CN321 of the DIGITAL PCB and BN321 of the USB PCB correctly connected?

NO → Connect the connectors correctly.

YES ↓

Can a voltage (5V) be confirmed between pin 1 and pin 4 of JK604 (USB Connector) on USB PCB?

NO → The circuit around IC503 of the DIGITAL PCB is faulty.

YES ↓

The USB signal circuit between CY920 and JK604 of the USB PCB are faulty.

5.4. No picture or sound is output

Checking the unit (If no picture is output)

Are digital video signals(920PCK, 920VD0 - 920VD7) output from CY920 to IC421 (V.PLD)?

NO → The circuit around CY920, IC421 (V.PLD) is faulty.

YES ↓

Check the VIDEO circuit.

Checking the unit:(If no sound is output)

Are the I2S signal output to pins 26, 28, 30 and 34 of the CN501 DIGITAL PCB ?
(The 30, 32, 34pin in the case of DSD)

NO → The circuit around CY920 is faulty.

YES ↓

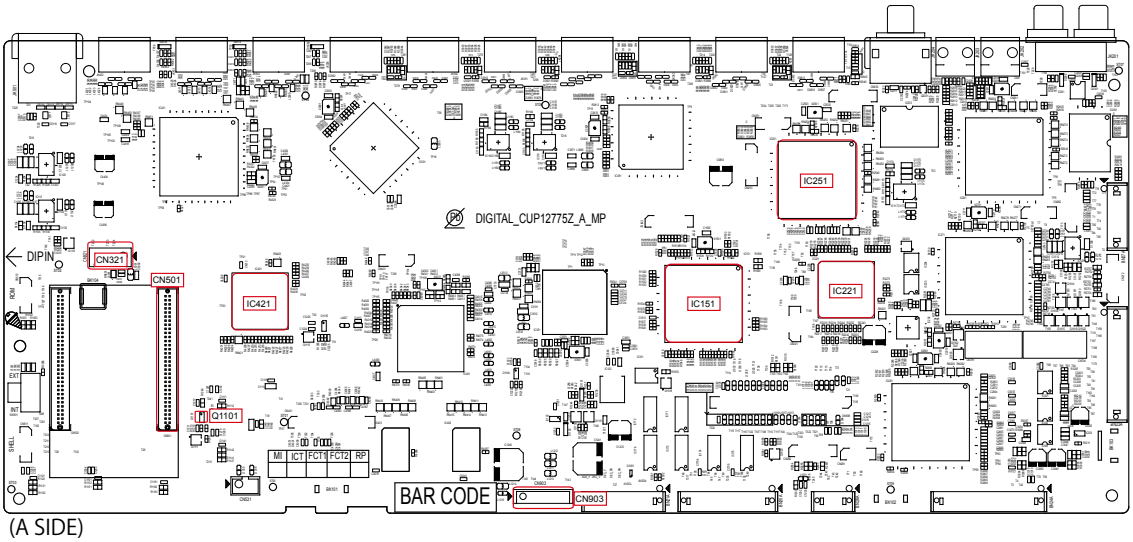
Are audio signal output to pin 85 of IC221 (A.PLD) on DIGITAL PCB.

NO → The circuit around IC221 (A.PLD) is faulty.

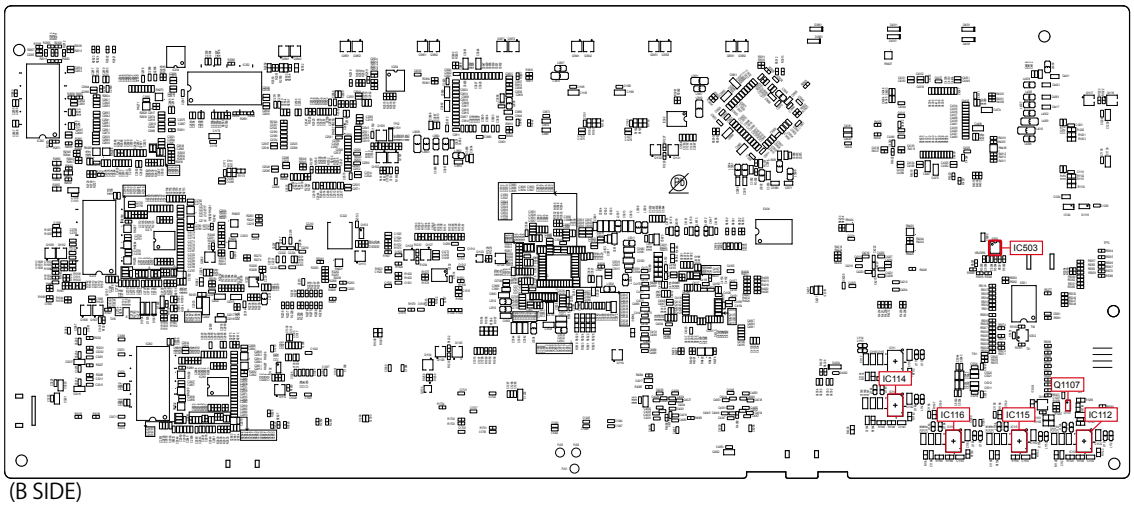
YES ↓

Check the IC251 (DSP) AUDIO circuit and the circuits thereafter.

DIGITAL TEST POINT

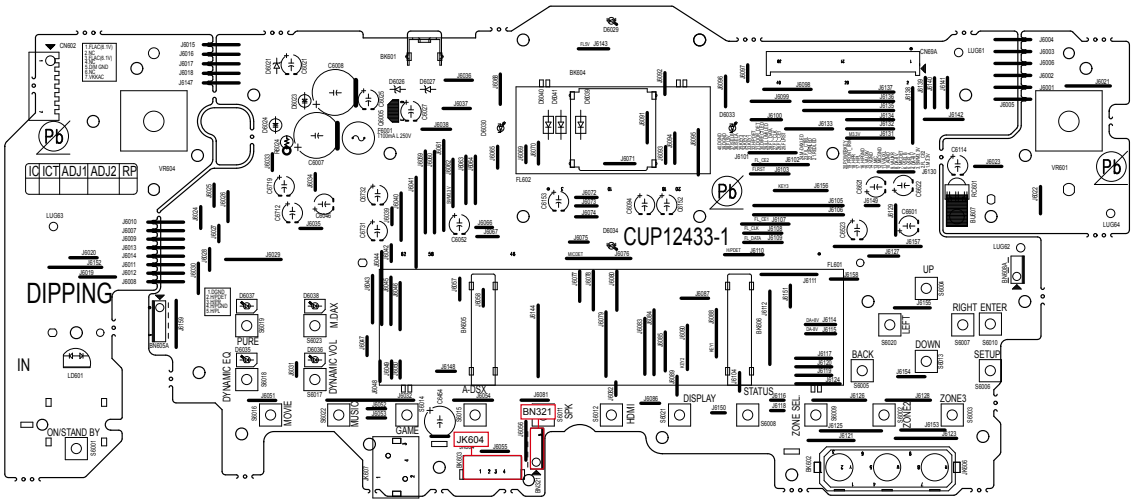


(A SIDE)



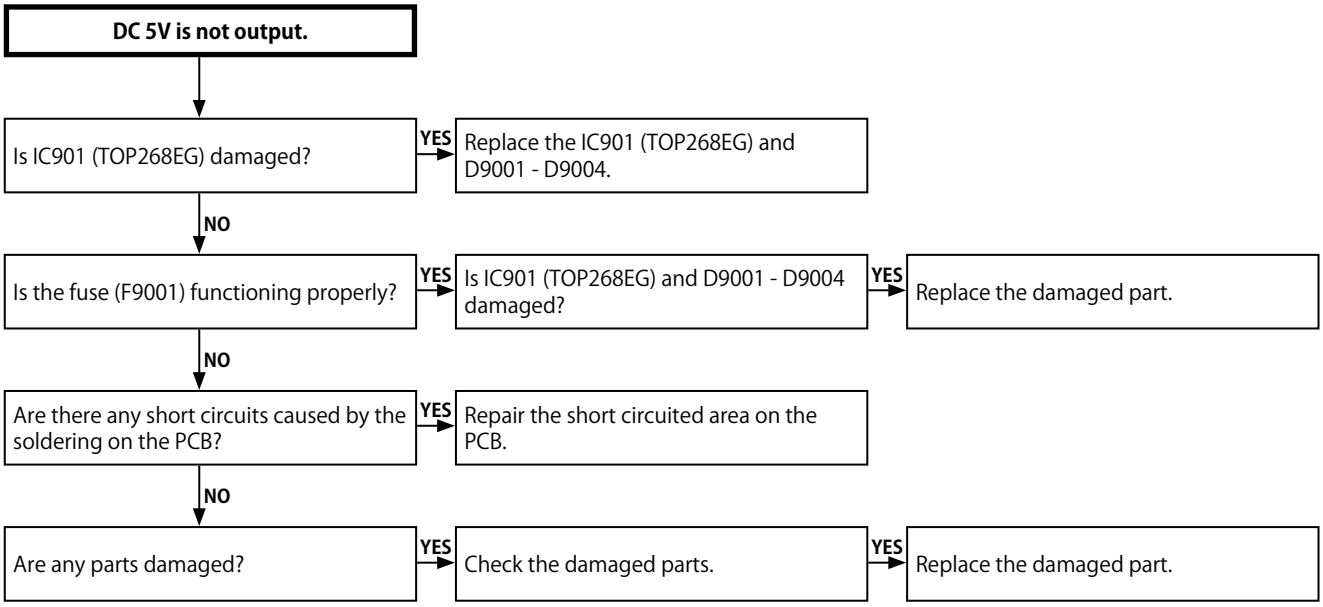
(B SIDE)

USB TEST POINT

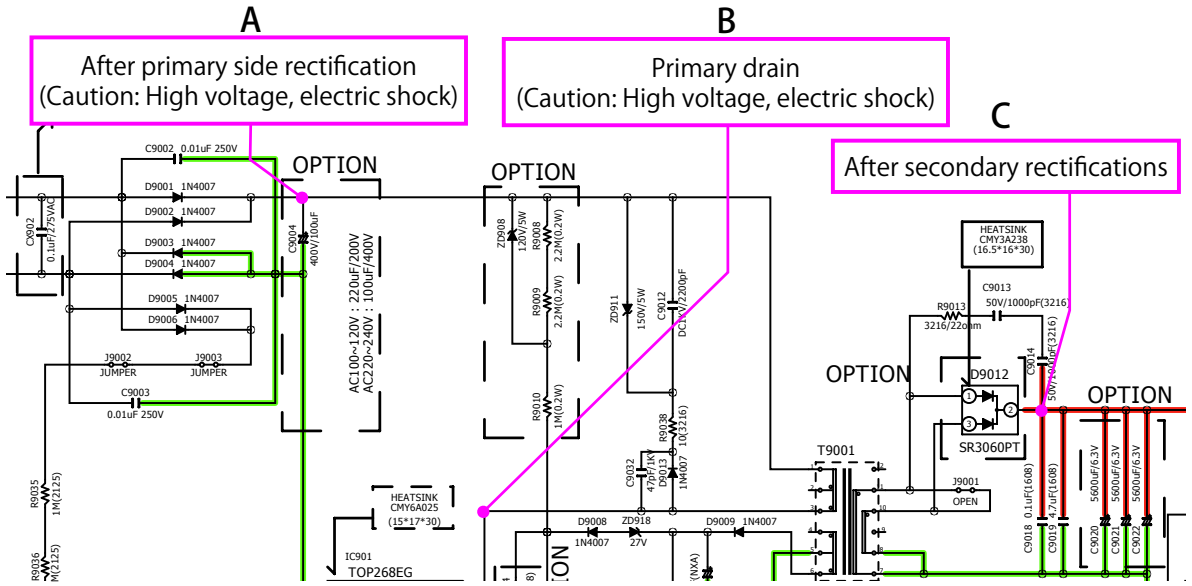


(A SIDE)

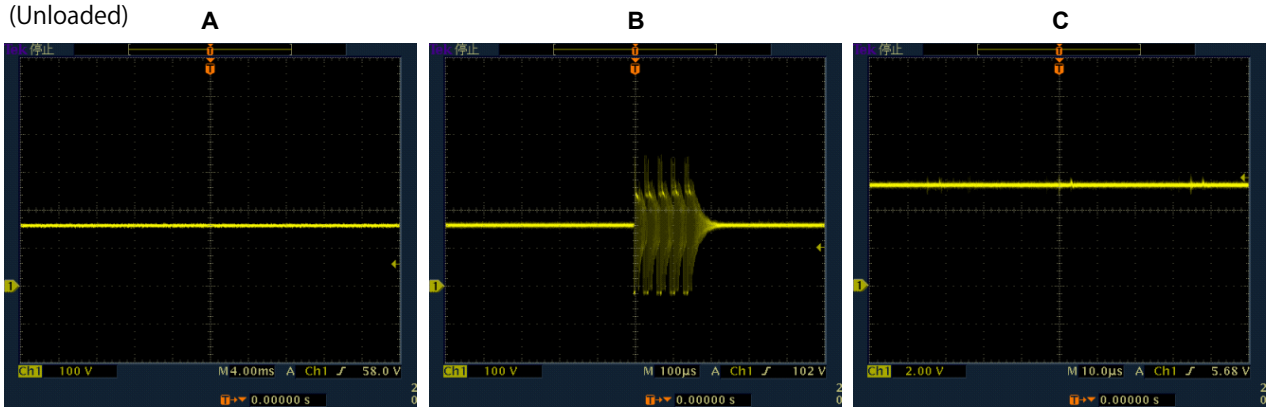
6. SMPS


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.

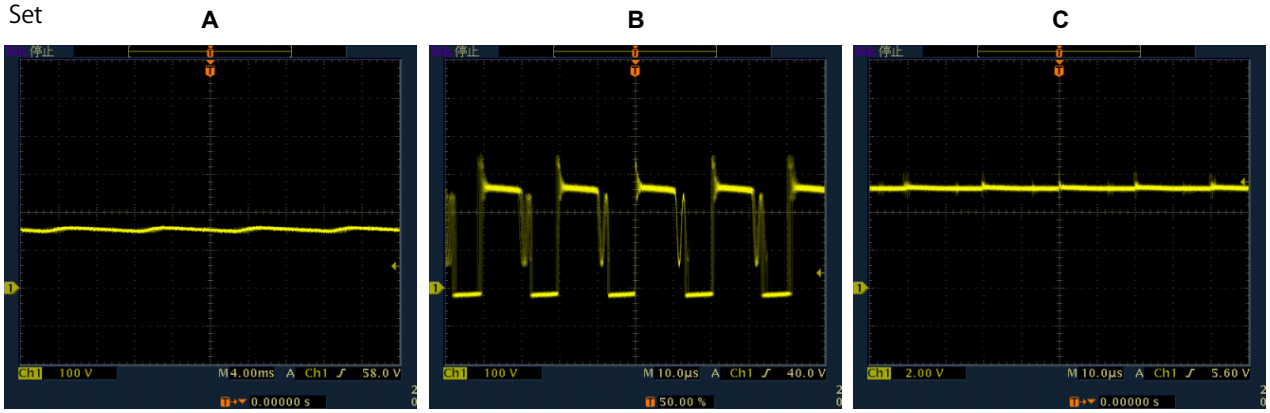
Operation waveform for each part



SMPS unit
(Unloaded)

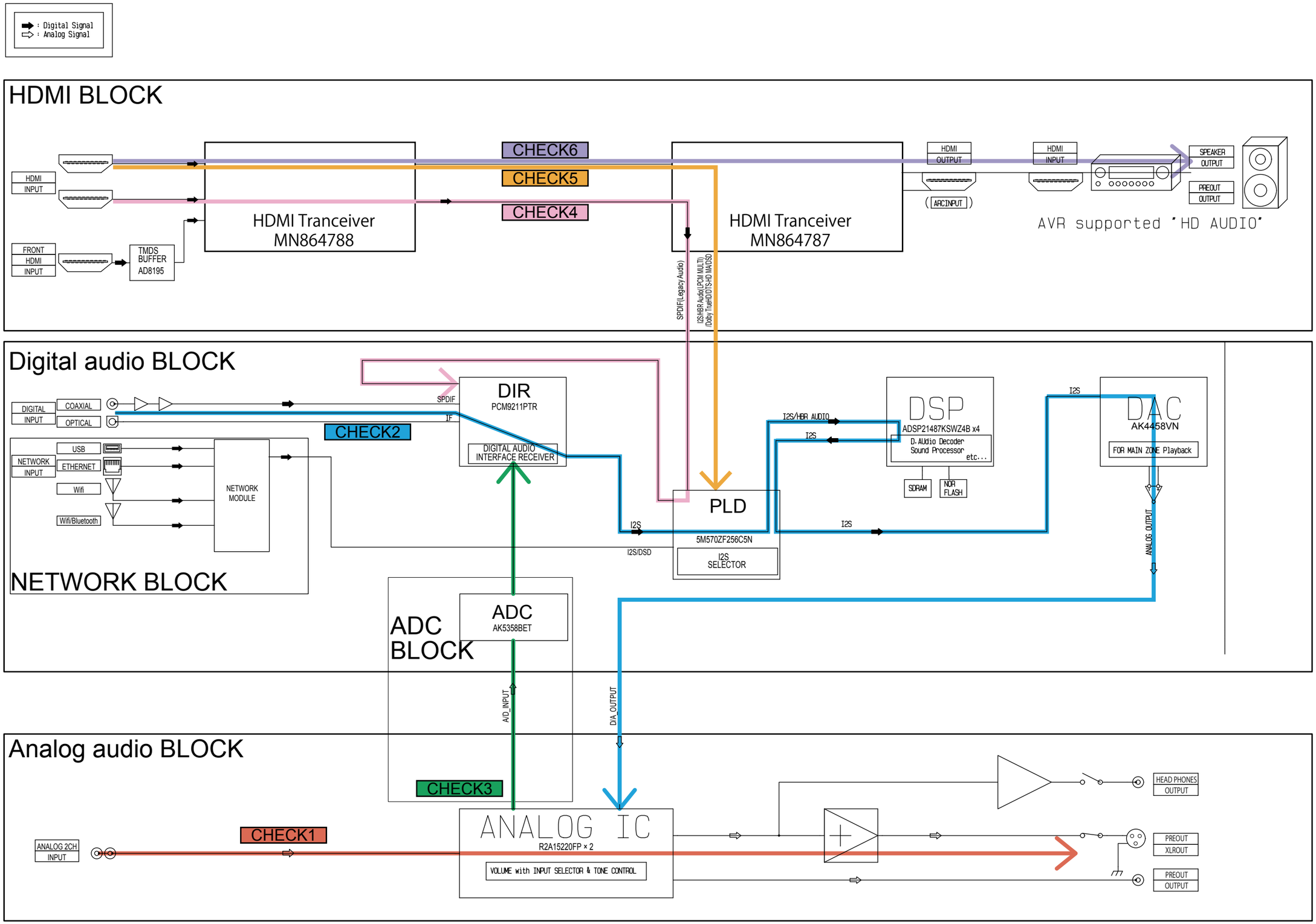


Set



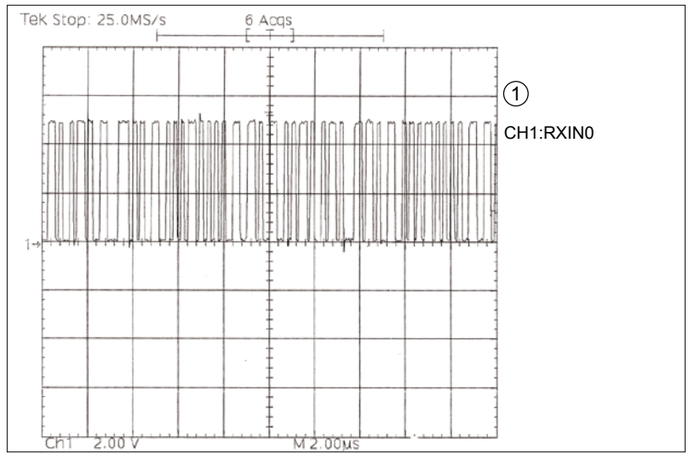
AUDIO CHECK PASS

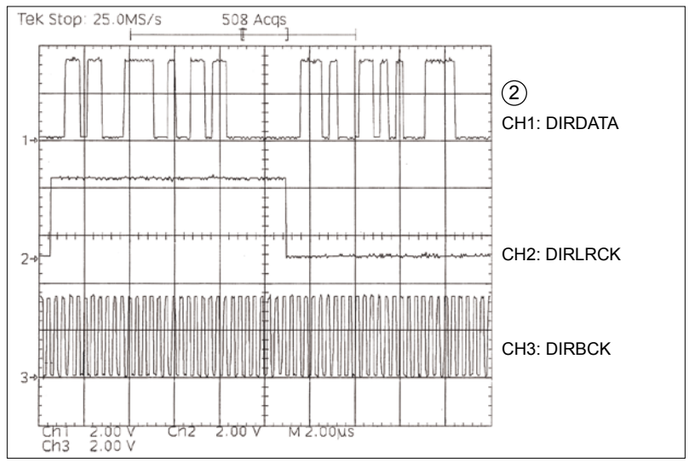
See troubleshooting "**4.1. AUDIO CHECK**" (page 101)

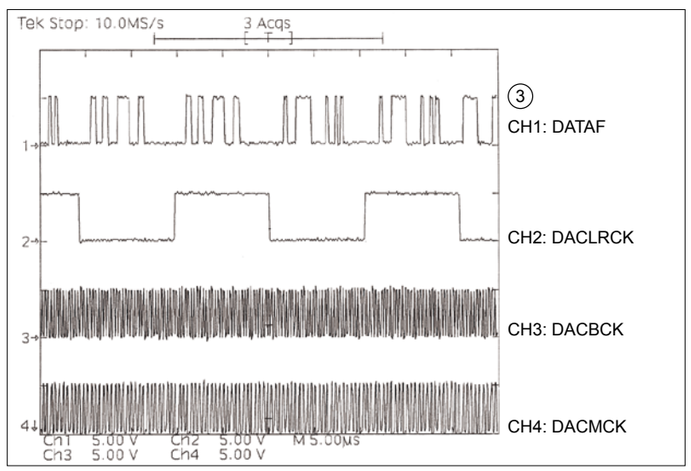


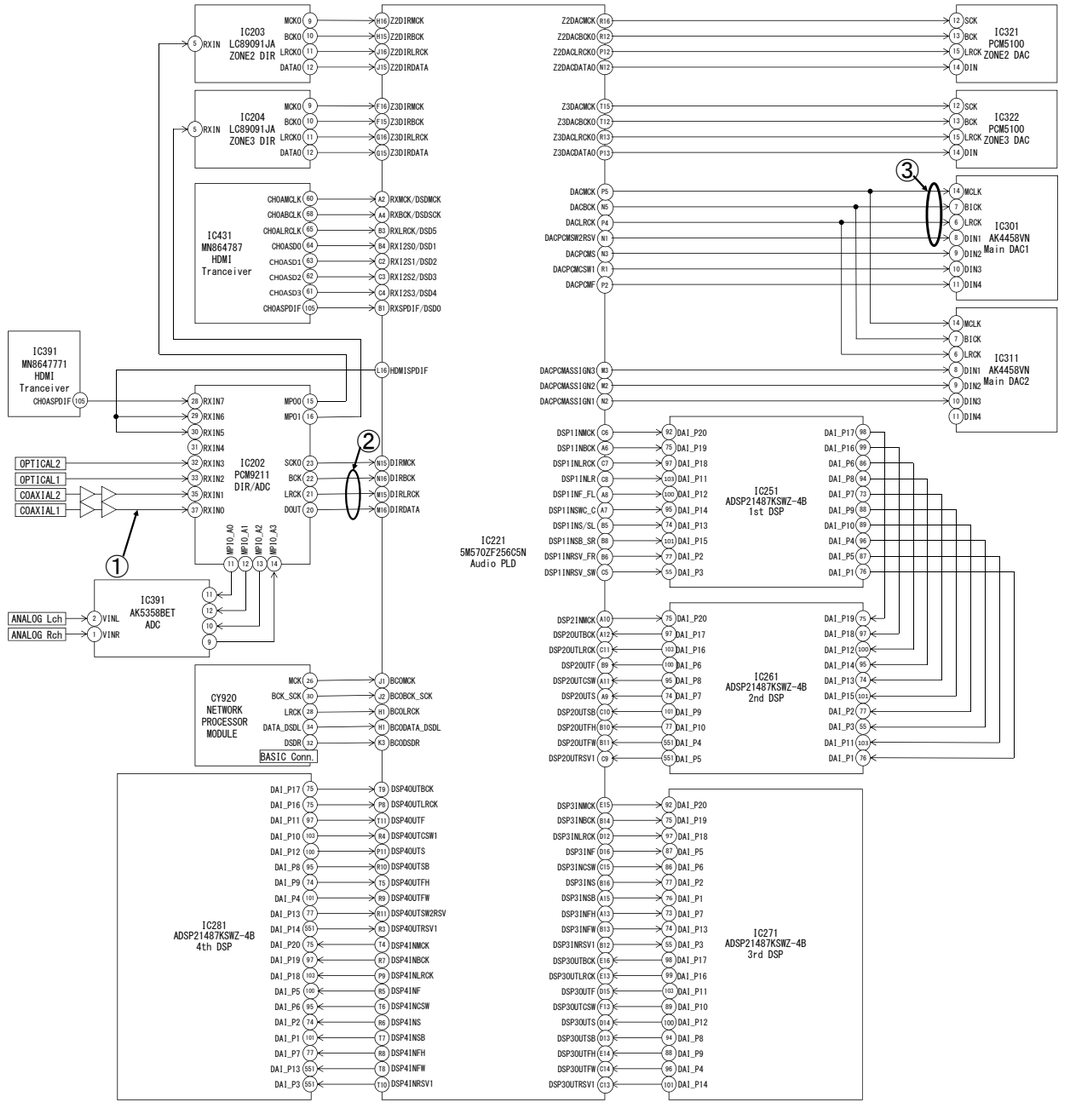
CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK

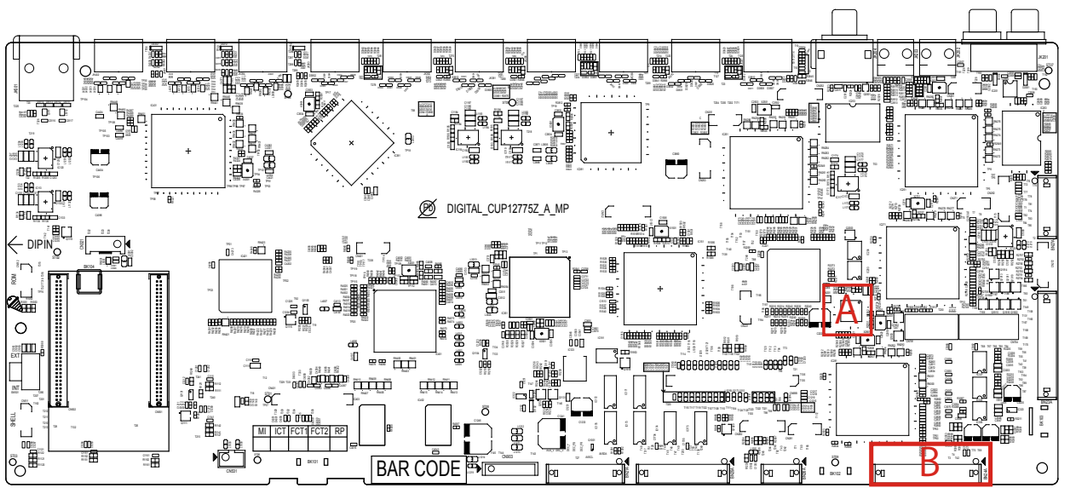
WAVE FORM



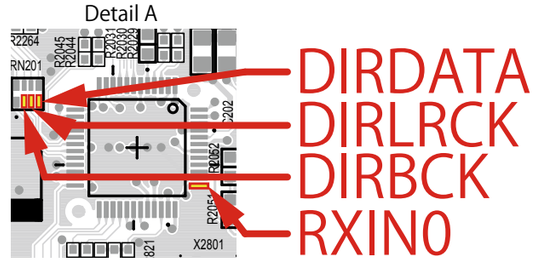




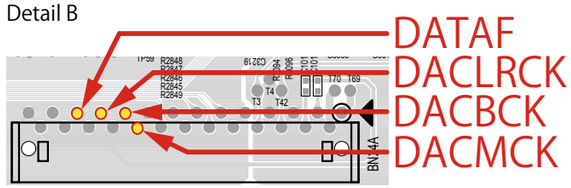




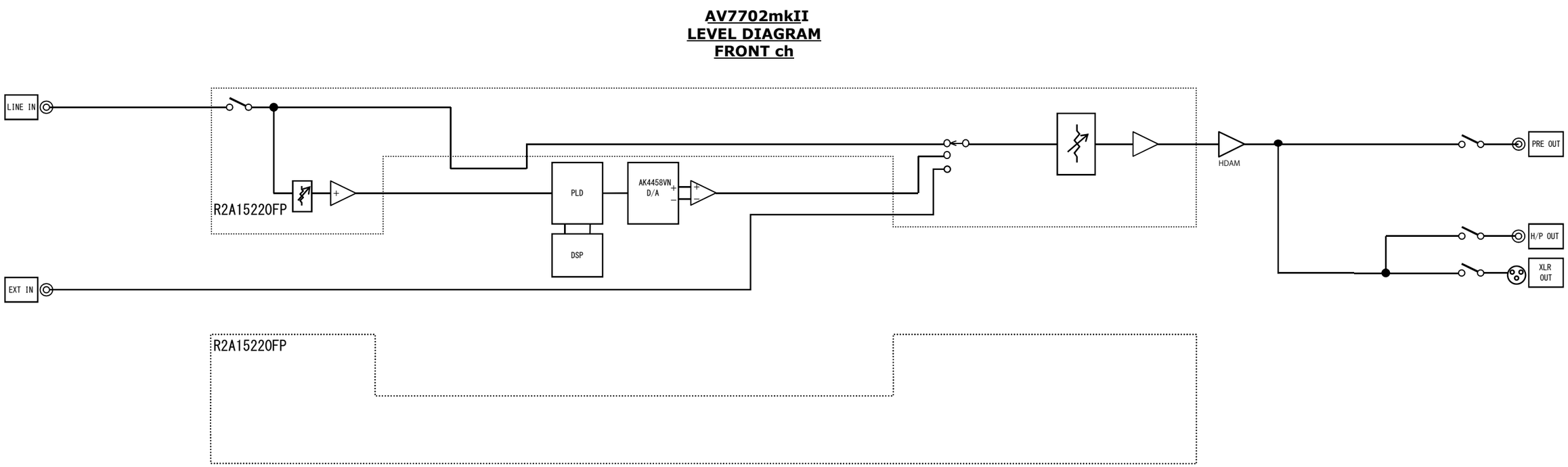
Detail A



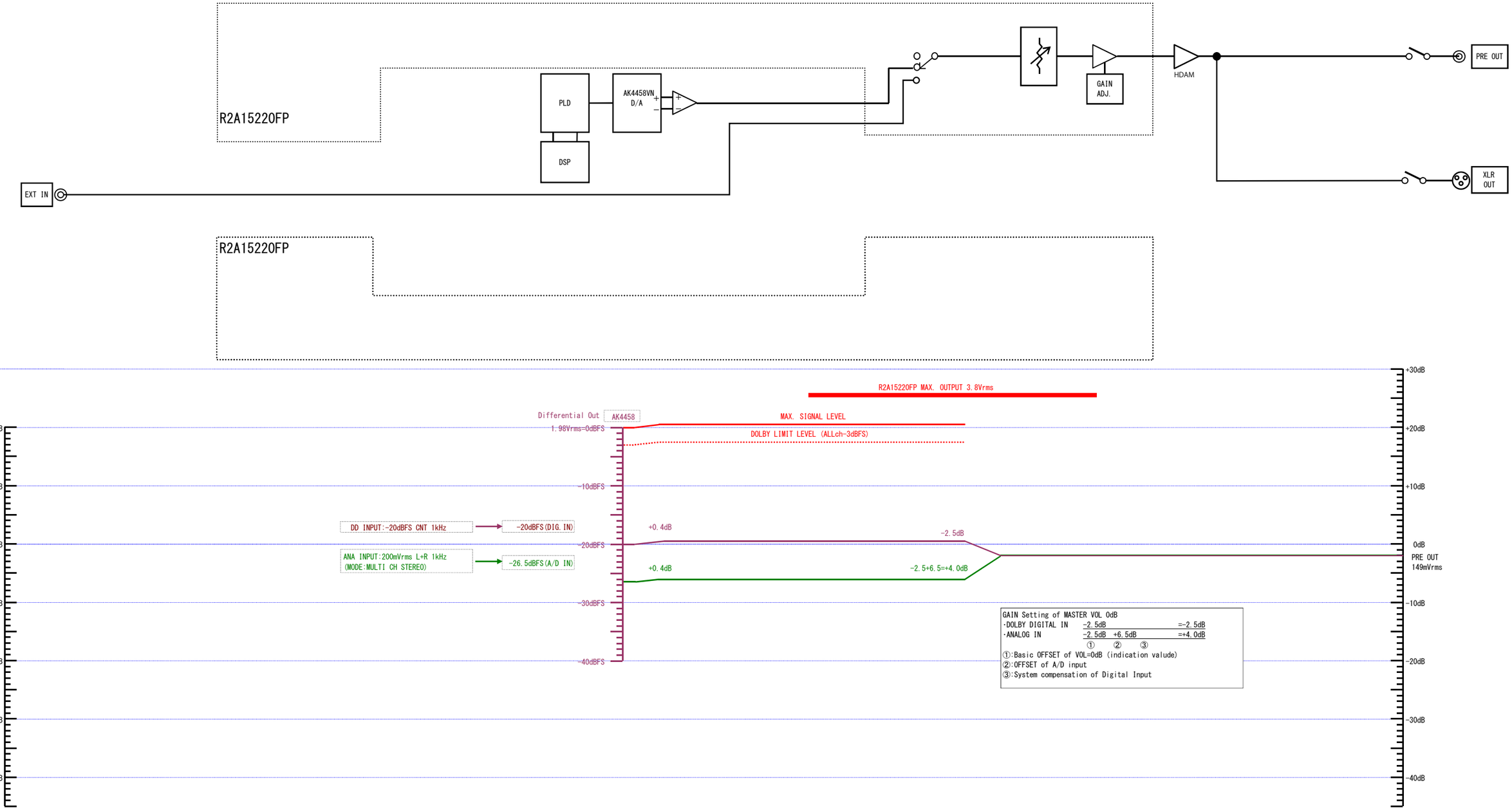
Detail B



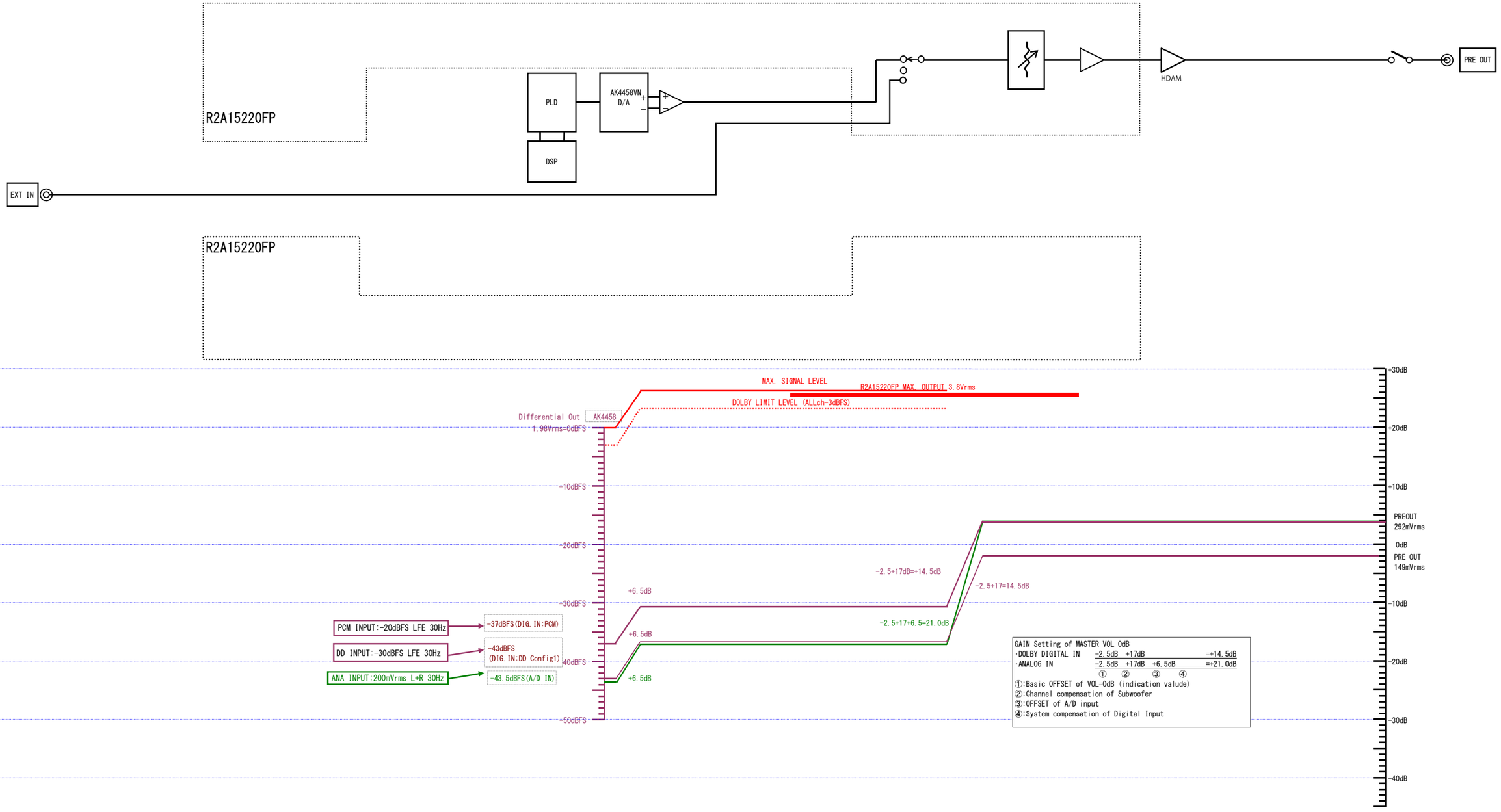
LEVEL DIAGRAM



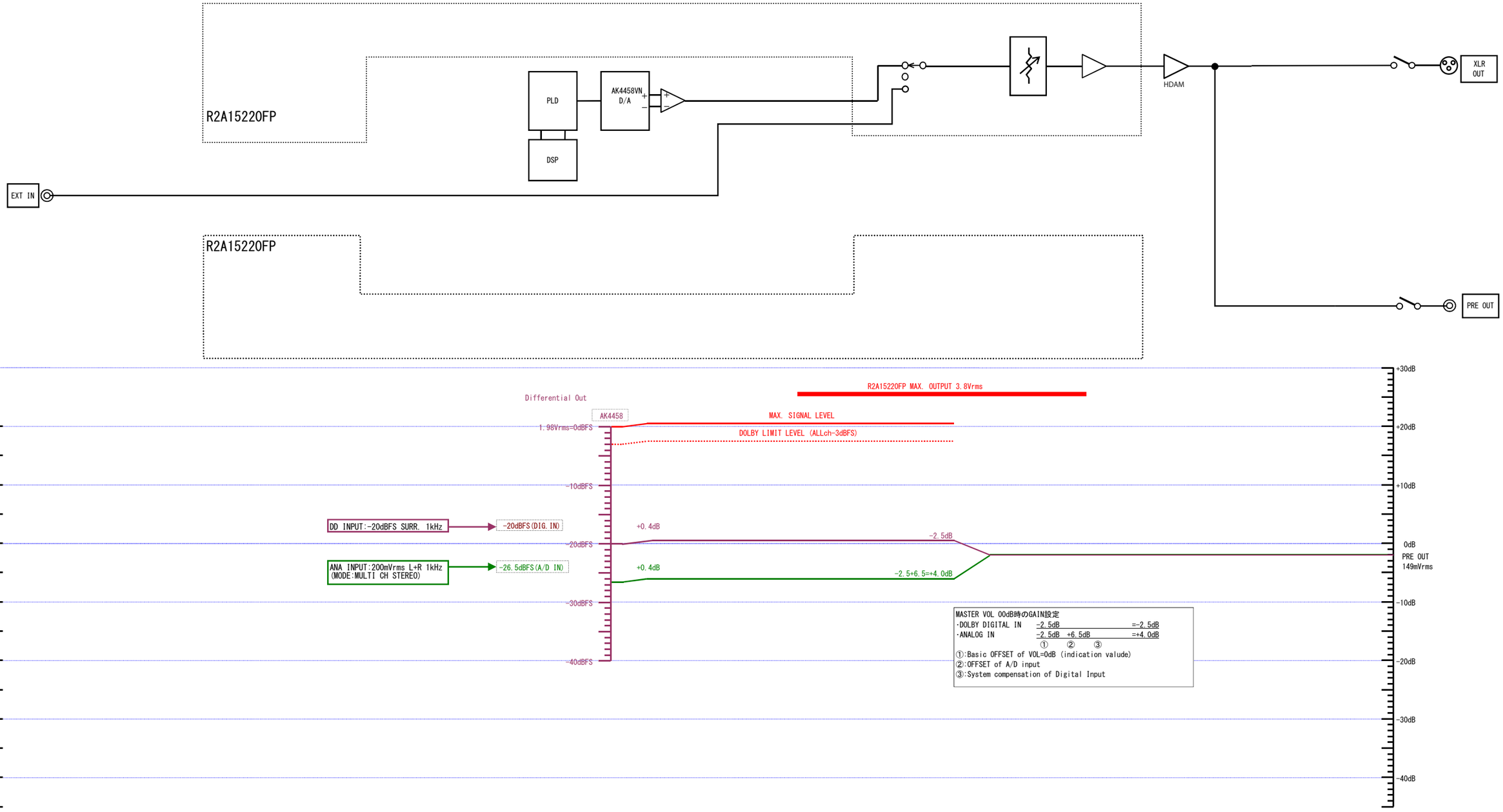
AV7702mkII
LEVEL DIAGRAM
CENTER ch



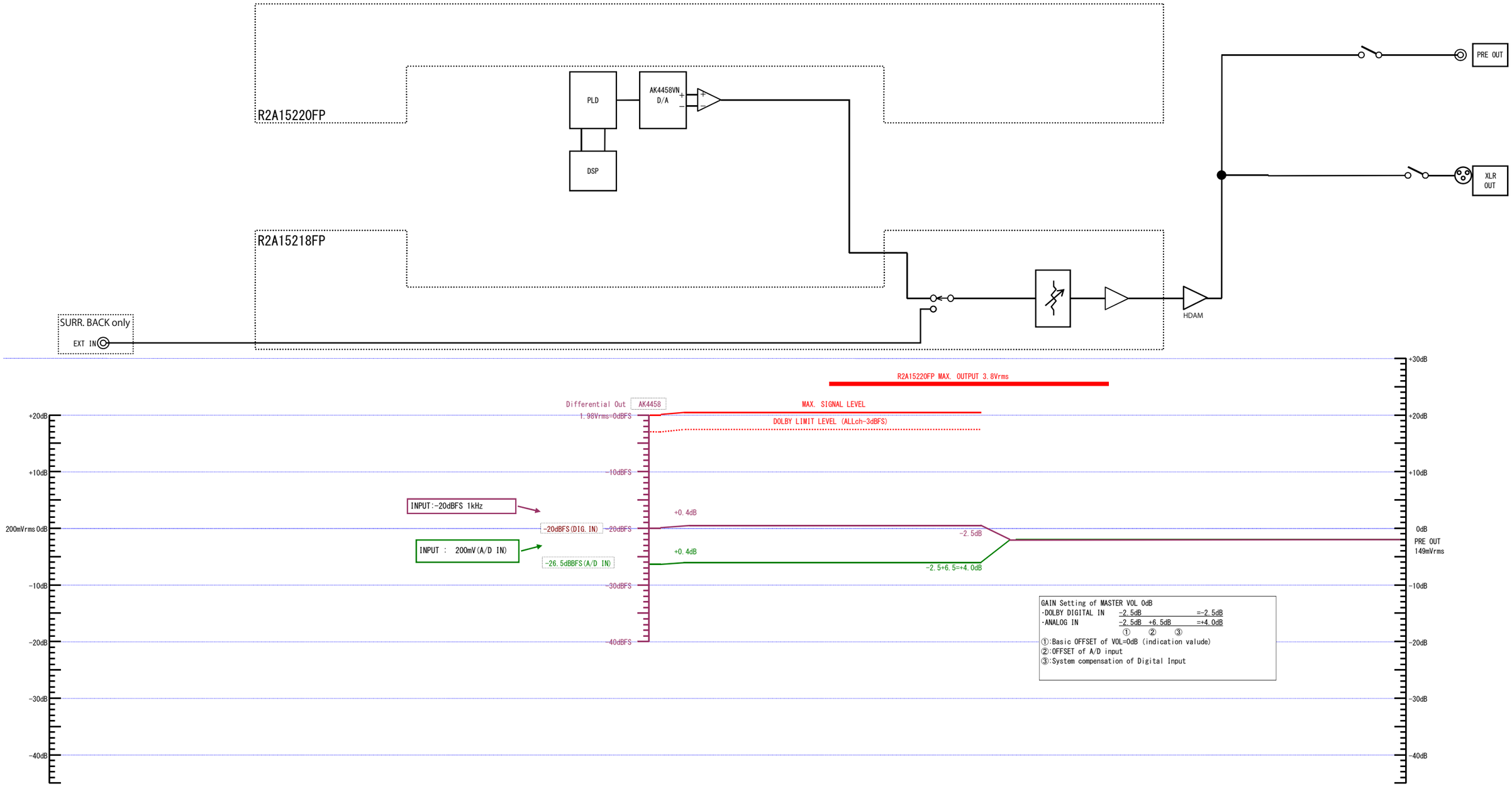
AV7702mkII
LEVEL DIAGRAM
SUBWOOFER ch



AV7702mkII
LEVEL DIAGRAM
SURROUND ch



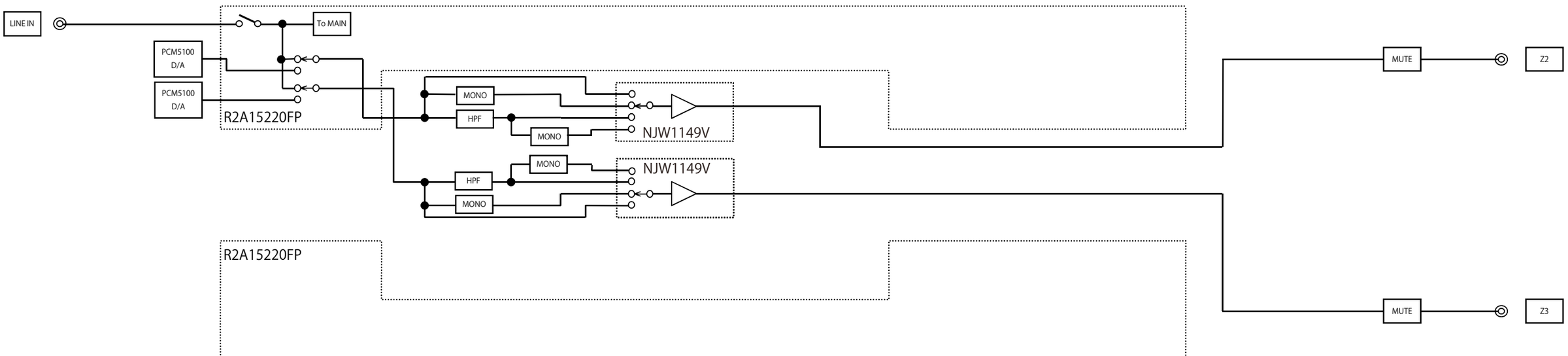
AV7702mkII
LEVEL DIAGRAM
SURR.BACK / Front Wide / Height1 / Height2 ch



