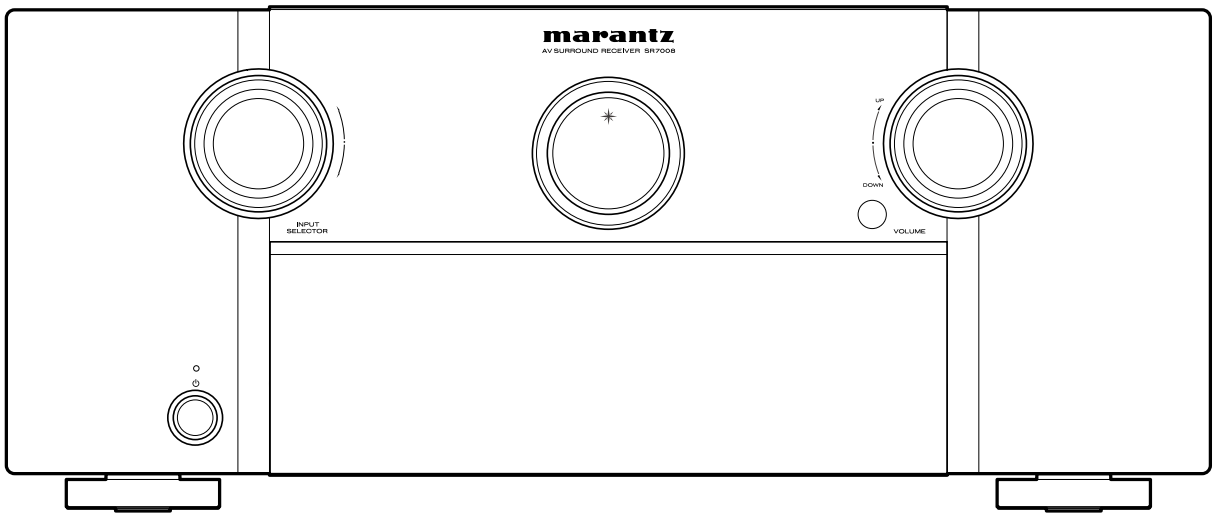
Service Manual

SR7008 /U1B/N1B/N1SG /K1B

AV Surround Receiver



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

marantz®

SR7008

Ver. 3

Please refer to the MODIFICATION NOTICE.

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

S0811-0V03DM/DG1401

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ABOUT THIS MANUAL

Read the following information before using the service manual.

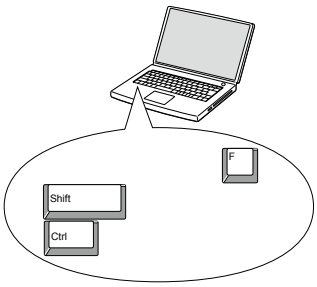
What you can do with this manual

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 board diagrams, block diagrams, and parts lists.

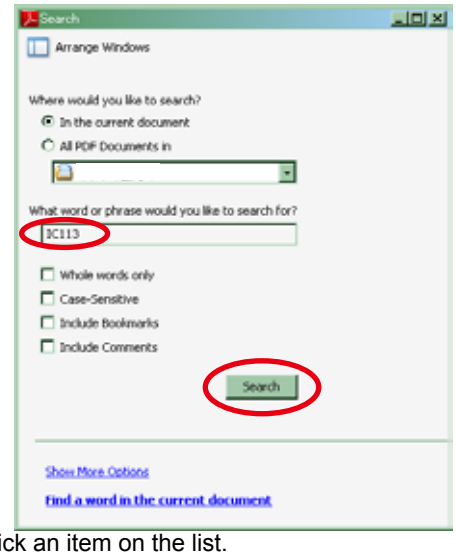
1.Press **Ctrl+Shift+F** on the keyboard.

- 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.



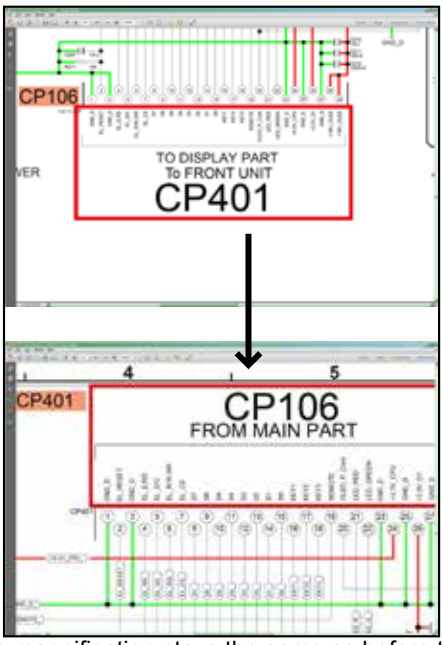
3.Click an item on the list.