AV7702mkII

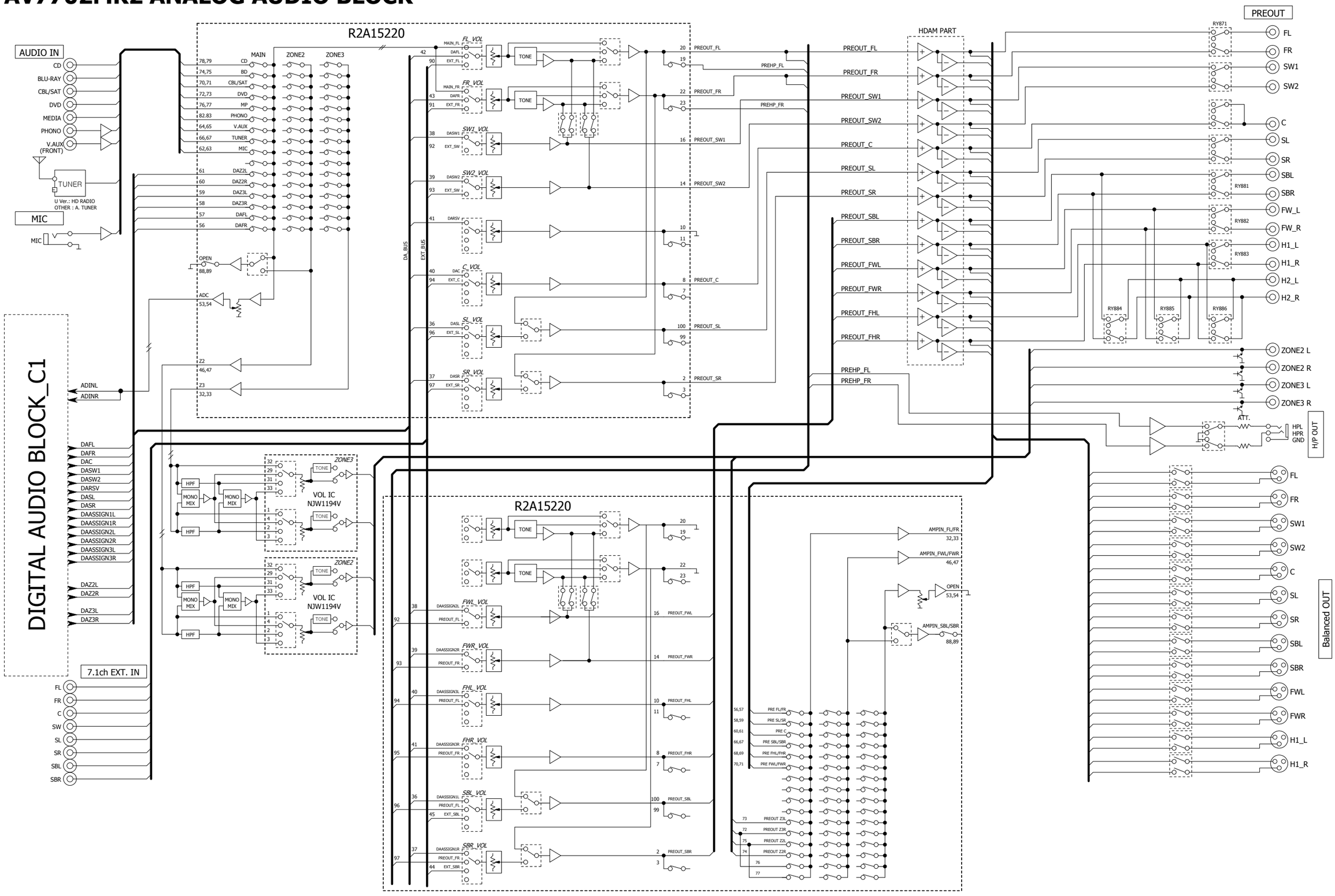
LEVEL DIAGRAM

ZONE2/ZONE3

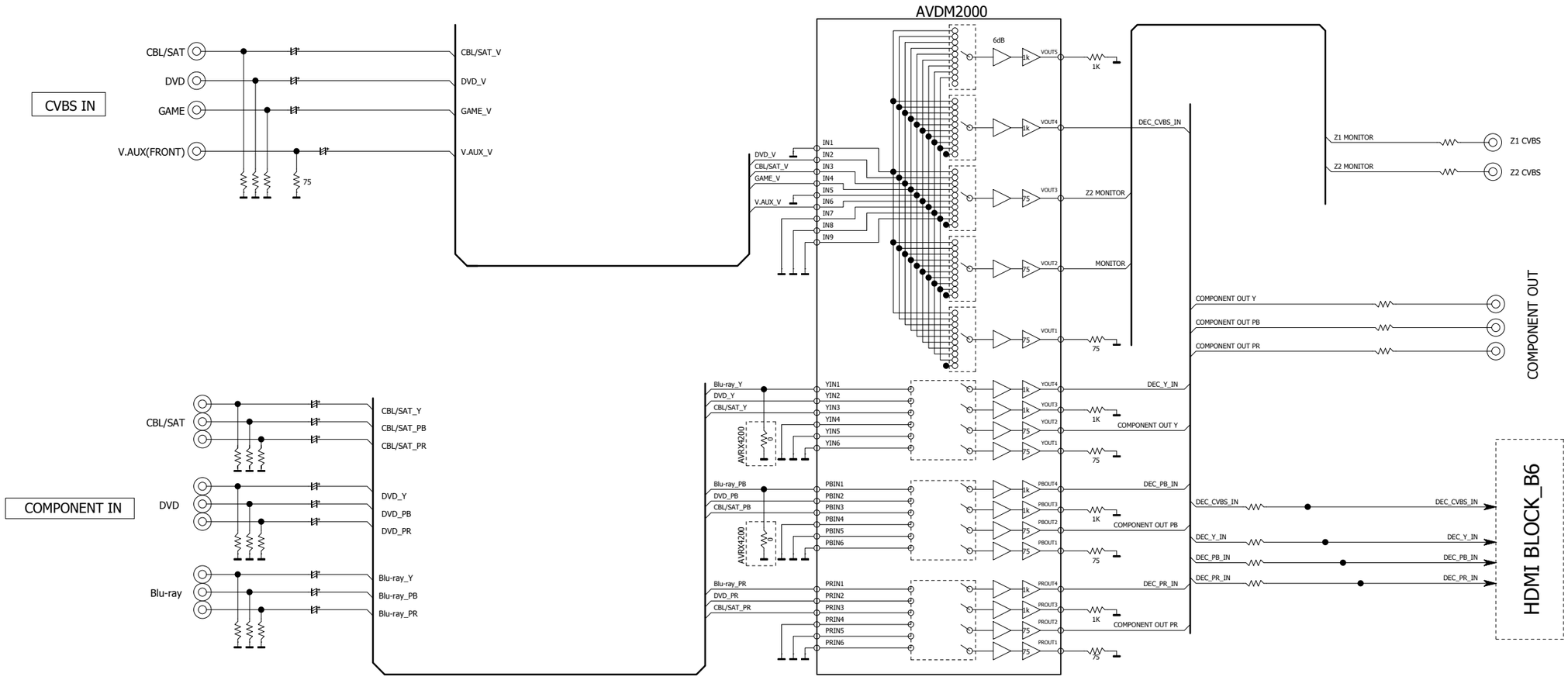


BLOCK DIAGRAM

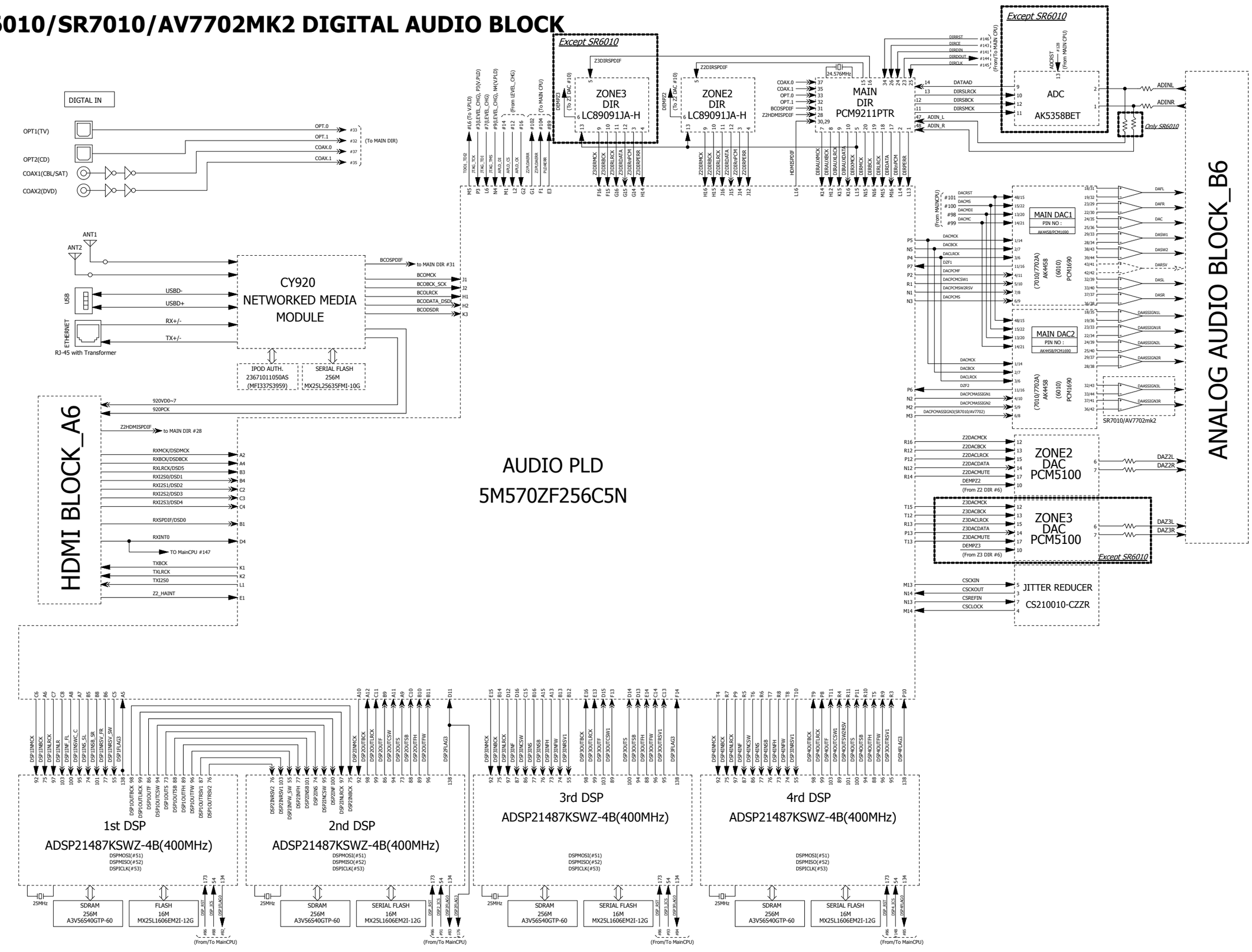
AV7702MK2 ANALOG AUDIO BLOCK



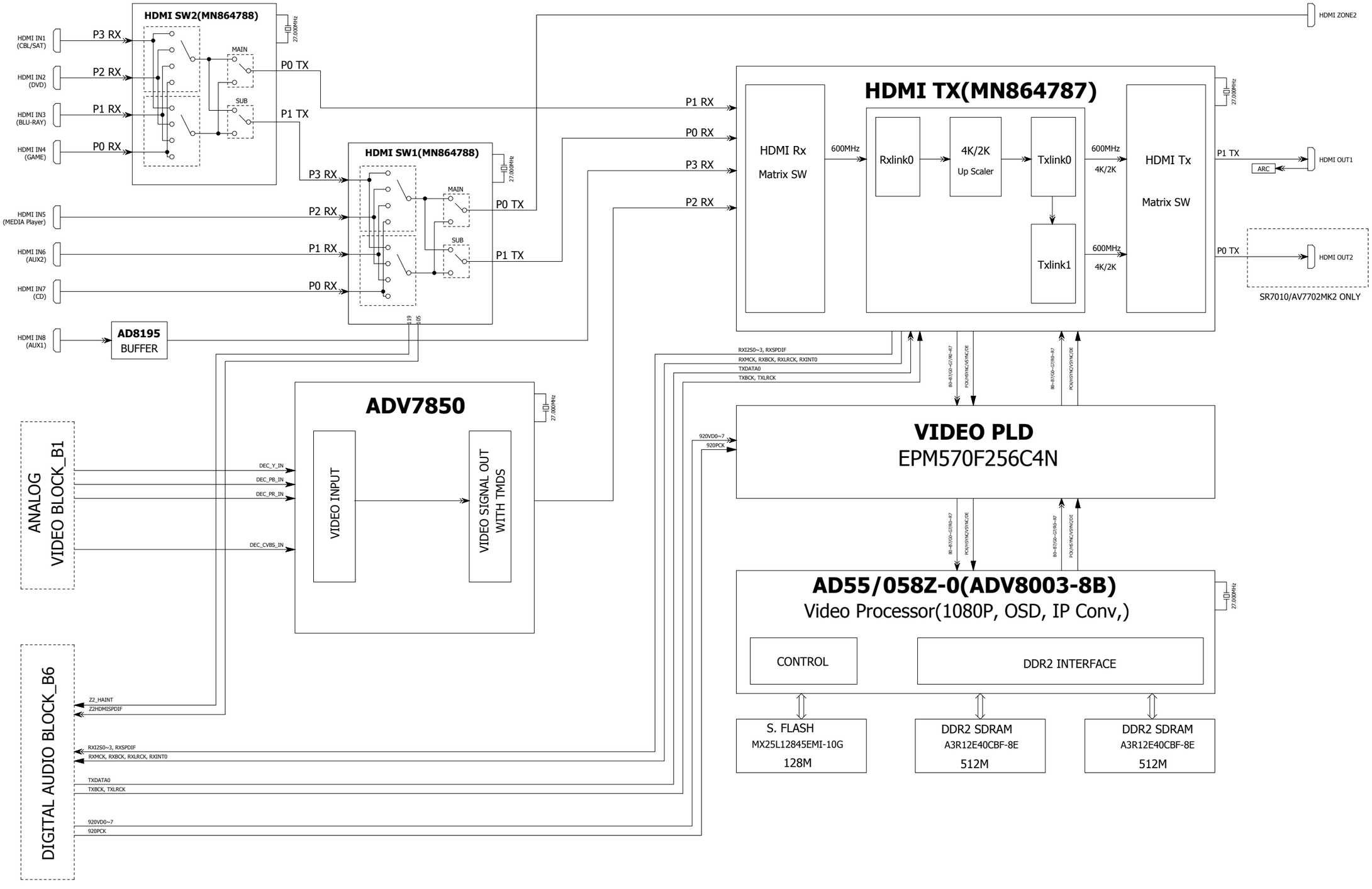
SR7010/AV7702MK2 ANALOG VIDEO BLOCK



SR6010/SR7010/AV7702MK2 DIGITAL AUDIO BLOCK

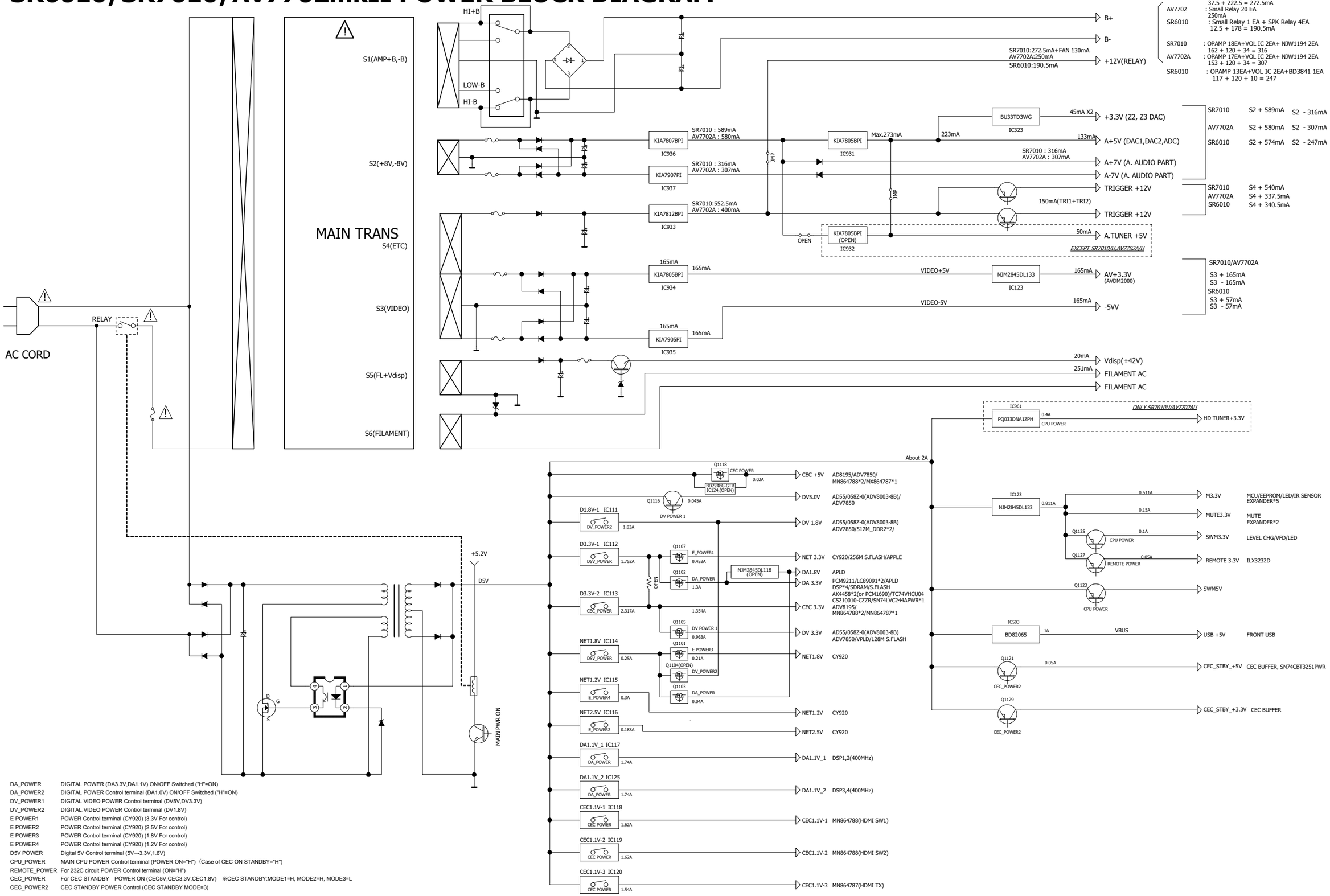


SR6010/SR7010/AV7702MK2 HDMI BLOCK



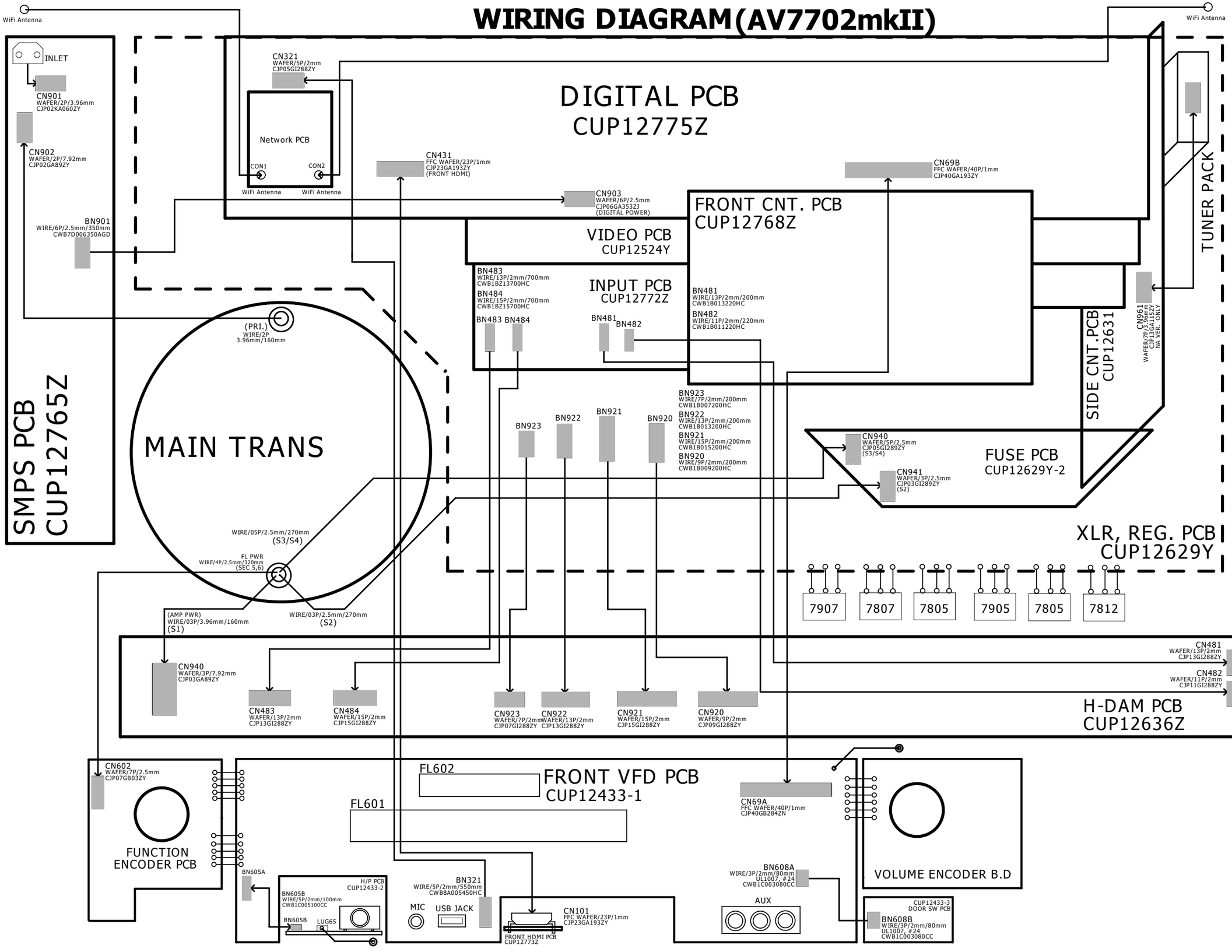
POWER DIAGRAM

SR6010/SR7010/AV7702mkII 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)

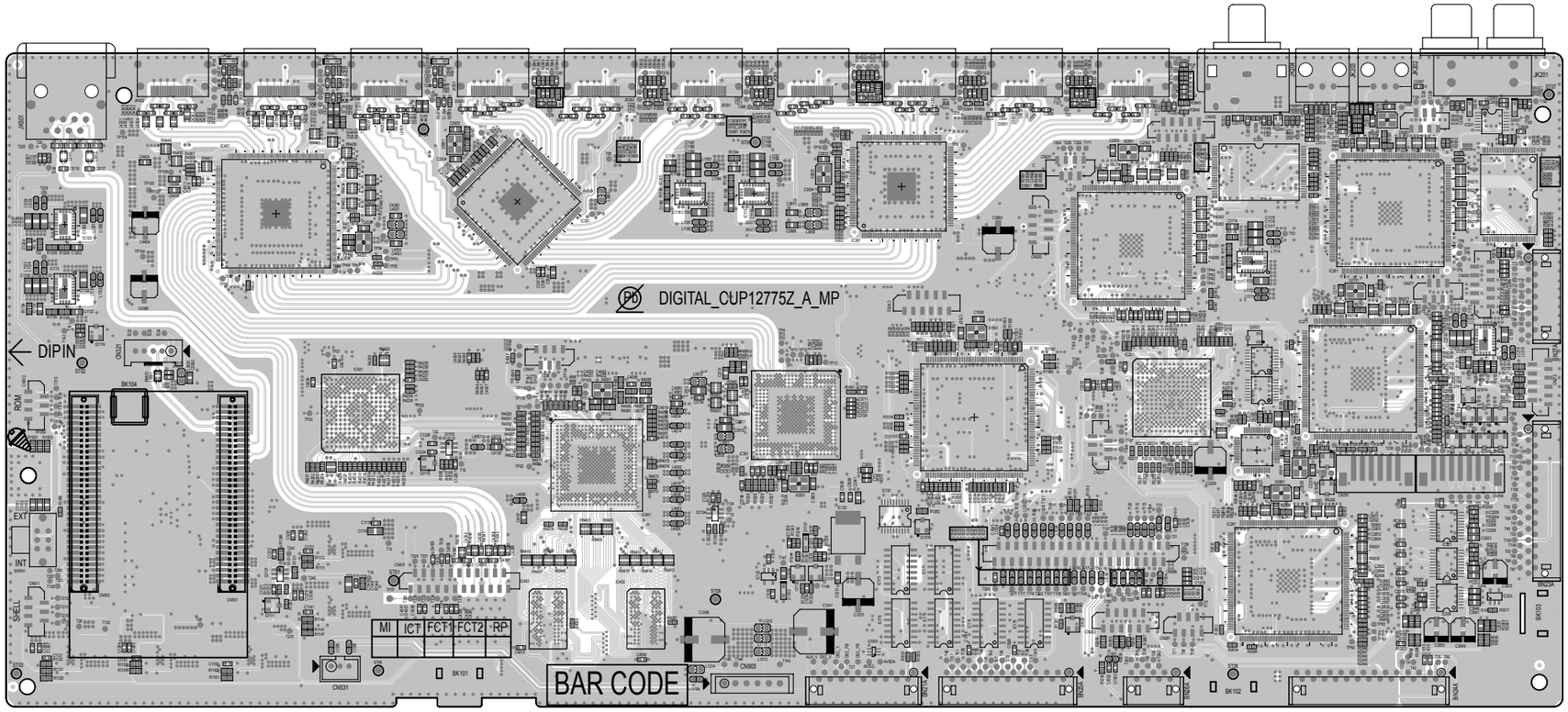
WIRING DIAGRAM



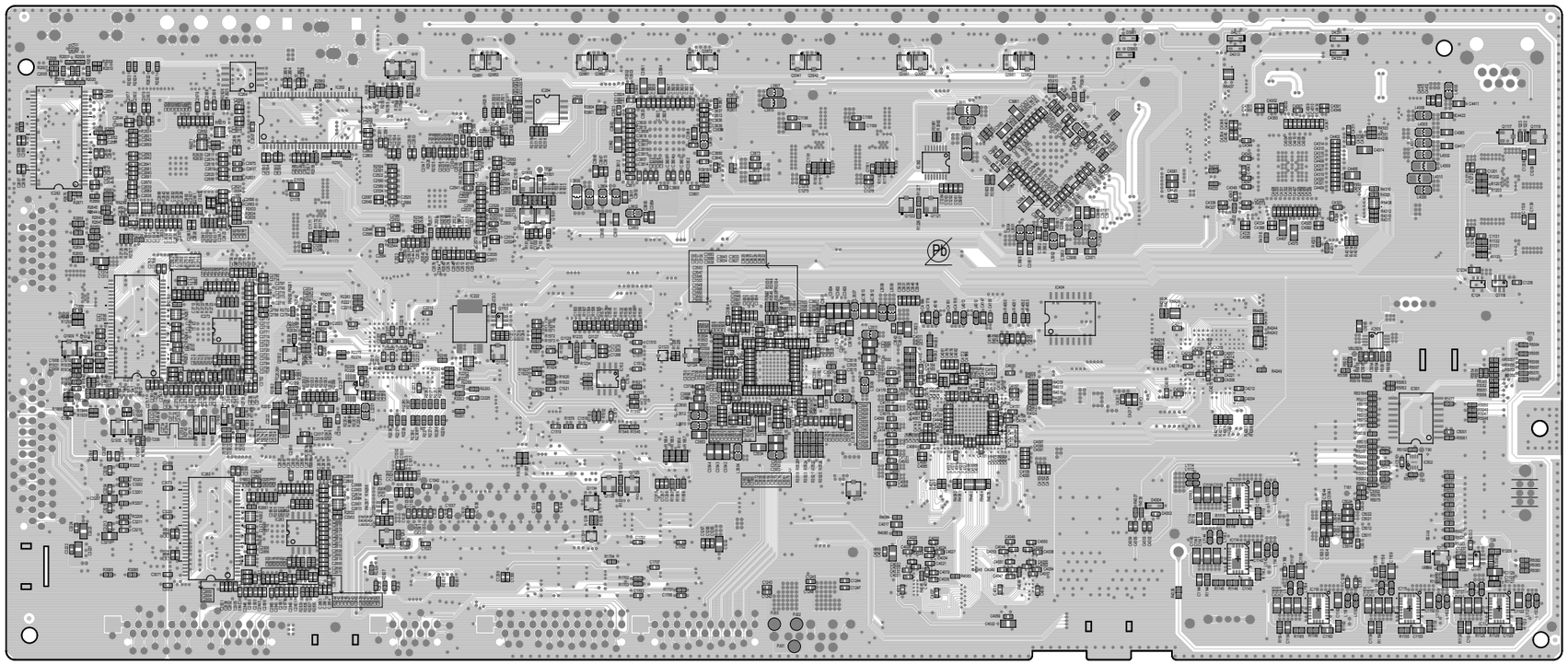
PRINTED CIRCUIT BOARDS

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

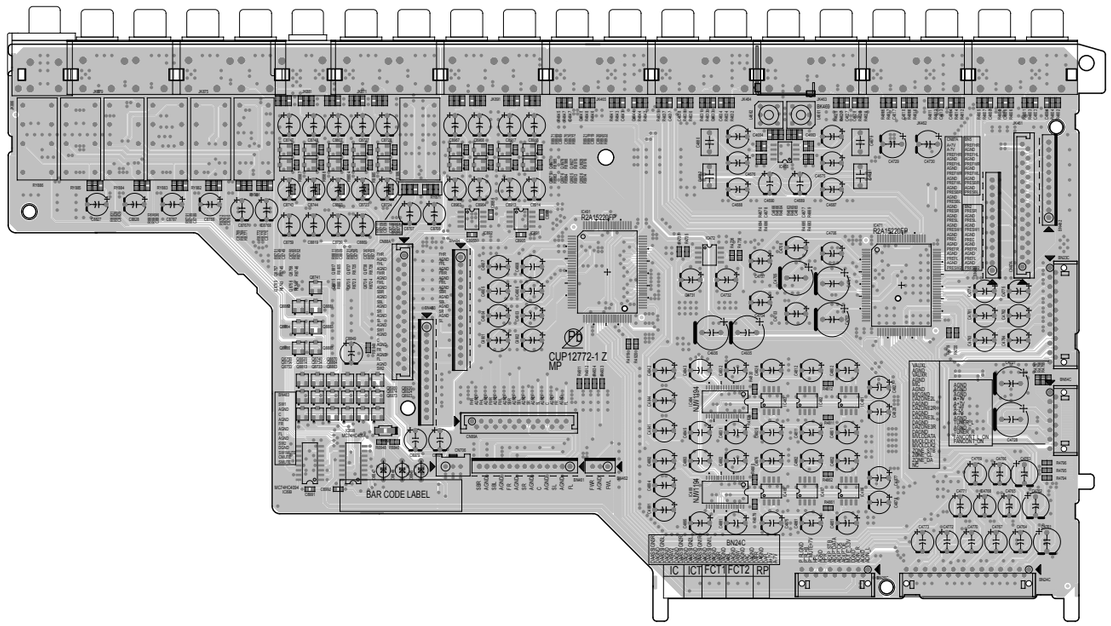
DIGITAL (A SIDE)



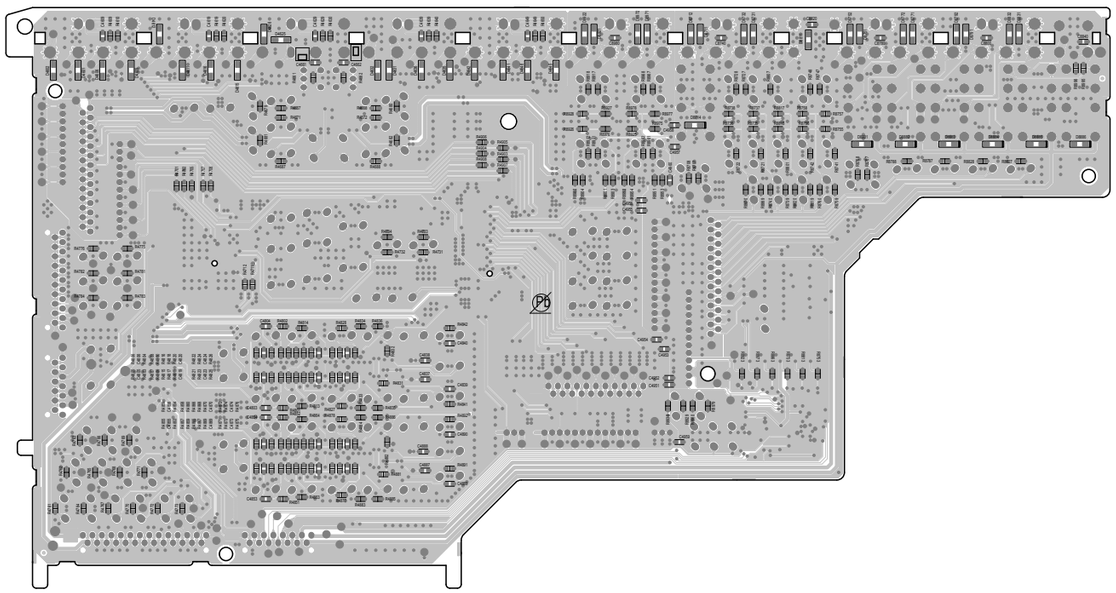
DIGITAL (B SIDE)



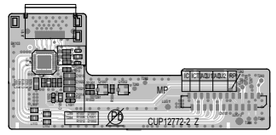
INPUT (A SIDE)



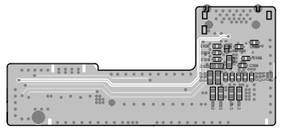
INPUT (B SIDE)



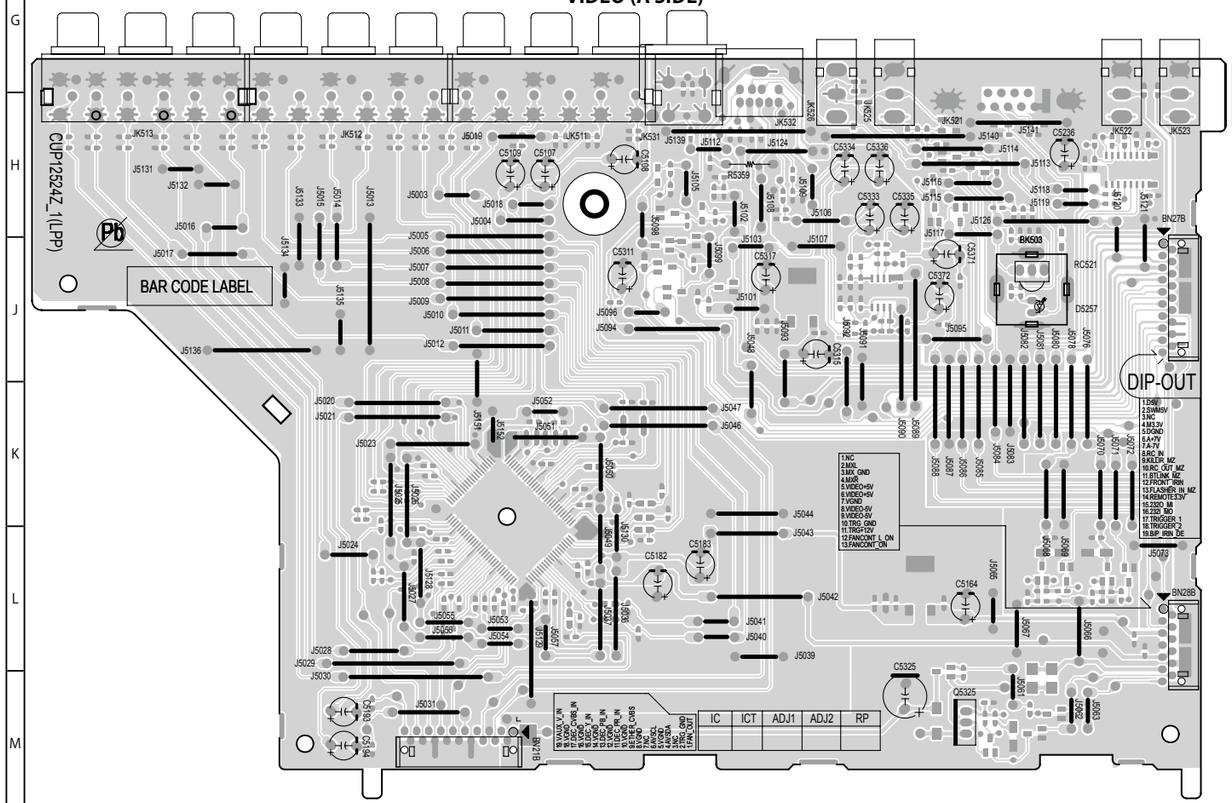
FRONT HDMI (A SIDE)



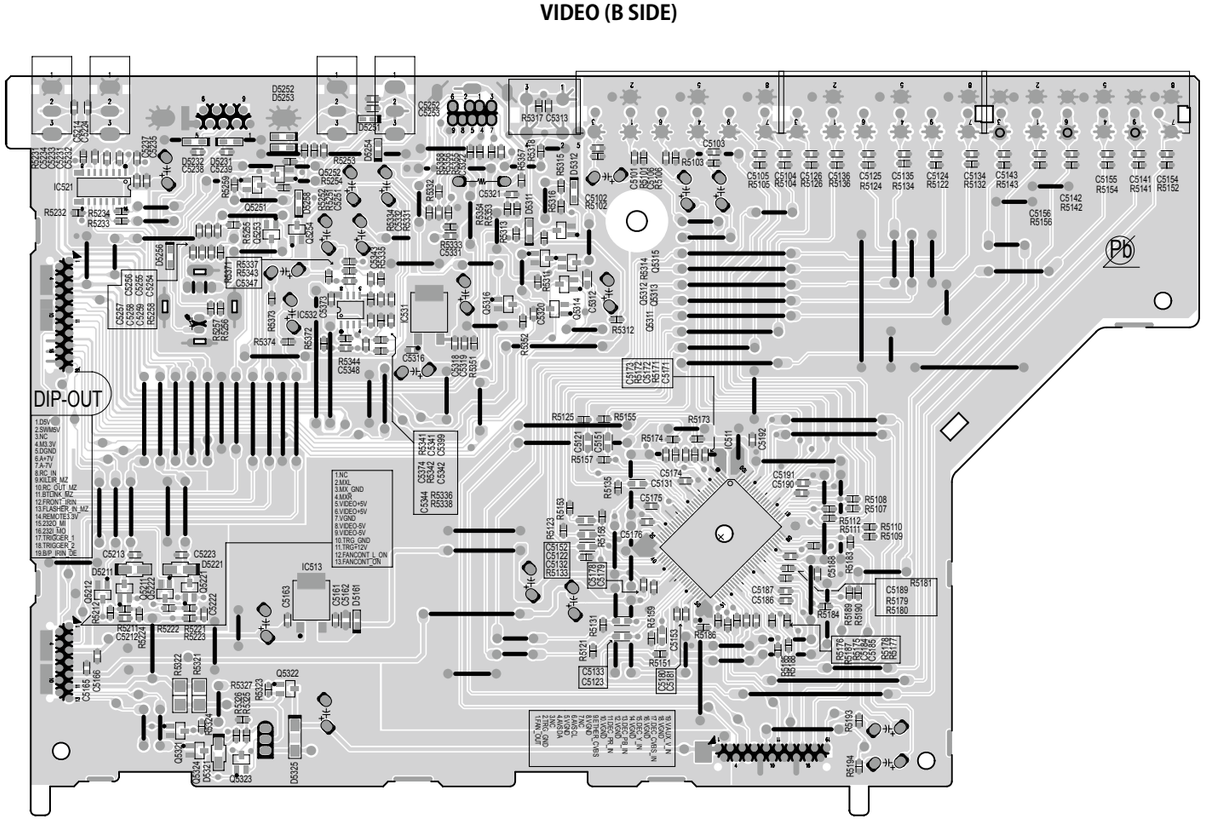
FRONT HDMI (A SIDE)



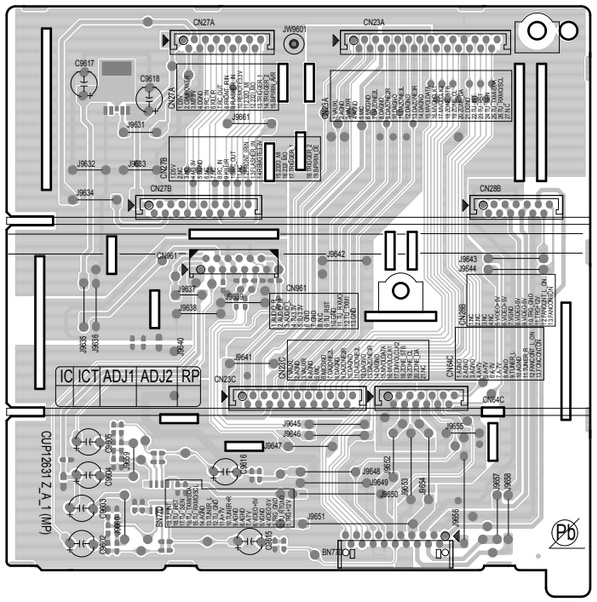
VIDEO (A SIDE)



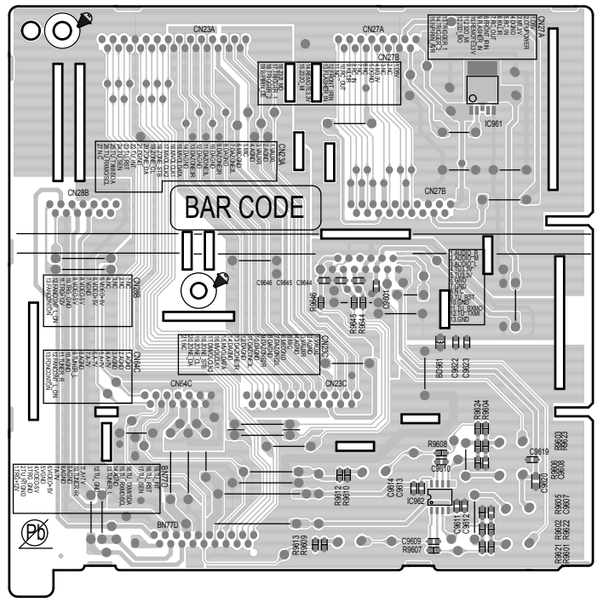
VIDEO (B SIDE)



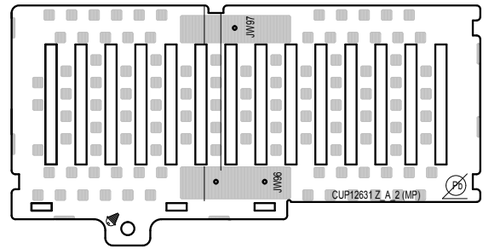
SIDE CNT (A SIDE)



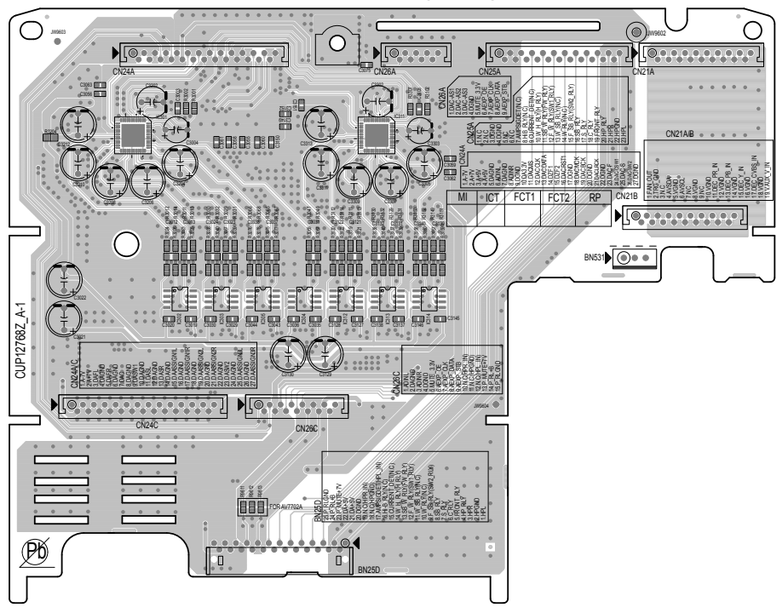
SIDE CNT (B SIDE)



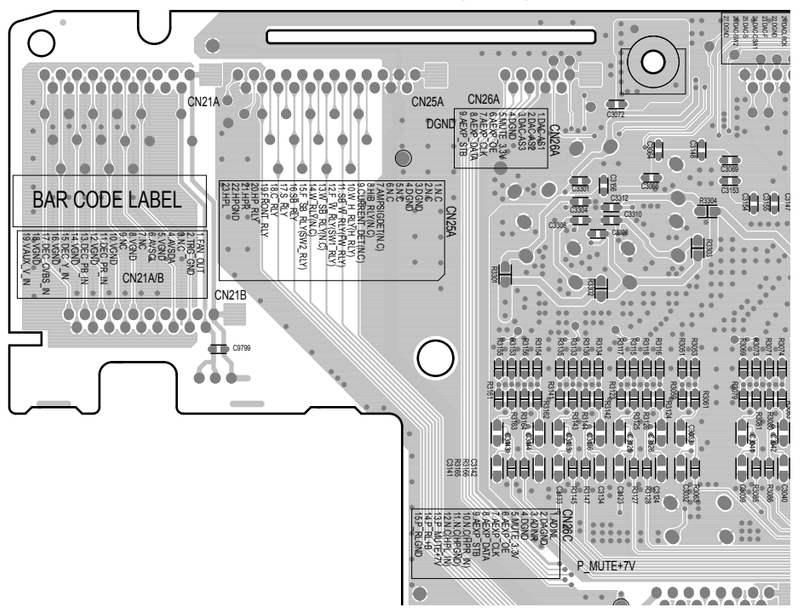
GUIDE FFC1 with HDAM PCB (A SIDE)