• 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.

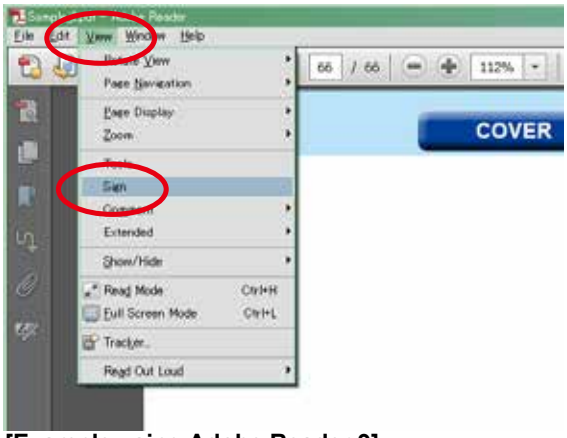
Using Adobe Reader (Windows version)

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.



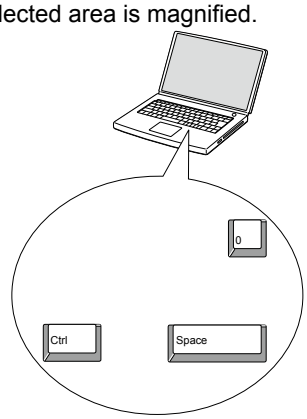
[Example using Adobe Reader 9]
On the **"Document"** menu, click **"Sign"**.

Magnify schematic / printed wiring 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.

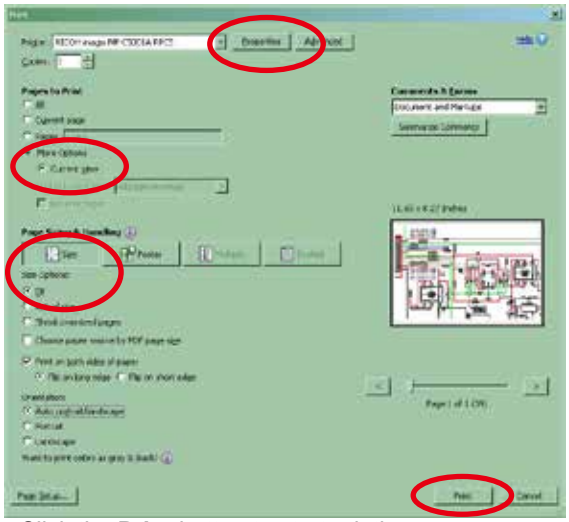


- When you want to move the area shown, hold down **Space** and drag the mouse.
- When you want to show a full page view, press **Ctrl+0** on the keyboard.

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"**

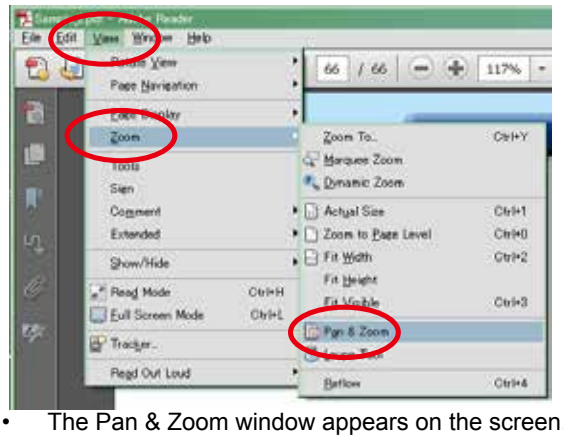
4. Click the **Print** button to start printing.

Magnify schematic / printed wiring board diagrams - 2

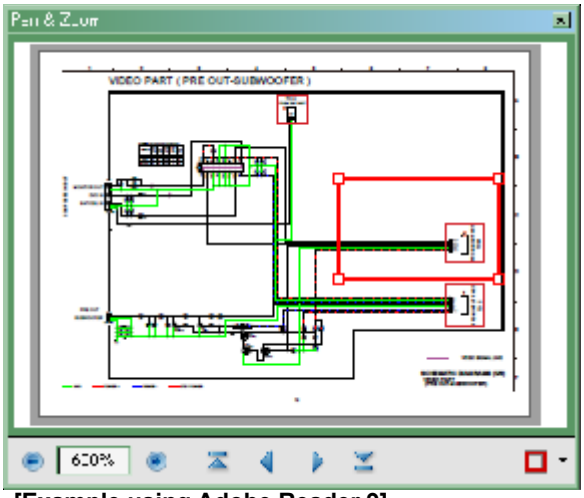
(Pan & Zoom function)

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.