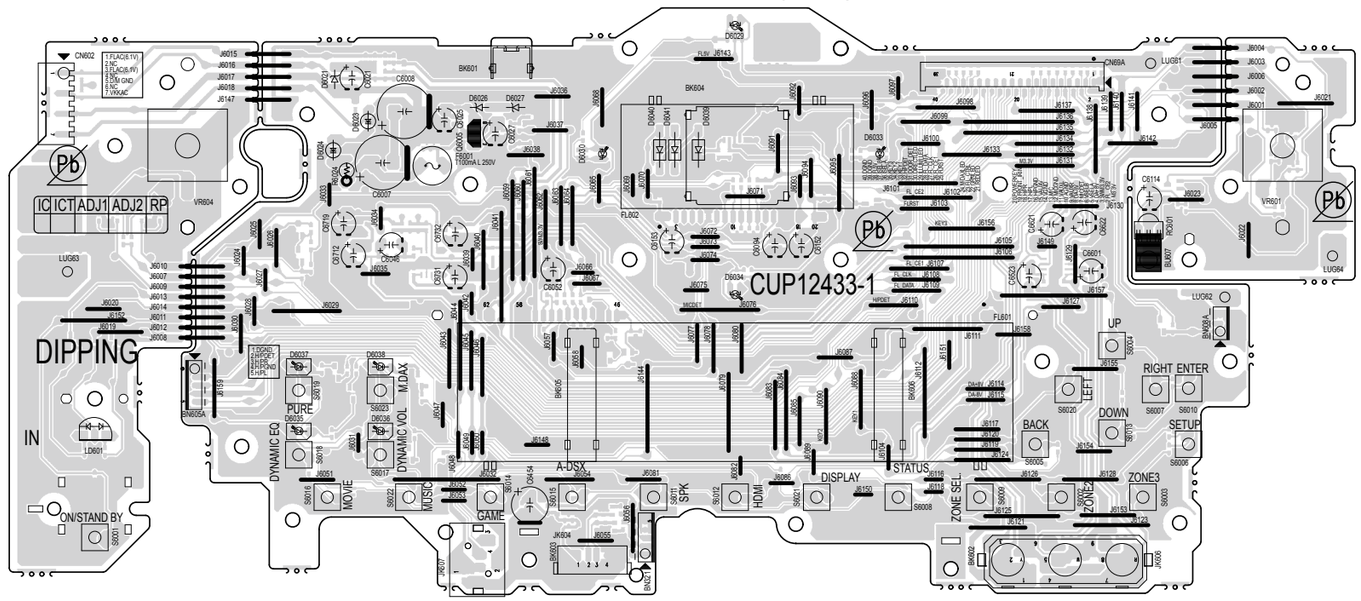
FRONT CNT (A SIDE)



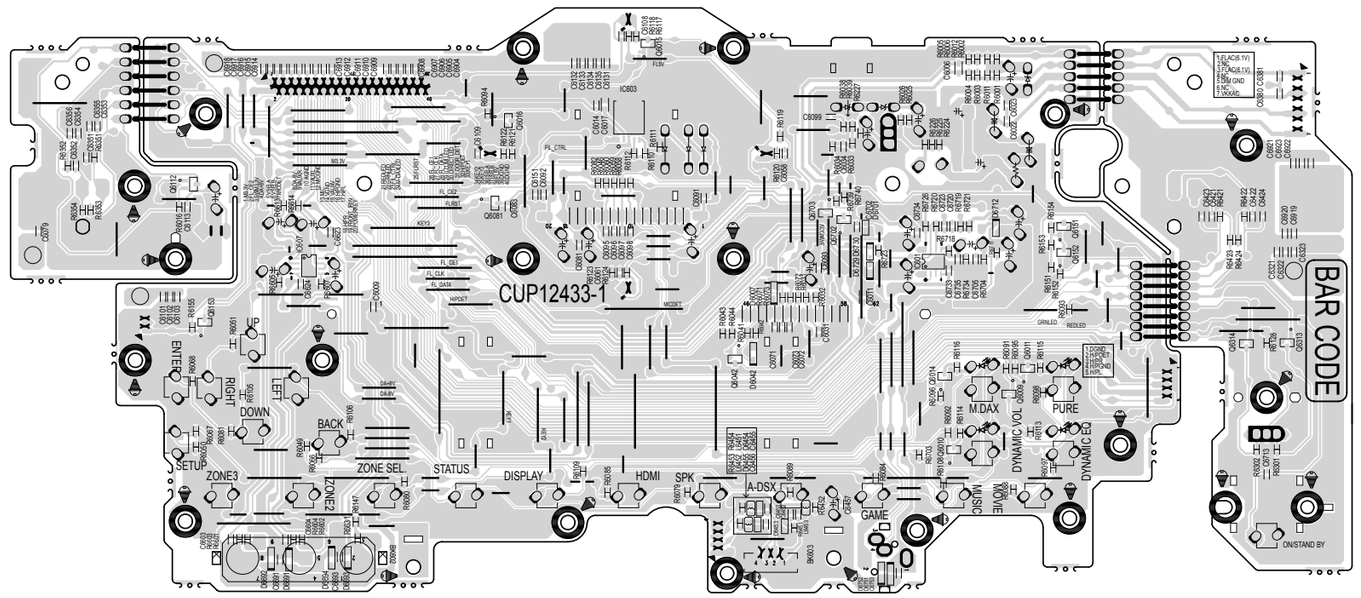
FRONT CNT (B SIDE)



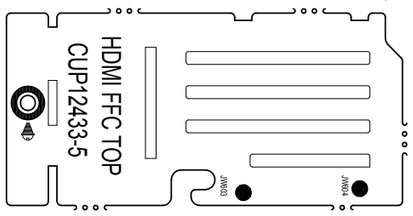
FRONT (A SIDE)



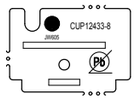
FRONT (B SIDE)



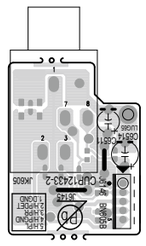
FRONT HDMI FFC CABLE with FRONT PCB (A SIDE)



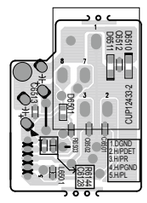
GUIDE FFC2 with DIGITAL PCB (A SIDE)



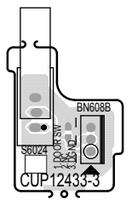
HEAD PHONE (A SIDE)



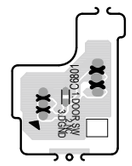
HEAD PHONE (B SIDE)



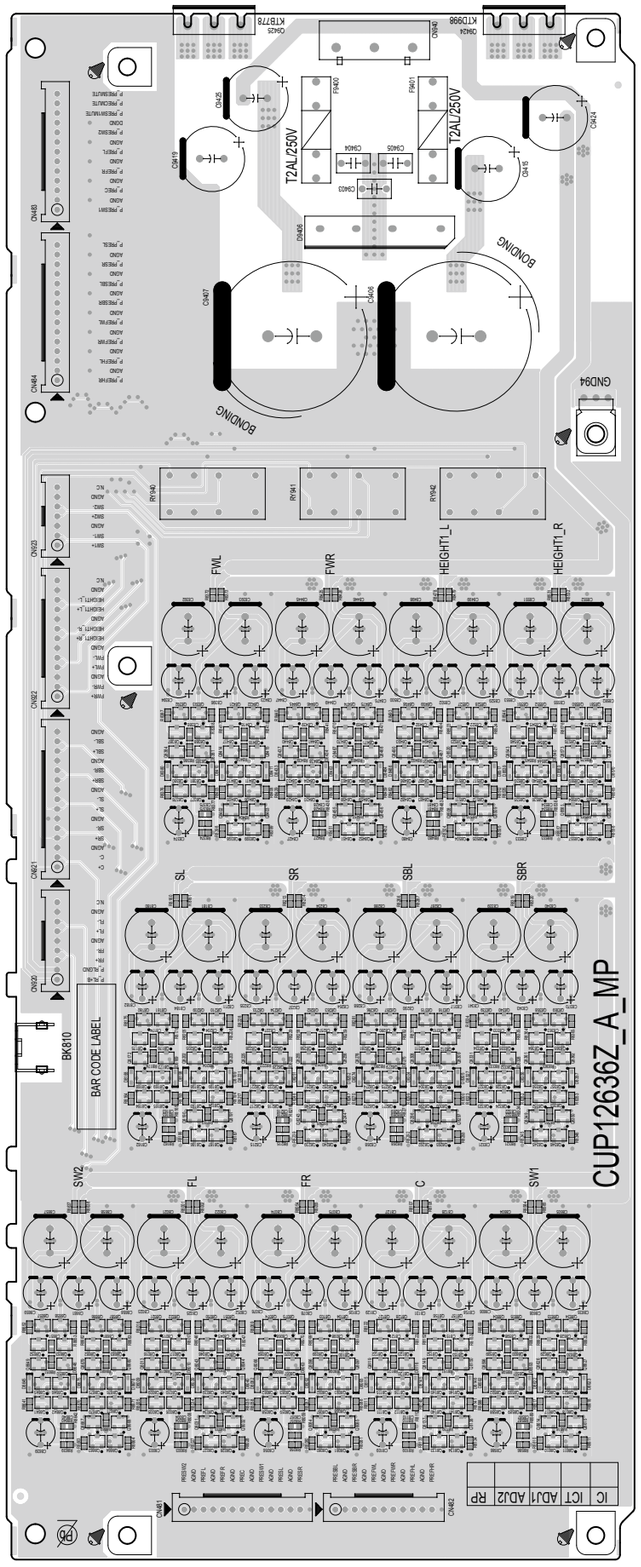
FRONT SW (A SIDE)



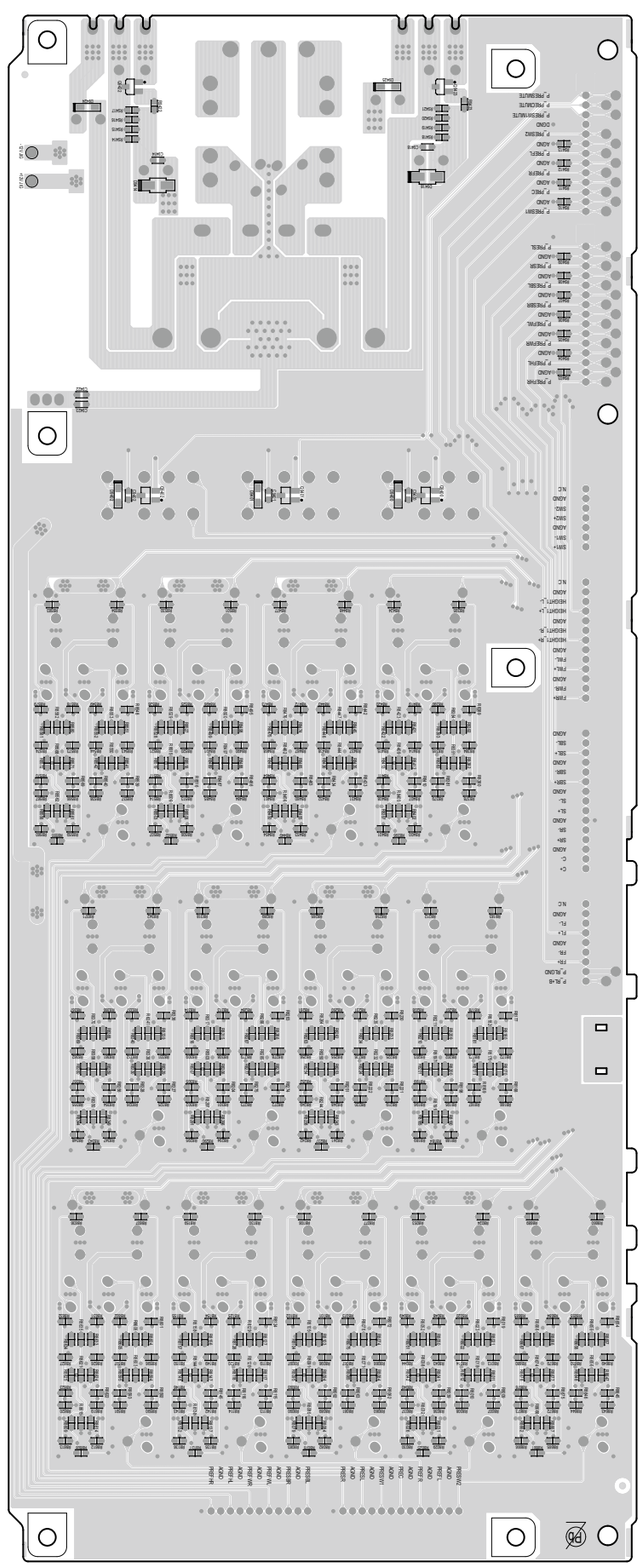
FRONT SW (B SIDE)



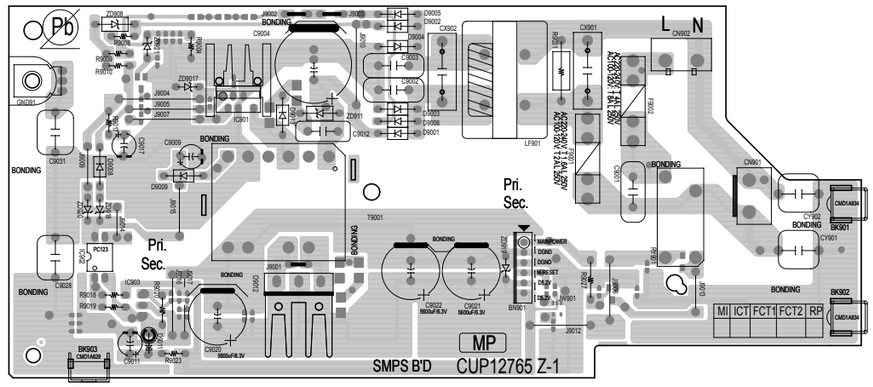
H-DAM (A SIDE)



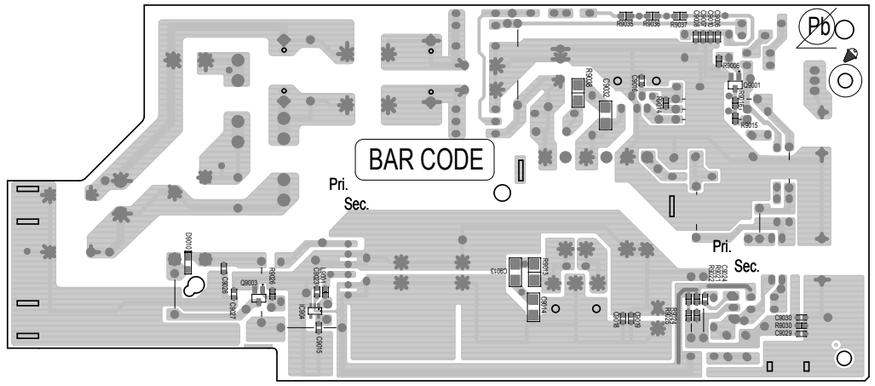
H-DAM (B SIDE)



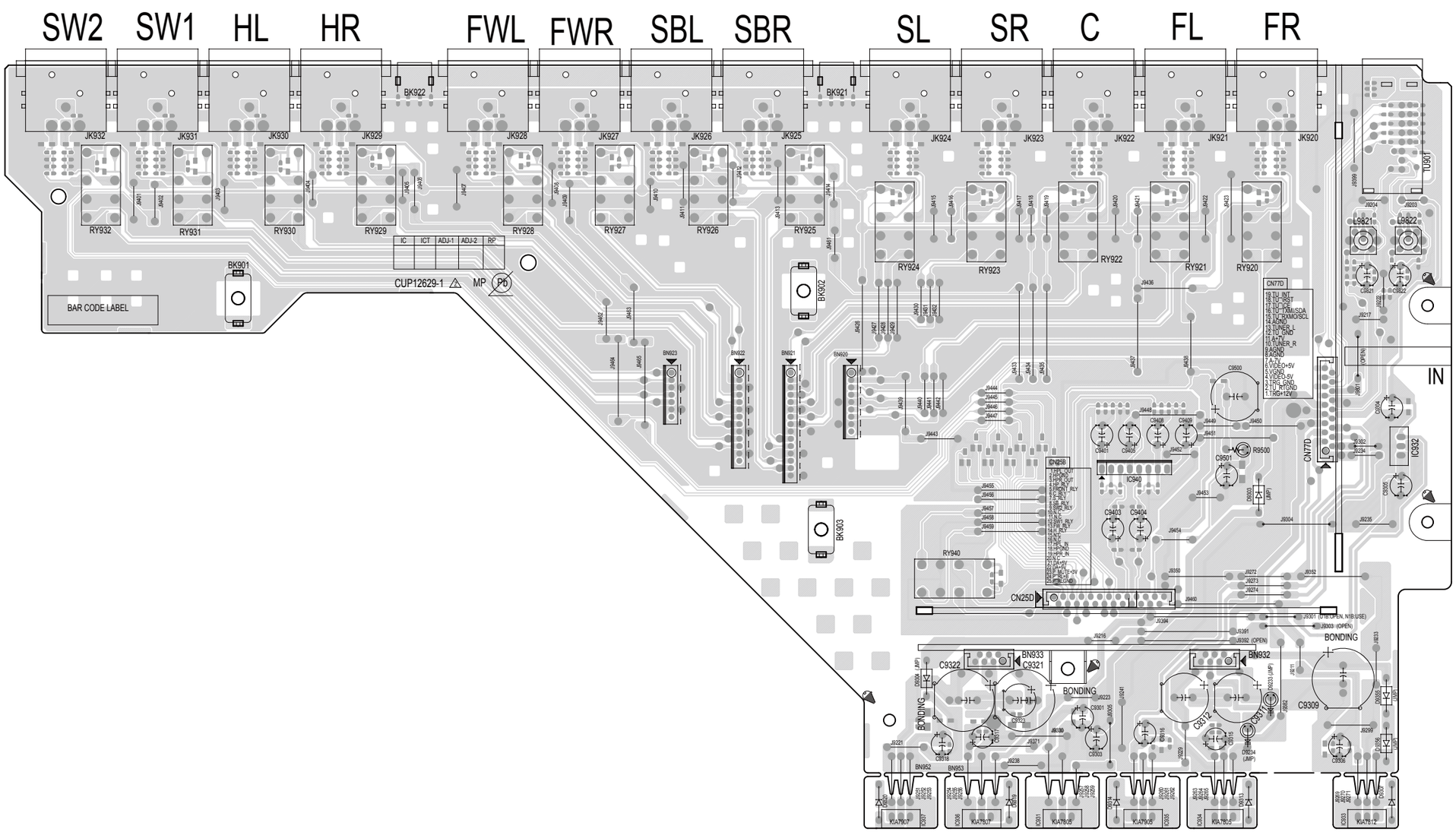
SMPS (A SIDE)



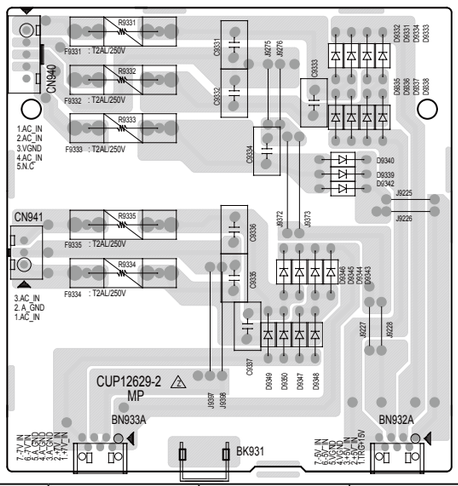
SMPS (B SIDE)



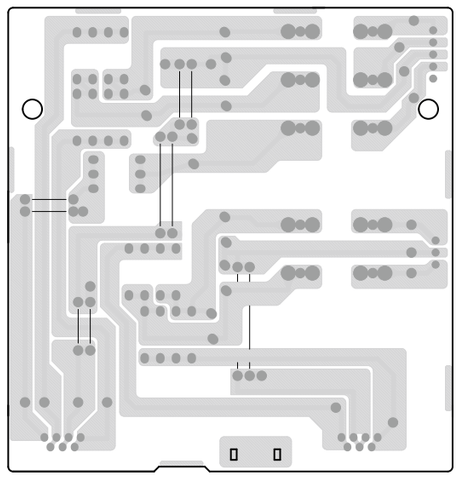
XLR (A SIDE)



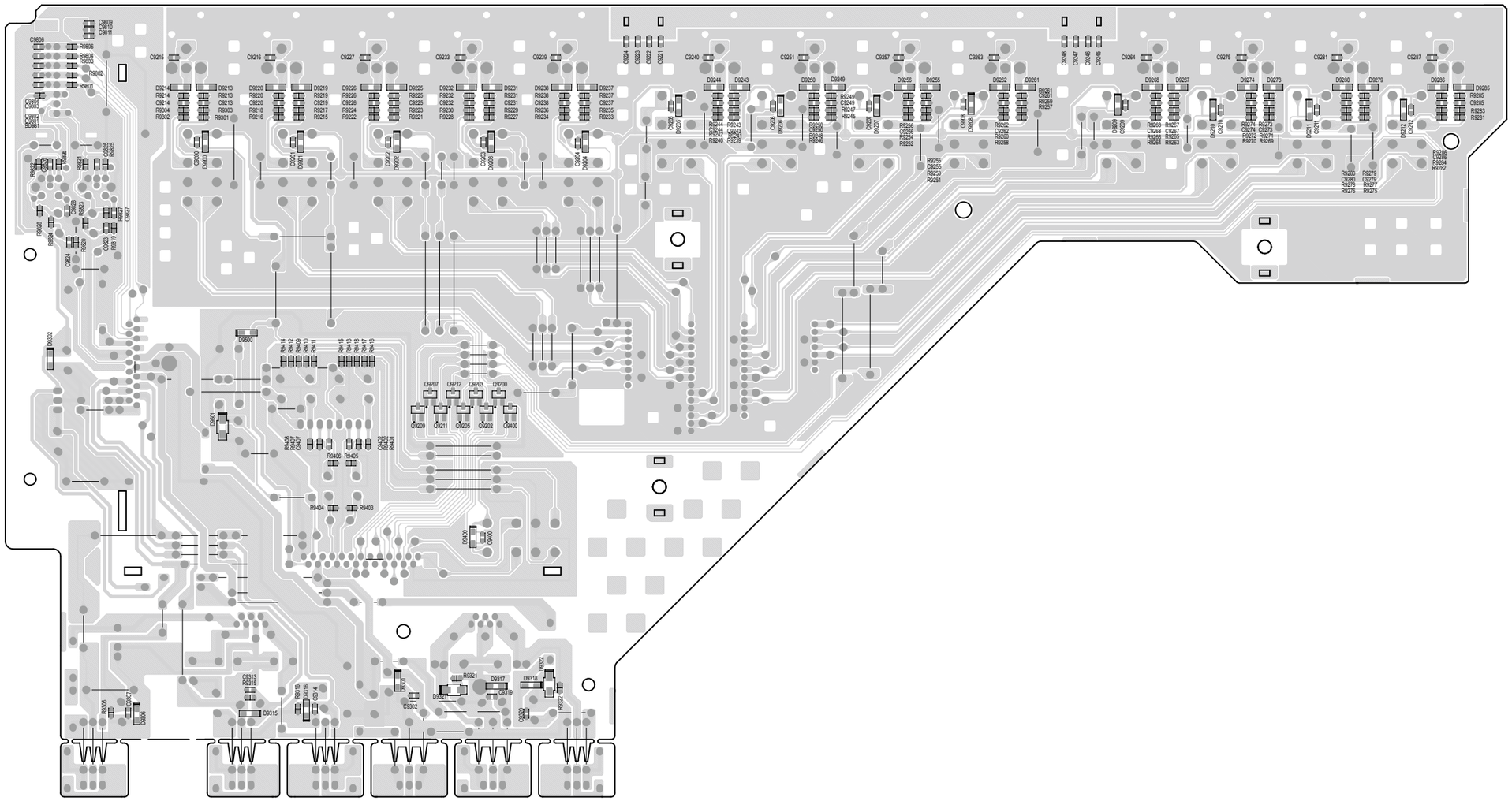
FUSE (A SIDE)

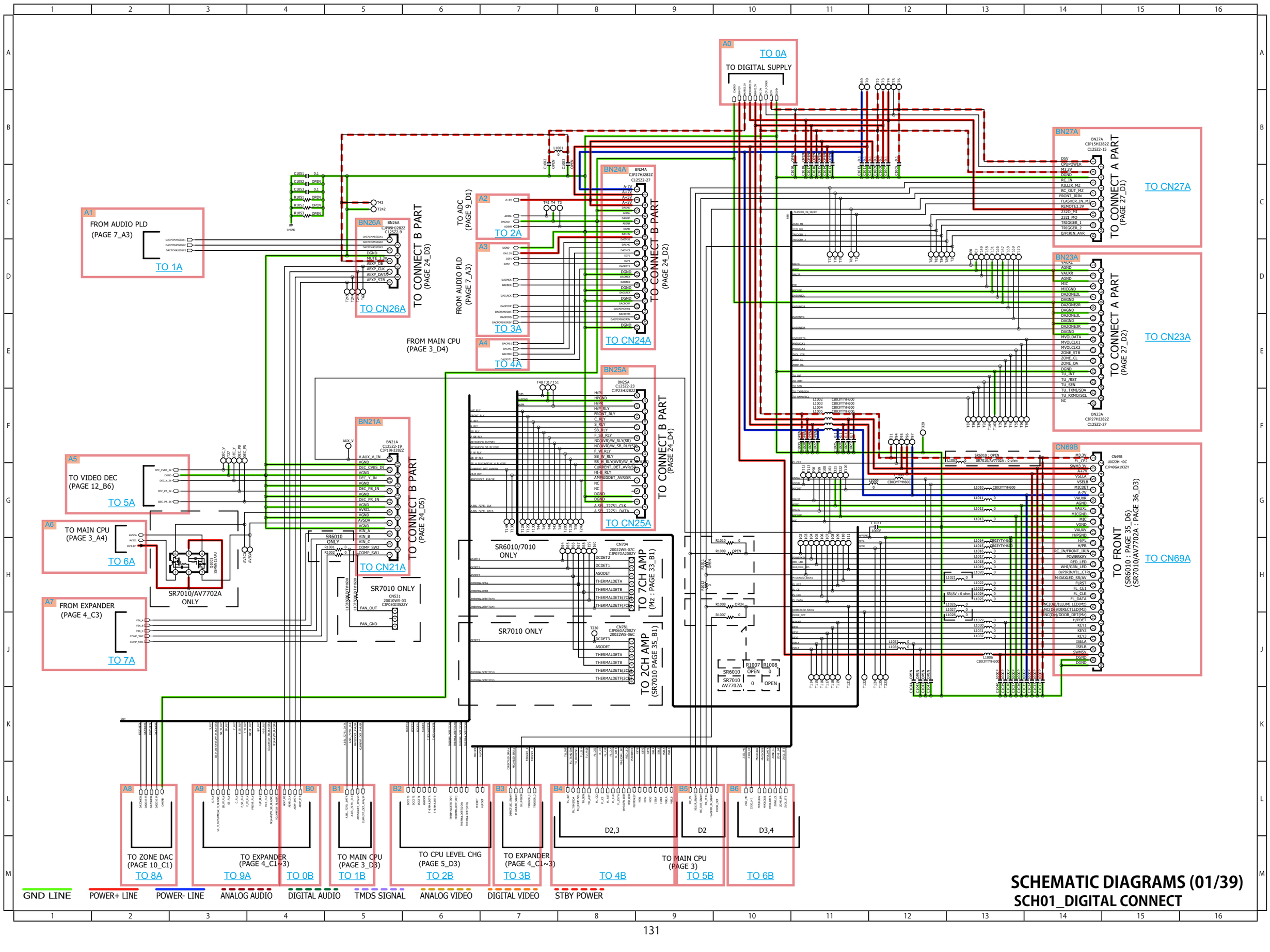


(B SIDE)



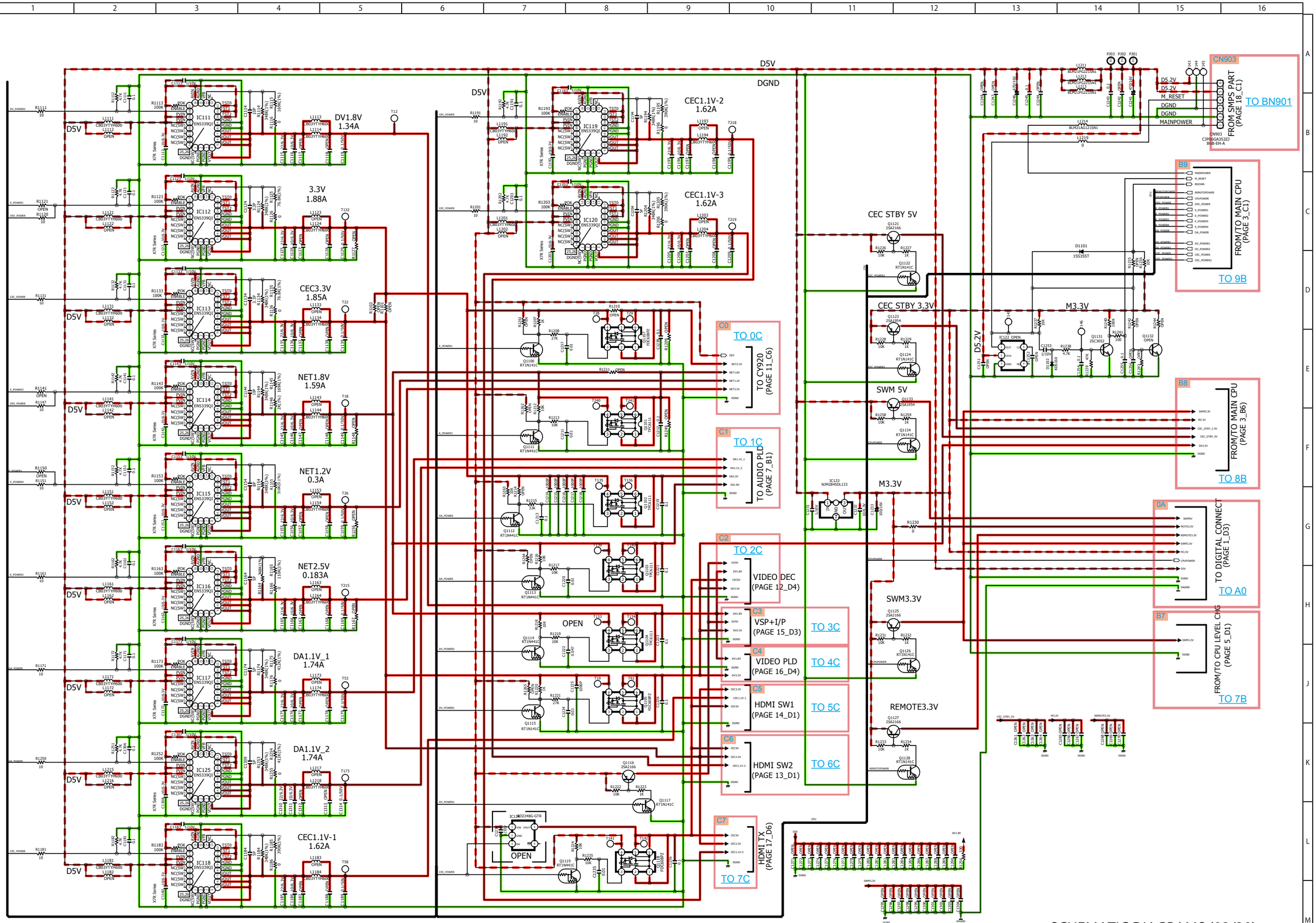
XLR (B SIDE)





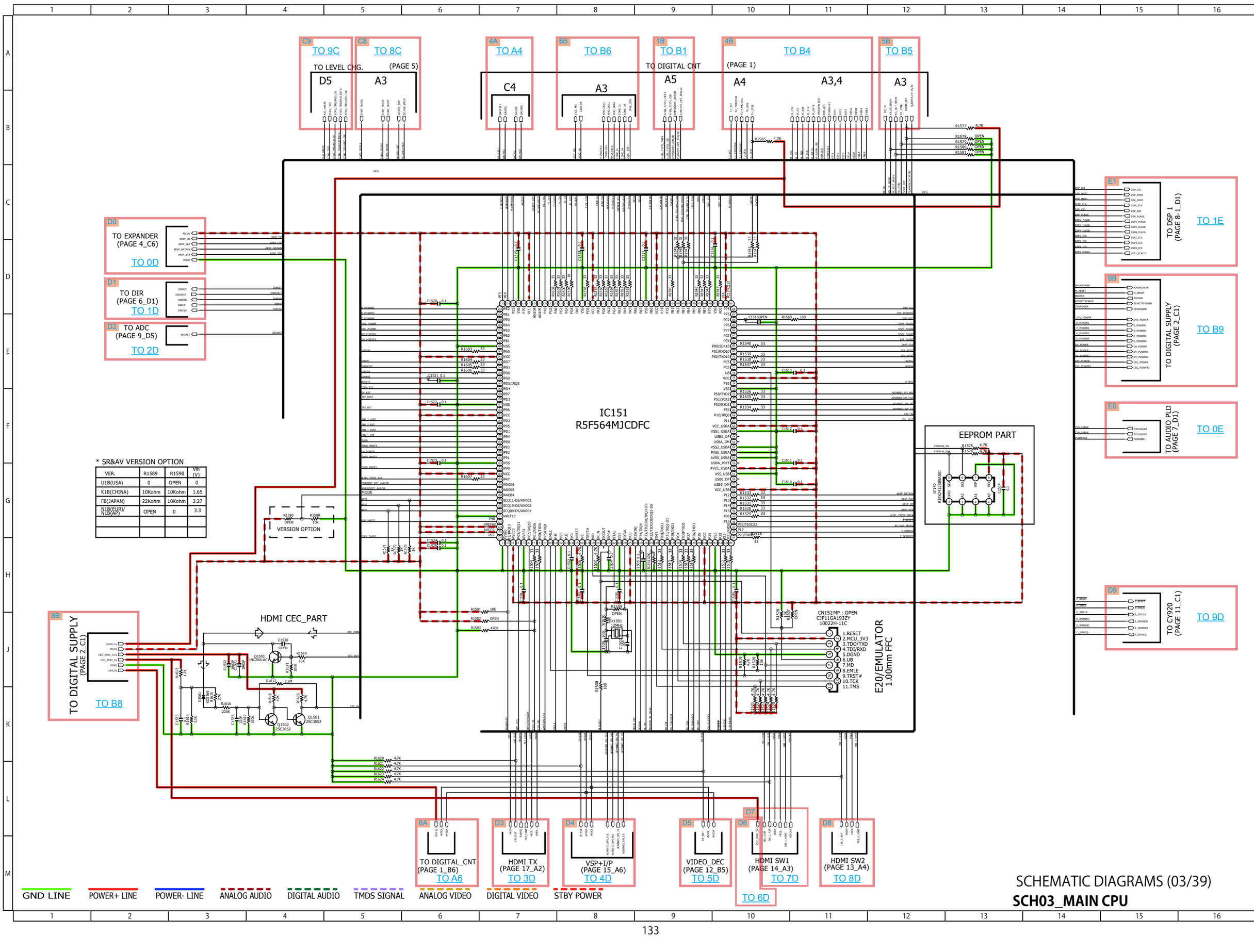
SCHEMATIC DIAGRAMS (01/39)

SCH01_DIGITAL CONNECT



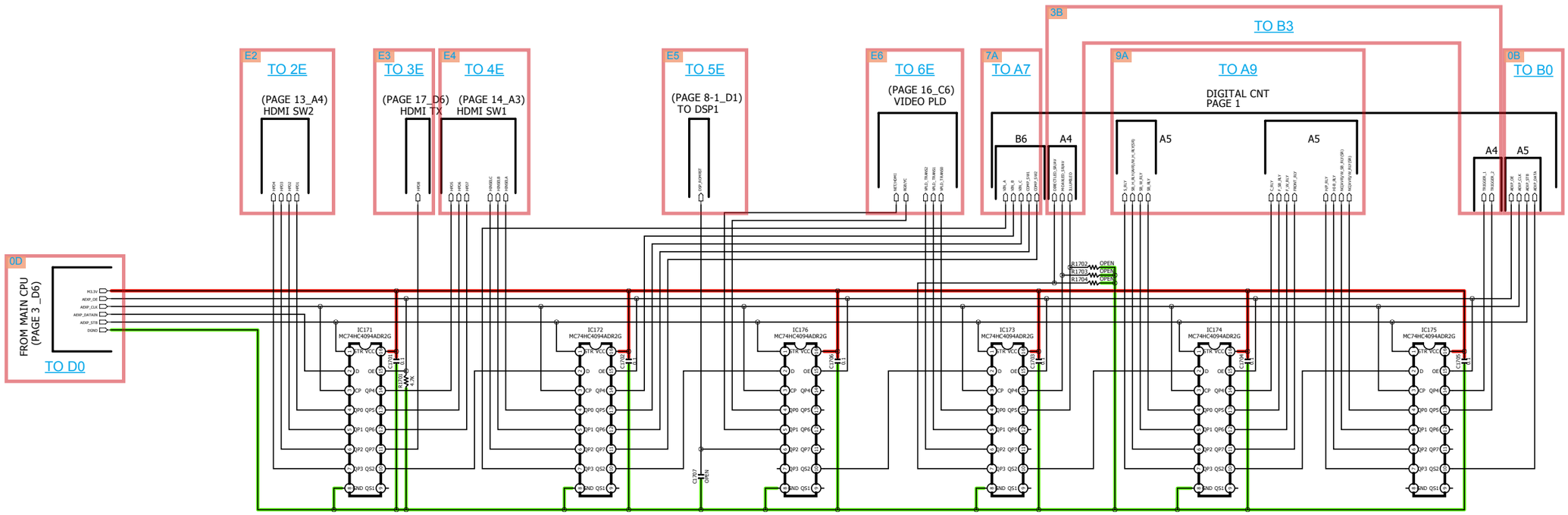
SCHEMATIC DIAGRAMS (02/39)

SCH02_DIGITAL POWER



* SR&AV VERSION OPTION

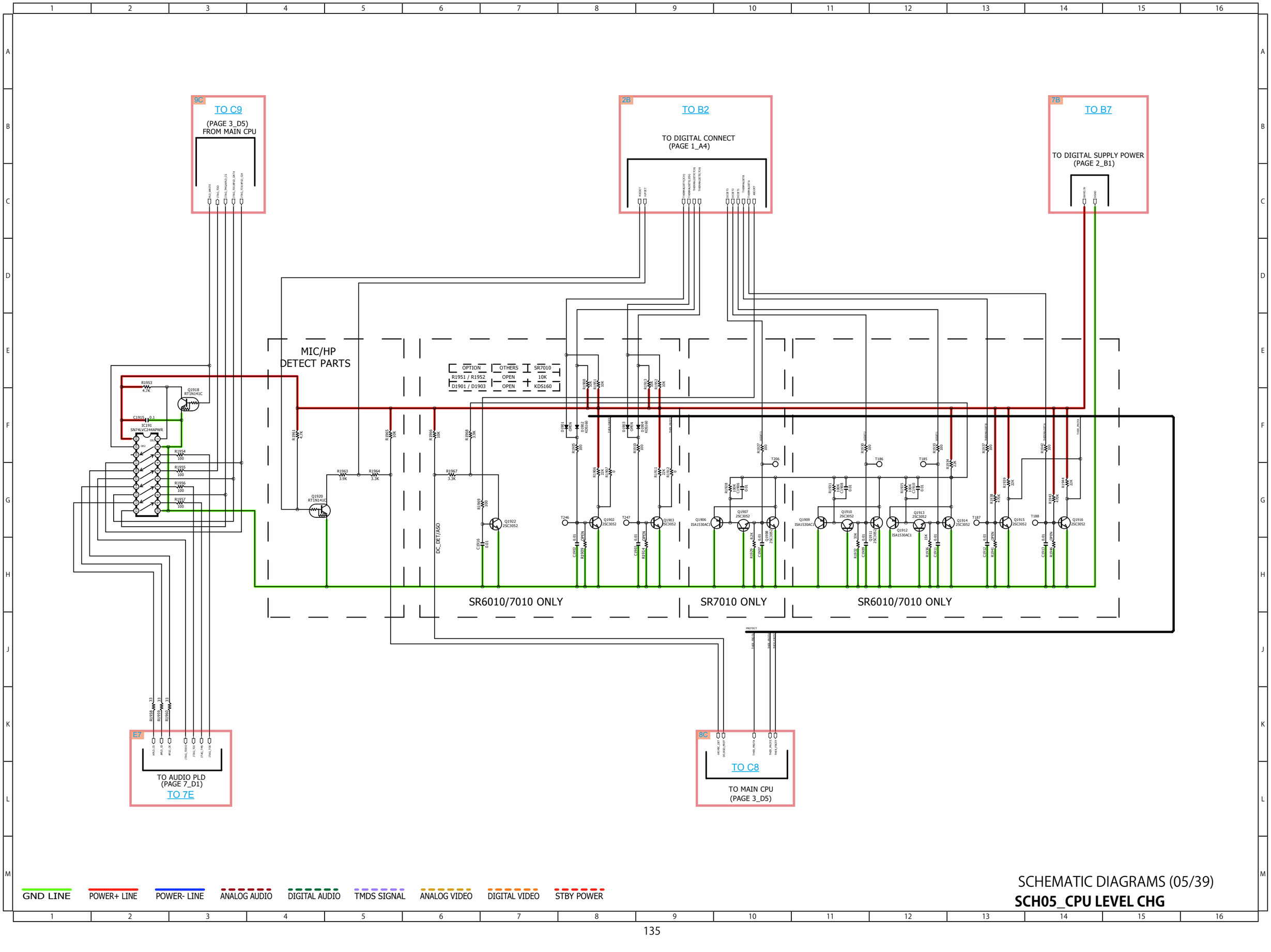
VER.	R1589	R1590	Vin (V)
U1B(USA)	0	OPEN	0
K1B(CHINA)	10Kohm	10Kohm	1.65
FB(JAPAN)	22Kohm	10Kohm	2.27
N1B(EUR)/ N1B(AP)	OPEN	0	3.3



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

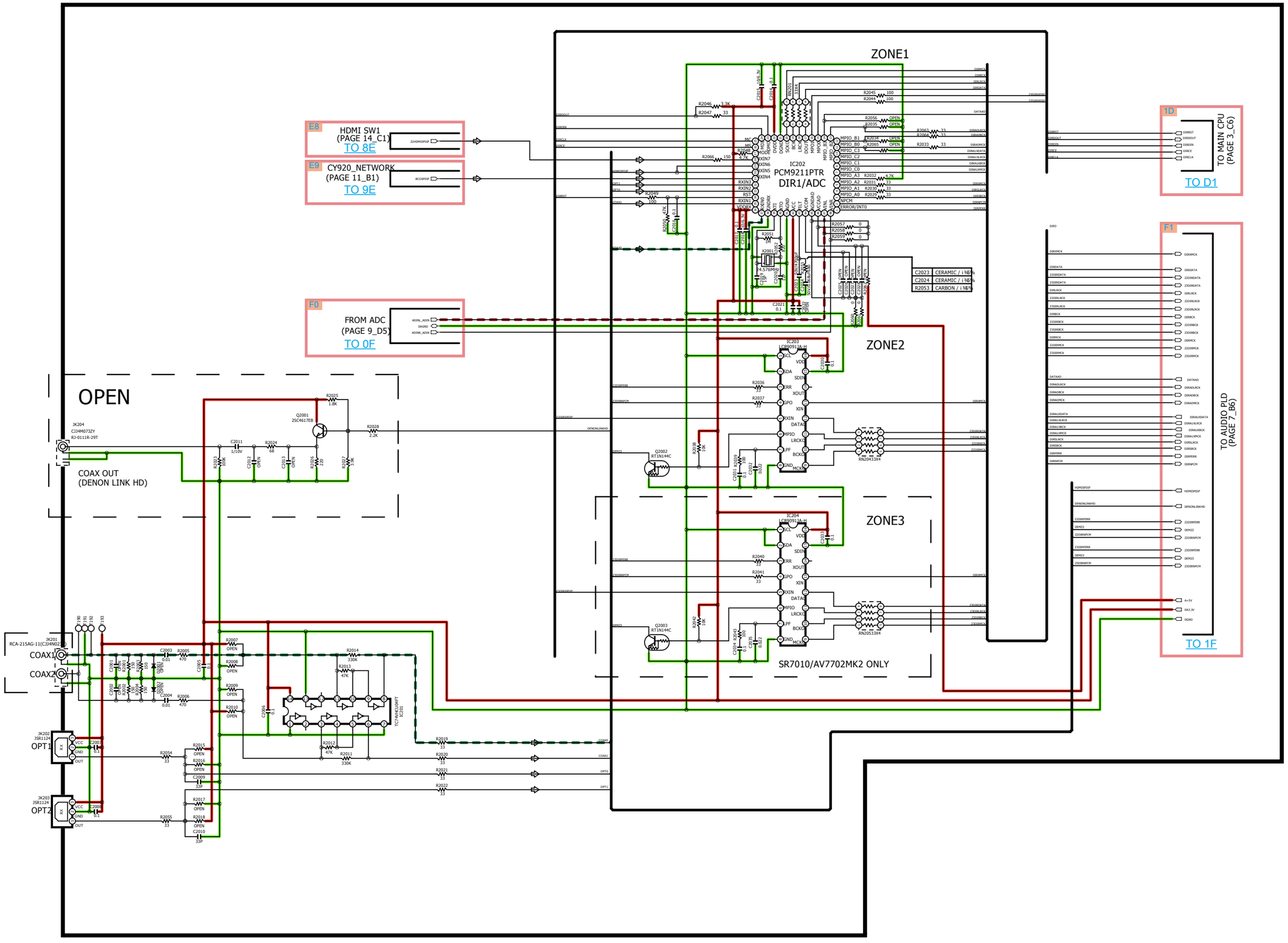
SCHEMATIC DIAGRAMS (04/39)

SCH04_EXPANDER



SCHEMATIC DIAGRAMS (05/39)

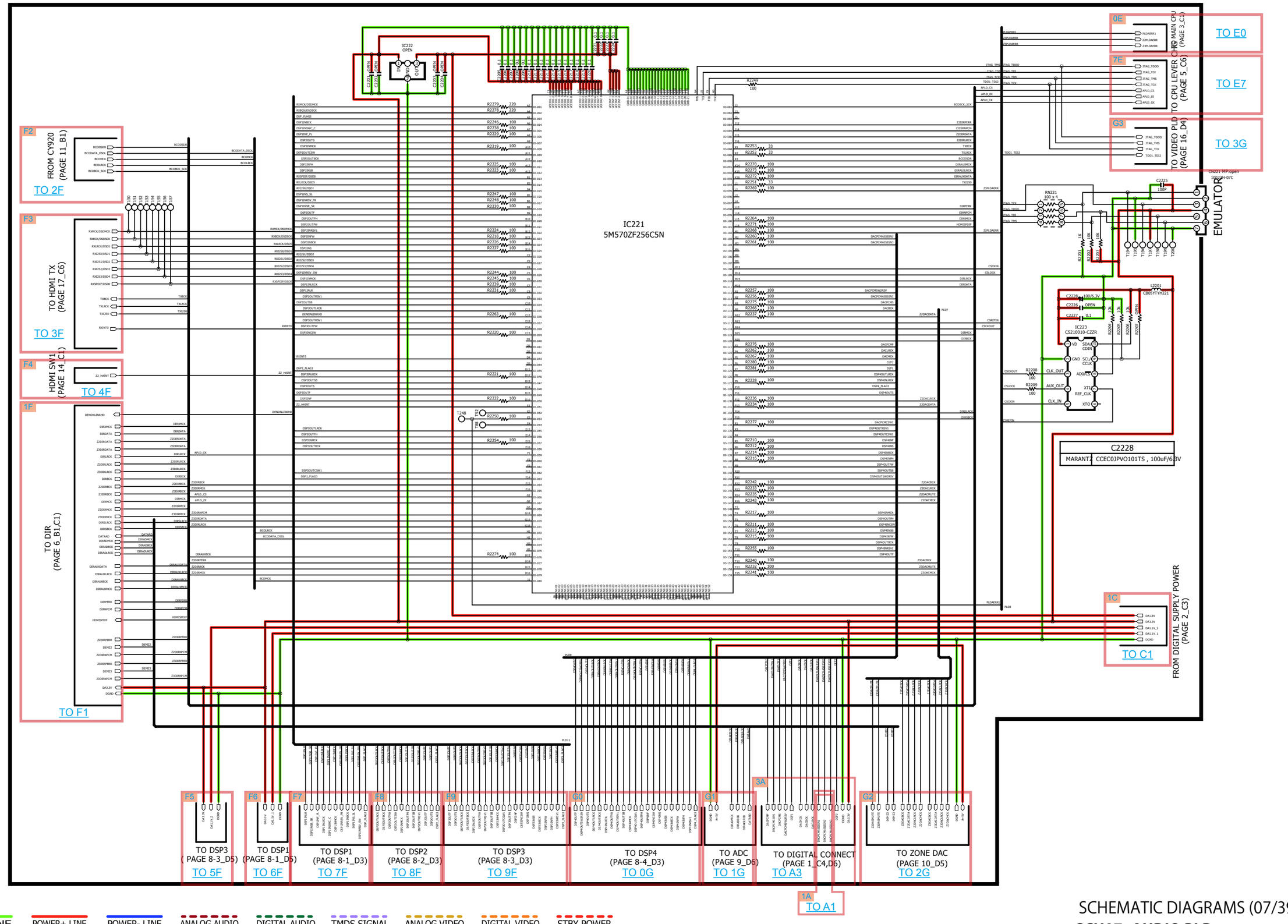
SCH05_CPU LEVEL CHG

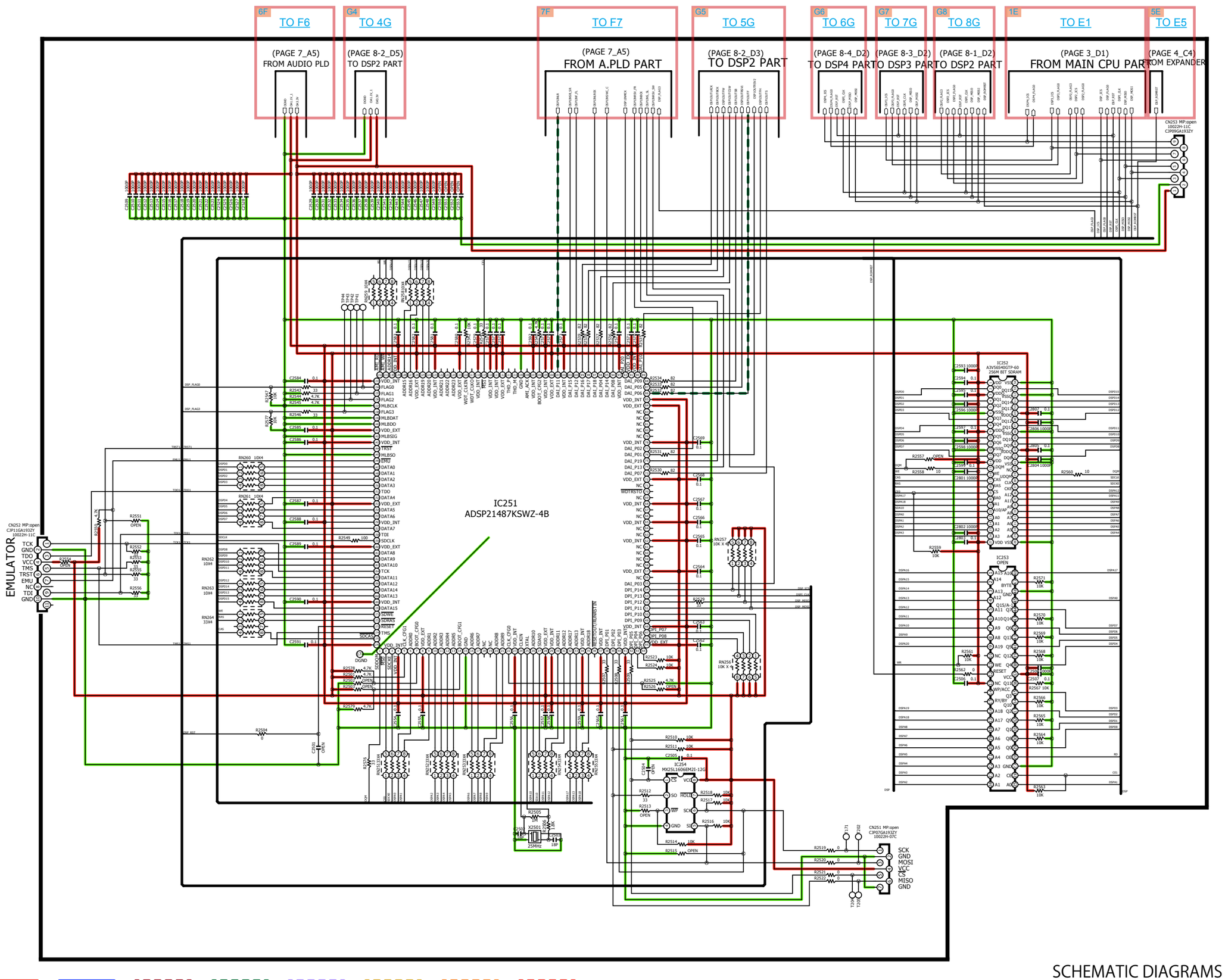


GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (06/39)

SCH06_DIR


IC221
5M570ZF256C5N
IC222
OPEN
IC223
CS210010-CZZR
EMULATOR
CN221 MIP-open
10PIN-07C
C2228
MARANTZ CCEC0JPVO101TS , 100uF/6.3V
TO E0
TO E7
TO 3G
TO VIDEO PLD
(PAGE 16_D4)
TO CPU LEVER CHIP
(PAGE 5_C6)
TO MAIN CPU
(PAGE 3_C1)
FROM CY920
(PAGE 11_B1)
TO 2F
TO HDMI TX
(PAGE 17_C6)
TO 3F
HDMI1 SW1
(PAGE 14_C1)
TO 4F
TO DIR
(PAGE 6_B1,C1)
TO F1
FROM DIGITAL SUPPLY POWER
(PAGE 2_C3)
TO C1
TO DSP3
(PAGE 8-3_D5)
TO 5F
TO DSP1
(PAGE 8-1_D5)
TO 6F
TO DSP1
(PAGE 8-1_D3)
TO 7F
TO DSP2
(PAGE 8-2_D3)
TO 8F
TO DSP3
(PAGE 8-3_D3)
TO 9F
TO DSP4
(PAGE 8-4_D3)
TO 0G
TO ADC
(PAGE 9_D6)
TO 1G
TO DIGITAL CONNECT
(PAGE 1_C4,D6)
TO A3
TO ZONE DAC
(PAGE 10_D5)
TO 2G
TO A1
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER
SCHEMATIC DIAGRAMS (07/39)
SCH07_AUDIO PLD


6F
TO F6
G4
TO 4G
7F
TO F7
G5
TO 5G
G6
TO 6G
G7
TO 7G
G8
TO 8G
1E
TO E1
5E
TO E5
(PAGE 7_A5)
FROM AUDIO PLD
(PAGE 8-2_D5)
TO DSP2 PART
(PAGE 7_A5)
FROM A.PLD PART
(PAGE 8-2_D3)
TO DSP2 PART
(PAGE 8-4_D2)
TO DSP4 PART
(PAGE 8-3_D2)
TO DSP3 PART
(PAGE 8-1_D2)
TO DSP2 PART
(PAGE 3_D1)
FROM MAIN CPU PART
(PAGE 4_C4)
FROM EXPANDER
IC251
ADSP21487KSWZ-4B
IC252
A3V64S40GTP-6G
256M BIT SDRAM
IC254
MX25L16066EM2I-12G
EMULATOR
CN252 MP:open
CJP11GA193ZY
10022H-11C
CN253 MP:open
10022H-11C
CJP096A1932Y
CN251 MP:open
CJP07GA193ZY
10022H-07C
SCK
GND
MOSI
VCC
CS
MISO
GND
X2501
25MHz
SCHEMATIC DIAGRAMS (08/39)
SCH08_DSP1
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER

4G TO G4
5G TO G5
8F TO F8
8G TO G8

(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

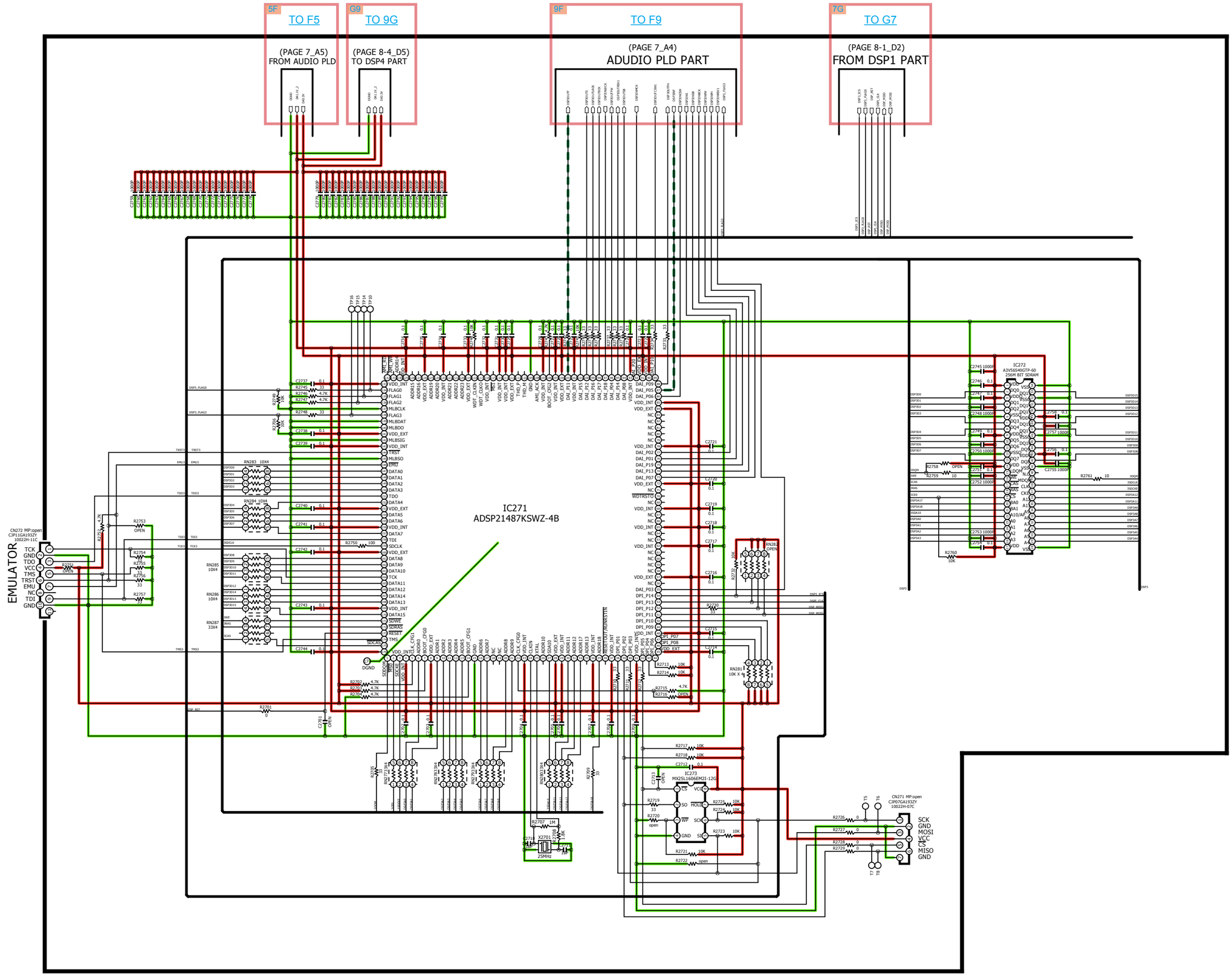
CN261 MP:open
CJP07GA193ZY
10022H-07C
SCK
GND
MOSI
VCC
CS
MISO
GND

X2601
25MHz

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

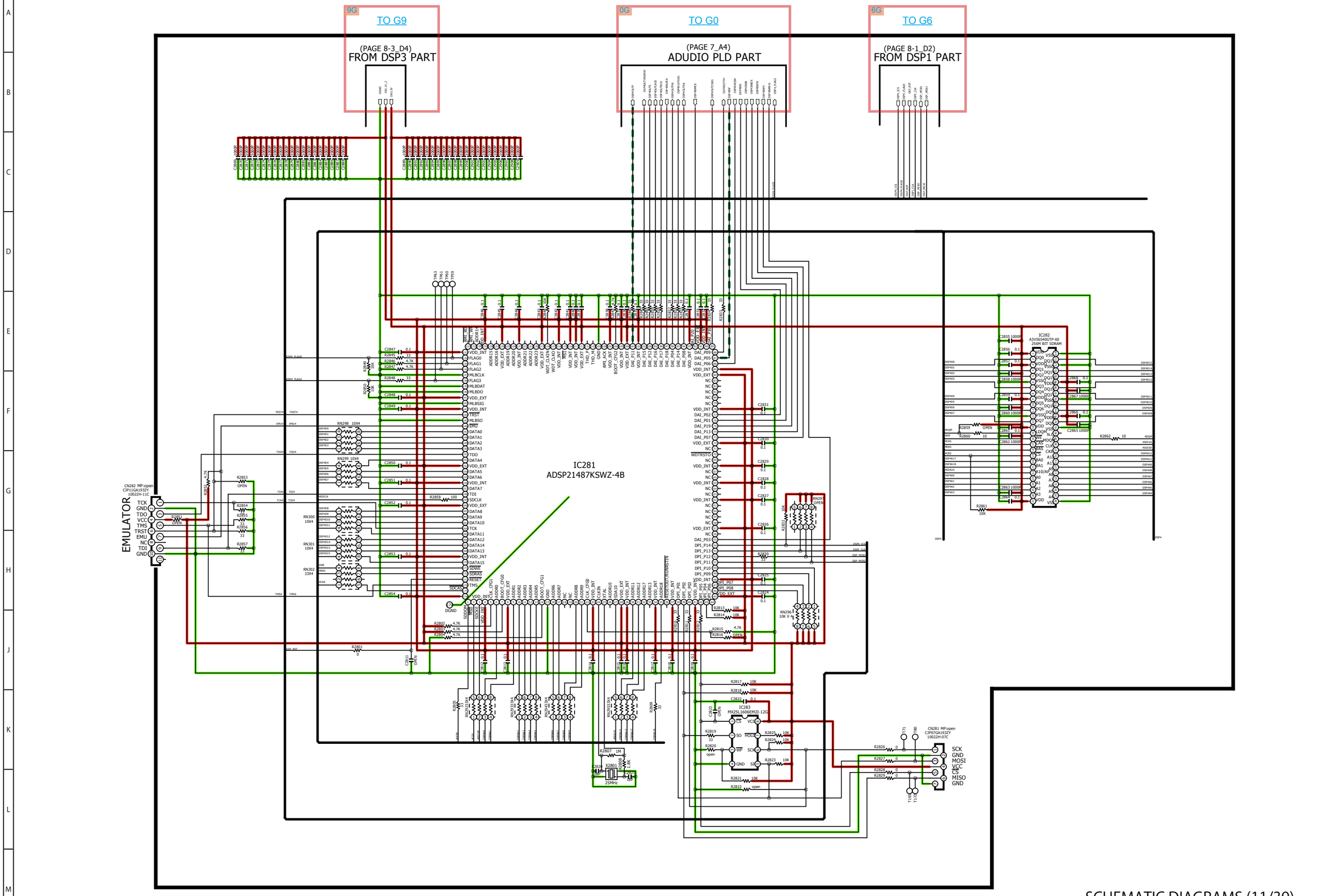
SCHEMATIC DIAGRAMS (09/39)

SCH09_DSP2



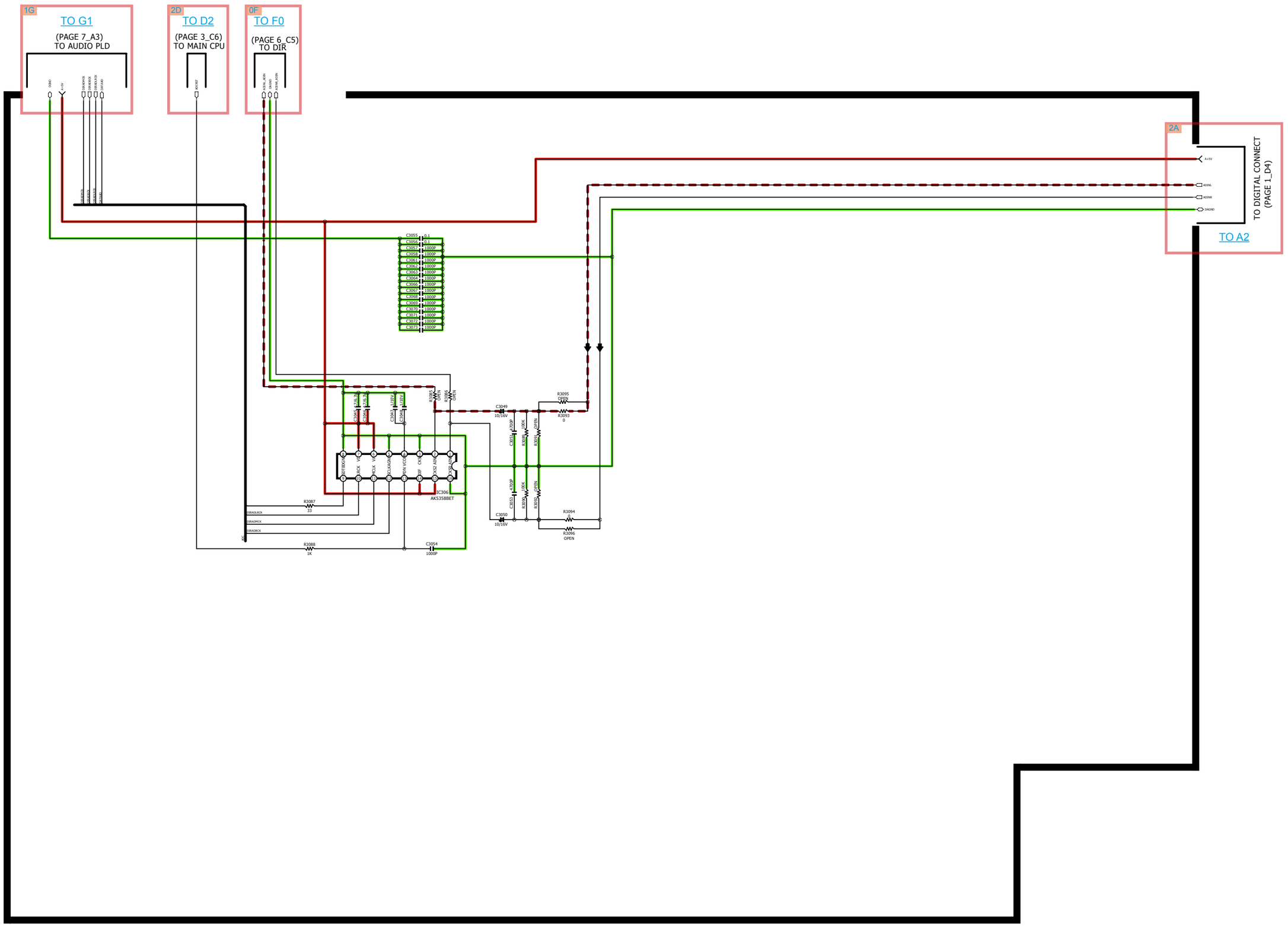
SCHEMATIC DIAGRAMS (10/39)

SCH10_DSP3



SCHEMATIC DIAGRAMS (11/39)

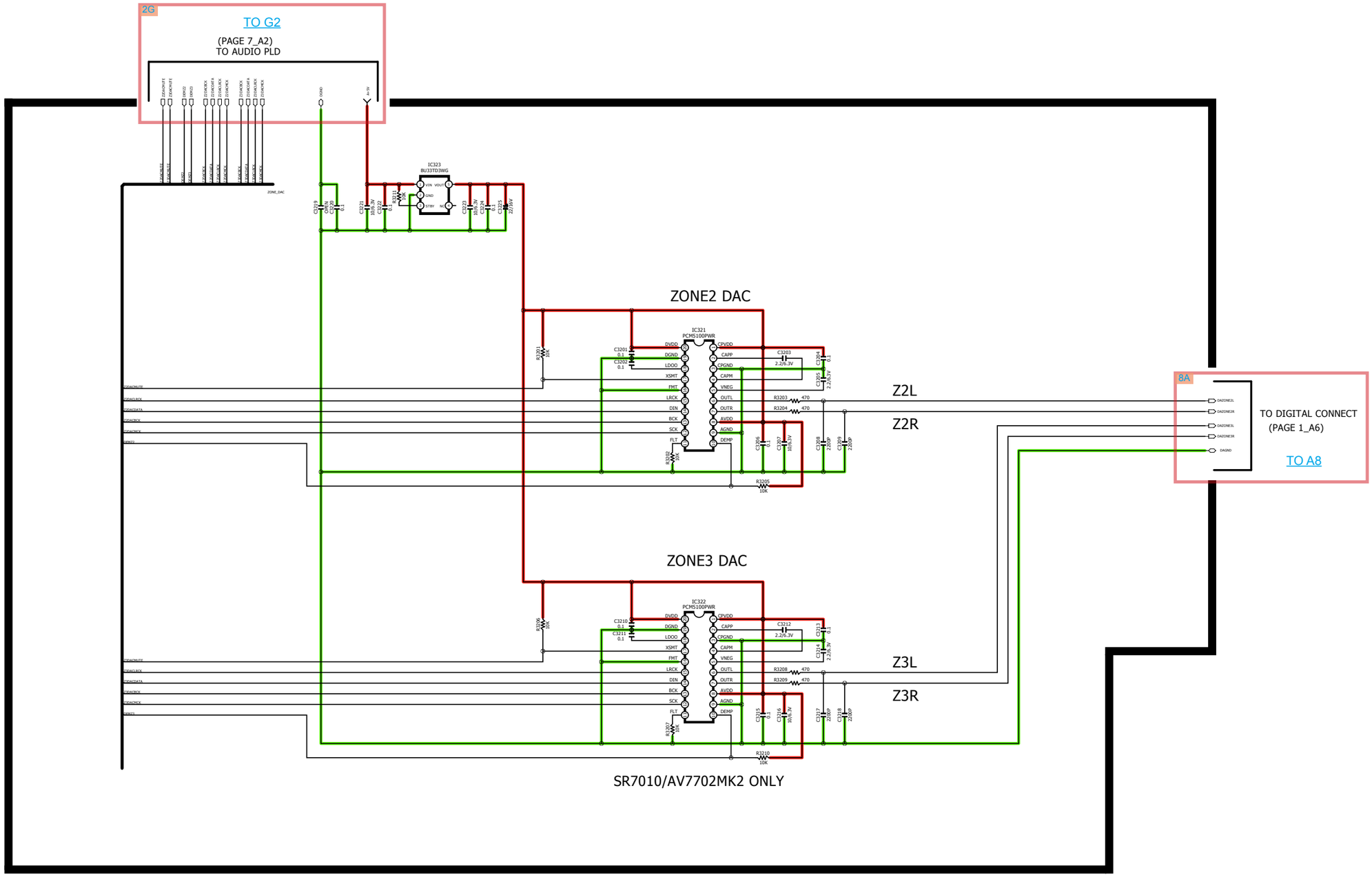
SCH11_DSP4



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

SCHEMATIC DIAGRAMS (12/39)

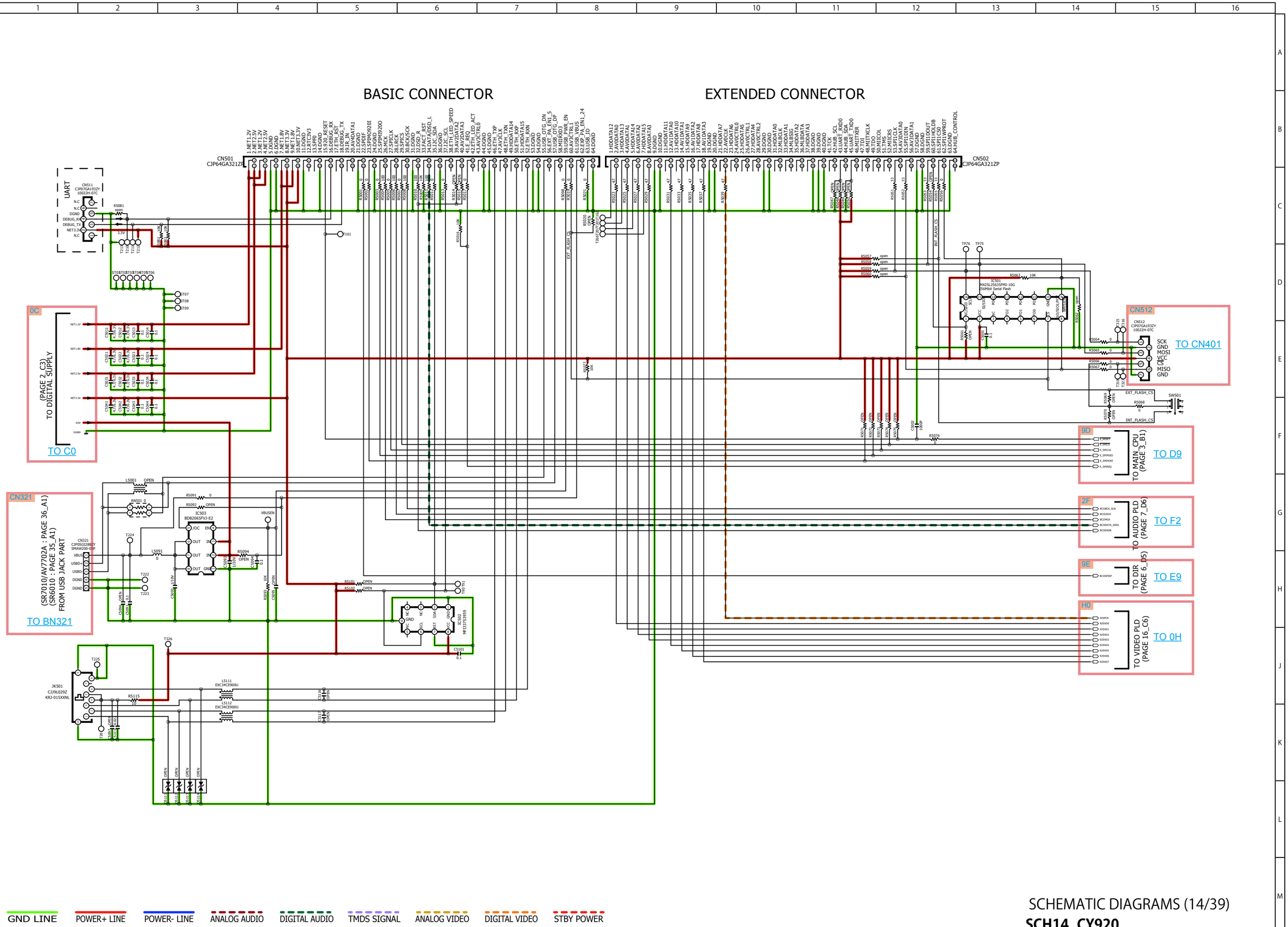
SCH12_ADC



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

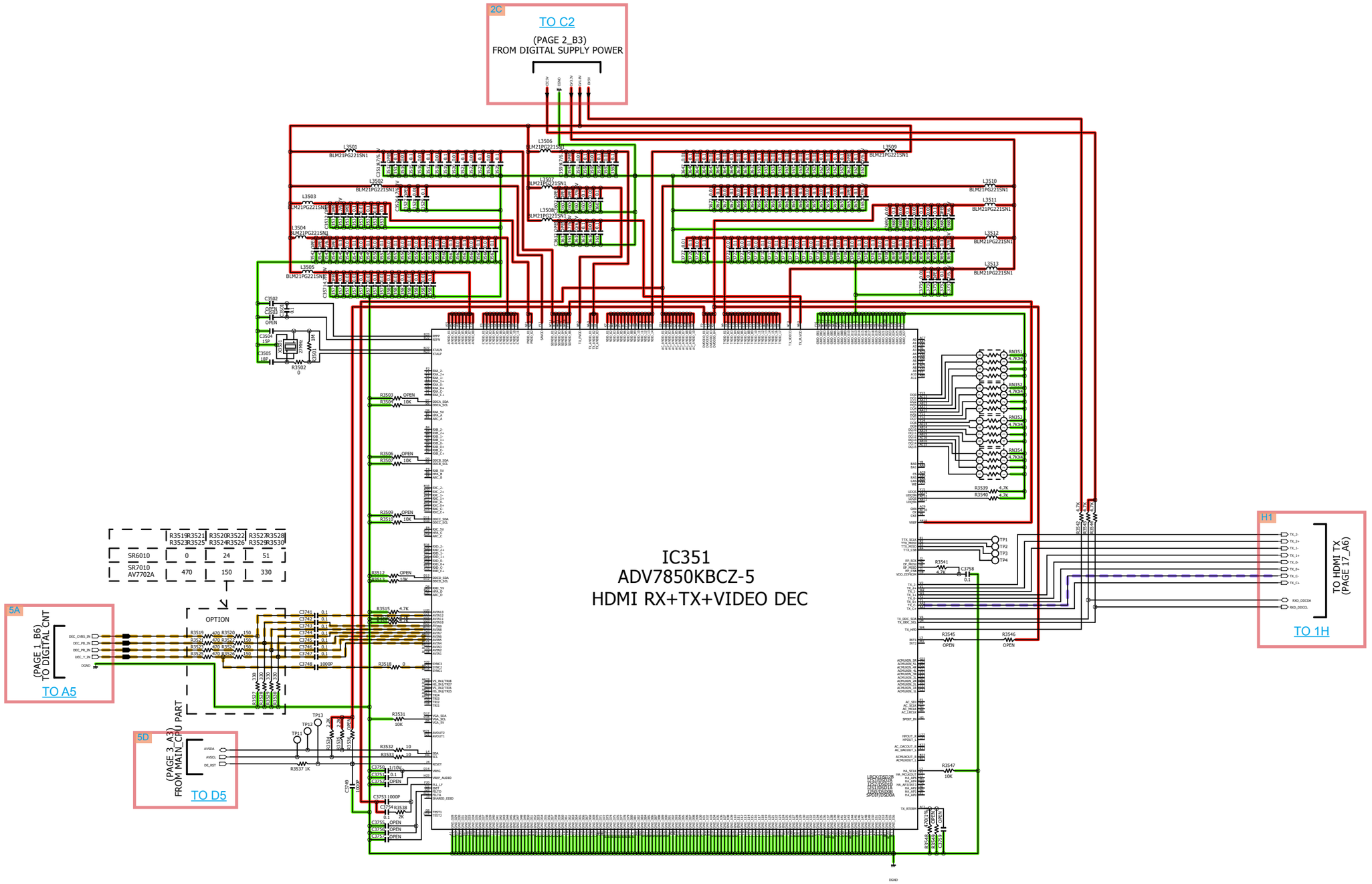
SCHEMATIC DIAGRAMS (13/39)

SCH13_ZONE DAC



SCHEMATIC DIAGRAMS (14/39)

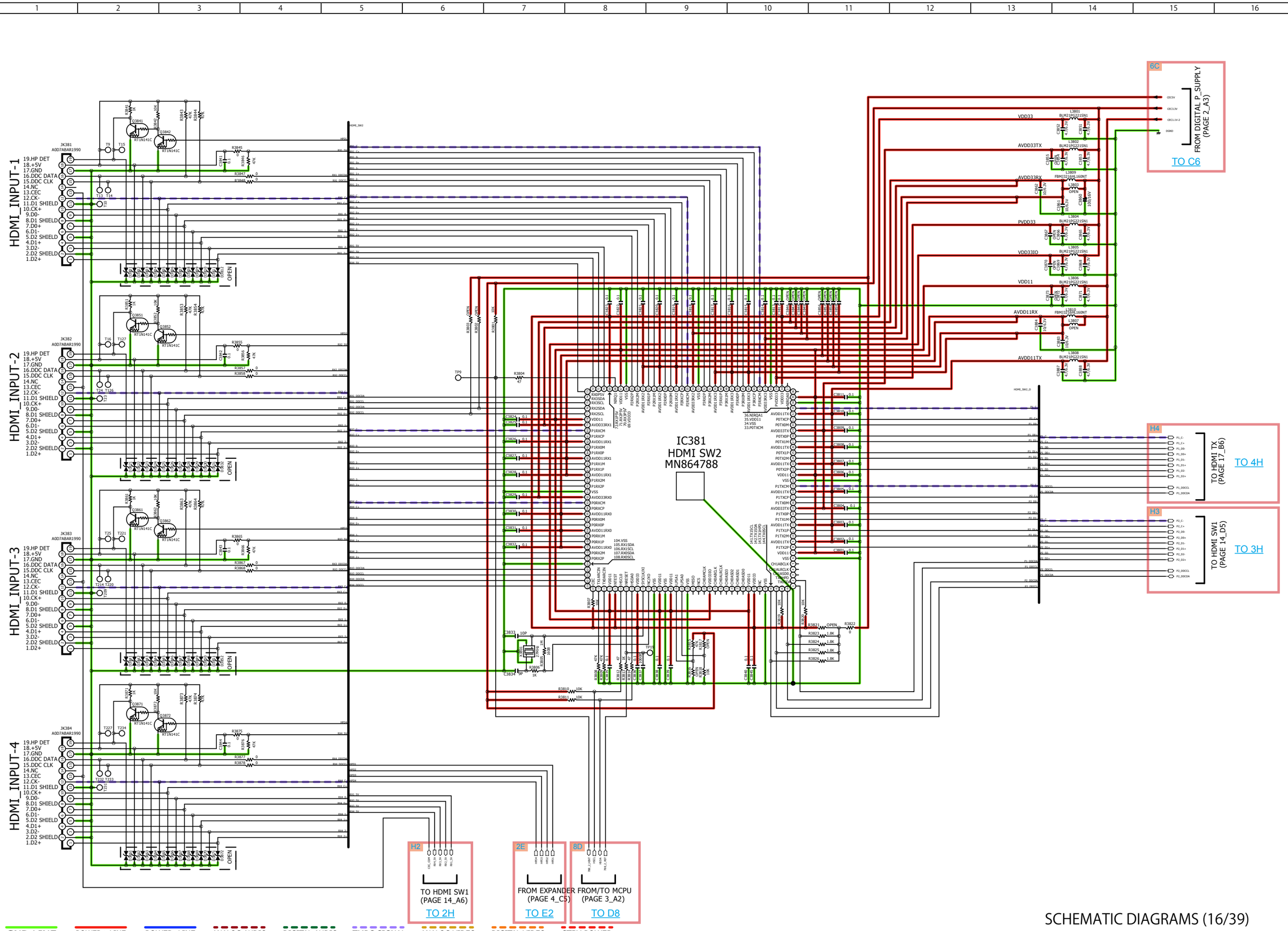
SCH14_CY920



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

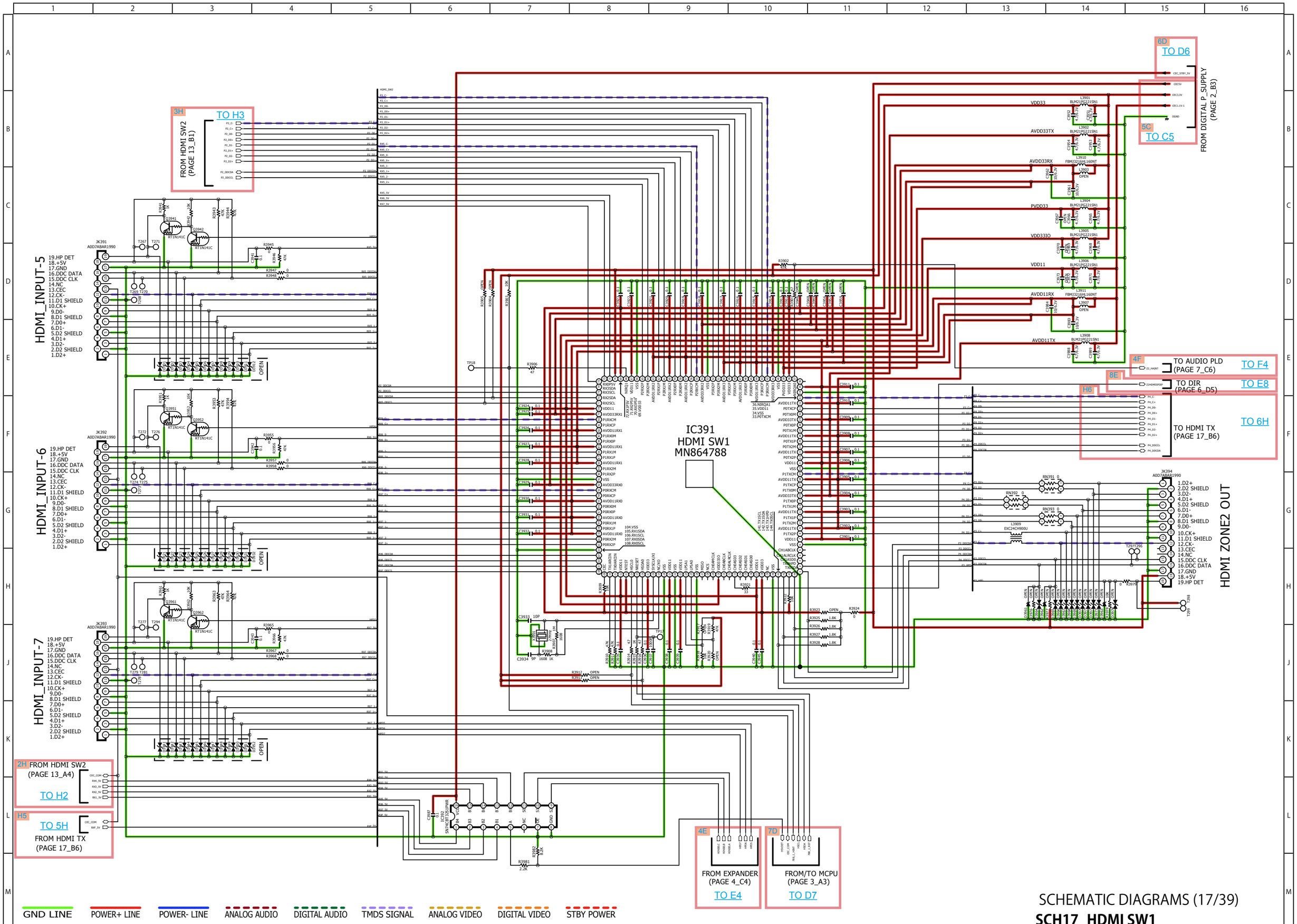
SCHEMATIC DIAGRAMS (15/39)

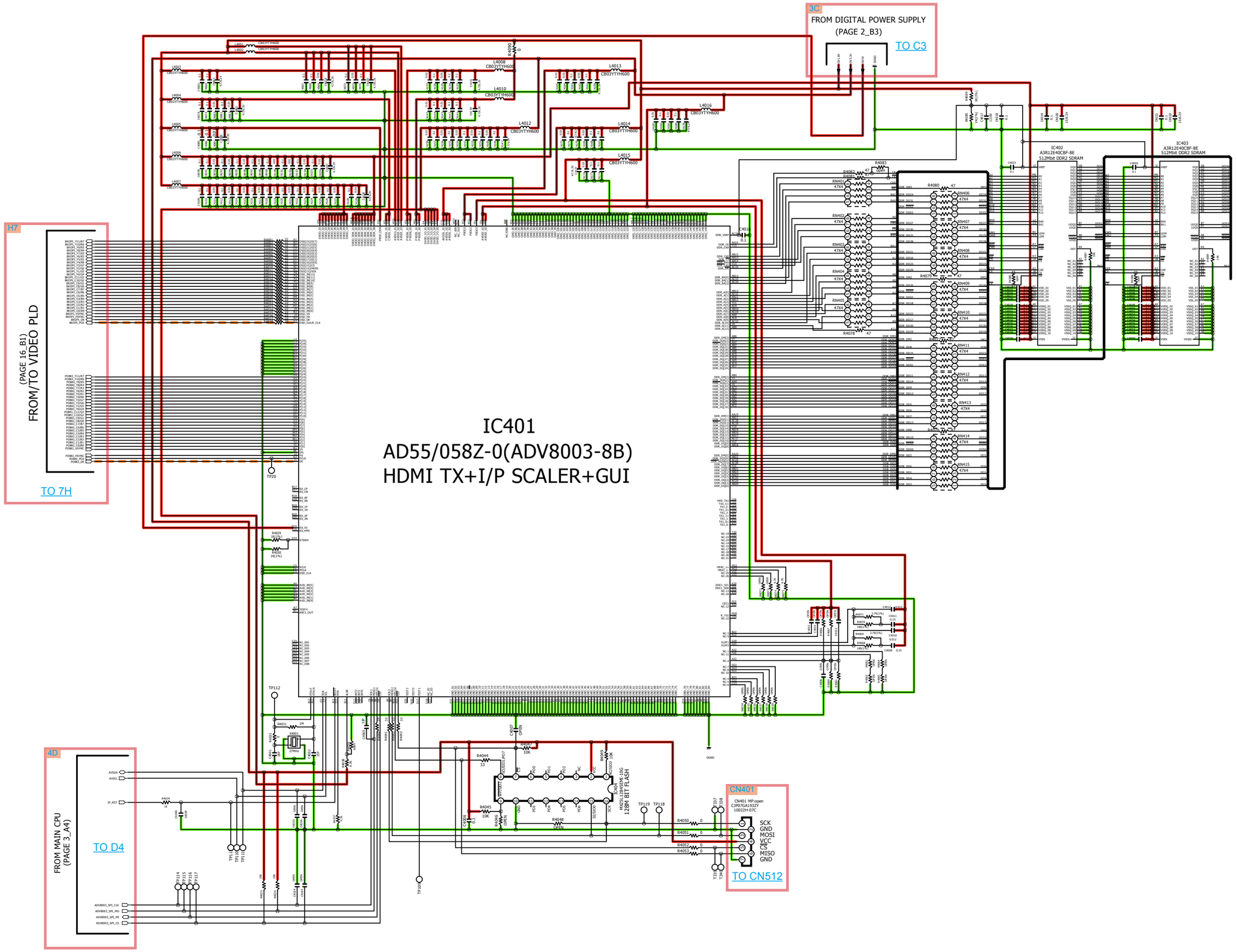
SCH15_VIDEO DECODER



SCHEMATIC DIAGRAMS (16/39)

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
3H TO H3
FROM HDMI SW2 (PAGE 13_B1)
2H FROM HDMI SW2 (PAGE 13_A4)
TO H2
H5 TO 5H
FROM HDMI TX (PAGE 17_B6)
IC391
HDMI SW1
MN864788
6D TO D6
FROM DIGITAL P_SUPPLY (PAGE 2_B3)
5C TO C5
4F TO AUDIO PLD (PAGE 7_C6) TO F4
8E TO DIR (PAGE 6_D5) TO E8
H6 TO HDMI TX (PAGE 17_B6) TO 6H
4E FROM EXPANDER (PAGE 4_C4) TO E4
7D FROM/TO MCPU (PAGE 3_A3) TO D7
HDMI ZONE2 OUT
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER
SCHEMATIC DIAGRAMS (17/39)
SCH17_HDMI SW1



SCHEMATIC DIAGRAMS (18/39)

SCH18_VSP & IP & OSD

4C
TO C4

(PAGE 2_B3)
FROM DIGITAL POWER

3G
TO G3

(PAGE 7_D1)
TO AUDIO PLD

6E
FROM EXPANDER
(PAGE 4_C3)
TO E6

0H
FROM CY920
(PAGE 11_B1)
TO H0

IC421
EPM570F256C4N

7H
TO H7

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

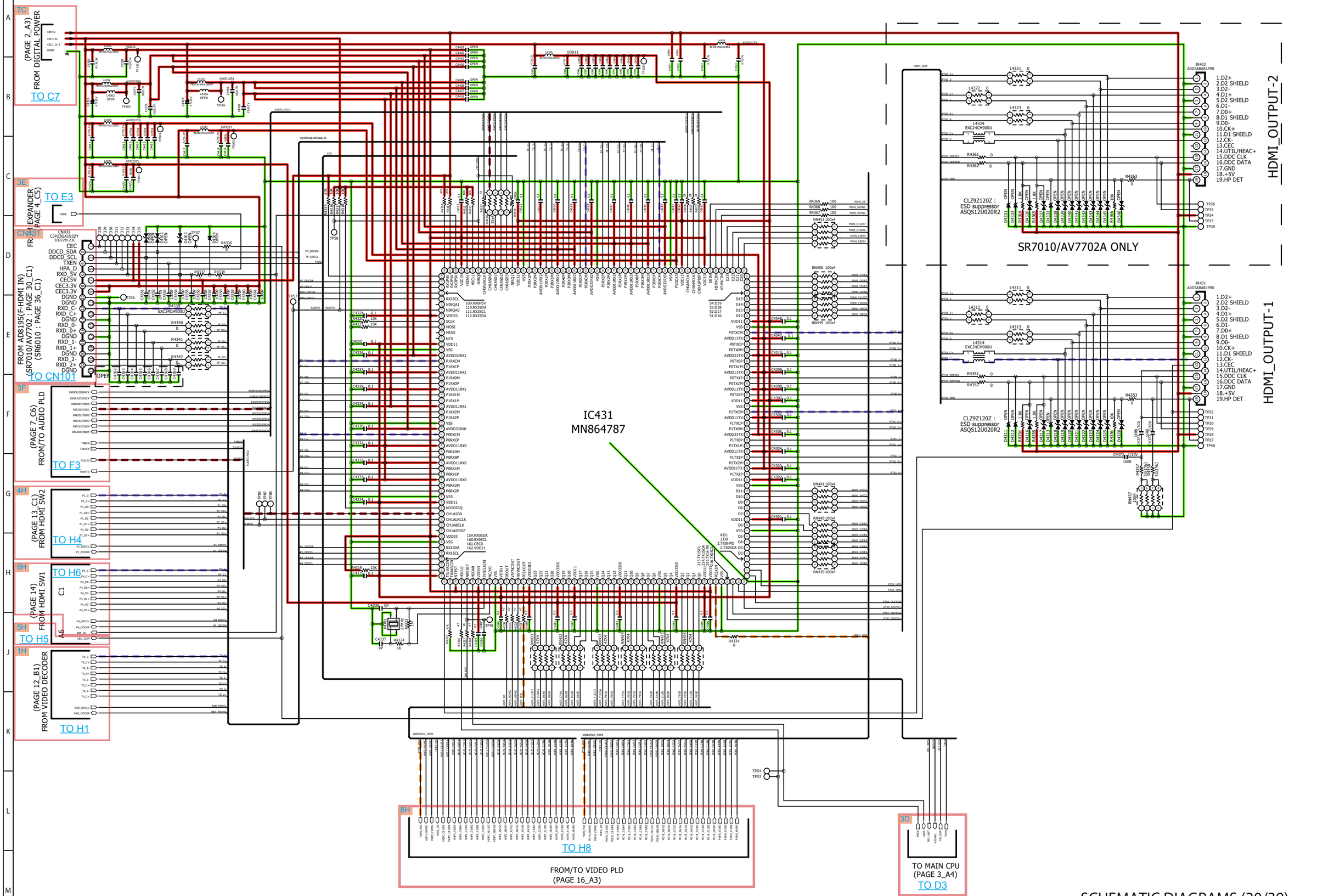
H8
TO 8H

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

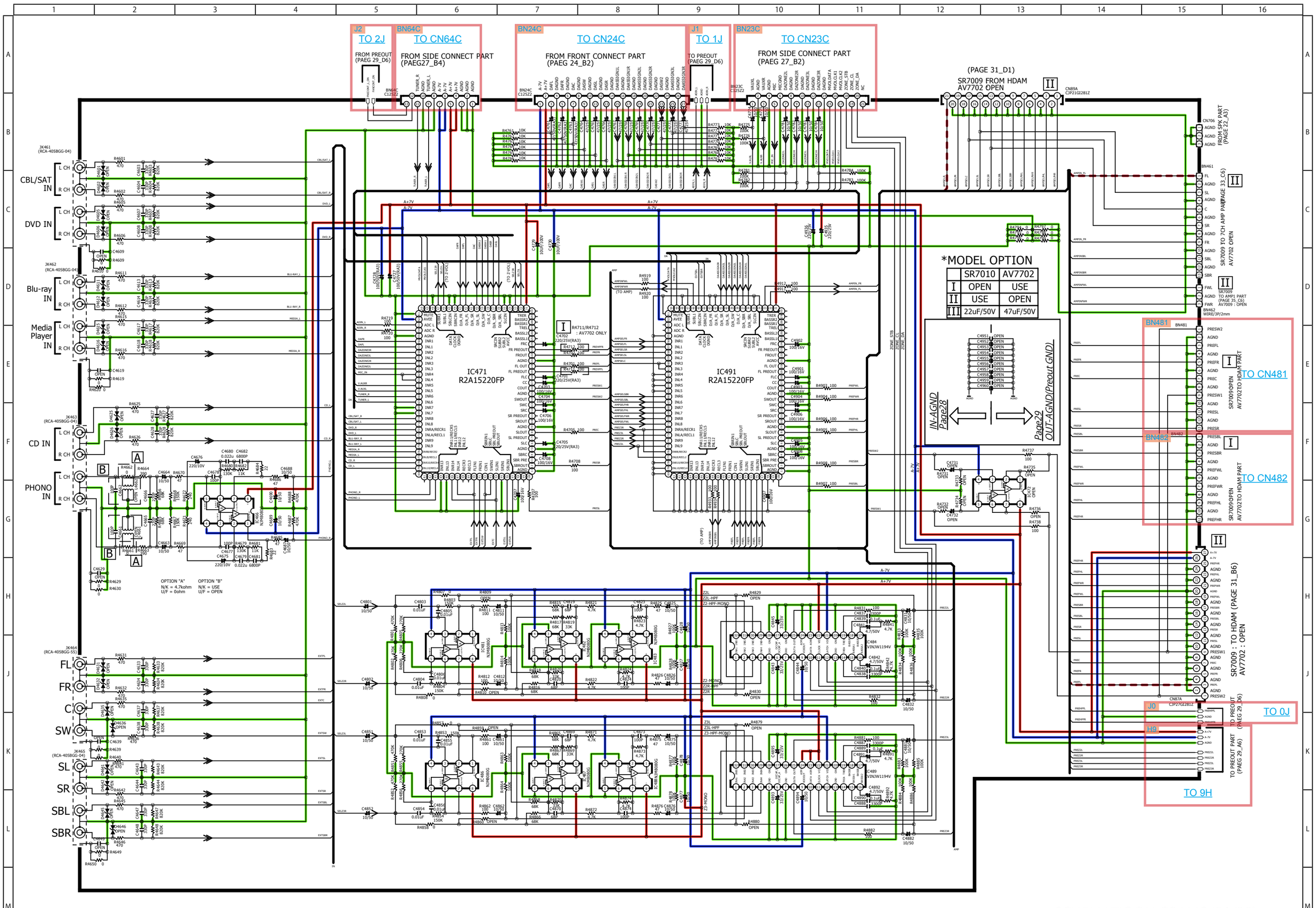
SCHEMATIC DIAGRAMS (19/39)