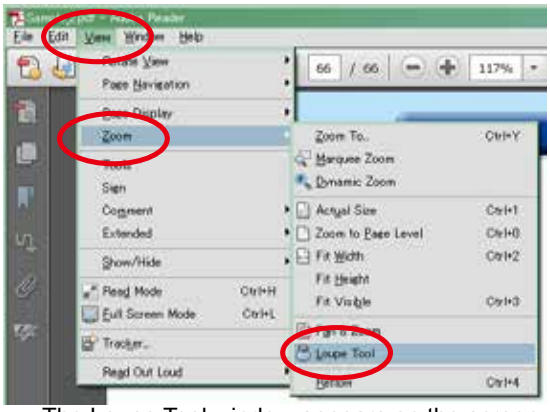
[Example using Adobe Reader 9]
On the **"Tools"** menu, point to **"Select & Zoom"**, and then click **"Pan & Zoom Window"**.

Magnify schematic / printed wiring board diagrams - 3

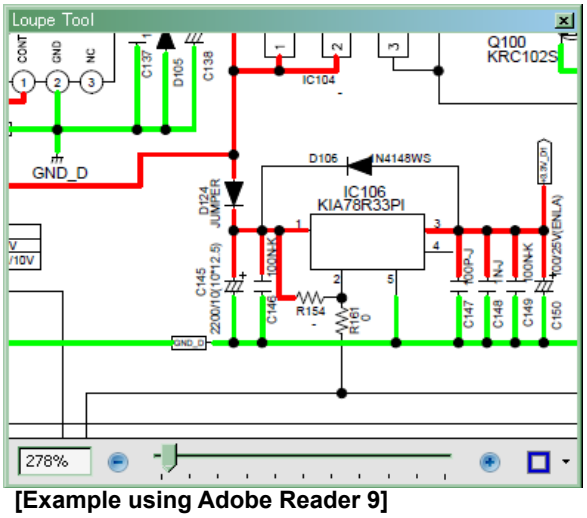
(Loupe Tool function)

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

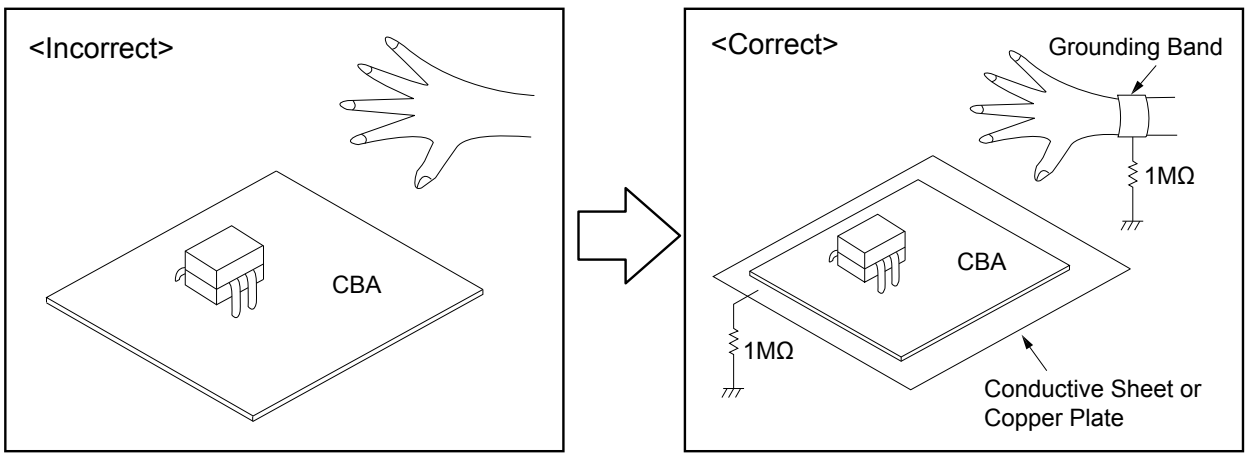
1. Parts indicated by "nsp" on this table cannot be supplied.
2. When ordering a part, make a clear distinction between "1" and "I" (i) to avoid mis-supplying.
3. A part ordered without specifying its part number can not be supplied.
4. Part indicated by "★" mark is not illustrated in the exploded view.
5. General-purpose Carbon Film Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
6. General-purpose Carbon Chip Resistors are not included are not included in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