SCH19_VIDEO PLD



SCHEMATIC DIAGRAMS (20/39)

SCH20_HDMI TX & SCALER



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

SCHEMATIC DIAGRAMS (21/39)

SCH21_INPUT

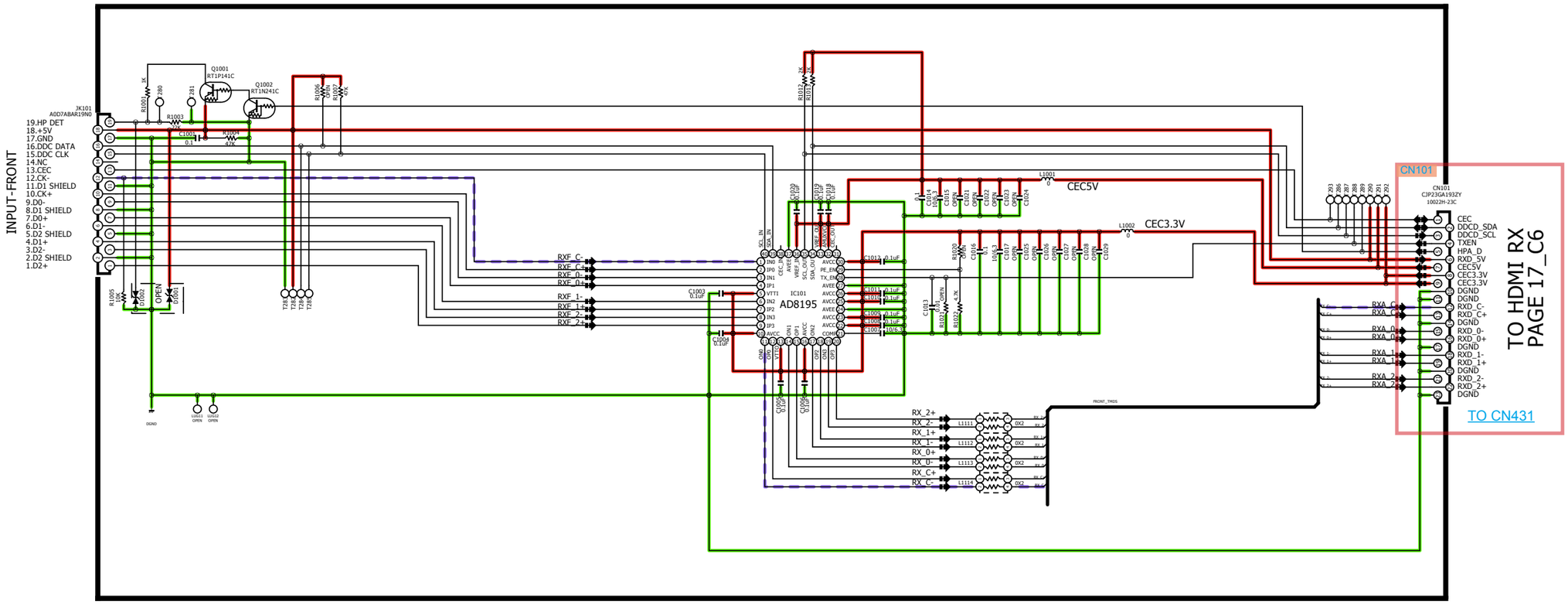
*MODEL OPTION

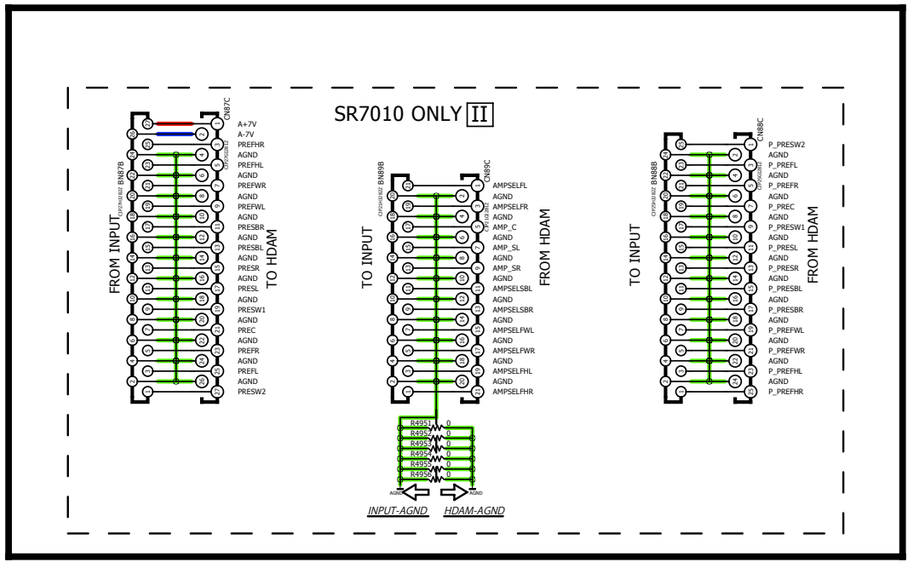
	SR7010	AV7702
I	OPEN	USE
II	USE	OPEN
III	22uF/50V	47uF/25V(ROA)

FROM INPUT (PAEG 28_D3)
TO J1
FROM FRONT CONNECT (PAEG 24_B3)
TO CN26C
TO INPUT (PAEG 28_D5)
TO J2
TO INPUT (PAEG 28_A1)
TO J0
SR7009 : FROM HDAM (PAGE 31_B1)
AV7702 : OPEN
TO CN483
TO CN484
FROM INPUT (PAEG 28_A1)
PREOUT PART
TO H9
IN-AGND
OUT-AGND(Preout GND)
JK891 (RCA-405BGG-04) Z2L Z2R Z3L Z3R
JK871 (RCA-405BGG-55) FL FR C SW
JK875 (RCA-405BGG-04) SL SR SBL SBR
JK879 (RCA-405BGG-04) FWL FWR FH1L FH1R
JK886 (RCA-207AEGG-02) FH2L FH2R
JK881 (RCA-107BAG-04) SW2

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

SCHEMATIC DIAGRAMS (22/39)
SCH22_PREOUT





*MODEL OPTION

	SR7010	AV7702
I	OPEN	USE
II	USE	OPEN
III	22uF/50V	47uF/50V

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

SCHEMATIC DIAGRAMS (23/39)

SCH23_F-HDMI

ANALOG VDIEO PART

CVBS IN/OUT

CBL/SAT
DVD
GAME
MONITOR OUT
ZONE2 OUT

JK511
RCA-628-002-47

JK511 OPTION TABLE

	SR7010/AV7702MK2
P/N	CJ4T0022
COLOR	GOLD PLATE / 5P

JK512 OPTION TABLE

	SR7010/AV7702MK2
P/N	CJ4R055Z/RCA-628G-002-08
COLOR	GOLD PLATE / 6P

JK513 OPTION TABLE

	SR7010/AV7702MK2
P/N	CJ4R055Z/RCA-628G-002-08
COLOR	GOLD PLATE/ 6P

COMPONENT IN / OUT

JK512
RCA-628-002-08

SAT_Y
DVD_Y
SAT_Cb
DVD_Cb
SAT_Cr
DVD_Cr
BD_Y
MONITOR_Y
BD_Cb
MONITOR_Cb
BD_Cr
MONITOR_Cr

JK513
RCA-628-002-08

IC511
AVDM2000

IC513
NJM2845DL133
+3.3V

J3 — A3 — TO 3J
J4 — B5 — TO 4J
FROM RC-5_MX-PORT PART (PAGE 20)
("TRG_GND->DGND" For EMI)

BN21B
TO CONNECT B PART (PAGE 24 _C5)
TO CN21B
BN21B C125Z2-19

"D" Option
"E" Option

Model Options

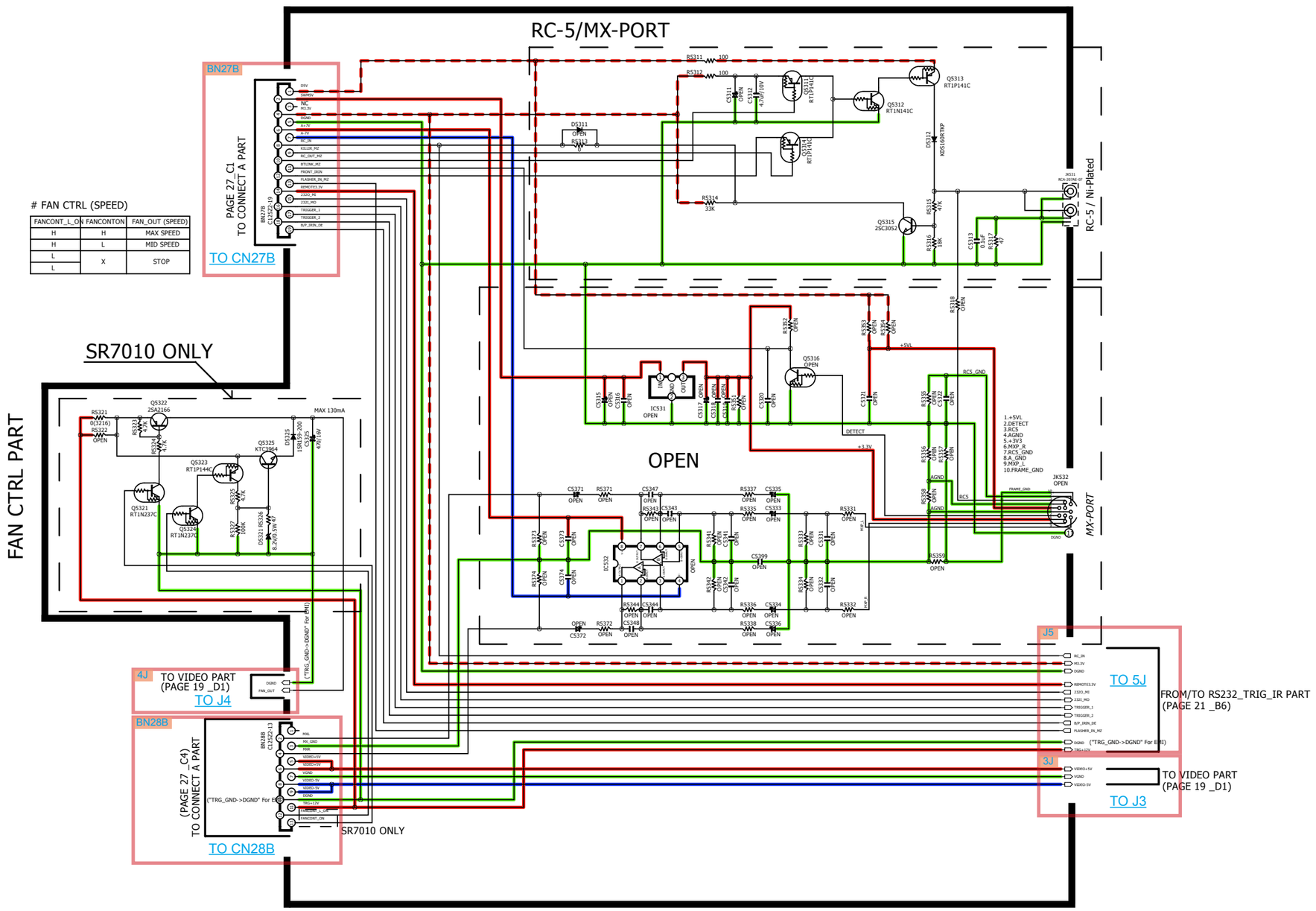
	SR7010/AV7702MK2
D	MOUNT
E	OPEN

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

SCHEMATIC DIAGRAMS (24/39)

SCH24_A-VIDEO

RC-5 / MX-PORT

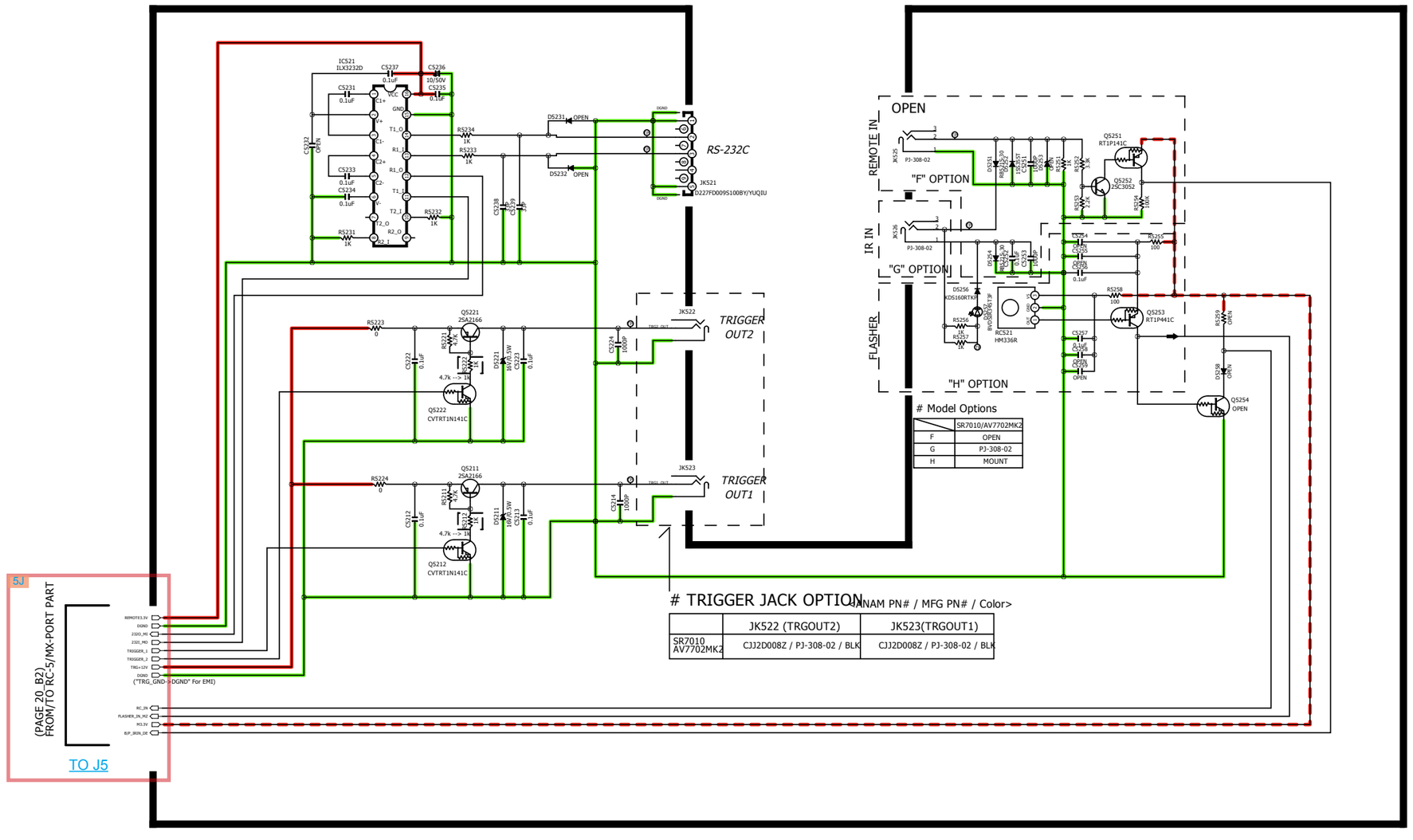


GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (25/39)

SCH25_RC-5 & MX-PORT

RS232C/TRIGGER



IR / FLASHER

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

SCHEMATIC DIAGRAMS (26/39)

SCH26_RS232C & TRIGGER

SIDE CNT_CUP12631Z(CONNECT A)

USA VER. ONLY

TO HD RADIO

CN961 12511HS

OPTION	U	OHTERS
	HD TUNER	ANALOG TUNER

CN23A FROM DIGITAL CON.PART PAGE 1_C1 TO BN23A

CN27A FROM DIGITAL CON.PART PAGE 1_D1 TO BN27A

CN28B AV7702:N.C FROM/TO RC-5 PAGE 20_A5 TO BN28B

CN27B TO BN27B FROM/TO RC-5 PAGE 20_C5

CN64C TO INPUT PART PAGE 28_D4 TO BN64C AV7702:N.C

CN23C FROM/TO INPUT PART PAGE 28_D2 TO BN23C

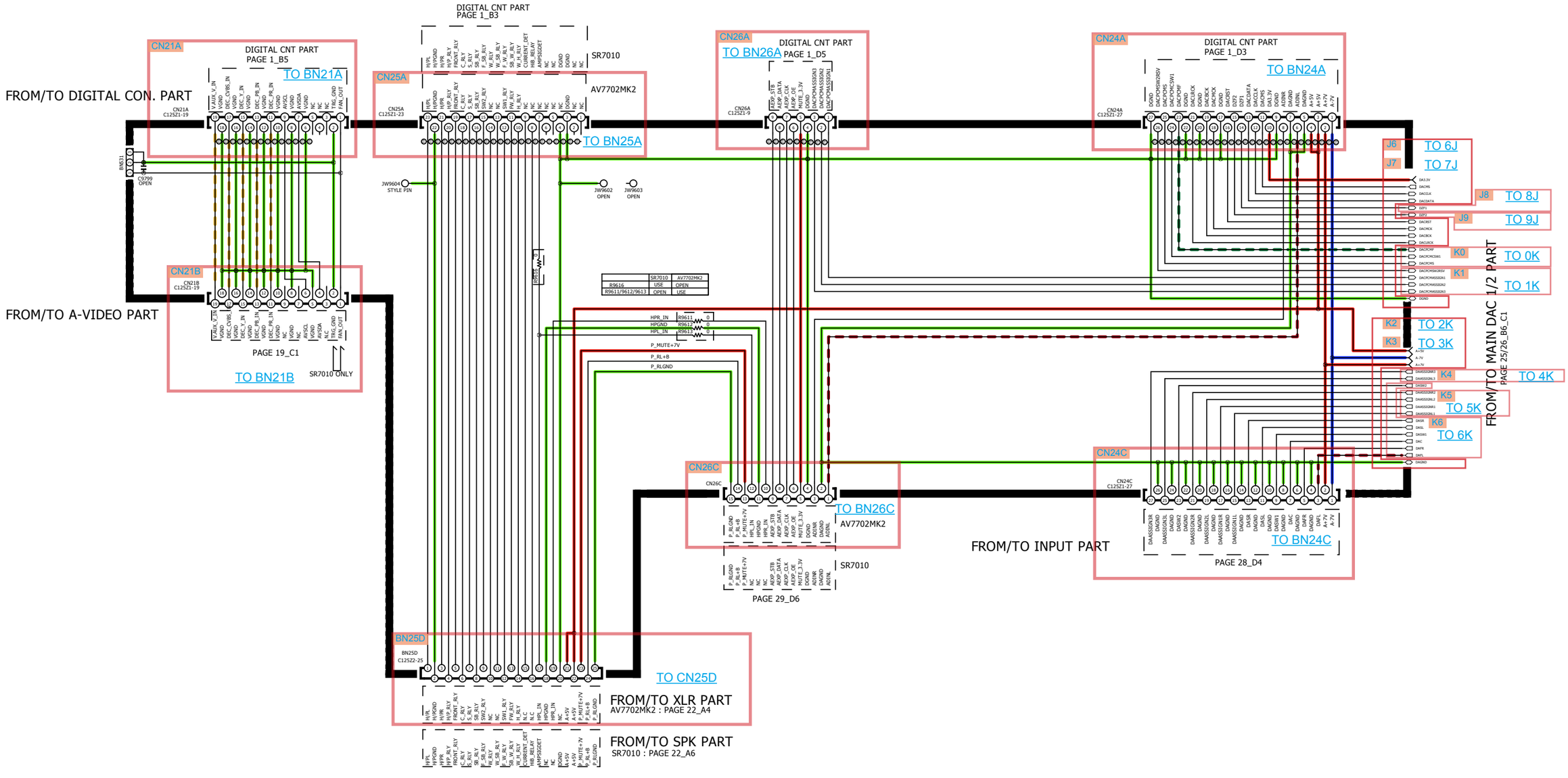
BN77D TO REGULATOR PART PAGE 23_C1 TO CN77D

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

SCHEMATIC DIAGRAMS (27/39)

SCH27_SIDE CNT

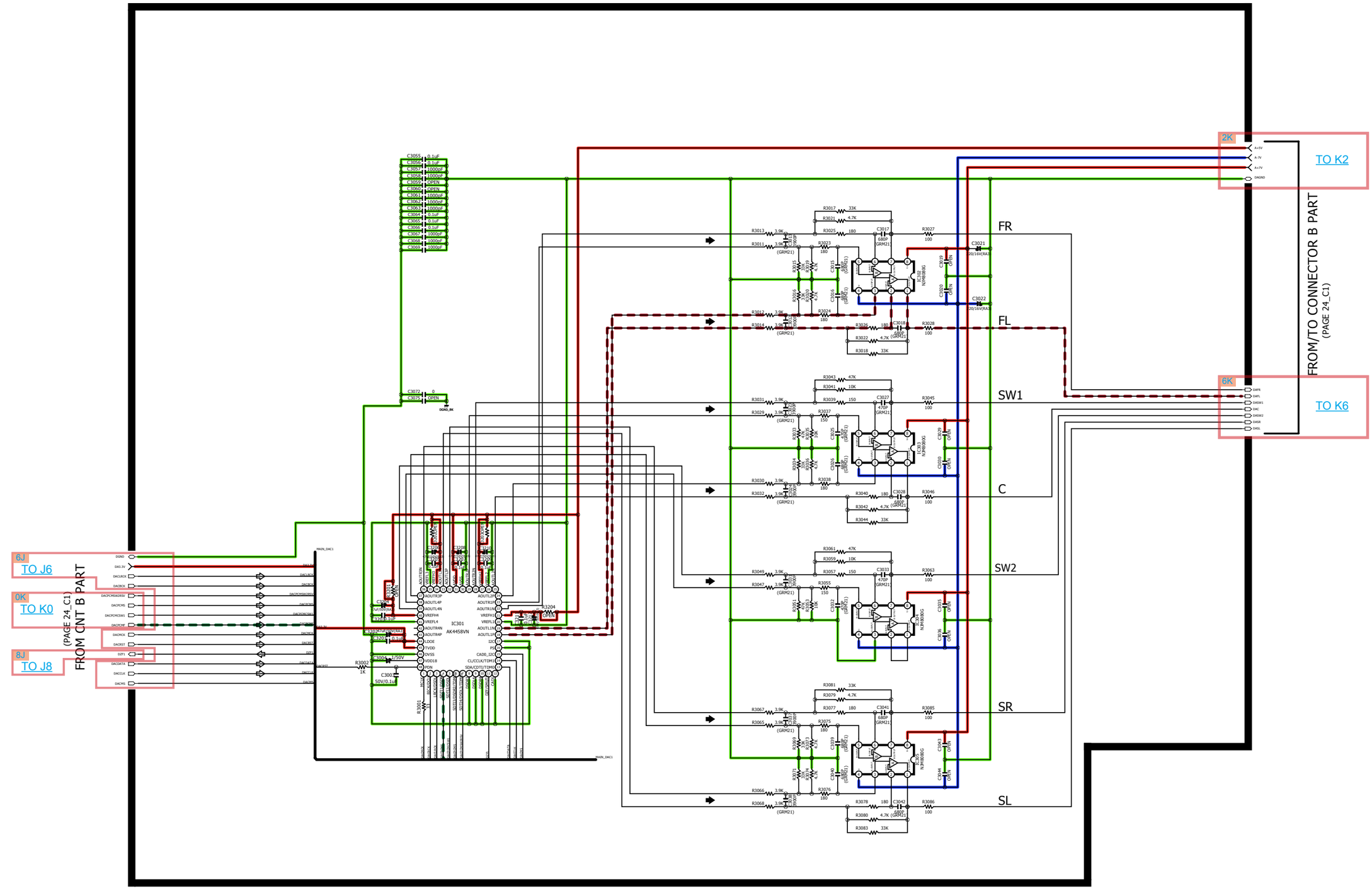
FRT CNT CONNECT B



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

SCHEMATIC DIAGRAMS (28/39)

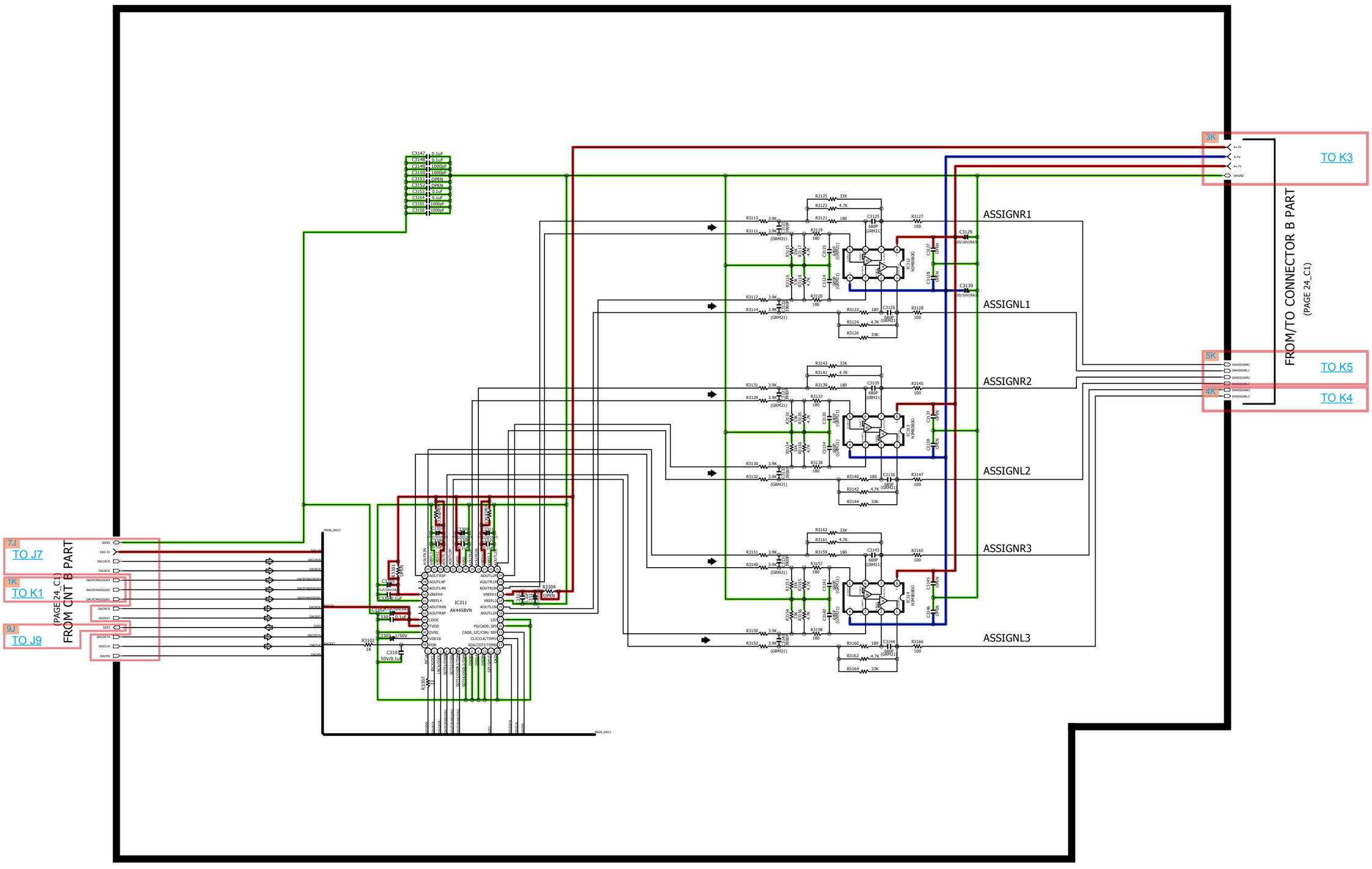
SCH28_FRONT CNT



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

SCHEMATIC DIAGRAMS (29/39)

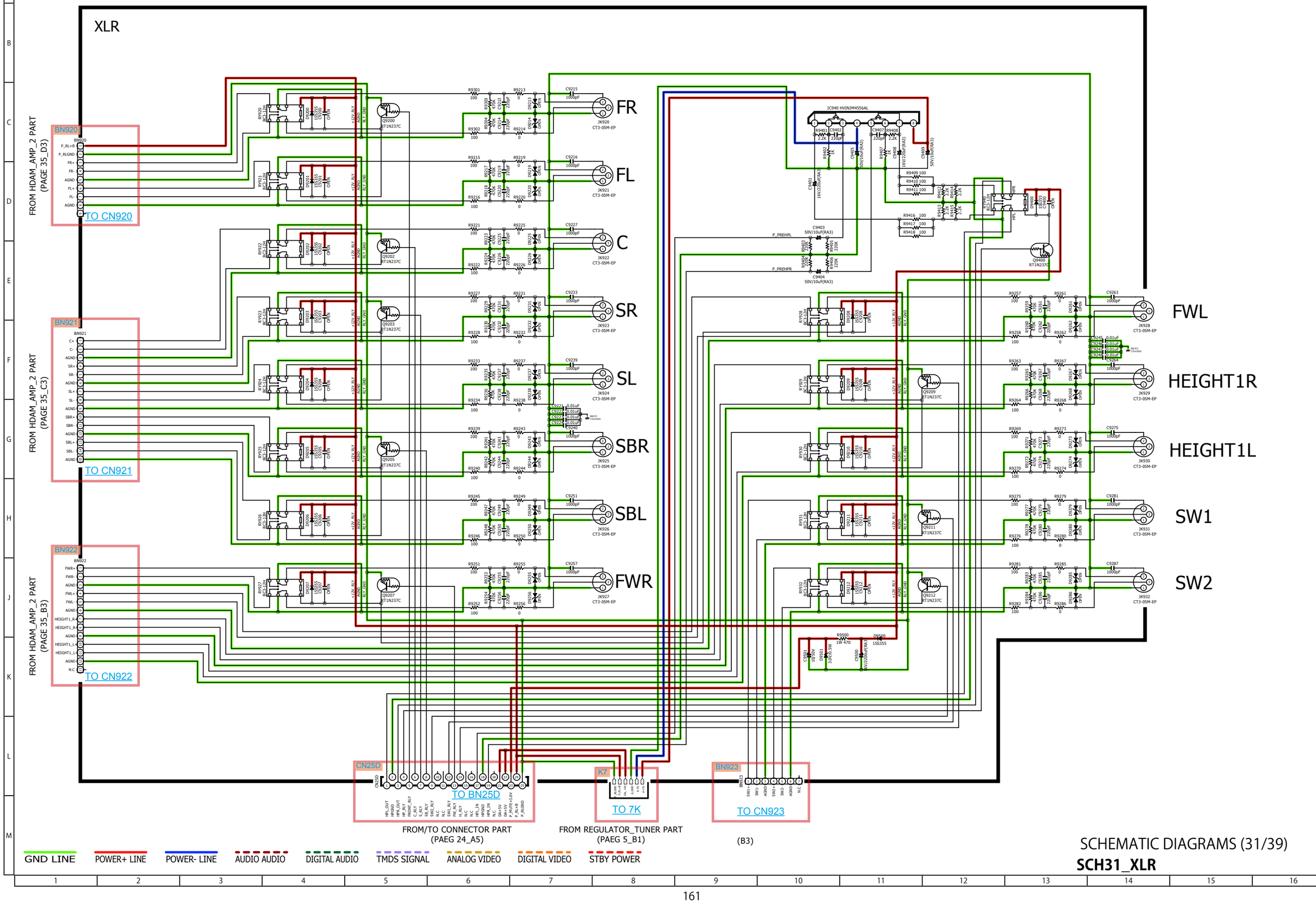
SCH29_MAIN DAC1



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

SCHEMATIC DIAGRAMS (30/39)

SCH30_MAIN DAC2


XLR
FROM HDAM_AMP_2 PART (PAGE 35_D3)
BN920
TO CN920
FROM HDAM_AMP_2 PART (PAGE 35_C3)
BN921
TO CN921
FROM HDAM_AMP_2 PART (PAGE 35_B3)
BN922
TO CN922
FR
FL
C
SR
SL
SBR
SBL
FWR
FWL
HEIGHT1R
HEIGHT1L
SW1
SW2
IC940 HVINJM4556AL
CN25D
TO BN25D
K7
TO 7K
BN923
TO CN923
FROM/TO CONNECTOR PART (PAEG 24_A5)
FROM REGULATOR_TUNER PART (PAEG 5_B1)
(B3)
GND LINE
POWER+ LINE
POWER- LINE
AUDIO AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER
SCHEMATIC DIAGRAMS (31/39)
SCH31_XLR

TUNER PART

REGULATOR PART

FUSE PART

OPEN

OPTION A

A

MODEL	AV7702		
AREA	NA	EU/AP	
OPTION A	X	O	

MODEL	AV7702		
AREA	U	N	
OPTION A	X	O	

* TUNER MODULE(TU901) OPTION

AREA	ANALOG TUNER
U	NOT MOUNT
N	CNVYST990-D8E1

TU901 L-OUT, R-OUT, VCC, SCLK, SDIO, /CE, /RST, INT → TUNER_L, TUNER_R, TU_+5V, SCL, SDA, CE, RST, INT → CHASSIS

CN77D → TO BN77D

CN77D	
1	TU_INT
2	TU_RST
3	TU_CE
4	TU_TXMI/SDA
5	TU_RXMO/SCL
6	AGND
7	TUNER_L
8	TU_GND
9	A+7V
10	TUNER_R
11	AGND
12	AGND
13	A+7V
14	VIDEO+5V
15	VGND
16	VIDEO-5V
17	TRG_GND
18	TU_RTGND
19	TRG +12V

(PAEG 23_A4) TO CONNECT A PART

7K → TO K7

(PAEG 4_A4) TO XLR PART

FROM TRANS: CN940 SMW250-05 → AC_IN(7.3V), AC_IN(7.3V), VGND, AC_IN(13.3V), N.C

FROM TRANS: CN941 SMW250-03 → AC_IN(9.4V), A_GND, AC_IN(9.4V)

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

SCHEMATIC DIAGRAMS (32/39)

SCH32_REGULATOR & TUNER

SR7010/AV7702MK2
FRONT B'D

CN69A

PAGE 1_B1
TO DIGITAL CON.

TO CN69B

VOLUME & REMOTE PART

H/P PART

USB PART

ST-BY LED PART

MIC JACK

FROM MAIN TRANS

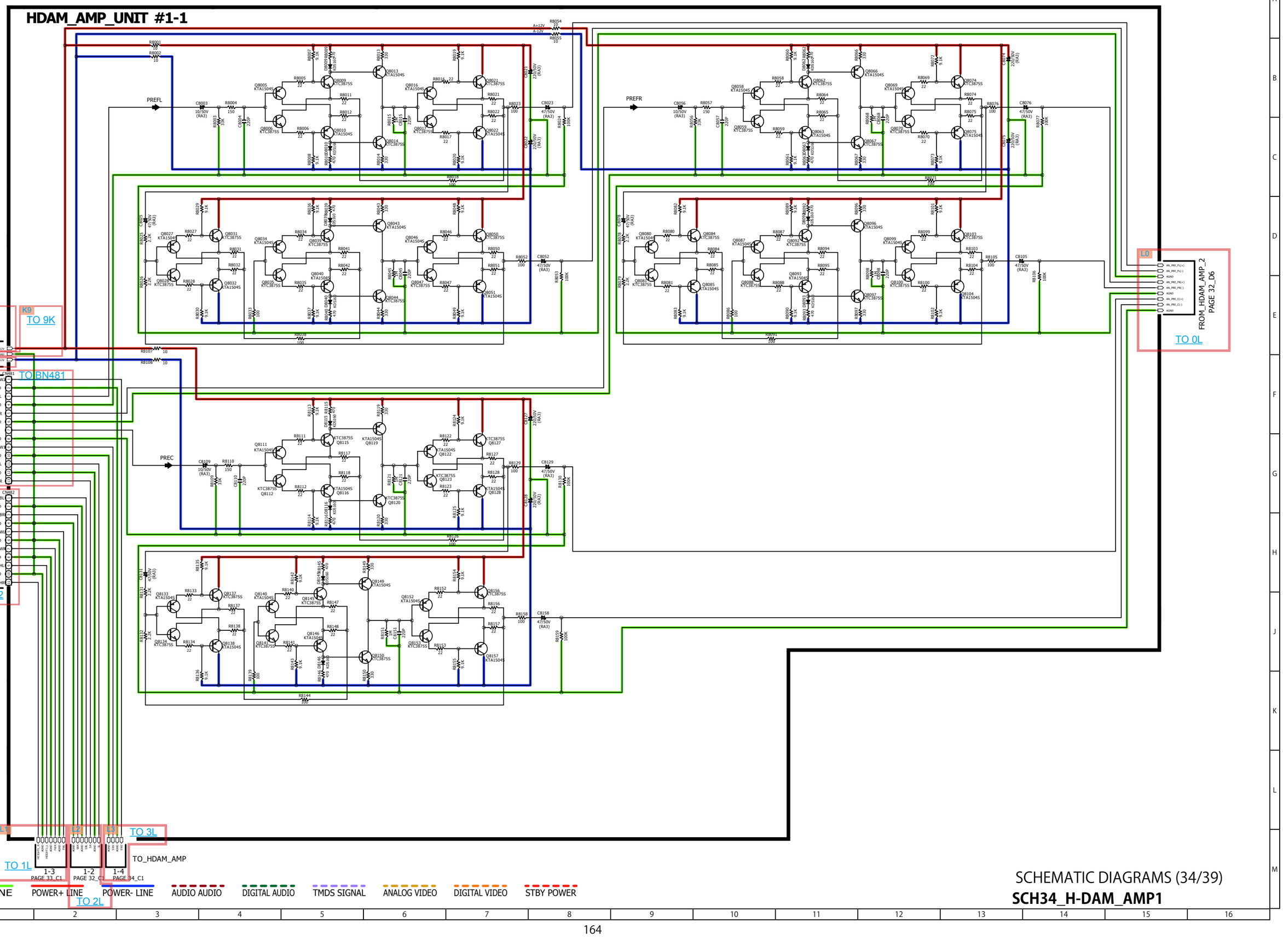
TO CY920 PART (PAGE 11_B6)

TO CN321

SCHEMATIC DIAGRAMS (33/39)

SCH33_FRONT

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


HDAM_AMP_UNIT #1-1
PREFL
PREFR
PREC
A+12V
AGND
K8
TO 8K
K9
TO 9K
FROM_HDAM_AMP2 PAGE 35_C1
CN481
TO BN481
FROM_INT PART PAGE 28_C1
CN482
TO BN482
L0
FROM_HDAM_AMP_2 PAGE 32_D6
TO 0L
L1
TO 1L
L2
TO 2L
L3
TO 3L
TO_HDAM_AMP
1-3 PAGE 33_C1
1-2 PAGE 32_C1
1-4 PAGE 34_C1
GND LINE
POWER+ LINE
POWER- LINE
AUDIO AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER
SCHEMATIC DIAGRAMS (34/39)
SCH34_H-DAM_AMP1

HDAM_AMP_UNIT #1-2

L4 FROM_HDAM_AMP2 PAGE 35_C1 — TO 4L

2L FROM_HDAM_AMP_1 PAGE 31_A6 — TO L2

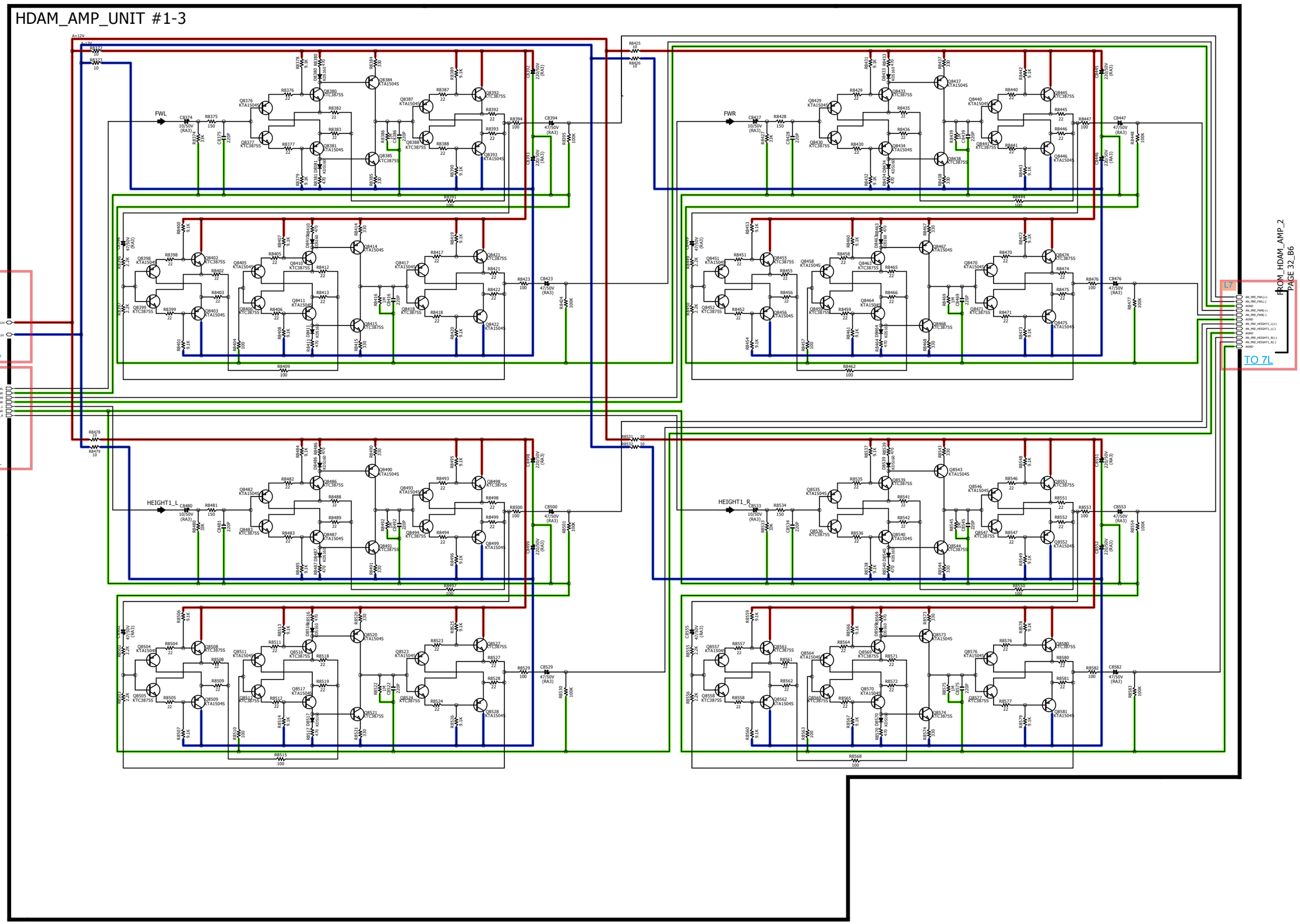
L5 FROM_HDAM_AMP_2 PAGE 32_C6 — TO 5L

PRESL · PRESR · PRESBL · PRESBR

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

SCHEMATIC DIAGRAMS (35/39)

SCH35_H-DAM_AMP2

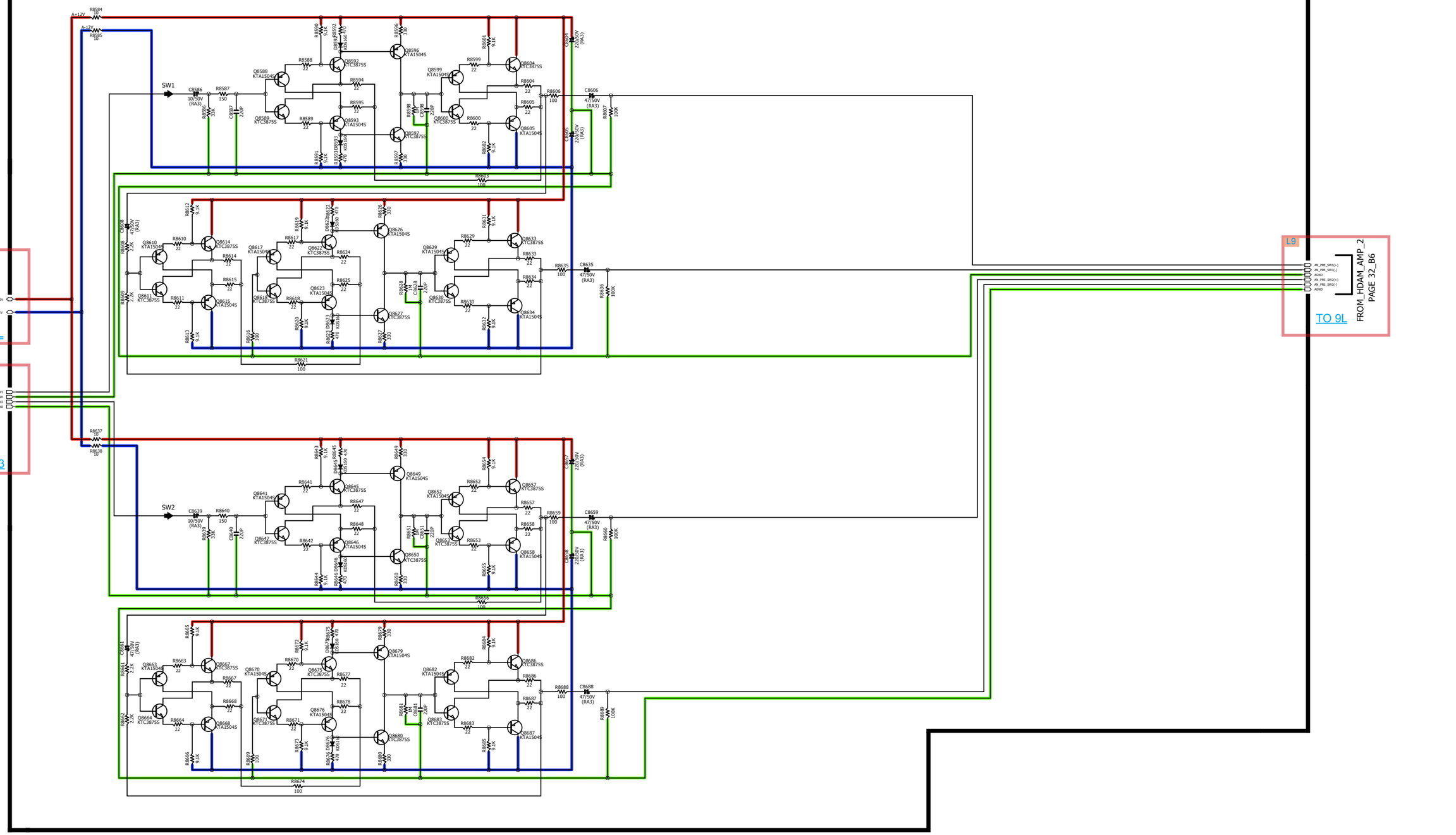


GND LINE | POWER+ LINE | POWER- LINE | AUDIO AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (36/39)

SCH36_H-DAM_AMP3

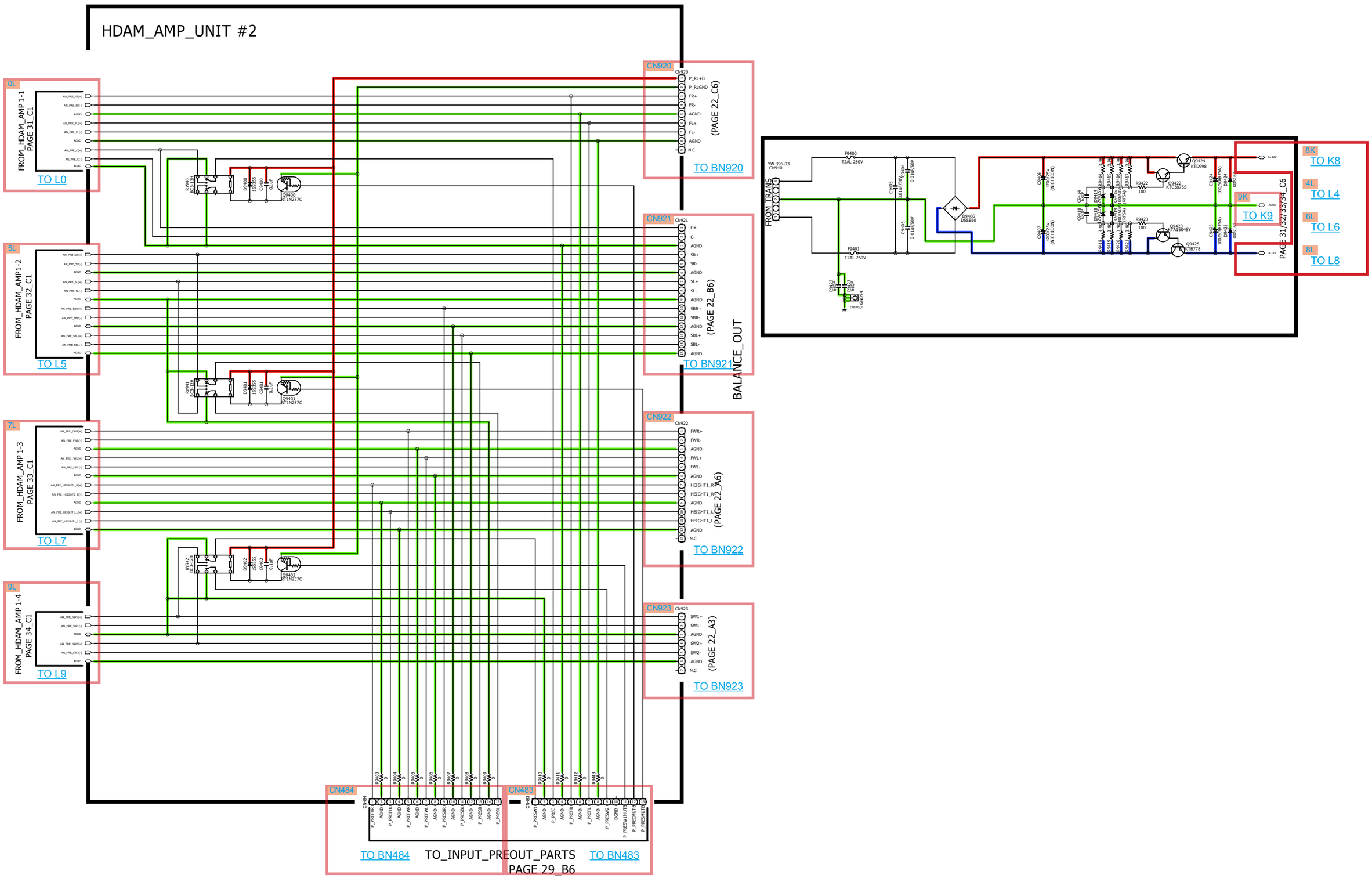
HDAM_AMP_UNIT #1-4



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

SCHEMATIC DIAGRAMS (37/39)

SCH37_H-DAM_AMP4

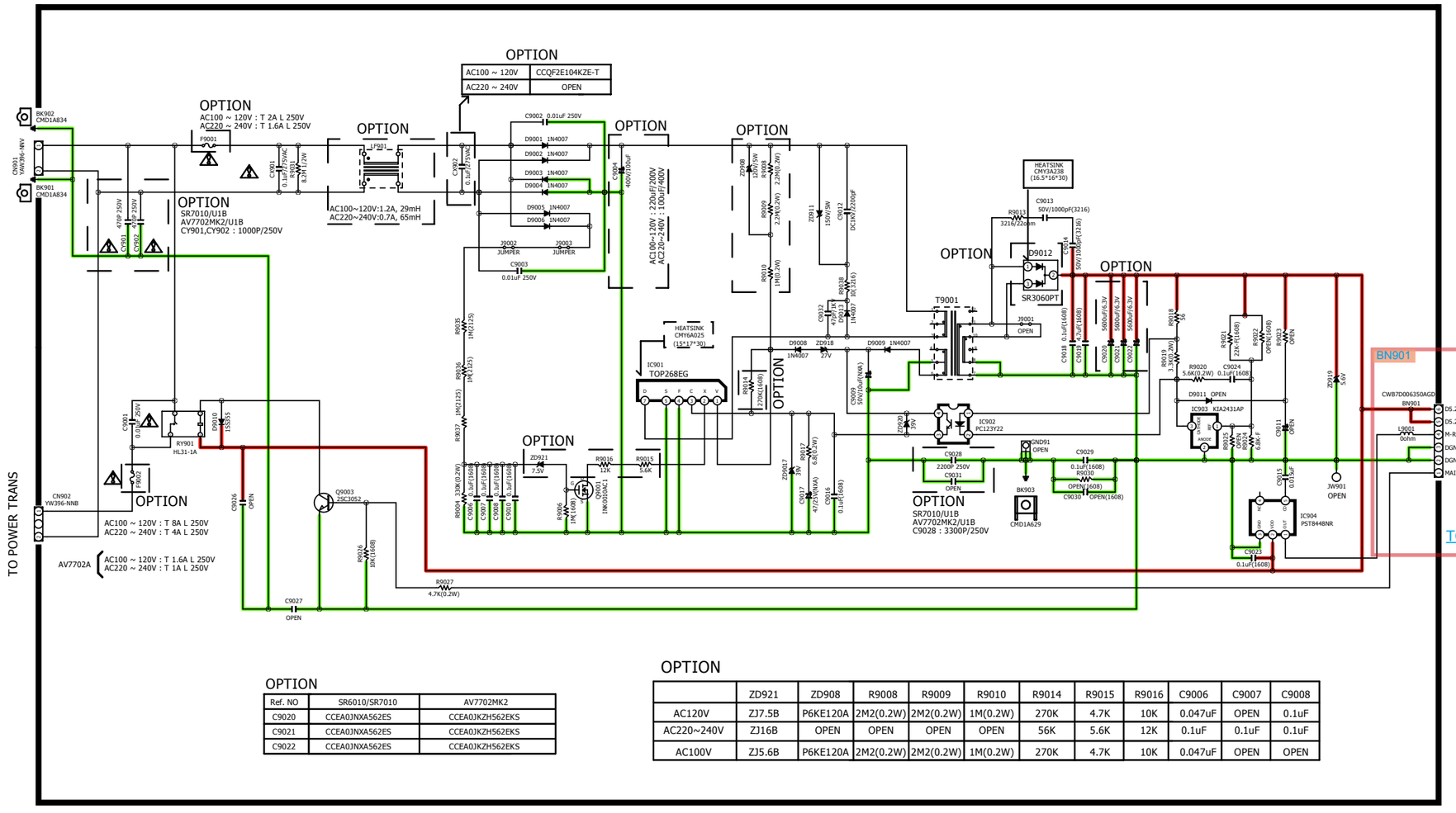


GND LINE | POWER+ LINE | POWER- LINE | AUDIO AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (38/39)

SCH38_H-DAM_AMP5

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.

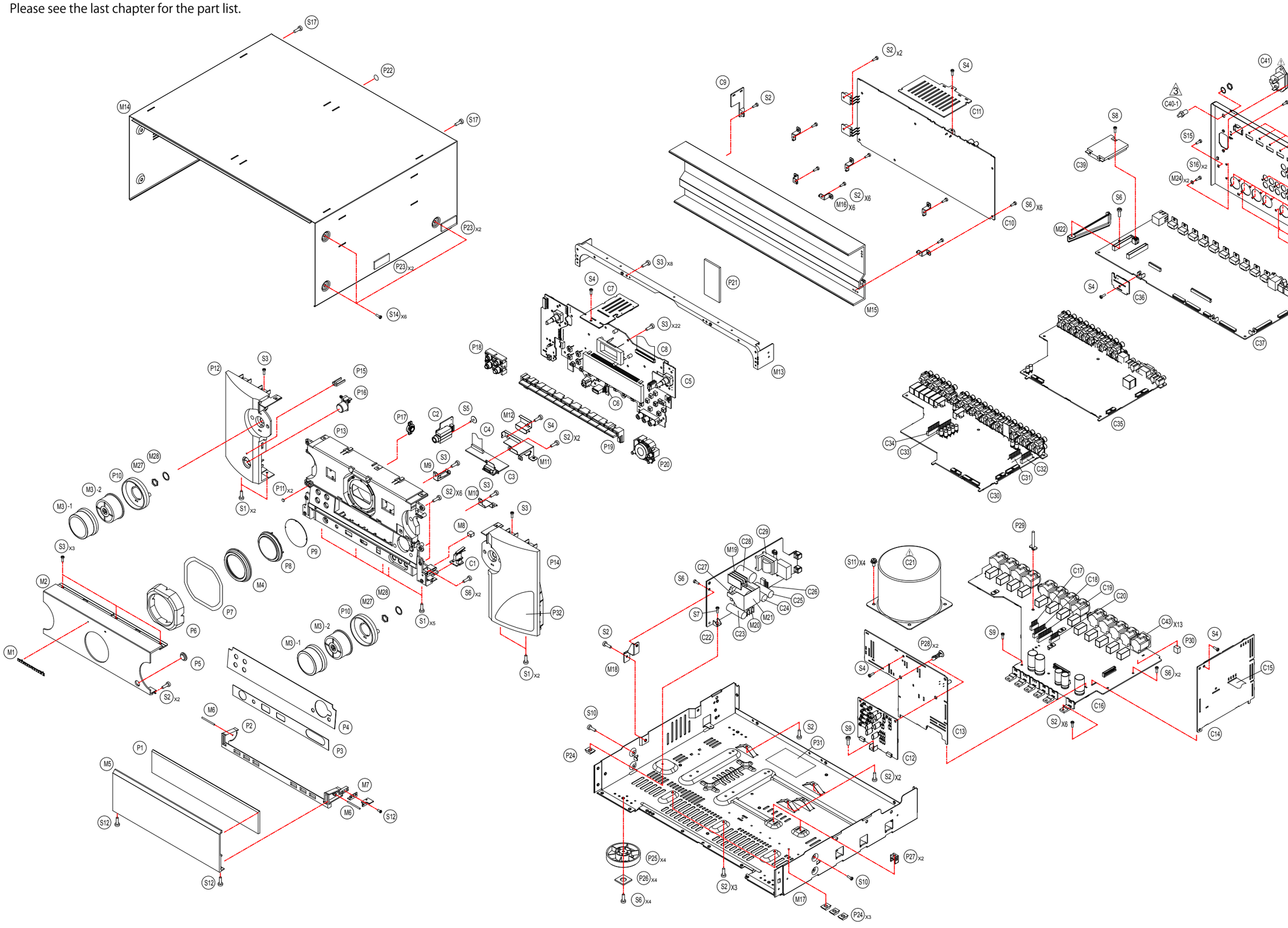
GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (39/39)

SCH39_SMPS

EXPLODED VIEW

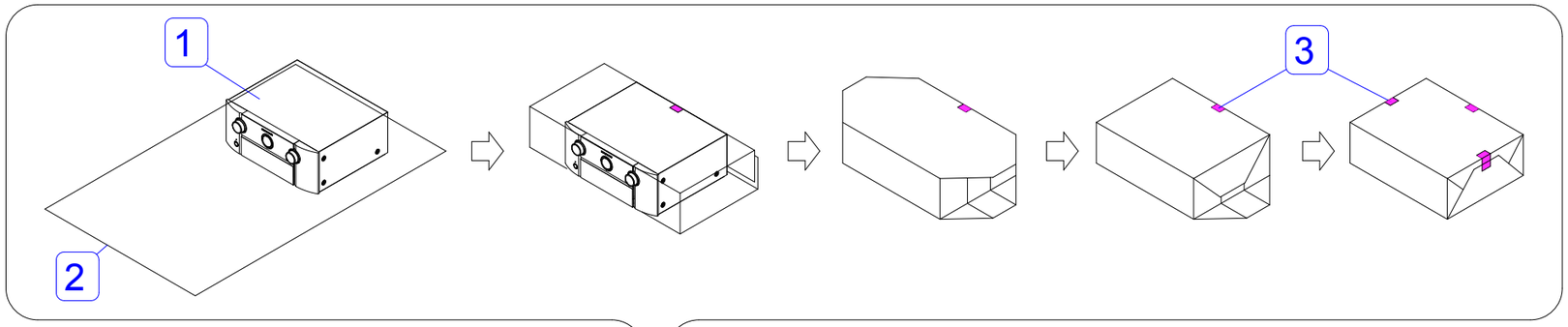
Please see the last chapter for the part list.

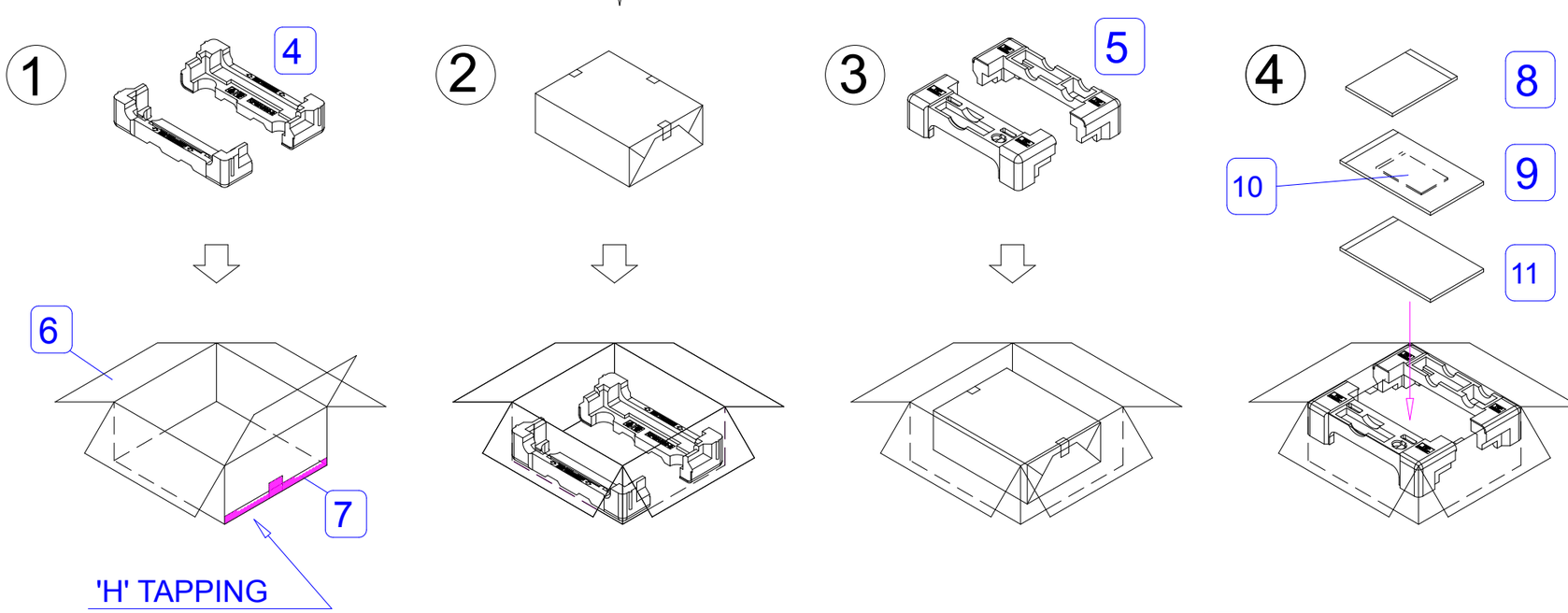


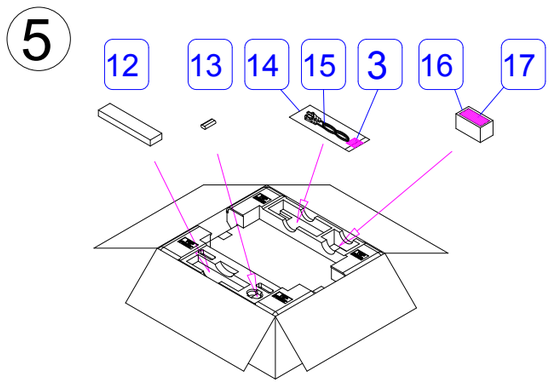
WARNING:
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

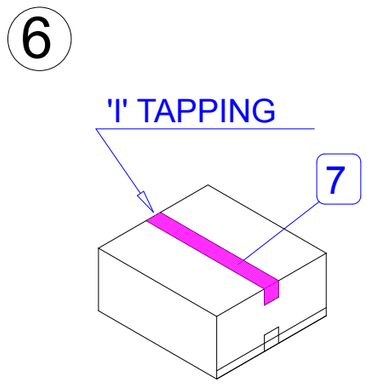
PACKING VIEW

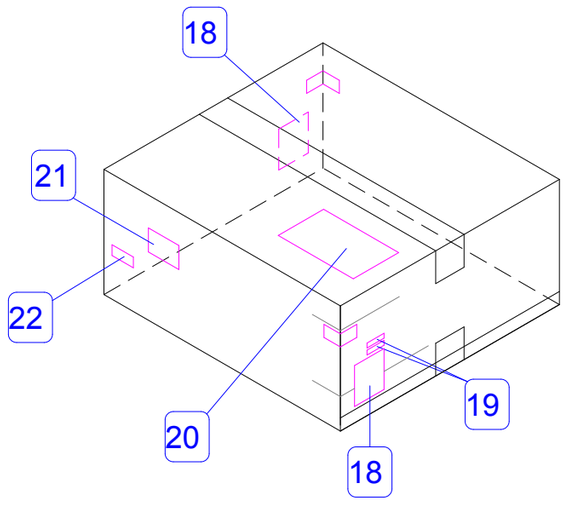
Please refer to the last chapter for the part list.

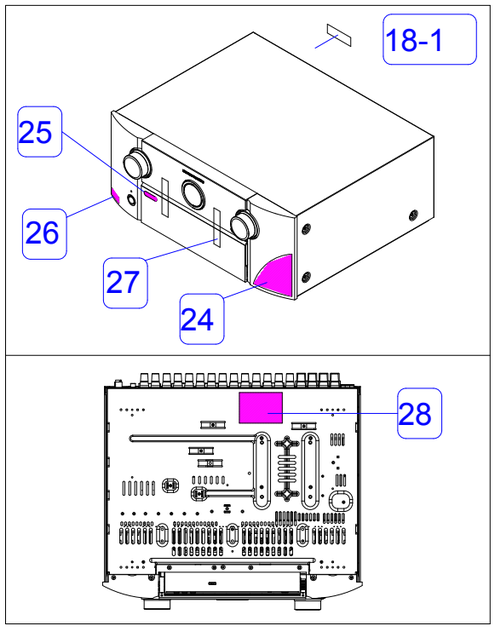










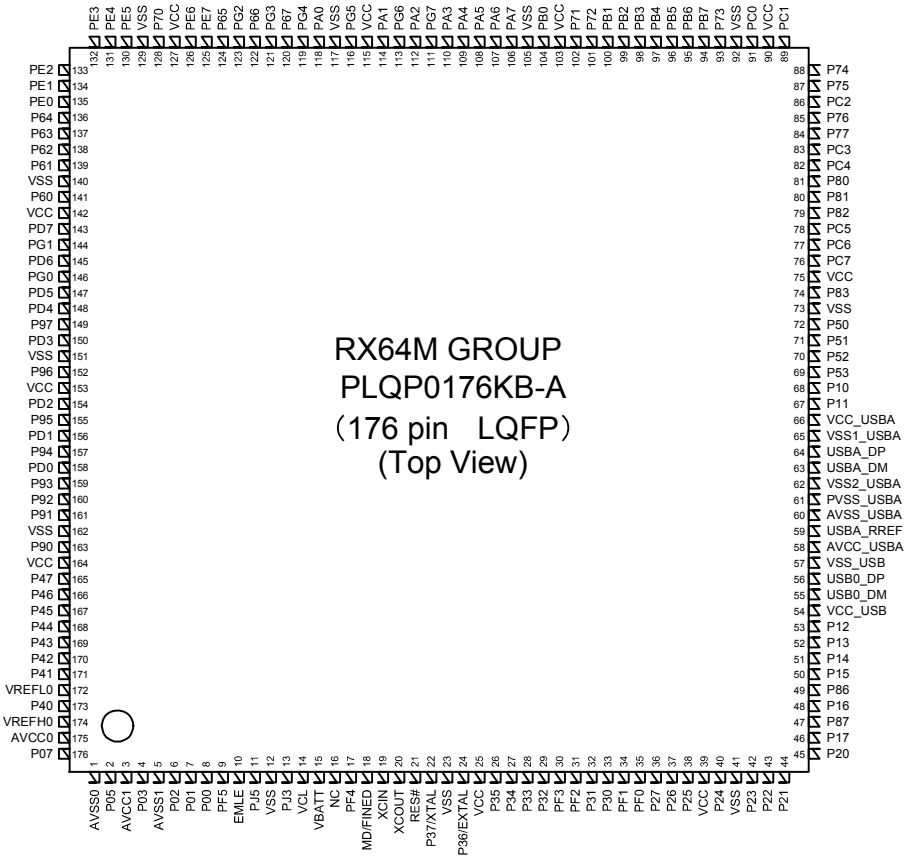


SEMICONDUCTORS

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

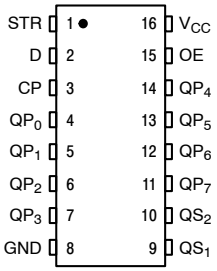
Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
18	MD/FINED	NC	I	M3VPu	I	I	I	Unused
19	XCIN	XCIN	I	Pd	-	-	-	NC(Pull down)
20	XCOUT	XCOUT	I		-	-	-	NC(open)
21	RES#	RESET	I		-	-	-	Reset input
22	XTAL/P37	XTAL	I		-	-	-	Oscillator connection(12MHz)
23	VSS	VSS	-		-	-	-	GND
24	EXTAL/P36	EXTAL	-		-	-	-	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)

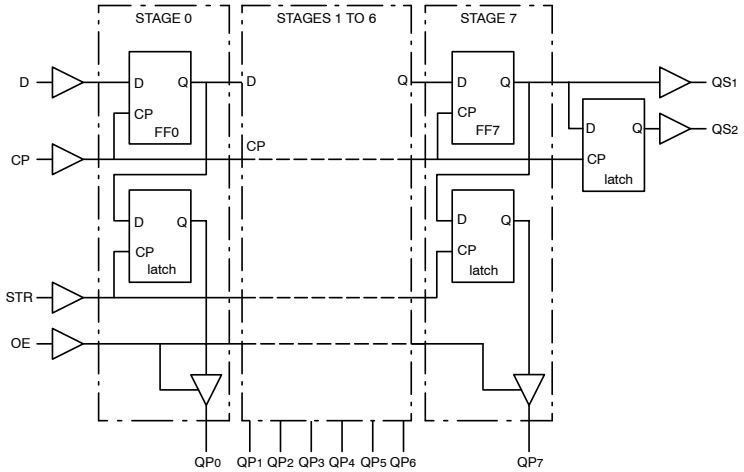
Pin	Pin Name	Symbol	I/O	Pu/Pd	STBY	STOP	CEC STBY	Function
145	PD6/IRQ6/AN106	DIR CLK	O		L	L	L	DIR control pin(PCM9211)
146	PG0	DIR RST	O		L	L	L	DIR control pin(PCM9211)
147	PD5/IRQ5/AN113	788_2_HAINT	I	-	Z		-	HDMI MN864788(RX) Audio INT input pin
148	PD4/IRQ4/AN112	NC	I		I	L	I	Unused
149	P97	DE_RST	O	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

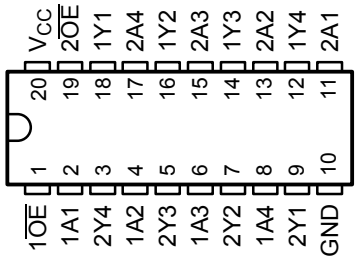


Logic Diagram

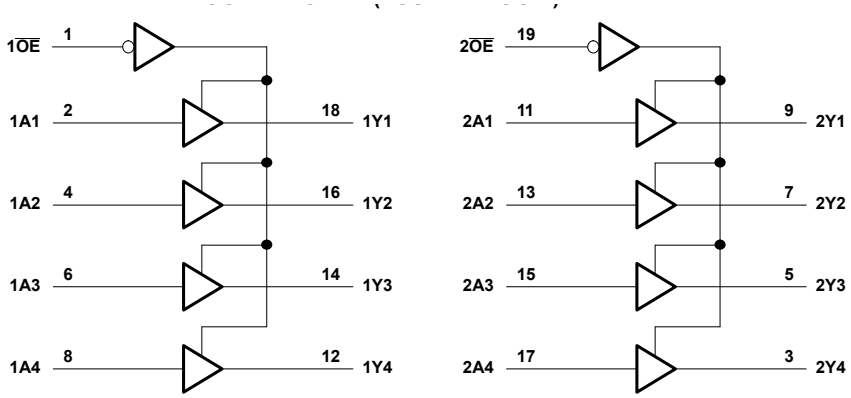


SN74LVC244APWR (DIGITAL : IC191)

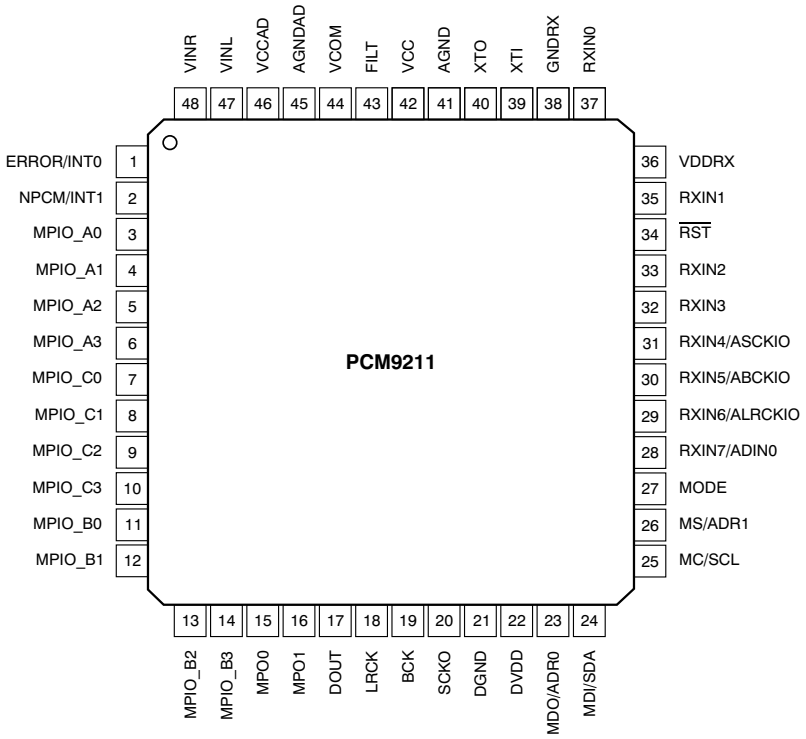
Pin assignment



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

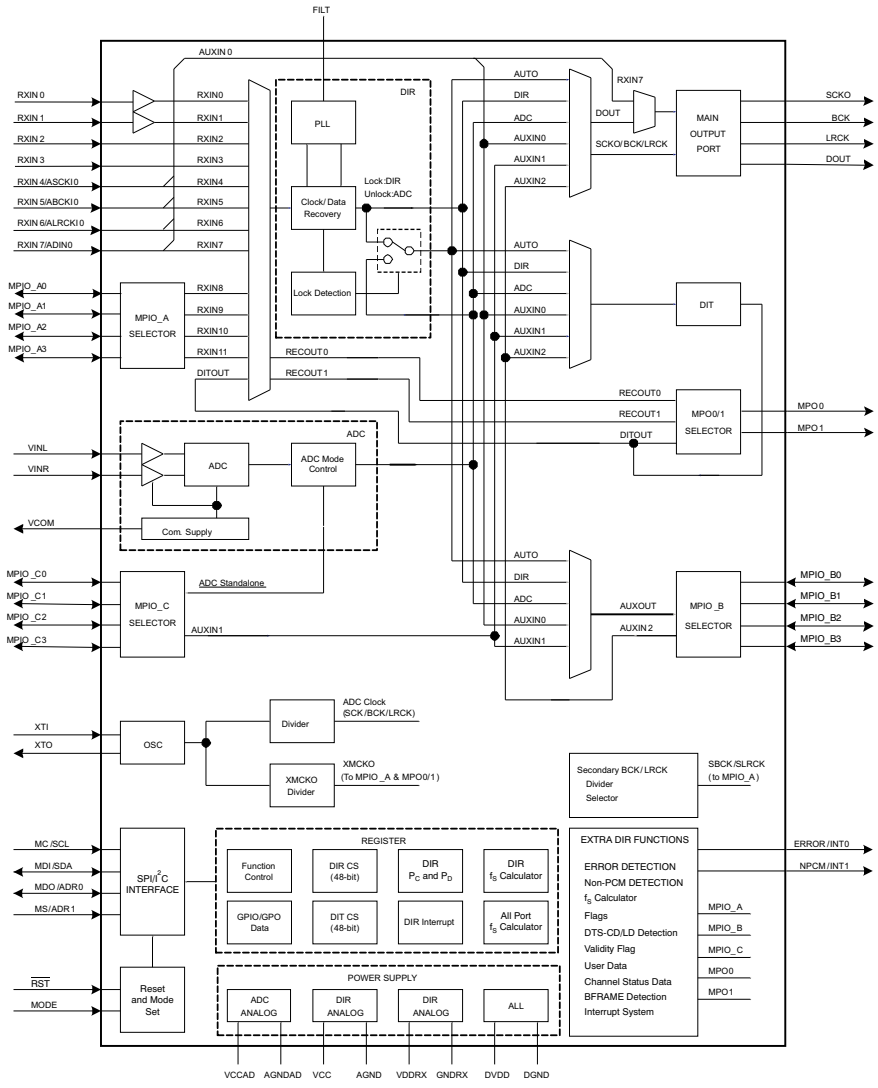
(2) Schmitt trigger input

(3) Open-drain configuration in I2C mode

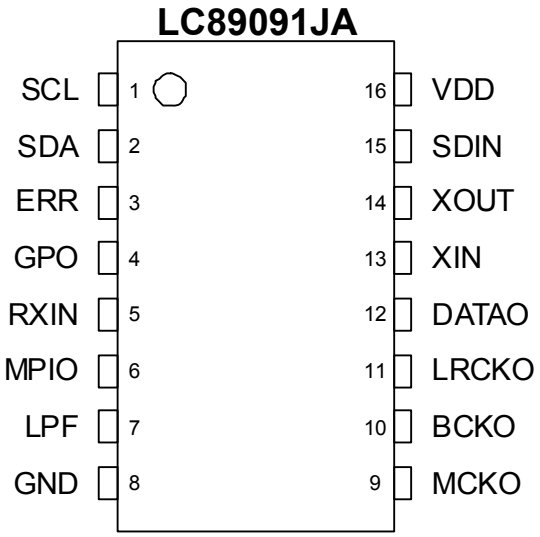
(4) Onboard pull-down resistor (50 kΩ, typical)

(5) CMOS Schmitt trigger input

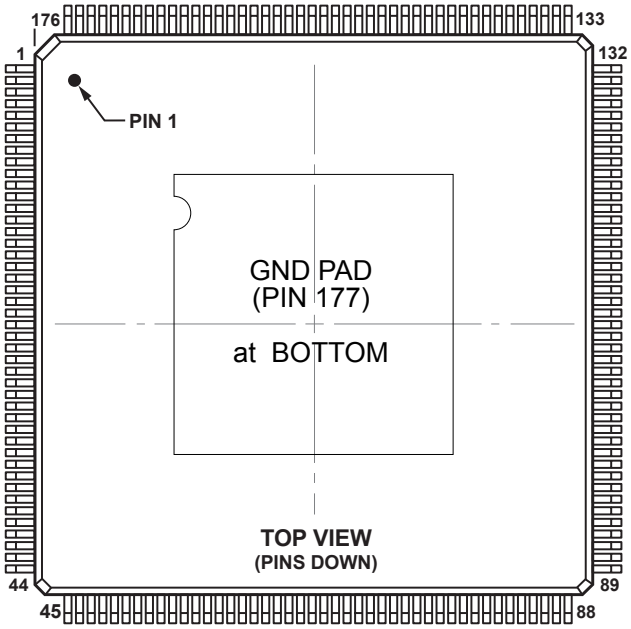
BLOCK DIAGRAM



LC89091JA (DIGITAL : IC203/IC204)



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

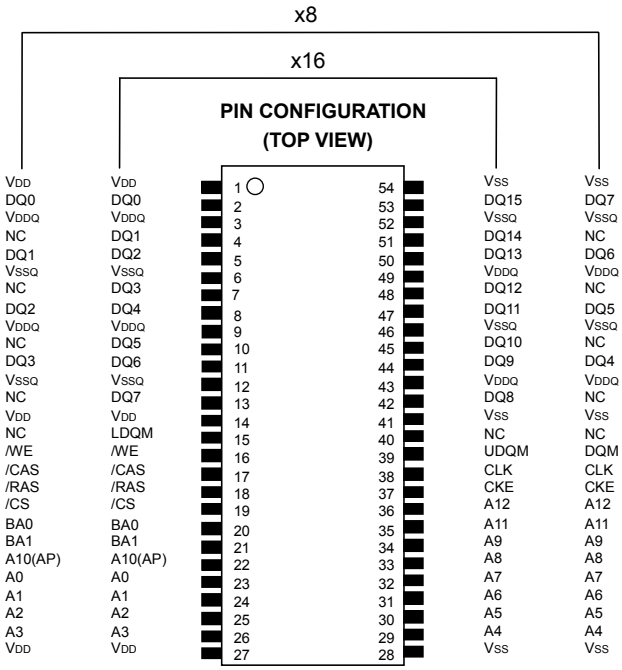


ADSP21487KSWZ3B Terminal Function

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*

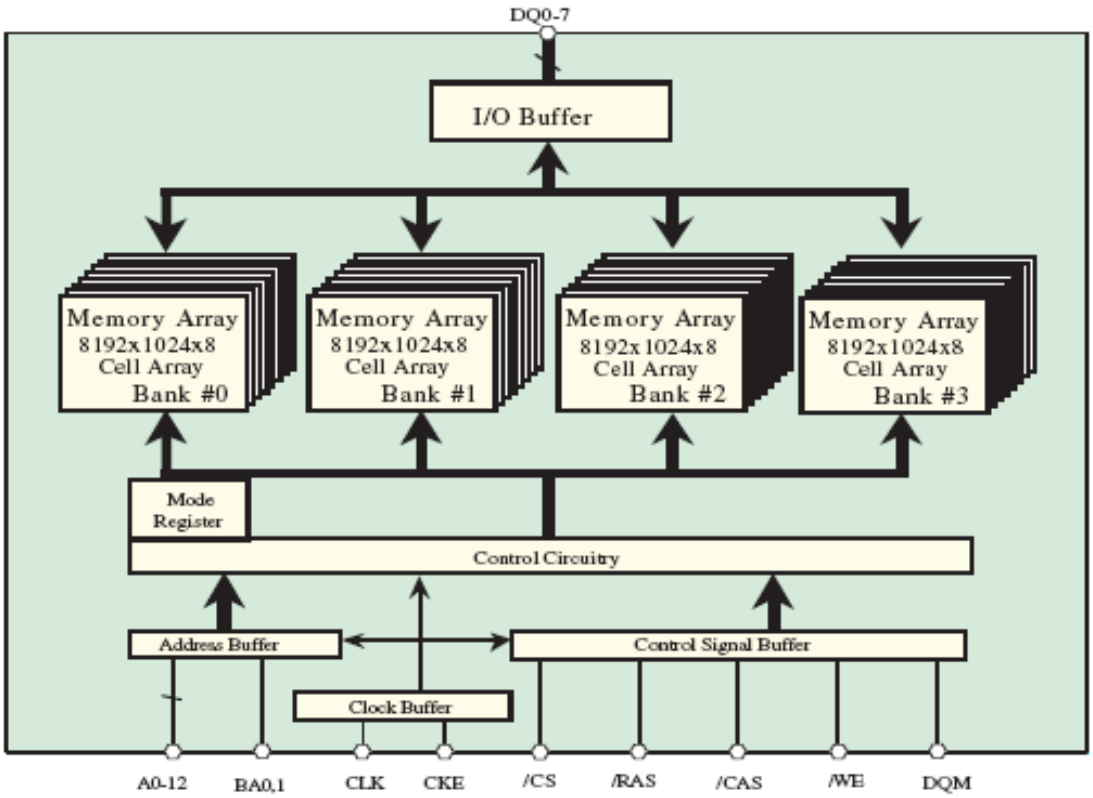
* at BOTTOM

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

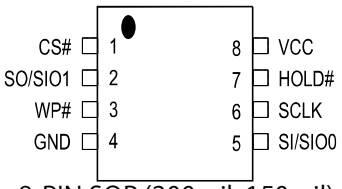


CLK	: Master Clock	DQM	: Output Disable / Write Mask (A3V56S30GTP)
CKE	: Clock Enable	U,L DQM	: Output Disable / Write Mask (A3V56S40GTP)
/CS	: Chip Select	A0-12	: Address Input
/RAS	: Row Address Strobe	BA0,1	: Bank Address
/CAS	: Column Address Strobe	VDD	: Power Supply
/WE	: Write Enable	VDDQ	: Power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

Block Diagram

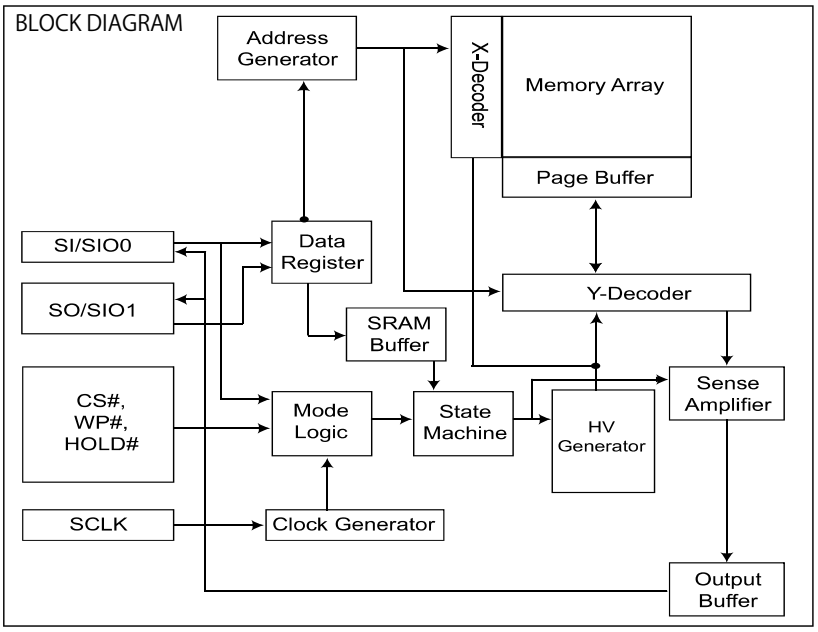


MX25L1606EM2I-12G (DIGITAL : IC254 / IC264 / IC273 / IC283)



8-PIN SOP (200mil, 150mil)

MX25L1606EM2I-12G Block Diagram



PCM5100 (DIGITAL : IC321/IC322)

PCM510X (top view)

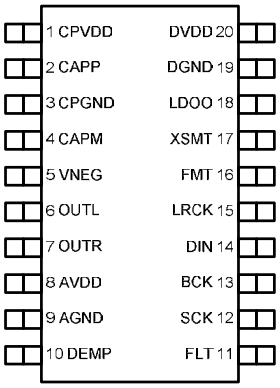


Table 2. TERMINAL FUNCTIONS, PCM510x

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

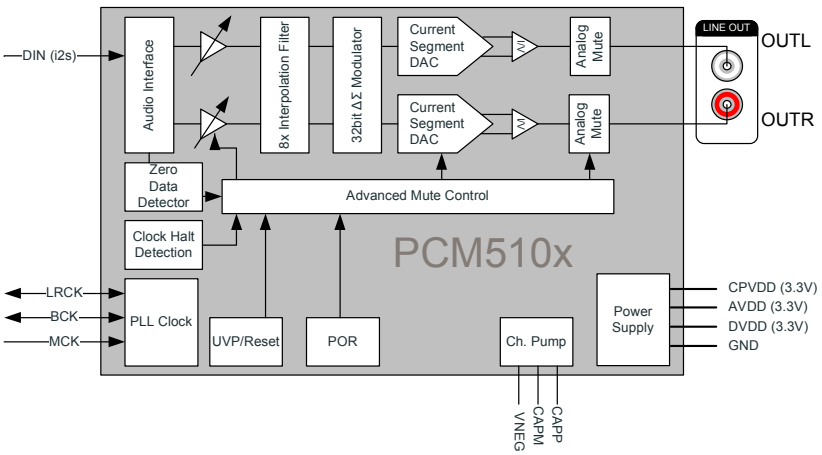
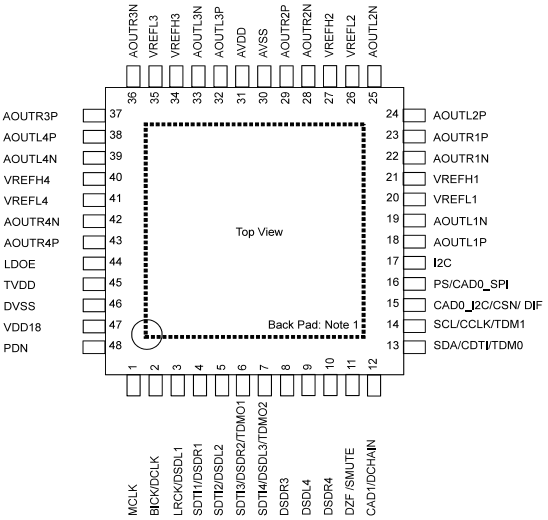


Figure 1. PCM510x Functional Block Diagram

AK4458VN (FRONT CNT : IC301/IC311)