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

INSTRUCTIONS FOR HANDLING SEMI-CONDUCTORS AND OPTICAL UNIT

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

1. Ground for Human Body
   Be sure to wear a grounding band (1 MΩ) that is properly grounded to remove any static electricity that may be charged on the body.
2. Ground for Workbench
   Be sure to place a conductive sheet or copper plate with proper grounding (1 MΩ) on the workbench or other surface, where the semi-conductors are to be placed. Because the static electricity charge on clothing will not escape through the body grounding band, be careful to avoid contacting semi-conductors with your clothing



Personal notes:

TECHNICAL SPECIFICATIONS

❑ Audio section

- **Power amplifier**

  Rated output:

  Front:

  125 W + 125 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
  165 W + 165 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

  Center:

  125 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
  165 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

  Surround:

  125 W + 125 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
  165 W + 165 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

  Surround back / Front height / Front wide:

  125 W + 125 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
  165 W + 165 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

  Output connectors: 6 – 8 Ω/ohms

- **Analog**

  Input sensitivity/Input impedance: 200 mV/47 kΩ/kohms

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

  S/N : 100 dB (IHF–A weighted, DIRECT mode)

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

  Rated output : 1.2 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 (PHONO input — MEDIA PLAYER OUT)**

  Input sensitivity : 2.5 mV

  RIAA deviation : ±1 dB (20 Hz to 20 kHz)

  S/N : 74 dB (A weighting, with 5 mV input)

  Rated output : 150 mV

  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/ohms
  P_B / C_B signal — 0.7 Vp-p, 75 Ω/ohms
  P_R / C_R signal — 0.7 Vp-p, 75 Ω/ohms

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

❑ Tuner section (ANTENNA input – MEDIA PLAYER OUT)

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

Receiving Range:	FM 87.5 MHz – 107.9 MHz AM 530 kHz – 1710 kHz	
Usable Sensitivity:	FM 1.5 µV (14.8 dBf) AM 20 µV	
S/N (IHF–A weighted):	MONO STEREO HD	78 dB 68 dB 85 dB
Distortion (1 kHz):	MONO STEREO HD	0.1 % 0.2 % 0.02 %

❑ General

Power supply: AC 120 V, 60 Hz
AC 230 V, 50/60 Hz

Power consumption: 710 W

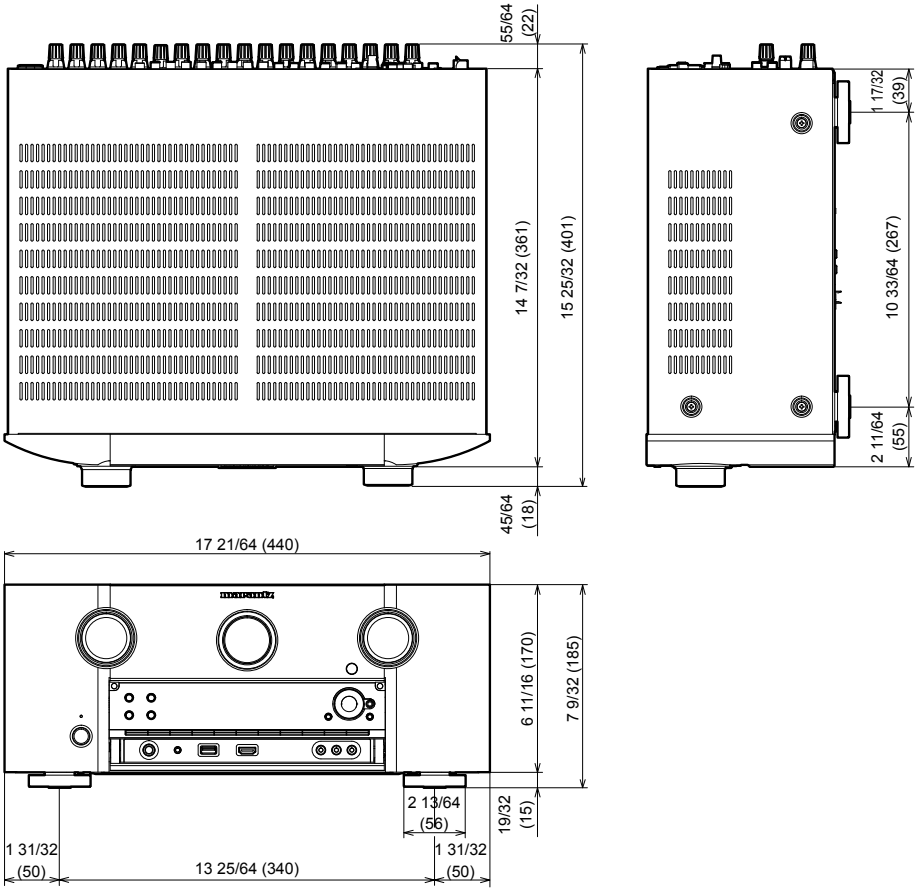
Power consumption in standby mode: 0.2 W