Pin Function

No.	Pin Name	I/O	Function	PD State
1	MCLK	I	External Master Clock Input Pin	Hi-Z
2	BICK	I	Audio Serial Data Clock Pin in PCM mode	Hi-z
	DCLK	I	DSD Clock Pin in DSD mode	
3	LRCK	I	Input Channel Clock Pin in PCM mode	Hi-Z
	DSDL1	I	Audio Serial Data Input in DSD mode	
4	SDTI1	I	Audio Serial Data Input in PCM mode	Hi-Z
	DSDR1	I	Audio Serial Data Input in DSD mode	
5	SDTI2	I	Audio Serial Data Input in PCM mode	Hi-Z
	DSDL2	I	Audio Serial Data Input in DSD mode	
6	SDTI3	I	Audio Serial Data Input in PCM mode	100k Ω Pull down
	DSDR2	I	Audio Serial Data Input in DSD mode	
	TDMO1	O	Audio Serial Data Output in Daisy Chain mode	
7	SDTI4	I	Audio Serial Data Input in PCM mode	100k Ω Pull down
	DSDL3	I	Audio Serial Data Input in DSD mode	
	TDMO2	O	Audio Serial Data Output in Daisy Chain mode	
8	DSDR3	I	Audio Serial Data Input in DSD mode	Hi-Z
9	DSDL4	I	Audio Serial Data Input in DSD mode	Hi-Z
10	DSDR4	I	Audio Serial Data Input in DSD mode	Hi-Z
11	DZF	O	Zero Input Detect in I2C Bus or 3-wire serial control mode	100k Ω Pull down
	SMUTE	I	Soft Mute Pin in Parallel control mode. When this pin is changed to "H", soft mute cycle is initiated. When it is returning to "L", the output mute is released.	
12	CAD1	I	Chip Address 0 Pin in I C Bus or 3-wire serial control mode	Hi-Z
	DCHAIN	I	Daisy Chain Mode select pin in Parallel control mode.	
13	SDA	I/O	Control Data Pin in I2C Bus serial control mode	Hi-Z
	CDTI	I	Control Data Input Pin in 3-wire serial control mode	
	TDM0	I	TDM Mode select pin in Parallel control mode.	
14	SCL	I	Control Data Clock Pin in I2C Bus serial control mode	Hi-Z
	CCLK	I	Control Data Clock Pin in 3-wire serial control mode	
	TDM1	I	TDM Mode select pin in Parallel control mode.	
15	CAD0_I2C	I	Chip Address 0 Pin in I2C Bus serial control mode	Hi-Z
	CSN	I	Chip Select Pin in 3-wire serial control mode	
	DIF	I	Audio Data Format Select in Parallel control mode. "L": 32-bit MSB, "H": 32-bit I2S	
16	PS	I	(I2C pin = "H") Control Mode Select Pin "L": I2C Bus serial control mode, "H": Parallel control mode.	Hi-Z
	CAD0_SPI	I	(I2C pin = "L") Chip Address 0 Pin in 3-wire serial control mode	
17	I2C	I	Control Mode Select Pin "L": 3-wire serial control mode "H": I2C Bus serial control mode or Parallel control mode.	Hi-Z
18	AOUTL1P	O	Lch Positive Analog Output 1 Pin	Hi-Z
19	AOUTL1N	O	Lch Negative Analog Output 1 Pin	Hi-Z
20	VREFL1	I	Negative Voltage Reference Input Pin, AVSS	Hi-Z
21	VREFH1	I	Positive Voltage Reference Input Pin, AVDD	Hi-Z
22	AOUTR1N	O	Rch Negative Analog Output 1 Pin	Hi-Z
23	AOUTR1P	O	Rch Positive Analog Output 1 Pin	Hi-Z
24	AOUTL2P	O	Lch Positive Analog Output 2 Pin	Hi-Z

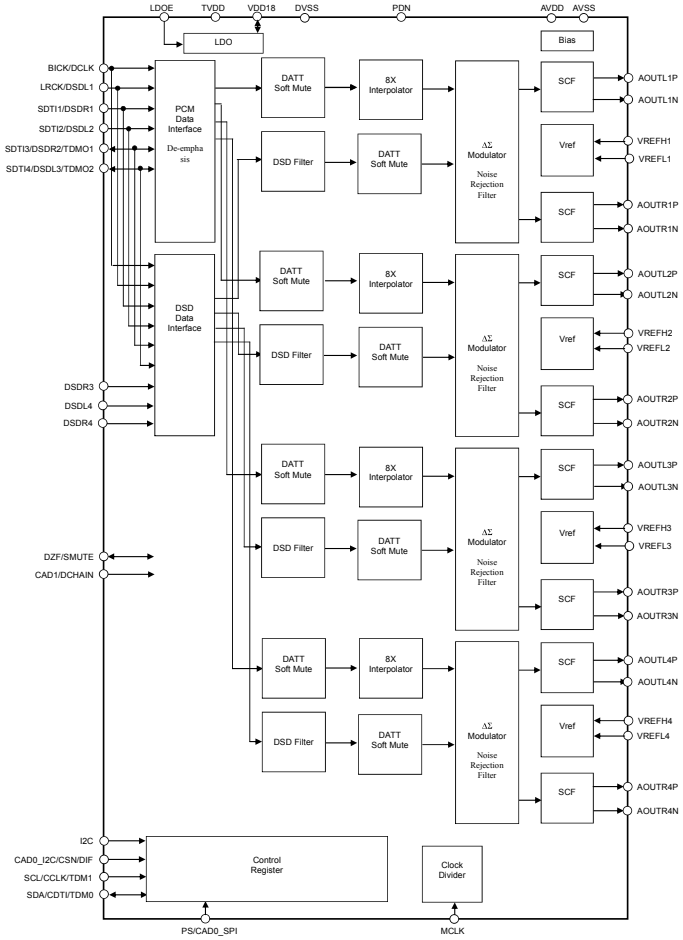
No.	Pin Name	I/O	Function	PD State
25	AOUTL2N	O	Lch Negative Analog Output 2 Pin	Hi-Z
26	VREFL2	I	Negative Voltage Reference Input Pin, AVSS	Hi-Z
27	VREFH2	I	Positive Voltage Reference Input Pin, AVDD	Hi-Z
28	AOUTR2N	O	Rch Negative Analog Output 2 Pin	Hi-Z
29	AOUTR2P	O	Rch Positive Analog Output 2 Pin	Hi-Z
30	AVSS	-	Analog Ground Pin	—
31	AVDD	-	Analog Power Supply Pin, 3.0V-5.5V	—
32	AOUTL3P	O	Lch Positive Analog Output 3 Pin	Hi-Z
33	AOUTL3N	O	Lch Negative Analog Output 3 Pin	Hi-Z
34	VREFH3	I	Positive Voltage Reference Input Pin, AVDD	Hi-Z
35	VREFL3	I	Negative Voltage Reference Input Pin, AVSS	Hi-Z
36	AOUTR3N	O	Rch Negative Analog Output 3 Pin	Hi-Z
37	AOUTR3P	O	Rch Positive Analog Output 3Pin	Hi-Z
38	AOUTL4P	O	Lch Positive Analog Output 4 Pin	Hi-Z
39	AOUTL4N	O	Lch Negative Analog Output 4 Pin	Hi-Z
40	VREFH4	I	Positive Voltage Reference Input Pin, AVDD	Hi-Z
41	VREFL4	I	Negative Voltage Reference Input Pin, AVSS	Hi-Z
42	AOUTR4N	O	Rch Negative Analog Output 4 Pin	Hi-Z
43	AOUTR4P	O	Rch Positive Analog Output 4 Pin	Hi-Z
44	LDOE	I	Internal LDO Enable Pin. "L": Disable, "H": Enable	Hi-Z
45	TVDD	-	Digital Power Supply Pin, 3.0V-3.6V	—
46	DVSS	-	Digital Ground Pin	—
47	VDD18	O	LDO Output Pin (LDOE pin = "H") This pin should be connected to DVSS with 1.0µF.	(Note 4)
		I	1.8V Power Input Pin (LDOE pin = "L")	
48	PDN	I	Power-Down & Reset Pin When this pin is "L", the AK4458 is powered-down and the control registers are reset to default state.	Hi-Z

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

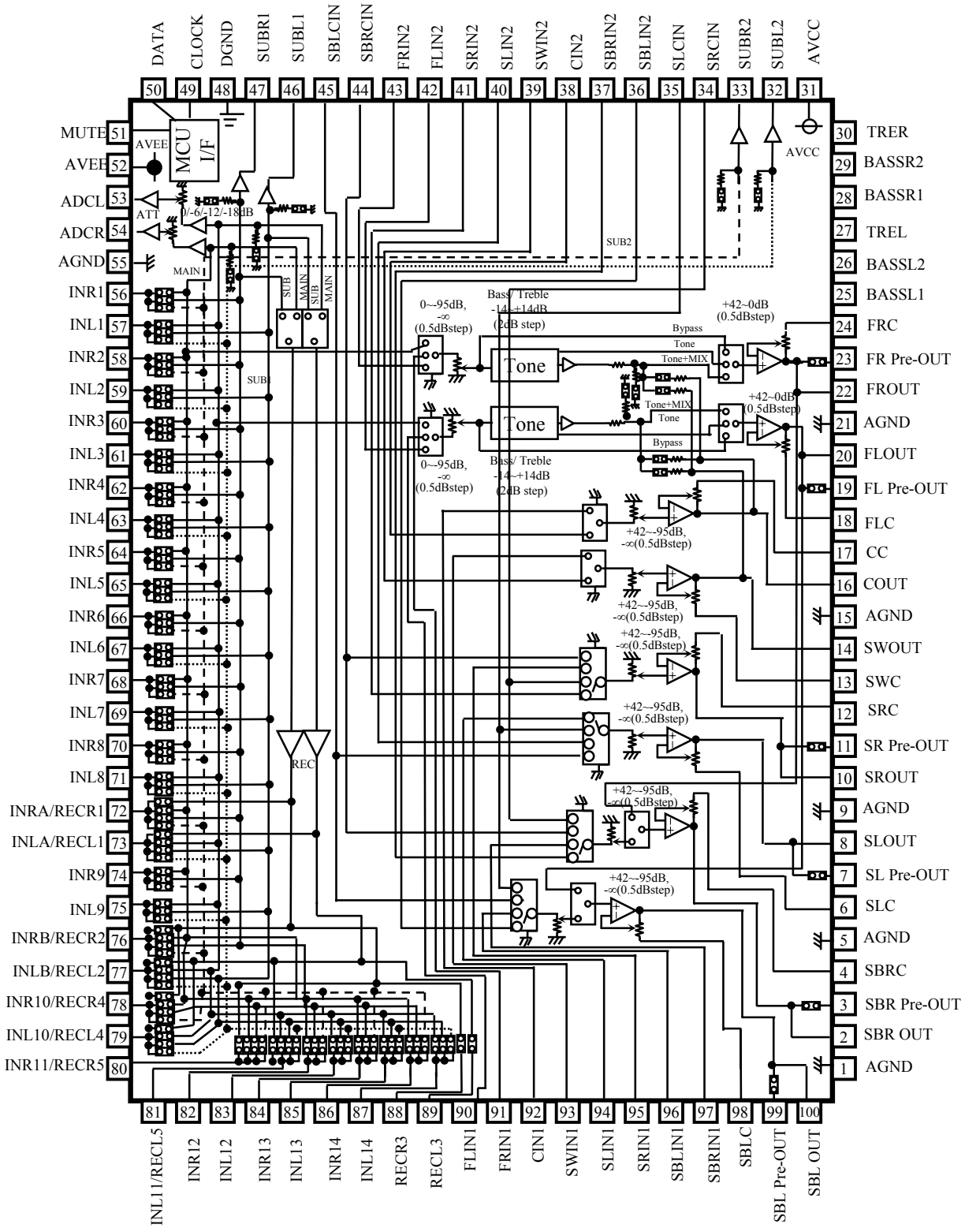
Note 3. PCM mode and DSD mode are controlled by registers. Daisy Chain mode is controlled by both registers and pins.

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

FUNCTIONAL BLOCK DIAGRAM



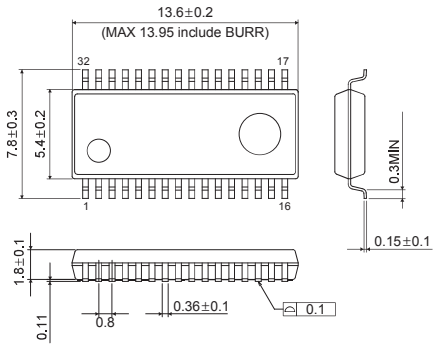
R2A15220FP (INPUT : IC471)



Pin Assignment

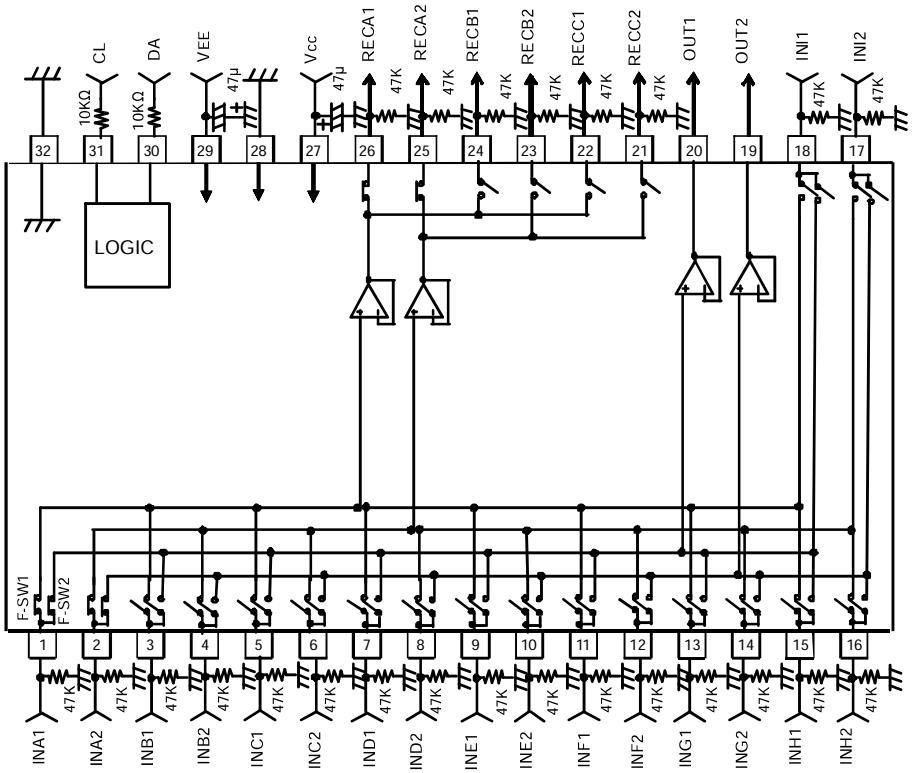
PIN No.	Name	Function
22,20, 16,14, 10, 8, 2, 100	FROUT,FLOUT, COUT,SWOUT, SROUT, SLOUT, SBROUT,SBLOUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
23,19, 11, 7, 3, 99	FR Pre-out,FL Pre-out, SR Pre-out, SL Pre-out, SBR Pre-out,SBL Pre-out	Pre-output pin of FL/FR/SL/SR/SBL/SBR channel
24,18, 17,13, 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

BD3841FS (INPUT : IC484)

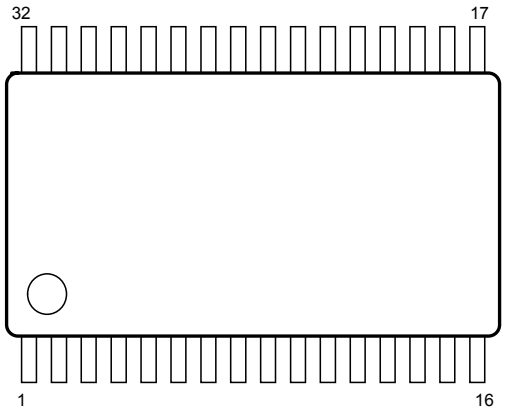


(Unit : mm)

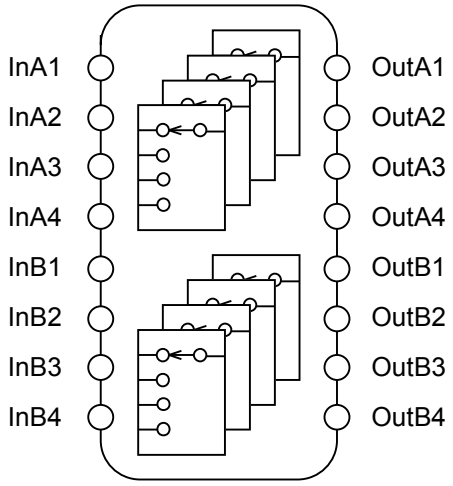
Block diagram



NJU72751V (INPUT : IC871)



Block Diagram

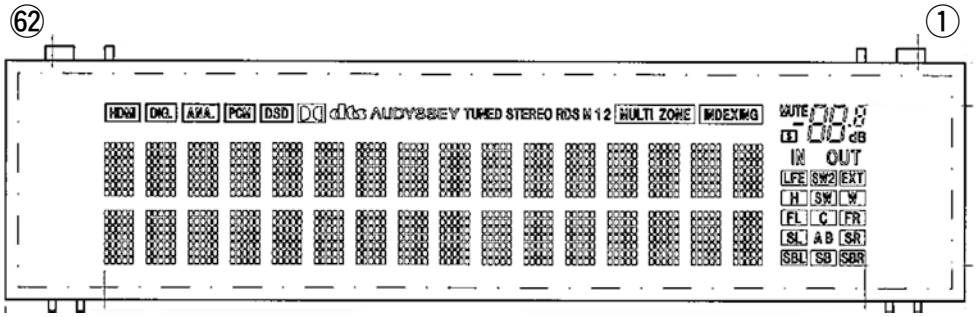


Pin Assignment

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



PIN CONNECTION

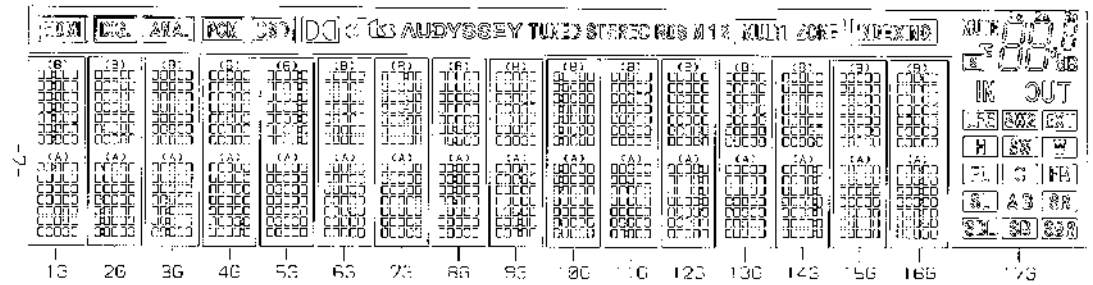
PIN CONNECTION

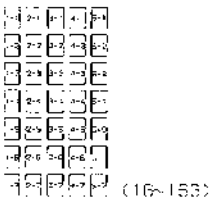
PIN NO.	62	61	60	59	58	57	56	55	54	53	52	51
CONNECTION	F2	NX	NP	NP	LGND	PGND	VH	VDD	OSC	-RESET	-CS	CP

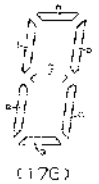
PIN NO.	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	09	08	07	06	05	04	03	02	01
CONNECTION	DA	TSA	TSB	Q117G	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NP	NP	NX	F1

NOTE 1) F1,F2 --- Filament
2) NP ------ No pin
3) DL ------ Datum Line
4) NX ------ No extend pin
5) 17G ----- Grid
6) Q17G ---- Driver Output Port
7) LGND ---- Logic GND pin
8) PGND ---- Power GND pin
9) VH ------ High Voltage Supply pin
10) VDD ----- Logic Voltage Supply pin
11) OSC ----- Pin for self-oscillation
12) RESET --- Reset Input
13) CS ------ Chip Select Input pin
14) CP ------ Shift Register Clock
15) DA ------ Serial Data Input
16) TSA,B --- Test pin
17) Solder composition is Sn-3Ag-0.5Cu.
18) Field of vision is a minimum of 17.6° from the lower side.

GRID ASSIGNMENT





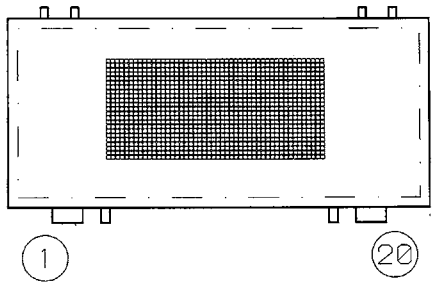


ANODE CONNECTION

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

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

FLD (GP1261AI) (FRONT : FLT4400)

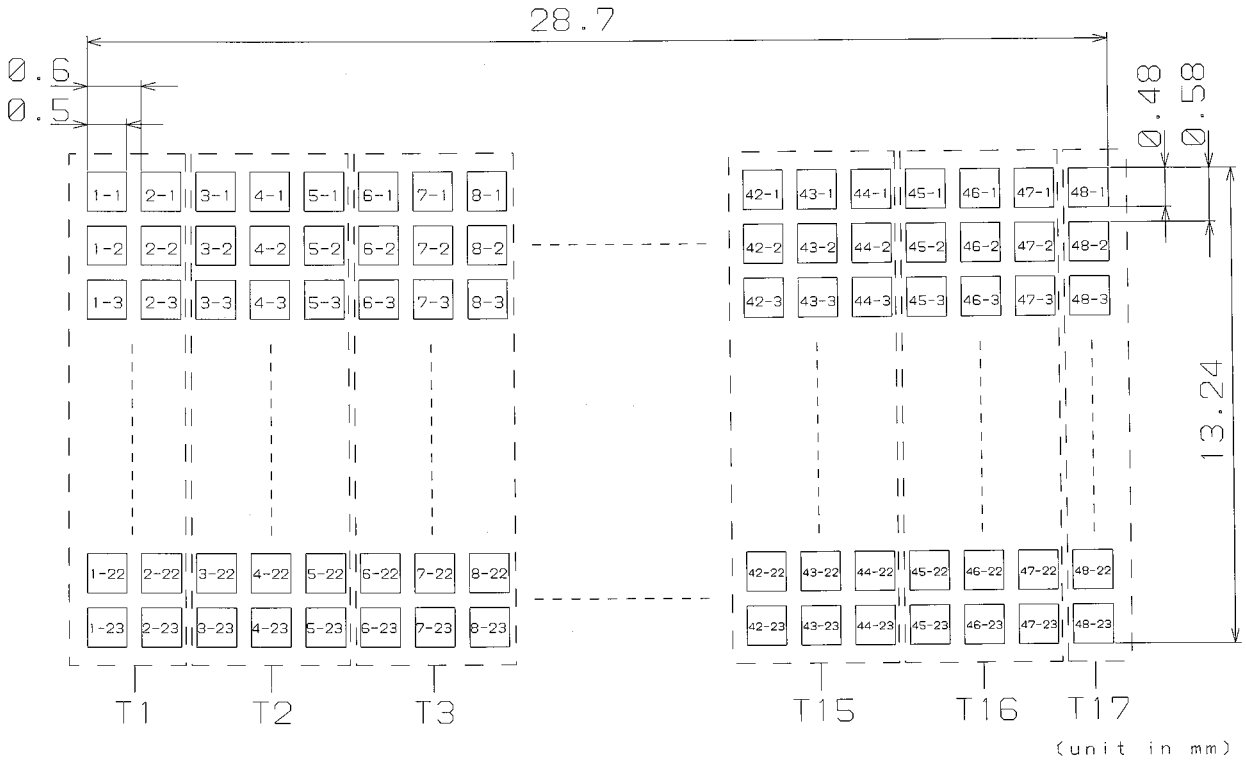


PIN CONNECTION

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	INT	RESET	DIO	CLK	CS	OSC	VH	NC	NC	PGND	LGND	VDD	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) $\overline{CS}$ ------ Chip Select Input pin
10) CLK ----- Shift Register Clock
11) DIO ------ Serial Data Input
12) $\overline{RESET}$ --- 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



(unit in mm)

COLOR OF ILLUMINATION

Green (G. x=0.24,y=0.41) - - - - - AOO graphics.

ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G	14G	15G	16G	17G (AD3)	18G (AD4)
D0	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	S9	-
D1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	3d	-
D2	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	2d	-
D3	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	3e	-
D4	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1	2e	-
D5	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	3c	-
D6	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2c	-
D7	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3g	-
D8	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	2g	-
D9	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2	3f	-
D10	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	2f	-
D11	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	3b	-
D12	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	2b	-
D13	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	3a	-
D14	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3	2a	-
D15	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	Dp	-
D16	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	dB	-
D17	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	1d	-
D18	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	1e	-
D19	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4	1c	-
D20	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1g	-
D21	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	1f	-
D22	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	1b	-
D23	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	1a	AUTO
D24	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	S1	HDMI
D25	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	S2	DIGITAL
D26	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	S3	ANALOG
D27	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	S4	S.BACK
D28	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	S5	DD
D29	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	S6	dts
D30	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	S7	AUDYSSEY
D31	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7	S8	TUNED
D32	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7	MUTE	STEREO
D33	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	PCM	RDS
D34	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	Z2	SLEEP
AD1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DIG.	-
AD2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ANA.	-

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							
	D6021	90M-HD302360R	DIODE , ZENER ,1/2W, 6.8V		CVDZJ6.8BT	1		
	D6023,6024	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	2		
	D6026	943202007690S	DIODE , ZENER ,1/2W, 18V		CVDZJ18BT	1		
	D6027	00D9430087209	DIODE , ZENER ,1/2W, 24V		CVDZJ24BT	1		
	D6029,6030	90M-HI101190R	L.E.D , BLUE		CVD52CSBBCEAB2	2		
	D6033,6034	90M-HI101190R	L.E.D , BLUE		CVD52CSBBCEAB2	2		
	D6037,6038	263010046507S	LED , SUPER RED		CVDBLBUF4V5K1AV	2		
	D6039-6041	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	3		
	D6453-6455	963209003510S	DIODE , RELIABLE ESD PROTECTION		CVDCDS3C05HDMI1	3		
	D6511	nsp	RES, CHIP(3216/5%/10ohm)		CRJ14CJ100T	1		
	D6691	nsp	RES, CHIP(3216/5%/10ohm)		CRJ14CJ100T	1		
	D6694	nsp	RES, CHIP(3216/5%/10ohm)		CRJ14CJ100T	1		
	D6712	00D2760694903	DIODE , ZENER(CHIP,5.1V)		HVDUDZS5.1BSR	1		
	D6729,6730	00D2760694903	DIODE , ZENER(CHIP,5.1V)		HVDUDZS5.1BSR	2		
	D6752	nsp	RES, CHIP(3216/5%/10ohm)		CRJ14CJ100T	1		
	IC601	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)		CVIAZ4580MTR-E1	1		
	IC603	963231101200S	I.C, REGULATOR(ADJ/TO-252)		CVINJM2887DL3	1		
	IC607	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	Q6005	943219006820S	T.R		CVTKTC1027YT	1		
	Q6011	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q6014-6016	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	3		
	Q6042	943214500020S	T.R,2SC3052		CVT2SC3052	1		
	Q6081	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q6112	943215500020S	T.R,RT1P141C(10K-10K)		CVTRT1P141C	1		
	Q6152,6153	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q6313,6314	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q6702	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	RESISTOR GROUP							
	R6001,6002	nsp	RES, CHIP(1608/5%/200ohm)		CRJ10DJ201T	2		
	R6003,6004	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R6005	nsp	RES, CHIP(1608/5%/1ohm)		CRJ10DJ1R0T	1		
	R6006	nsp	RES, CHIP(1608/5%/2.2ohm)		CRJ10DJ2R2T	1		
	R6016	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6024	nsp	RES, M-OXIDE FILM(1W/4.7ohm)		CRG1SANJ4R7RT	1		
	R6025,6026	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R6031	nsp	RES, CHIP(1608/5%/27Kohm)		CRJ10DJ273T	1		
	R6032	nsp	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	1		
	R6033,6034	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R6038,6039	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R6041	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6042	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R6043	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R6044	nsp	RES, CHIP(1608/5%/390Kohm)		CRJ10DJ394T	1		
	R6046	nsp	RES, CHIP(1608/5%/120Kohm)		CRJ10DJ124T	1		
	R6049-6051	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	3		
	R6058-6060	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	3		
	R6066-6068	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	3		
	R6071-6073	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	3		
	R6079-6081	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	3		
	R6082	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R6084,6085	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R6088,6089	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R6093-6096	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	4		
	R6097,6098	nsp	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	2		
	R6105	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R6106	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R6108	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R6109	nsp	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1		
	R6110	nsp	RES, CHIP(1608/5%/75Kohm)		CRJ10DJ753T	1		
	R6111	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R6112	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R6115,6116	nsp	RES, CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	2		
	R6117	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R6119	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R6121	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R6123	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R6128	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R6147	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R6151	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R6147	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R6151	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R6154	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R6155	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R6301	nsp	RES, CHIP(1608/5%/300ohm)		CRJ10DJ301T	1		
	R6302	nsp	RES, CHIP(1608/5%/390ohm)		CRJ10DJ391T	1		
	R6351,6352	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R6353,6354	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R6421,6422	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R6423,6424	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R6451	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1		
	R6452-6454	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	3		
	R6503	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6601,6602	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R6603-6605	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	3		
	R6607	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R6613,6614	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R6703	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6704	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R6711	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1		
	R6718	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6719	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R6720	nsp	RES, CHIP(1608/5%/18Kohm)		CRJ10DJ183T	1		
	R6721	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R6723	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R6726	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R6734	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	CAPACIITORS GROUP							
	C6007	nsp	CAP , ELECT(63V/470uF)		CCEA1JH471E	1		
	C6008	nsp	WIRE, COPPER(D0.6)		C3A206	1		
	C6014	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6021	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6022,6023	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C6025	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6027	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6034	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6046	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6052	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C6071-6073	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	3		
	C6081	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6083	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C6091-6093	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	3		
	C6094	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6095	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6096-6098	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	3		
	C6099	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C6113	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6114	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6128	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6151	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6152,6153	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C6353,6354	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R)_SAMSUNG		CCUS1H473KCS	2		
	C6380,6381	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C6423,6424	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R)_SAMSUNG		CCUS1H473KCS	2		
	C6453	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6454	nsp	CAP, ELECT(10V/220uF)-S		CCEA1AKS221T	1		
	C6501,6502	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	2		
	C6511	nsp	CAP, ELECT(50V/1uF)-S		CCEA1HKS1R0T	1		
	C6512	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6513	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	C6523	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6601	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6603,6604	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C6623,6624	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C6691	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6693	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6702	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6712	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6719	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C6720	nsp	CAP, CHIP(1608, 50V/82pF, C0G)_SAMSUNG		CCUS1H820JAS	1		
	C6731,6732	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	2		
	C6733,6734	nsp	CAP, CHIP(1608, 50V/0.047uF, X7R)_SAMSUNG		CCUS1H473KCS	2		
	C6735	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	1		
	C6753	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6801	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6907	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C6909-6912	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	4		
	OTHER PARTS GROUP							
	BK601	nsp	BRACKET , PCB		CMD1A569-V1	1		
	BK604	nsp	BRACKET , VFD		CMD1A793	1		
	BK605,606	nsp	BRACKET , FLT		CMD1A209-V1	2		
	BN321	nsp	WIRE ASS'Y (5P,2.0mm,450mm,UL2725#24/#28,1P+2C)USB		CWB8A005450HC	1		
	BN605	nsp	WIRE ASS'Y , (5P, 100mm, 2mm PITCH, UL1007, #24)		CWB1C005100CC	1		
	BN608	nsp	WIRE ASS'Y , (3P, 80mm, 2mm PITCH, UL1007, #24)		CWB1C003080CC	1		
	BU607	nsp	SUPPORT , IR		CHG1A533	1		
	CN602	nsp	WAFER/ANGLE/2.5mm/07P		CJP07GB03ZY	1		
	CN69A	nsp	WAFER, FFC(40P-1mm,ANGLE)		CJP40GB284ZN	1		
!	F6001	943652000620S	FUSE(372 Series/100mA/TR5)		CBA2D0100A3EYT	1		
	FL601	17201001300AS	VFD , FUTABA , 17-BT-040GINK , CIG-TYPE		CFL17BT040GINK	1		
	FL602	172010008005S	VFD		CFLGP1261AI	1		
	JK604	943643101590S	JACK, USB STRAIGHT(BLACK 1.5A)		CJJ9X010Z	1		
	JK605	90M-YT004500R	JACK, PHONES(6.35mm,SILVER)		CJJ2E026Z	1		
	JK606	943643102980S	JACK, 3P(B/B/B)with S/W, SILVER, VERTICAL		CJJ4S051Z	1		
	JK607	943643102220S	JACK, MONO, 3.5mm, SILVER		CJJ1D004Z	1		
	JW603,604	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	2		
	L6451,6452	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	L6501	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	LD601	943263100860M	L.E.D,(GREEN/RED 3PI)		CVDWEJ3290W-R2H0-BA	1		
	LUG61	nsp	WIRE ASS'Y		CWE8202100RV	1		
	LUG65	nsp	WIRE ASS'Y(1P)		CWE8202080RV	1		
	RC601	262010007707S	SENSOR, REMOTE(36.7KHz)		CRVHM336R	1		
	S6001-6023	00D9430004402	SW , TACT		CST1A012ZT	23		
	S6024	665010017006S	SW, SLIDE (1C2P, 12V , 0.1A)		CSS1B001Z	1		
	VR601	943663001560S	ENCODER(16MM, 24PULSES),W/O CLICK		CSR2A047Z	1		
	VR604	943671101000D	ENCODER(16MM, 12PULSES)		CSR2A060Z	1		

VIDEO 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							
	D5161	00D2760718902	DIODE, SCHOTTKY, 30V		CVDRB521S-30	1		
	D5211	943202500740D	DIODE , ZENER(16V/0.5W, SOD-123)		CVDMM1Z16H	1		
	D5221	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	235810046603S	I.C , MULTI INPUT VIDEO		CVIAVDM2000	1		
	IC513	943239010400S	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1		
	IC521	963239008800S	I.C, RS232 (3.3V)		CVIILX3232DT	1		
	Q5211	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q5212	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q5221	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q5222	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q5253	9432155000305	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q5311	9432155000205	T.R,RT1P141C(10K-10K)		CVTRT1P141C	1		
	Q5312	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q5313,5314	9432155000205	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		
	R5104	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R5107	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5109	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5110	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R5111	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5112	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R5121-5126	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	6		
	R5131-5136	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	6		
	R5151-5156	nsp	RES, CHIP(1608/1%/150ohm)		CRJ10DF1500T	6		
	R5171,5172	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R5173,5174	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R5175	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5176	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R5177	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5178	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R5179	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5180,5181	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	2		
	R5183-5186	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	4		
	R5187-5189	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	3		
	R5190	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R5193	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
	R5194	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R5211	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R5212	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R5221	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R5222	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R5223,5224	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	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							
	C5107-5109	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	3		
	C5121-5123	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	3		
	C5131-5133	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	3		
	C5151-5153	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	3		
	C5161	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C5162	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C5163	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C5164	nsp	CAP, ELECT(16V/47uF)		CCEA1CH470T	1		
	C5165,5166	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C5171	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C5174-5176	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	3		
	C5178-5181	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	4		
	C5182,5183	nsp	CAP, ELECT(16V/47uF)		CCEA1CH470T	2		
	C5184-5192	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	9		
	C5193	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C5194	nsp	WIRE, COPPER(D0.6)		C3A206	1		
	C5212,5213	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C5214	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C5222,5223	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C5224	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(50V/10uF)		CCEA1HH100T	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		
	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							
	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	943643103010S	JACK, RCA 5P (Y/Y/Y/Y/Y) GOLD		CJJ4T002Z	1		
	JK512,513	943643102160S	JACK, 6P(G/G,B/B,R/R), GOLD		CJJ4R055Z	2		
	JK521	943646100420S	JACK, 9P D-SUB FEMALE(RS-232C)		CJJ9W001Z	1		
	JK522,523	90M-YT004860R	JACK, STEREO (BLK MOLD)		CJJ2D008Z	2		
	JK526	90M-YT004860R	JACK, STEREO (BLK MOLD)		CJJ2D008Z	1		
	JK531	90M-YT003120R	JACK, 2P(ORG), SEPA-GND, SILVER		CJJ4N036Z	1		
	RC521	262010007707S	SENSOR, REMOTE(36.7KHz)		CRVHM336R	1		

XLR 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							
	D9200-9212	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	13		
	D9233,9234	nsp	WIRE, COPPER(D0.6)		C3A206	2		
	D9303,9304	nsp	WIRE, COPPER(D0.6)		C3A206	2		
	D9315-9318	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	4		
	D9331	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	1		
	D9333	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	1		
	D9336	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	1		
	D9338-9340	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	3		
	D9342,9343	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	2		
	D9345	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	1		
	D9348	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	1		
	D9350	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	1		
	D9355,9356	nsp	WIRE, COPPER(D0.6)		C3A206	2		
	D9400	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D9500	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D9501	943202500870S	DIODE , ZENER(3.0V/0.5W, SOD-123)		CVDMM1Z3V0H	1		
	IC931	943231010390S	I.C,REGULATOR(+5V,T0220IS)		CVIKIA7805BPI	1		
	IC933	943232100370S	I.C,REGULATOR(+12V,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		
	IC940	00MHC10200090	I.C , HEADPHONE (JRC)		HVINJM4556AL	1		
	Q9200	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
	Q9202,9203	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	2		
	Q9205	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
	Q9207	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
	Q9209	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
	Q9211,9212	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	2		
	Q9400	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
	RESISTOR GROUP							
	R9213,9214	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9215,9216	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9217,9218	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9219,9220	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9221,9222	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9223,9224	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9225,9226	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9227,9228	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9229,9230	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9231,9232	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9233,9234	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9235,9236	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9237,9238	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9239,9240	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9241,9242	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9243,9244	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9245,9246	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9247,9248	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9249,9250	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9251,9252	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9253,9254	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9255,9256	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9257,9258	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9259,9260	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9261,9262	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9263,9264	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9265,9266	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9267,9268	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9269,9270	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9271,9272	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9273,9274	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9275,9276	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9277,9278	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9279,9280	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9281,9282	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9283,9284	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9285,9286	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R9301,9302	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R9303,9304	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R9401	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1		
	R9402	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R9403-9406	nsp	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	4		
	R9407	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R9408	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1		
	R9409-9411	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	3		
	R9412-9415	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	4		
	R9416-9418	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	3		
	R9500	nsp	RES, M-OXIDE FILM(1W/470ohm)		CRG1SANJ471RT	1		
	R9801-9804	nsp	RES, CHIP(1608/5%/100ohm)	N	CRJ10DJ101T	4		
	R9806	nsp	RES, CHIP(1608/5%/100ohm)	N	CRJ10DJ101T	1		
	R9819,9820	nsp	RES, CHIP(1608/5%/27Kohm)	N	CRJ10DJ273T	2		
	R9821,9822	nsp	RES, CHIP(1608/5%/0ohm)	N	CRJ10DJ0R0T	2		
	R9823,9824	nsp	RES, CHIP(1608/5%/270ohm)	N	CRJ10DJ271T	2		
	CAPACIITORS GROUP							
	C9213,9214	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9215,9216	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	2		
	C9219,9220	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9221-9224	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	4		
	C9225,9226	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9227	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C9231,9232	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9233	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C9237,9238	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9239,9240	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	2		
	C9243,9244	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9245-9248	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	4		
	C9249,9250	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9251	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C9255,9256	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9257	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C9261,9262	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9263,9264	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	2		
	C9267,9268	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9273,9274	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C9275	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C9279,9280	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9281	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C9285,9286	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	2		
	C9287	nsp	CAP, CHIP(1608, 50V/1000pF, X7R)_SAMSUNG		CCUS1H102KCS	1		
	C9301	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C9303	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C9306	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C9309	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	1		
	C9311,9312	943134010600S	CAP, ELECT(16V/3300uF)		CCEA1CH332E	2		
	C9315,9316	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C9317,9318	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	2		
	C9321,9322	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	2		
	C9331-9337	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQI1H104JZT	7		
	C9401	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	1		
	C9402	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C9403-9405	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	3		
	C9407	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C9408	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	1		
	C9409	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C9500	00D2544578711	CAP, ELECT(16V/2200uF),ELNA/RA3		CCEA1CRA38P222E	1		
	C9501	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C9801-9803	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG	N	CCUS1H101JAS	3		
	C9804	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG	N	CCUS1H104KCS	1		
	C9806	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG	N	CCUS1H101JAS	1		
	C9811	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG	N	CCUS1H104KCS	1		
	OTHER PARTS GROUP							
	BD981	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)	N	CLZ9R005V	1		
	BK901-903	nsp	PLATE, MAIN PCB		CMC2A424	3		
	BK921,922	nsp	BRACKET , PCB		CMD1A569-V1	2		
	BK931	nsp	BRACKET , PCB		CMD1A629	1		
	BN920	nsp	WIRE ASS'Y LOCKING (9P,2.0MM,200MM,UL1007#26)		CWB1B009200HC	1		
	BN921	nsp	WIRE ASS'Y (15P,2.0MM,200MM,UL1007#26)		CWB1B015200HC	1		
	BN922	nsp	WIRE ASS'Y (13P,2.0MM,200MM,UL1007#26)		CWB1B013200HC	1		
	BN923	nsp	WIRE ASS'Y (7P,2.0MM,200MM,UL1007#26)		CWB1B007200HC	1		
	BN932	nsp	PIN HEADER (07P,1.25mm,STRAIGHT,B-TO-B)		CJP07GI281Z	1		
	BN932A	nsp	PIN SOCKET (07P,1.25mm,ANGLE,B-TO-B)		CJP07HJ282Z	1		
	BN933	nsp	PIN HEADER (07P,1.25mm,STRAIGHT,B-TO-B)		CJP07GI281Z	1		
	BN933A	nsp	PIN SOCKET (07P,1.25mm,ANGLE,B-TO-B)		CJP07HJ282Z	1		
	CN25D	nsp	PIN HEADER (25P,1.25mm,STRAIGHT,B-TO-B)		CJP25GI281Z	1		
	CN77D	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1		
	CN940	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1		
	CN941	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/3PIN		CJP03GI289ZY	1		
	F9331-9335	nsp	HOLDER , FUSE		KJCFC5S	5		
!	F9331-9335	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	5		
	J9301	nsp	WIRE, COPPER(D0.6)	N	C3A206	1		
	JK920-932	943643103070S	JACK, XLR,Male type		CJS6S013Z	13		
	RY920-932	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	13		
	RY940	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
	TU901	943183100640S	TUNER , RDS , FM(PAL TYPE) , AM , SI4731-D60	N	CNVYST990-D8E2	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
	SEMICONDUCTORS GROUP							
	IC961	231310009508S	I.C , REGULATOR (3.3V)	U	CVIPQ033DNA1ZPH	1		
	IC962	943232100380S	I.C , DUAL OPAMP(SOP-8P)	U	CVINJM8080G	1		
	RESISTOR GROUP							
	R9605,9606	nsp	RES, CHIP(1608/5%/39Kohm)	U	CRJ10DJ393T	2		
	R9607,9608	nsp	RES, CHIP(1608/5%/24Kohm)	U	CRJ10DJ243T	2		
	R9609,9610	nsp	RES, CHIP(1608/5%/100Kohm)	U	CRJ10DJ104T	2		
	R9612,9613	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	2		
	R9621	nsp	RES, CHIP(1608/5%/15Kohm)	U	CRJ10DJ153T	1		
	R9622,9623	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	2		
	R9624	nsp	RES, CHIP(1608/5%/15Kohm)	U	CRJ10DJ153T	1		
	R9644-9646	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	3		
	CAPACIITORS GROUP							
	C9601	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG	U	CCUS1H104KCS	1		
	C9602-9605	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	4		
	C9607,9608	nsp	CAP, CHIP(1608, 50V/470pF, C0G)_SAMSUNG	U	CCUS1H471JAS	2		
	C9609,9610	nsp	CAP, CHIP(1608, 50V/33pF, C0G)_SAMSUNG	U	CCUS1H330JAS	2		
	C9611	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG	U	CCUS1H104KCS	1		
	C9612	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG	U	CCUS1A105KCS	1		
	C9613	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG	U	CCUS1H104KCS	1		
	C9614	nsp	CAP, CHIP(1608, 10V/1uF, X7R, X7S)_SAMSUNG	U	CCUS1A105KCS	1		
	C9615-9618	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	4		
	C9622	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG	U	CCUS1H104KCS	1		
	C9644-9646	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG	U	CCUS1H101JAS	3		
	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		
	CN27B	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1		
	CN28B	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		
	CN961	nsp	WAFER, FFC(13P-1.25mm, STRAIGHT)	U	CJP13GA115ZY	1		
	JW96	nsp	WIRE ASS'Y(1P, 80MM,BLK,#22)		CWE5202080A	1		