Power consumption in CEC standby mode: 0.5 W

Power consumption in network standby mode: 2.7 W

DIMENSION

Unit : in. (mm)
Weight : 29 lbs 16 oz (13.6 kg)



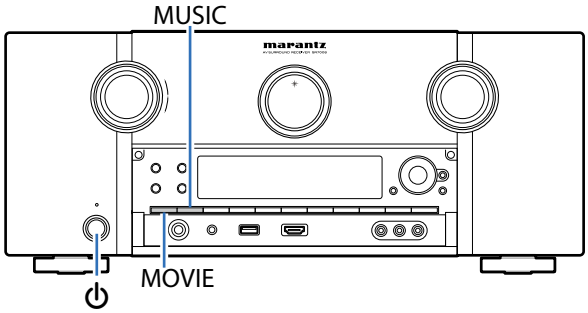
CAUTION IN SERVICING

Initializing AV SURROUND RECEIVER

AV SURROUND RECEIVER initialization should be performed when the µcom, peripheral parts of µcom, and Digital PCB. were replaced.

1. Turn off the power pressing ⏻ button.
2. Press ⏻ button while simultaneously while pressing **"MOVIE"** and **"MUSIC"** buttons.
3. Check that the entire display is flashing at intervals of about 1 second, and then release the 2 buttons.
   The microprocessor will be initialized.

NOTE: • If step 3 fails, start over from step 1.
• All user settings will be lost and the factory setting will be recovered after the set is initialized.
So make sure to note down your setting beforehand for restoring after the initialization.