H-DAM 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							
	D8009,8010	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8039,8040	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8062,8063	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8092,8093	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8115,8116	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8145,8146	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8168,8169	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8198,8199	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8221,8222	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8251,8252	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8274,8275	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8304,8305	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8327,8328	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8356,8357	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8380,8381	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8410,8411	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8433,8434	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8463,8464	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8486,8487	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8516,8517	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8539,8540	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8569,8570	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8592,8593	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8622,8623	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8645,8646	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8675,8676	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D9400-9402	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	3		
	D9406	943203500550S	DIODE , BRIDGE(600V/6A)		CVDD5SB60	1		
	D9414	943202501010S	DIODE , ZENER(12V/0.5W, SOD-123)		CVDMM1Z12H	1		
	D9418	943202501010S	DIODE , ZENER(12V/0.5W, SOD-123)		CVDMM1Z12H	1		
	D9424,9425	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	Q8005	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8006	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8009	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8010	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8013	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8014	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8016	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8017	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8021	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8022	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8027	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8028	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8031	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8032	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8034	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8035	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8039	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8040	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8043	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8044	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8046	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8047	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8050	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8051	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8058	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8059	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8062	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8063	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8066	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8067	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8069	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8070	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8074	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8075	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8080	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8081	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8084	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8085	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8084	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8085	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8087	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8088	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8092	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8093	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8096	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8097	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8099	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8100	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8103	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8104	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8111	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8112	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8115	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8116	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8119	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8120	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8122	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8123	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8127	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8128	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8133	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8134	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8137	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8138	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8140	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8141	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8145	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8146	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8149	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8150	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8152	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8153	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8156	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8157	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8164	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8165	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	Q8168	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8169	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8172	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8173	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8175	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8176	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8180	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8181	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8186	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8187	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8190	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8191	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8193	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8194	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8198	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8199	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8202	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8203	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8205	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8206	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8209	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8210	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8217	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8218	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8221	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8222	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8225	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8226	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8228	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8229	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8233	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8234	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8239	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8240	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8243	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8244	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8246	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8247	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8251	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8252	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8255	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8256	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8258	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8259	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8262	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8263	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8270	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8271	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8274	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8275	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8278	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8279	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8281	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8282	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8286	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8287	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8292	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8293	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8296	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8297	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8299	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8300	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8304	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8305	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8308	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8309	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8311	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8312	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8315	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8316	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8323	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8324	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8327	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8328	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8331	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8332	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8334	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8335	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8339	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8340	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8345	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8346	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8349	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8350	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8352	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8353	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8356	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8357	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8361	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8362	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8364	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8365	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8368	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8369	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8376	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8377	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8380	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8381	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8384	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8385	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8387	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8388	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8392	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8393	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8398	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8399	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8402	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8403	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8405	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8406	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8410	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8411	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8414	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	Q8415	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8417	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8418	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8421	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8422	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8429	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8430	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8433	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8434	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8437	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8438	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8440	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8441	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8445	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8446	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8451	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8452	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8455	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8456	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8458	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8459	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8463	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8464	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8467	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8468	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8470	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8471	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8474	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8475	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8482	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8483	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8486	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8487	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8490	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8491	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8493	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8494	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8498	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8499	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8504	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8505	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8508	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8509	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8511	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8512	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8516	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8517	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8520	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8521	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8523	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8524	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8527	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8528	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8535	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8536	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8539	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8540	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8543	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8544	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8546	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8547	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8551	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8552	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8557	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8558	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8561	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8562	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8564	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8565	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8569	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8570	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8573	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8574	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8576	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8577	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8580	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8581	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8588	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8589	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8592	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8593	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8596	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8597	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8599	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8600	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8604	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8605	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8610	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8611	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8614	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8615	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8617	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8618	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8622	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8623	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8626	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8627	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8629	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8630	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8633	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8634	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8641	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8642	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8645	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8646	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8649	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8650	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8652	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8653	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8657	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8658	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8663	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8664	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	Q8667	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8668	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8670	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8671	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8675	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8676	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8679	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8680	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8682	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8683	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8686	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8687	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q9400-9402	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	3		
	Q9422	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q9423	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q9424	00D2740198005	T.R		HVTKTD998O	1		
	Q9425	00D2720158007	T.R		HVTKTB778O	1		
	RESISTOR GROUP							
	R8001,8002	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8003	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8004	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8005,8006	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8007,8008	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8009,8010	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8011,8012	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8013,8014	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8015	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8016,8017	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8018	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8019,8020	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8021,8022	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8023	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8024	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8025,8026	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8027,8028	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8029,8030	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8031,8032	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8033	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8034,8035	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8036,8037	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8038	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8039,8040	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8041,8042	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8043,8044	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8045	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8046,8047	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8048,8049	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8050,8051	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8052	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8053	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8054,8055	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8056	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8057	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8058,8059	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8060,8061	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8062,8063	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8064,8065	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8066,8067	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8068	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8069,8070	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8071	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8072,8073	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8074,8075	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8076	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8077	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8078,8079	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8080,8081	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8082,8083	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8084,8085	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8086	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8087,8088	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8089,8090	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8091	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8092,8093	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8094,8095	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8096,8097	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8098	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8099,8100	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8101,8102	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8103,8104	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8105	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8106	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8107,8108	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8109	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8110	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8111,8112	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8113,8114	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8115,8116	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8117,8118	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8119,8120	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8121	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8122,8123	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8124,8125	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8126	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8127,8128	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8129	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8130	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8131,8132	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8133,8134	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8135,8136	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8137,8138	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8139	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8140,8141	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8142,8143	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8144	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8145,8146	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8147,8148	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8149,8150	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8151	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8152,8153	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8154,8155	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8156,8157	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8158	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R8159	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8160,8161	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8162	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8163	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8164,8165	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8166,8167	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8168,8169	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8170,8171	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8172,8173	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8174	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8175,8176	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8177,8178	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8179	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8180,8181	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8182	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8183	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8184,8185	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8186,8187	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8188,8189	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8190,8191	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8192	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8193,8194	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8195,8196	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8197	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8198,8199	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8200,8201	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8202,8203	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8204	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8205,8206	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8207,8208	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8209,8210	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8211	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8212	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8213,8214	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8215	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8216	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8217,8218	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8219,8220	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8221,8222	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8223,8224	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8225,8226	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8227	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8228,8229	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8230,8231	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8232	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8233,8234	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8235	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8236	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8237,8238	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8239,8240	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8241,8242	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8243,8244	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8245	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8246,8247	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8248,8249	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8250	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8251,8252	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8253,8254	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8255,8256	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8257	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8258,8259	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8260,8261	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8262,8263	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8264	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8265	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8266,8267	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8268	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8269	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8270,8271	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8272,8273	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8274,8275	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8276,8277	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8278,8279	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8280	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8281,8282	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8283,8284	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8285	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8286,8287	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8288	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8289	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8290,8291	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8292,8293	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8294,8295	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8296,8297	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8298	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8299,8300	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8301,8302	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8303	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8304,8305	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8306,8307	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8308,8309	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8310	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8311,8312	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8313,8314	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8315,8316	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8317	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8318	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8319,8320	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8321	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8322	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8323,8324	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8325,8326	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8327,8328	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8329,8330	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8331,8332	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8333	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8334,8335	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8336,8337	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8338	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8339,8340	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8341	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8342	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8343,8344	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R8345,8346	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8347,8348	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8349,8350	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8351	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8352,8353	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8354,8355	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8356,8357	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8358	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8359,8360	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8361,8362	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8363	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8364,8365	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8366,8367	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8368,8369	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8370	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8371	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8372,8373	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8374	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8375	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8376,8377	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8378,8379	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8380,8381	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8382,8383	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8384,8385	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8386	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8387,8388	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8389,8390	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8391	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8392,8393	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8394	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8395	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8396,8397	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8398,8399	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8400,8401	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8402,8403	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8404	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8405,8406	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8407,8408	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8409	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8410,8411	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8412,8413	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8414,8415	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8416	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8417,8418	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8419,8420	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8421,8422	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8423	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8424	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8425,8426	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8427	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8428	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8429,8430	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8431,8432	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8433,8434	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8435,8436	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8437,8438	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8439	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8440,8441	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8442,8443	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8444	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8445,8446	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8447	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8448	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8449,8450	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8451,8452	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8453,8454	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8455,8456	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8457	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8458,8459	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8460,8461	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8462	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8463,8464	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8465,8466	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8467,8468	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8469	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8470,8471	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8472,8473	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8474,8475	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8476	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8477	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8478,8479	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8480	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8481	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8482,8483	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8484,8485	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8486,8487	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8488,8489	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8490,8491	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8492	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8493,8494	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8495,8496	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8497	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8498,8499	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8500	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8501	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8502,8503	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8504,8505	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8506,8507	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8508,8509	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8510	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8511,8512	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8513,8514	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8515	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8516,8517	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8518,8519	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8520,8521	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8522	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8523,8524	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8525,8526	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8527,8528	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8529	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8530	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8531,8532	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R8533	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8534	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8535,8536	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8537,8538	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8539,8540	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8541,8542	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8543,8544	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8545	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8546,8547	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8548,8549	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8550	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8551,8552	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8553	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8554	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8555,8556	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8557,8558	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8559,8560	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8561,8562	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8563	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8564,8565	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8566,8567	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8568	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8569,8570	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8571,8572	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8573,8574	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8575	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8576,8577	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8578,8579	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8580,8581	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8582	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8583	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8584,8585	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8586	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8587	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8588,8589	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8590,8591	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8592,8593	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8594,8595	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8596,8597	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8598	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8599,8600	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8601,8602	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8603	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8604,8605	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8606	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8607	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8608,8609	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8610,8611	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8612,8613	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8614,8615	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8616	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8617,8618	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8619,8620	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8621	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8622,8623	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8624,8625	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8626,8627	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8628	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8629,8630	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8631,8632	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8633,8634	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8635	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8636	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8637,8638	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	2		
	R8639	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8640	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R8641,8642	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8643,8644	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8645,8646	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8647,8648	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8649,8650	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8651	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8652,8653	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8654,8655	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8656	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8657,8658	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8659	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8660	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8661,8662	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	2		
	R8663,8664	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8665,8666	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8667,8668	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8669	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8670,8671	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8672,8673	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8674	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8675,8676	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8677,8678	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8679,8680	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	2		
	R8681	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8682,8683	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8684,8685	nsp	RES, CHIP(1608/5%/9.1Kohm)		CRJ10DJ912T	2		
	R8686,8687	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	2		
	R8688	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8689	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R9403-9413	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	11		
	R9414-9421	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	8		
	R9422,9423	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	CAPACIITORS GROUP							
	C8003	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8004	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8015	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8021,8022	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8023	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8025	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8045	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8052	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8056	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8057	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8068	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8074,8075	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8076	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8078	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C8098	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8105	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8109	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8110	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8121	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8127,8128	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8129	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8131	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8151	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8158	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8162	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8163	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8174	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8180,8181	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8182	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8184	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8204	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8211	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8215	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8216	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8227	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8233,8234	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8235	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8237	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8257	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8264	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8268	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8269	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8280	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8286,8287	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8288	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8290	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8310	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8317	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8321	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8322	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8333	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8339,8340	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8341	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8343	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8363	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8370	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8374	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8375	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8386	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8392,8393	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8394	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8396	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8416	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8423	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8427	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8428	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8439	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8445,8446	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8447	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8449	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8469	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8476	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8480	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8481	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8492	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8498,8499	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8500	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8502	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8522	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8529	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8533	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8534	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8545	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8551,8552	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8553	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8555	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8575	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8582	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8586	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8587	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8598	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8604,8605	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8606	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8608	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8628	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8635	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8639	00D2544573949	CAP, ELECT(50V/10uF),ELNA/RA3,5X11		CCEA1HRA38P100T	1		
	C8640	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8651	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8657,8658	00D2544579707	CAP, ELECT(50V/220uF),ELNA/RA3		CCEA1HRA3221T	2		2
	C8659	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8661	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C8681	nsp	CAP, CHIP(1608, 50V/220pF, C0G)_SAMSUNG		CCUS1H221JAS	1		
	C8688	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C9400-9402	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	3		
	C9403-9405	nsp	CAP, MYLAR(50V/0.01uF/J)		HCQI1H103JZT	3		
	C9406,9407	943134503300S	CAP, ELECT(4700uF/25V, LKG, 30X40, NICHICON)		CCEA1ELKG472N	2		
	C9414	nsp	CAP, CHIP(1608, 50V/680pF, C0G)_SAMSUNG		CCUS1H681JAS	1		
	C9415	943134502050D	CAP, ELECT(50V/100uF/50V,ELNA/RFSA(SILMIC II)		CCEA1HRFSA101E	1		
	C9418	nsp	CAP, CHIP(1608, 50V/680pF, C0G)_SAMSUNG		CCUS1H681JAS	1		
	C9419	943134502050D	CAP, ELECT(50V/100uF/50V,ELNA/RFSA(SILMIC II)		CCEA1HRFSA101E	1		
	C9422,9423	nsp	CAP, CHIP(1608, 50V/680pF, C0G)_SAMSUNG		CCUS1H681JAS	2		
	C9424,9425	943134502050D	CAP, ELECT(50V/100uF/50V,ELNA/RFSA(SILMIC II)		CCEA1HRFSA101E	2		
	OTHER PARTS GROUP							
	BK810	nsp	BRACKET , PCB		CMD1A569-V1	1		
	CN481	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN		CJP13GI288ZY	1		
	CN482	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/11PIN		CJP11GI288ZY	1		
	CN483	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN		CJP13GI288ZY	1		
	CN484	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/15PIN		CJP15GI288ZY	1		
	CN920	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/9PIN		CJP09GI288ZY	1		
	CN921	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/15PIN		CJP15GI288ZY	1		
	CN922	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN		CJP13GI288ZY	1		
	CN923	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/7PIN		CJP07GI288ZY	1		
	CN940	nsp	WAFER,YW396-03AB(7.92mm)		CJP03GA89ZY	1		
	F9400,9401	nsp	HOLDER , FUSE		KJCFC5S	2		
!	F9400,9401	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	2		
	GND94	nsp	PLATE , EARTH(TRONIC ELECTRONICS)		CJT1A026	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	RY940-942	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	3		

SMPS 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							
	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	*	2
	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		
	C9006-9008	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG	N	CCUS1H104KCS	3		
	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	943134503310S	CAP, ELECT(6.3V/5600uF/105'C),12.5X35"		CCEA0JKZH562EKS	3		
	C9023,9024	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C9028	943132100620S	CAP, CERAMIC(X1/Y1,3300P,AC250V)	U	CCKDKX332MEMN01F	1	*	
!	C9028	963132011930S	CAP, CERAMIC(X1/Y1,2200P,AC250V)	N	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		
!	CX901,902	943139500020S	CAP , POLYPROPYLENE FILM (0.1uF/275VAC)		CCQF2E104KZE-T	2		
!	CY901	943132100630S	CAP, CERAMIC(X1/Y1,1000P,AC250V)	U	CCKDKX102MEMN01F	1	*	
!	CY901	963134011730S	CAP, CERAMIC(X1/Y1,470P,AC250V)	N	CCKDKX471KBM	1		
!	CY902	943132100630S	CAP, CERAMIC(X1/Y1,1000P,AC250V)	U	CCKDKX102MEMN01F	1	*	
!	CY902	963134011730S	CAP, CERAMIC(X1/Y1,470P,AC250V)	N	CCKDKX471KBM	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		
	F9001,9002	nsp	HOLDER , FUSE		KJCFC5S	2		
!	F9001	963652010510S	FUSE(S506 Series, 250V,2A)	U	CBA2C2000TLEC	1		
!	F9001	963652010500S	FUSE(S506 Series, 250V,1.6A)	N	CBA2C1600TLEC	1		
!	F9002	943652500320M	FUSE(218Series, 250V/1.6A)	U	KBA2C1600TLEY	1		
!	F9002	943652001740S	FUSE(218Series, 250V/1A)	N	KBA2C1000TLEY	1		
	L9001	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
!	LF901	943111101290S	LINE FILTER(1.2A,29mH)	U	CLZ9Z176Z	1		4
!	LF901	943111101300S	LINE FILTER(0.7A,65mH)	N	CLZ9Z177Z	1		4
!	RY901	963682010370S	RELAY,HL31-1AT-5H,DC5V,1C1P		CSL1C006ZE	1		
!	T9001	943102100690S	TRANS, SWITCHING		CLT9Z119ZE	1		
	★	nsp	RUBBER , TRANS		CHG1A587	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	943239101840S	I.C , 8CH Premium DAC(QFN-48P)		CVIAK4458VN	1		
	IC302-305	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	4		
	IC311	943239101840S	I.C , 8CH Premium DAC(QFN-48P)		CVIAK4458VN	1		
	IC312-314	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	3		
	RESISTOR GROUP							
	R3001	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1		
	R3002	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R3011-3014	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	4		
	R3015-3018	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	4		
	R3019-3022	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	4		
	R3023-3026	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	4		
	R3027,3028	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R3029-3032	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	4		
	R3033	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R3034	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R3035	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R3036	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R3037	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R3038	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	1		
	R3039	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R3040	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	1		
	R3041	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R3042	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R3043	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R3044	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R3045,3046	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R3047	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1		
	R3049	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1		
	R3051	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R3053	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R3055	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R3057	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R3059	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R3061	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R3063	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R3065-3068	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	4		
	R3069	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R3071	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R3073,3074	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3075-3078	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	4		
	R3079,3080	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3081	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R3083	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R3085,3086	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R3102	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R3111-3114	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	4		
	R3115,3116	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R3117,3118	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3119-3122	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	4		
	R3123,3124	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3125,3126	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R3127,3128	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R3129-3132	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	4		
	R3133,3134	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R3135,3136	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3137-3140	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	4		
	R3141,3142	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3143,3144	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R3145	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R3147	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R3149-3152	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	4		
	R3153,3154	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R3155,3156	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3157-3160	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	4		
	R3161,3162	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R3163,3164	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R3165,3166	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R3307	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1		
	R9611-9613	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	3		
	CAPACIITORS GROUP							
	C3003	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3004	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C3012,3013	nsp	CAP, CHIP(2012, 50V/3900pF, MURATA GRM21)		CCUMUC1H392JAM	2		
	C3015-3018	nsp	CAP, CHIP(2012, 50V/680pF, MURATA GRM21)		CCUMUC1H681JAM	4		
	C3021,3022	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	2		
	C3023,3024	nsp	CAP, CHIP(2012, 50V/3900pF, MURATA GRM21)		CCUMUC1H392JAM	2		
	C3025	nsp	CAP, CHIP(2012, 50V/470pF, MURATA GRM21)		CCUMUC1H471JAM	1		
	C3026	nsp	CAP, CHIP(2012, 50V/680pF, MURATA GRM21)		CCUMUC1H681JAM	1		
	C3027	nsp	CAP, CHIP(2012, 50V/470pF, MURATA GRM21)		CCUMUC1H471JAM	1		
	C3028	nsp	CAP, CHIP(2012, 50V/680pF, MURATA GRM21)		CCUMUC1H681JAM	1		
	C3031	nsp	CAP, CHIP(2012, 50V/3900pF, MURATA GRM21)		CCUMUC1H392JAM	1		
	C3032,3033	nsp	CAP, CHIP(2012, 50V/470pF, MURATA GRM21)		CCUMUC1H471JAM	2		
	C3037,3038	nsp	CAP, CHIP(2012, 50V/3900pF, MURATA GRM21)		CCUMUC1H392JAM	2		
	C3039-3042	nsp	CAP, CHIP(2012, 50V/680pF, MURATA GRM21)		CCUMUC1H681JAM	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		
	C3103	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3121,3122	nsp	CAP, CHIP(2012, 50V/3900pF, MURATA GRM21)		CCUMUC1H392JAM	2		
	C3123-3126	nsp	CAP, CHIP(2012, 50V/680pF, MURATA GRM21)		CCUMUC1H681JAM	4		
	C3129,3130	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	2		
	C3131,3132	nsp	CAP, CHIP(2012, 50V/3900pF, MURATA GRM21)		CCUMUC1H392JAM	2		
	C3133-3136	nsp	CAP, CHIP(2012, 50V/680pF, MURATA GRM21)		CCUMUC1H681JAM	4		
	C3139,3140	nsp	CAP, CHIP(2012, 50V/3900pF, MURATA GRM21)		CCUMUC1H392JAM	2		
	C3141-3144	nsp	CAP, CHIP(2012, 50V/680pF, MURATA GRM21)		CCUMUC1H681JAM	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		
	C3201	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3202	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3203	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3204	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C3205	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3206	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3207	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3208	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3209	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3210	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3211	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3212	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3301	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3302	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3303	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C3304	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3305	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3306	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3307	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3308	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3309	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3310	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3311	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C3312	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	1		
	C3313	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	OTHER PARTS GROUP							
	BN25D	nsp	PIN SOCKET (25P,1.25mm,ANGLE, B-TO-B)		CJP25HJ282Z	1		
	CN21A	nsp	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		
	CN24C	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP27GI281Z	1		
	CN25A	nsp	PIN HEADER (23P,1.25mm,STRAIGHT,B-TO-B)		CJP23GI281Z	1		
	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		

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							
	D8714	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		
	D8881-8886	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	6		
	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	00D2623727904	I.C , 2CH VOLUME		CVINJW1194V	1		
	IC486-488	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	3		
	IC489	00D2623727904	I.C , 2CH VOLUME		CVINJW1194V	1		
	IC491	235810045600S	I.C , 8CH VOLUME		CVIR2A15220FP	1		
	IC898,899	943233102030S	I.C , Shift/Store Register(SOIC-16P)		CVIMC74HC4094ADR2G	2		
	Q1001	943215500020S	T.R,RT1P141C(10K-10K)		CVTRT1P141C	1		
	Q1002	943216500040S	T.R,RT1N241C(22K-22K)		CVTRT1N241C	1		
	Q8741	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
	Q8881-8886	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	6		
	Q8923	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8924	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8927,8928	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8930	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8973	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8974	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8977,8978	943214500030S	T.R , MUTE		CVTINC2001AC1	2		
	Q8980	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	RESISTOR GROUP							
	R1001	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R1003	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R1004	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R1005	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R1007	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R1012,1013	nsp	RES, CHIP(1608/5%/2Kohm)		CRJ10DJ202T	2		
	R1022	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R4601,4602	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4603,4604	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	R4605,4606	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4607,4608	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	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%/820Kohm)		CRJ10DJ824T	2		
	R4615,4616	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4617,4618	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	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%/820Kohm)		CRJ10DJ824T	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		
	R4661	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1		
	R4661	nsp	RES, CHIP(1608/5%/4.7Kohm)	N	CRJ10DJ472T	1		
	R4662	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1		
	R4662	nsp	RES, CHIP(1608/5%/4.7Kohm)	N	CRJ10DJ472T	1		
	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		
	R4701,4702	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4705	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4707,4708	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4711,4712	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4719,4720	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4737,4738	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4761-4773	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	13		
	R4775,4776	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R4781-4784	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	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		
	R4841,4842	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R4851,4852	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R4853,4854	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	2		
	R4855,4856	nsp	RES, CHIP(1608/5%/270Kohm)		CRJ10DJ274T	2		
	R4857,4858	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4861,4862	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4863,4864	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R4865-4868	nsp	RES, CHIP(1608/5%/68Kohm)		CRJ10DJ683T	4		
	R4869,4870	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	2		
	R4871-4874	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	4		
	R4875,4876	nsp	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	2		
	R4877,4878	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R4881,4882	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4883-4886	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R4891,4892	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R4903-4908	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	6		
	R4911,4912	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4919,4920	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4933,4934	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	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		
	R8723-8726	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	4		
	R8727-8730	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8731,8732	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8741,8742	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8743-8746	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	4		
	R8747-8750	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8751,8752	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8767-8770	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8771,8772	nsp	RES, CHIP(1608/5%/680ohm)		CRJ10DJ681T	2		
	R8787-8790	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8791,8792	nsp	RES, CHIP(1608/5%/680ohm)		CRJ10DJ681T	2		
	R8803	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8804	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		
	R8827-8830	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8831,8832	nsp	RES, CHIP(1608/5%/680ohm)		CRJ10DJ681T	2		
	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		
	R8901,8902	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8911,8912	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	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		
	R8927,8928	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8929	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8930	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8951,8952	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8961,8962	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8963-8966	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R8967-8970	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8971,8972	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8973	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8977,8978	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R8979	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8980	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8985-8988	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	4		
	R8995,8996	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	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		
	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	nsp	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		
	C4703,4704	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	2		
	C4705	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C4706-4708	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	3		
	C4727,4728	00D2544574922	CAP, ELECT(50V/100uF),ELNA/RA3		CCEA1HRA3101T	2		
	C4729,4730	nsp	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C4761-4763	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	3		
	C4764-4773	nsp	CAP, ELECT(25V/47uF)		CCEA1EH470T	10		
	C4774,4775	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		
	C4837,4838	nsp	CAP, CHIP(1608, 50V/3300pF, X7R)_SAMSUNG		CCUS1H332KCS	2		
	C4839,4840	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C4841,4842	nsp	CAP, ELECT(50V/4.7uF)		CCEA1HH4R7T	2		
	C4843	nsp	CAP, ELECT(25V/33uF)		CCEA1EH330T	1		
	C4844	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C4845	nsp	CAP, ELECT(25V/33uF)		CCEA1EH330T	1		
	C4851,4852	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4853-4856	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	4		
	C4861,4862	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4869,4870	nsp	CAP, CHIP(1608, 50V/68pF, C0G)_SAMSUNG		CCUS1H680JAS	2		
	C4873,4874	nsp	CAP, CHIP(1608, 50V/100pF, C0G)_SAMSUNG		CCUS1H101JAS	2		
	C4875-4878	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	4		
	C4881,4882	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4887,4888	nsp	CAP, CHIP(1608, 50V/3300pF, X7R)_SAMSUNG		CCUS1H332KCS	2		
	C4889,4890	nsp	CAP, CHIP(1608, 50V/0.1uF, X7R)_SAMSUNG		CCUS1H104KCS	2		
	C4891,4892	nsp	CAP, ELECT(50V/4.7uF)		CCEA1HH4R7T	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C4893	nsp	CAP, ELECT(25V/33uF)		CCEA1EH330T	1		
	C4894	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C4895	nsp	CAP, ELECT(25V/33uF)		CCEA1EH330T	1		
	C4901-4908	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	8		
	C4935,4936	nsp	CAP, ELECT(25V/220uF)		CCEA1EH221T	2		
	C8707,8708	90M-OA000230R	CAP, ELECT		HCEA1EROA220T	2		
	C8709,8710	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8727,8728	90M-OA000230R	CAP, ELECT		HCEA1EROA220T	2		
	C8729,8730	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8740	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8747,8748	90M-OA000230R	CAP, ELECT		HCEA1EROA220T	2		
	C8749,8750	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8767,8768	90M-OA000230R	CAP, ELECT		HCEA1EROA220T	2		
	C8769,8770	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8780	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8787,8788	90M-OA000230R	CAP, ELECT		HCEA1EROA220T	2		
	C8789,8790	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8800	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8807	90M-OA000230R	CAP, ELECT		HCEA1EROA220T	1		
	C8809	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	1		
	C8820	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8827,8828	90M-OA000230R	CAP, ELECT		HCEA1EROA220T	2		
	C8829,8830	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8840	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	C8849	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	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		
	C8963,8964	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8967,8968	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8969,8970	nsp	CAP, CHIP(1608, 50V/330pF, C0G)_SAMSUNG		CCUS1H331JAS	2		
	C8979	nsp	CAP, ELECT(50V/0.47uF)		CCEA1HHR47T	1		
	C8980	nsp	CAP, CHIP(1608, 50V/0.01uF, X7R)_SAMSUNG		CCUS1H103KCS	1		
	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		
	BK499	nsp	BRACKET , PCB		CMD1A629	1		
	BN23C	nsp	PIN SOCKET (21P,1.25mm,ANGLE, B-TO-B)		CJP21HJ282Z	1		
	BN24C	nsp	PIN SOCKET (27P,1.25mm,ANGLE,B-TO-B)		CJP27HJ282Z	1		
	BN26C	nsp	PIN SOCKET (15P,1.25mm,ANGLE,B-TO-B)		CJP15HJ282Z	1		
	BN481	nsp	WIRE ASS'Y LOCKING (13P,2.0MM,220MM,UL1007#26)		CWB1B013220HC	1		
	BN482	nsp	WIRE ASS'Y LOCKING (11P,2.0MM,220MM,UL1007#26)		CWB1B011220HC	1		
	BN483	nsp	WIREASS'Y(13P,1PWhite,2.0mmPITCH,700mm,UL1007#26)		CWB1BZ13700HC	1		
	BN484	nsp	WIREASS'Y(15P,1PWhite,2.0mmPITCH,700mm,UL1007#26)		CWB1BZ15700HC	1		
	BN64C	nsp	PIN SOCKET (13P,1.25mm,ANGLE, B-TO-B)		CJP13HJ282Z	1		
	CN101	nsp	WAFER, FFC, SMD(23P-1mm, STRAIGHT)		CJP23GA193ZY	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		
	JK875	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
	JK879	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
	JK881	943646000840S	JACK, 1P(BK),SEPA-GND,GOLD		CJJ4M056W	1		
	JK886	943643102210S	JACK, 2P(W/R),SEPA-GND,GOLD		CJJ4N099Z	1		
	JK891	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1		
	L1001,1002	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	2		
	L1111-1114	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	4		
	L4661,4662	00D9430193601	COIL, TOROIDAL	N	CLU9S004Z	2		
	LUG12	nsp	WIRE ASS'Y (1P)		CWE8202050RV	1		
	RY871	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
	RY881-886	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	6		

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		
	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	943243103210S	I.C , MAIN CPU(AV7702mk2/U1B)		CVIANAM2273AV	1	*	
	┗IC151	-	I.C , CPU(3M/PLQP0176KB-A)		CVIR5F564MJCDFC	1		
	IC152	943239101500S	I.C , EEPROM(128KBIT,SOP-8P)		CVIR1EX24128BSAS0I	1		
	IC171-176	943233102030S	I.C , Shift/Store Register(SOIC-16P)		CVIMC74HC4094ADR2G	6		
	IC191	963239002150S	I.C , OCTAL BUFFER/DRIVER		CVISN74LVC244APWR	1		
	IC201	00D2623077900	I.C, HEX INVERTER		HVITC74VHCU04FT	1		
	IC202	943236101350D	I.C , DIR/DIT(WITH ADC,LQFP-48P)		CVIPCM9211PTR	1		
	IC203,204	943236101520D	I.C , DIR(SSOP-16)		CVILC89091JA-H	2		
	IC221	943236102170S	I.C , APLD(AV7702mk2/U1B)		CVIANAM2279AV	1	*	
	┗IC221	-	IC , PLD(FBGA,256P)		CVI5M570ZF256C5N	1		
	IC223	236810083506S	I.C , CLOCK JITTER		CVICS210010-CZZR	1		
	IC251	943245100810S	I.C , DSP(LQFP-176P/400M)		CVIADSP214874B12-1	1	*	
	IC252	943246101060S	I.C , SDRAM(256M,TSOP-54P)		CVIA3V56S40GTP-60	1		
	IC254	943248103590S	I.C , DSP1_S.FLASH(AV7702mk2/U1B)		CVIANAM2275AV	1	*	
	┗IC254	−	I.C , SERIAL FLASH(16M)		CVIMX25L1606EM2I-12G	1		
	IC261	943245100820S	I.C , DSP(LQFP-176P/400M)		CVIADSP214874B12-2	1	*	
	IC262	943246101060S	I.C , SDRAM(256M,TSOP-54P)		CVIA3V56S40GTP-60	1		
	IC264	943248103600S	I.C , DSP2_S.FLASH(AV7702mk2/U1B)		CVIANAM2276AV	1	*	
	┗IC264	−	I.C , SERIAL FLASH(16M)		CVIMX25L1606EM2I-12G	1		
	IC271	943245100830S	I.C , DSP(LQFP-176P/400M)		CVIADSP214874B12-3	1	*	
	IC272	943246101060S	I.C , SDRAM(256M,TSOP-54P)		CVIA3V56S40GTP-60	1		
	IC273	943248103620S	I.C , DSP3_S.FLASH(AV7702mk2/U1B)		CVIANAM2277AV	1	*	
	┗IC273	−	I.C , SERIAL FLASH(16M)		CVIMX25L1606EM2I-12G	1		
	IC281	943245100840S	I.C , DSP(LQFP-176P/400M)		CVIADSP214874B12-4	1	*	
	IC282	943246101060S	I.C , SDRAM(256M,TSOP-54P)		CVIA3V56S40GTP-60	1		
	IC283	943248103630S	I.C , DSP4_S.FLASH(AV7702mk2/U1B)		CVIANAM2278AV	1	*	
	┗IC283	−	I.C , SERIAL FLASH(16M)		CVIMX25L1606EM2I-12G	1		
	IC306	236810086505S	I.C , ADC(96kHz 24-Bit)		CVIAK5358BET	1		
	IC321,322	943239100690S	I.C , 2CH DAC(32BIT,384KHZ,TSSOP-20P)		CVIPCM5100PWR	2		
	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)		CVISN74CBT3251PWR	1		
	IC401	23681016160AS	I.C , VSP(ADV8003KBCZ-8B)		CVIAD55/058Z-0	1		
	IC402,403	24681020160AS	I.C , DDR2 SDRAM(512Mbits, 84-ball FBGA)		CVIA3R12E40CBF-8E	2		
	IC404	943248103610S	I.C , OSD FLASH(AV7702mk2/U1B)		CVIANAM2274AV	1	*	
	┗IC404	−	I.C , SERIAL FLASH(128M,SOP-16)		CVIMX25L12845EMI-10G	1		
	IC421	943236102180S	I.C , VPLD(AV7702mk2/U1B)		CVIANAM2280AV	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-10G	1		
	IC502	23671011050AS	I.C , IPOD AUTHENTICATION FROM D&M		CVI23671011050AS_DM	1		
	IC503	943239101090S	I.C , High side switch (TSSOP-B8)		CVIBD82065FVJ-E2	1		
	Q1001	943239101550S	FET, SSM6N15AFU, N-CH, SC-88, TOSHIBA		CVTSSM6N15AFU	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		
	Q1918	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q1920	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q2002,2003	963216500060S	T.R,RT1N144C(10K-47K)		CVTRT1N144C	2		
	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							
	R1007	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1010	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1012	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	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		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	R1589,1590	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	2		
	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		
	R1619-1624	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	6		
	R1701	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	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	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	R2040,2041	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2042	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2043-2045	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	3		
	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		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	R3205-3207	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R3208,3209	nsp	RES, CHIP(1005/5%/470ohm)		CRJ06IJ471T	2		
	R3210,3211	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	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%/470ohm)		CRJ10DJ471T	1		
	R3520	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R3521	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R3522	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R3523	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R3524	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R3525	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R3526	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R3527-3530	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	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		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	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		
	R4361-4363	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	3		
	R4364,4365	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R4366	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	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		
	RN204,205	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	2		
	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		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	C1915	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	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		
	C2033,2034	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C2035	nsp	CAP, CHIP(1005, 25V/0.022uF, X7R)_SAMSUNG		CCUI1E223KCS	1		
	C2205-2224	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	20		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	C3210,3211	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	2		
	C3212	nsp	CAP, CHIP(1608, 6.3V/2.2uF, X7R)_SAMSUNG		CCUS0J225KCS	1		
	C3213	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3214	nsp	CAP, CHIP(1608, 6.3V/2.2uF, X7R)_SAMSUNG		CCUS0J225KCS	1		
	C3215	nsp	CAP, CHIP(1005, 16V/0.1uF, X7R)_SAMSUNG		CCUI1C104KCS	1		
	C3216	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)_SAMSUNG		CCUC0J106KCS	1		
	C3217,3218	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		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	CN69B	nsp	WAFER, FFC, SMD(40P-1mm, STRAIGHT)		CJP40GA193ZY	1		
	CN903	nsp	WAFER, STRAIGHT 2.5MM DIP 06P		CJP06GA353ZJ	1		
	JK201	90M-YT003480R	JACK, 2P(B/B), GOLD		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		
	JK431,432	943643102920S	JACK , HDMI(TYPE-A, SMT-19P, WITH FLANGE)		CJJ9H021Z	2		
	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		
	L1007	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	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)		CLZBLM21PG221SN1	3		
	L1214	nsp	FERRITE CHIP BEAD(2012/120R)		CLZBLM21AG121SN1	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)		CLZBLM21PG221SN1	13		
	L3801,3802	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	2		
	L3804-3806	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	3		
	L3808	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1		
	L3809,3810	nsp	BEAD , FERRRITE CHIP(16OHM/32X16 SIZE)		CLZFBMJ3216HL160NT	2		
	L3901,3902	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	2		
	L3904-3906	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	3		
	L3908	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1		
	L3909	943113100000S	COMMON MODE FILTER (1210, 90ohm)		CLZ9Z188Z	1		
	L3910,3911	nsp	BEAD , FERRRITE CHIP(16OHM/32X16 SIZE)		CLZFBMJ3216HL160NT	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)		CLZBLM21PG221SN1	1		
	L4303-4305	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	3		
	L4307,4308	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	2		
	L4309,4310	nsp	BEAD , FERRRITE CHIP(16OHM/32X16 SIZE)		CLZFBMJ3216HL160NT	2		
	L4311-4313	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	3		
	L4314	943113100000S	COMMON MODE FILTER (1210, 90ohm)		CLZ9Z188Z	1		
	L4321-4323	nsp	RES, CHIP(1005/5%/0ohm*2)		CRJ062IJ0R0T	3		
	L4324	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		

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
	PCB GROUP							
	C5	nsp	PCB FRONT		COP12433U-1	1	*	
	┣C2	－	PCB HEAD PHONE		COP12433U-2	1	*	
	┣C1	－	PCB FRONT SW		COP12433U-3	1	*	
	┣C7	－	PCB FRONT HDMI FFC CABLE		COP12433U-5	1	*	
	┗C36	－	PCB GUIDE FFC2		COP12433U-8	1	*	
	C16	nsp	PCB XLR		COP12629K-1	1		
	┗C12	－	PCB FUSE		COP12629K-2	1		
	C14	nsp	PCB SIDE CNT		COP12631X-1	1	*	
	┗C11	－	PCB GUIDE FFC1		COP12631X-2	1	*	
	C30	nsp	PCB INPUT		COP12772K-1	1	*	
	┣C3	－	PCB FRONT HDMI		COP12772K-2	1	*	
	┗C9	－	PCB GUIDE		COP12772K-6	1	*	
	C35	nsp	PCB VIDEO		COP12524N	1		
	C10	nsp	PCB H-DAM		COP12636K	1		
	C22	nsp	PCB SMPS		COP12765K	1	*	
	C13	nsp	FRONT CNT		COP12768K	1	*	
	C37	9U6391025600S	DIGITAL PCB ASS'Y •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)		COP12775K	1	*	
	OTHER PARTS GROUP							
	C4	943606502900S	CARD CABLE(1mm/23P/340mm/B/SHIELD)		CWC4F2A23A340B10001	1	*	
	C6	TO FRONT-BN321	WIRE ASS'Y (5P,2.0mm,450mm,UL2725#24/#28,1P+2C)USB		CWB8A005450HC	1		
	C8	943606502550S	CARD CABLE , (1mm/40P/250mm/B/SHIELD)		CWC4F2A40A250B08002	1		
	C15	943606501260S	CARD CABLE(1.25mm/13P/80mm/B)	U	CWC4F2A13B080B10	1		
	C17	TO XLR-BN923	WIRE ASS'Y (7P,2.0MM,200MM,UL1007#26)		CWB1B007200HC	1		
	C18	TO XLR-BN922	WIRE ASS'Y (13P,2.0MM,200MM,UL1007#26)		CWB1B013200HC	1		
	C19	TO XLR-BN921	WIRE ASS'Y (15P,2.0MM,200MM,UL1007#26)		CWB1B015200HC	1		
	C20	TO XLR-BN920	WIRE ASS'Y LOCKING (9P,2.0MM,200MM,UL1007#26)		CWB1B009200HC	1		
	C21	943101102770S	TRANS , POWER(TROIDAL, AV7702MK2/U)	U	CLT5Z033YU	1	*	
	C21	943101102760S	TRANS , POWER(TROIDAL, AV7702MK2/N)	N	CLT5Z033YE	1	*	
	C23	TO SMPS-C9020	CAP, ELECT(6.3V/5600uF/105'C),12.5X35"		CCEA0JKZH562EKS	1		
	C24	TO SMPS-C9021	CAP, ELECT(6.3V/5600uF/105'C),12.5X35"		CCEA0JKZH562EKS	1		
	C25	TO SMPS-C9022	CAP, ELECT(6.3V/5600uF/105'C),12.5X35"		CCEA0JKZH562EKS	1		
	C26	TO SMPS-BN901	WIRE ASS'Y LOCKING (6P,2.5mm,350mm,UL1569#22,105)		CWB7D006350AGD	1		
	C27	TO SMPS-T9001	TRANS, SWITCHING		CLT9Z119ZE	1		
	C28	TO SMPS-C9004	CAP, ELECT(200V/220uF),105'C		-	1		
!	C29	TO SMPS-LF901	LINE FILTER(1.2A,29mH)		-	1		
	C31	TO INPUT-BN481	WIRE ASS'Y LOCKING (13P,2.0MM,220MM,UL1007#26)		CWB1B013220HC	1		
	C32	TO INPUT-BN482	WIRE ASS'Y LOCKING (11P,2.0MM,220MM,UL1007#26)		CWB1B011220HC	1		
	C33	TO INPUT-BN484	WIREASS'Y(15P,1PWhite,2.0mmPITCH,700mm,UL1007#26)		CWB1BZ15700HC	1		
	C34	TO INPUT-BN483	WIREASS'Y(13P,1PWhite,2.0mmPITCH,700mm,UL1007#26)		CWB1BZ13700HC	1		
	C38	943183100370D	TUNER , MODULE(HD RADIO)	U	CNVUMH-AVR	1		
	C39	9R1891003100M	CY920 MODULE ASSY (8802/U)		COP12778K	1		
	C40-1	943116100580S	WIFI ANT WIRE ASSY 300MM		-	1	*	3
	C40-2	943116100570S	WIFI ANT WIRE ASSY 450MM		-	1	*	3
	C41	-	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		
	C42	nsp	TERMINAL , GROUND		CMA1A006	1		
	C43	TO XLR-JK920-932	JACK, XLR,Male type		CJS6S013Z	13		
	M1	421410006004M	BADGE , MARANTZ		CGB1A206	1		
	M2	943402105810S	PANEL , AL FRONT	U	CKM1A249ZZC23	1	*	
	M2	943402105800S	PANEL , AL FRONT	N	CKM1A249ZYC23	1	*	
	M3	412410005014M	VOLUME KNOB ASS'Y		CGK1A133YA	2		
	M4	943424100350M	RING		CGK1A163C23	1		
	M5	415410001011M	DOOR , AL FRONT AV8003		CKM2A195C23	1		
	M6	00M10BW112010	BASE,SHAFT		CDF1A018	2		
	M7	00M10BW104010	BRACKET,BASE		CMD1A542	1		
	M8	00M10BW305010	MAGNET,BASE		CJC1A008	1		
	M9	nsp	EARTH , USB		CMC1A435	1		
	M10	nsp	EARTH , AUX		CMC1A434	1		
	M11	nsp	EARTH , FRONT		CMC1A437	1		
	M12	nsp	EARTH , EMC		CMC1A456	1		
	M13	nsp	BRACKET , BODY		CMD2A668	1		
	M14	00M05CW257010	CABINET , TOP		CKC1A170K117	1		
	M15	nsp	HEATSINK		CMY1A387-V1	1		
	M16	nsp	BRACKET , AMP PCB		CMD1A796	6		
	M17	nsp	CHASSIS , BOTTOM		CUA3A338	1	*	
	M18	nsp	BRACKET , SMPS		CMD1A805	1		
	M19	TO SMPS-IC901-2	HEATSINK , TR		CMY7A025	1		
	M20	nsp	SHEILD , TRANS COVER		CMC1A445	1		
	M21	TO SMPS-D9012-1	TR HEATSINK		CMY3A238	1		
	M22	nsp	PCB BRACKET(HDMI)		CMD1A791	1		
	M23	nsp	PANEL , REAR	U	CKF3A500Z	1	*	
	M23	nsp	PANEL , REAR	N	CKF4A500Z	1	*	
	M24	nsp	WASHER , GROUND		CNW1A035	3		
	M25	-	WASHER		-	2	*	
	M26	-	NUT		-	2	*	
	M27	-	NUT		-	2	*	
	M28	-	WASHER		-	2	*	
	P1	943422101130S	ORNAMENT, INNER DOOR		CGR1A457T	1	*	
	P2	454510002018M	HOLDER , DOOR AV8003		CKG1A053B37	1		
	P3	943422100480M	SHEET , JACK		CGX1A475Z	1		
	P4	943443101070M	WINDOW , VFD		CGU1A466T	1		
	P5	481510019100M	LENS , IR		CGU1A460	1		
	P6	481510018107M	LENS		CGL1A290	1		
	P7	nsp	SHEET , DIFFUSION		CGX1A455Z	1		
	P8	416510046009M	WINDOW		CGU1A455	1		
	P9	416510047101M	SHEET , VFD		CGX1A449Y	1		
	P10	424510002017M	ORNAMENT , VOLUME		CGR1A449B37	2		
	P11	00M446T056010	CUSHION,DOOR		CHG1A296Y	2		
	P12	943402105910S	PANEL , SIDE L		CGW2A453RNVB37	1	*	
	P13	443510045107M	PANEL , SUB		CGW1A526B37	1		
	P14	943402105930S	PANEL , SIDE R		CGW3A454RNB37	1	*	
	P15	00M10BW355010	INDICATOR,POWER		CGL1A231	1		
	P16	411510015017M	KNOB , TACT POWER AV8003/U		CBT1A1072	1		
	P17	943474001390S	GEAR , DEMPER AV8003		CDG1A027Z	1		
	P18	411510120001M	4KEY BUTTON ASS'Y		CBT1A1170ZA	1		
	P19	943412101120M	BUTTON , 11KEY		CBT1A1169B37	1		
	P20	943411101980M	BUTTON , CURSOR		CBT1A1171Z	1		
	P21	nsp	CUSHION , EVA		CHG1A590	1		
	P22	nsp	SHEET , SCREW		CGX1A439	1		
	P23	nsp	CUSHION , SUPPORT		CHG1A305	4		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	P24	nsp	RUBBER		CHG1A113	5		
	P25	943407100640S	FOOT , MARANTZ		CKL1A235H46	4	*	
	P26	943471100920S	CUSHION , FOOT		CHG1A655	4	*	
	P27	nsp	SUPPORT , PCB		CMH1A328	2		
	P28	nsp	SPACER , PCB		CRE1A107	2		
	P29	nsp	SUPPORT, PCB		CRE1A102	1		
	P30	nsp	SUPPORT , RUBBER		CHG1A535	1		
	P31	nsp	LABEL , LICENSE	U	CQB1A1456Z	1	*	
	P31	nsp	LABEL , LICENSE	N	CQB1A1457Z	1		
	P31	TO PACKING-24	LABEL , POP		-	1		
	SCREW GROUP							
	S1	nsp	SCREW		CTB3+8JFZR	9		
	S2	nsp	SCREW		CTB3+8JR	34		
	S3	nsp	SCREW		CTB3+10JR	37		
	S4	nsp	SCREW		CTB3+6FR	8		
	S5	nsp	SCREW		CTWS3+10GR	1		
	S6	nsp	SCREW		CTW3+8JR	16		
	S7	nsp	SCREW		CTB3+6JR	1		
	S8	nsp	SCREW		CTB3+8JFB	2		
	S9	nsp	SCREW		CTW3+12JR	2		
	S10	nsp	SCREW		CTW3+16JR	2		
	S11	nsp	SCREW , TRANS		CHDR1A023R	4		
	S12	nsp	SCREW		CTB26+8JFZR	3		
	S14	nsp	SCREW		CTW3+8JFZR	6		
	S15	nsp	SCREW , DOT		CTBD3+8JFB	55		
	S16	nsp	SCREW , DOT		CTBD3+6FFB	16		
	S17	nsp	SCREW		CTBD3+8JFZR	2		

PACKING

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B : Black model SG : Silver Gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	1	-	SET , PRE AMP RECEIVER		-	1		
	2	nsp	SHEET , POLY		CPS1A944-V1	1	*	
	3	-	TAPE , P.P(24MM*50MM)		C4F3247YE	0.5		
	4	943533102670M	PAD , SNOW BOTTOM		CPS1A944-V1	1		
	5	943533102700M	PAD , SNOW TOP		CPS1A997	1		
	6	943531105360S	BOX , OUT CARTON		CPG1A1073Z	1	*	
	7	-	TAPE , OPP		C4FC500CL	2		
	8	nsp	INSTRUCTION MANUAL ASS'Y		CQXAV7702MK2/U/N	1	*	
	8-1	35201042201AM	CD MANUAL ASS'Y	N	CFT1A179ZA	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	54101132200AM	MANUAL , GUIDE	U	CQX1A1923Z	1	*	
	8-5	54101132201AM	MANUAL , GUIDE	N	CQX1A1924Z	1	*	
	8-6	nsp	BAG , ZIPPER POLY(A5)		CPB1A227Z	1		
	9	nsp	ACCESSORY ASS'Y		CSAAV7702MK2/U/N	1	*	
	9-1	nsp	BAG,POLY		CPB1A216Z	1		
	9-2	943543104080S	LABEL , SPEAKER WIRE		CQB1A1348Z	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)		11601005400AS	2		
	11	963549101000D	MIC STAND ASS'Y		CPG1A1021YA	1		
	12	30701016400AM	REMOCON ASS'Y (RC027SR)		CARTAV7702	1		
	13	nsp	BATTERY , AAA 2PCS IN PACK		CABR03PPB-GN	2		
	14	nsp	BAG , POLY		CPB1A008Z	1		
!	15	943611500750D	CORD , POWER (PLUG+SOCKET) UL ,(WHITE BANDING)	U	CJA2A119YL	1		
!	15	943611500760D	CORD , POWER (PLUG+SOCKET) EUR ,(WHITE BANDING)	N	CJA2B120Y	1		
	16	32401000800AD	MIC , AUDYSSEY		CJXACM1HB	1		
	17	nsp	LABEL , MIC		CQB1A1242Z	1		
	18	nsp	LABEL , CONTROL		CQB2A993Z	1		
	18-1	nsp	LABEL , CONTROL (SERIAL No.)			1	*	
	19	nsp	LABEL , SERIAL NO		CQB1A995	4		
	20	nsp	LABEL , DO NOT RETURN	U	CQB1A1424Z	1	*	
	21	nsp	LABEL , HD RADIO	U	CQB1A1417Z	1	*	
	22	nsp	LABEL , SPOTIFY		CQB1A1416Z	1	*	
	23	nsp	LABEL , DTS X BOX		CQB1A1439Z	2		
	24	nsp	LABEL , POP	U	CQB1A1410Z	1	*	
	24	nsp	LABEL , POP	N	CQB1A1411Z	1	*	
	25	nsp	LABEL , SPOTIFY		CQB1A1299Z	1		
	26	nsp	LABEL , DTS X FRONT		CQB1A1438Z	1		
	27	nsp	TAPE , FILAMENT		C4FE187	0.2		