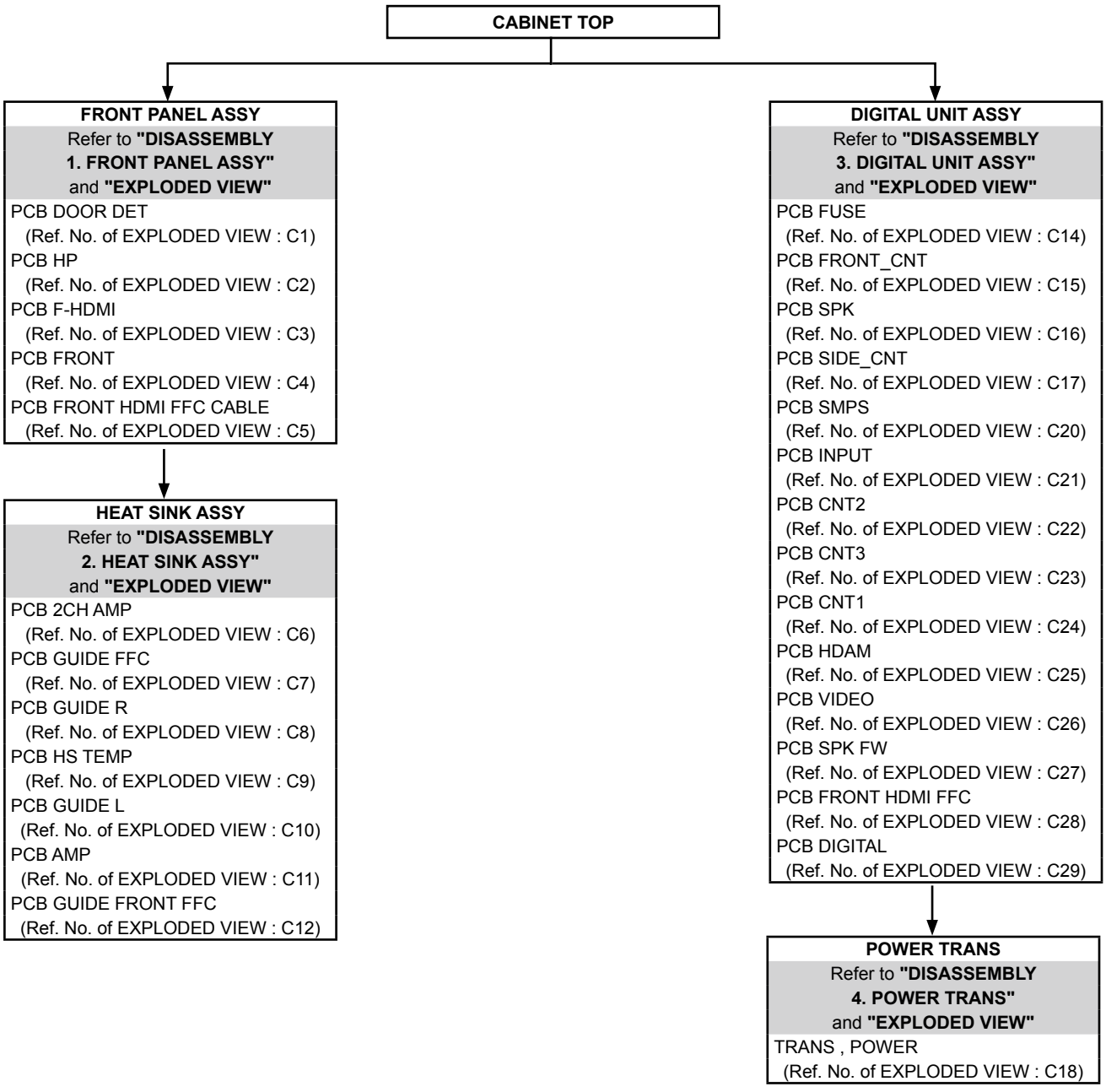
Service Jig

When you repair the printing board, you can use the following JIG (Extension cable kit).
Please order it from Marantz Official Service Distributor in your region if necessary.

8U-110084S : EXTENSION UNIT KIT : 1 Set
(Refer to 70 page.)

DISASSEMBLY

- Disassemble in order of the arrow in the following figure.
- In the case of the re-assembling, assemble it in order of the reverse of the following flow.
- In the case of the re-assembling, observe "attention of assembling".
- If wire bundles are untied or moved to perform adjustment or replace parts etc., be sure to rearrange them neatly as they were originally bundled or placed afterward.
  Otherwise, incorrect arrangement can be a cause of noise generation.

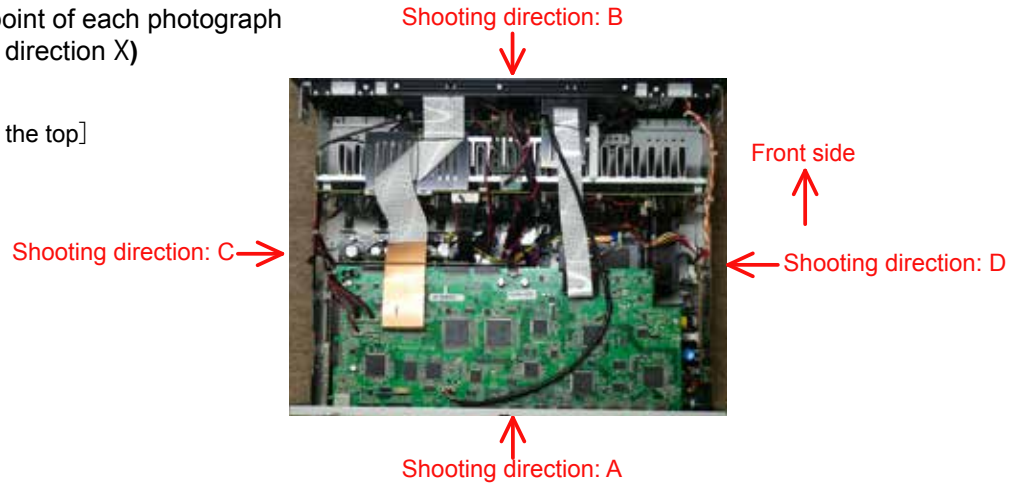


About the photos used for "descriptions of the DISASSEMBLY" section

- The shooting direction of each photograph used herein is indicated on the left side of the respective photograph as "Shooting direction: ***".
- Refer to the diagram below about the shooting direction of each photograph.
- Photographs with no shooting direction indicated were taken from the top of the set.

The viewpoint of each photograph
(Shooting direction X**)**

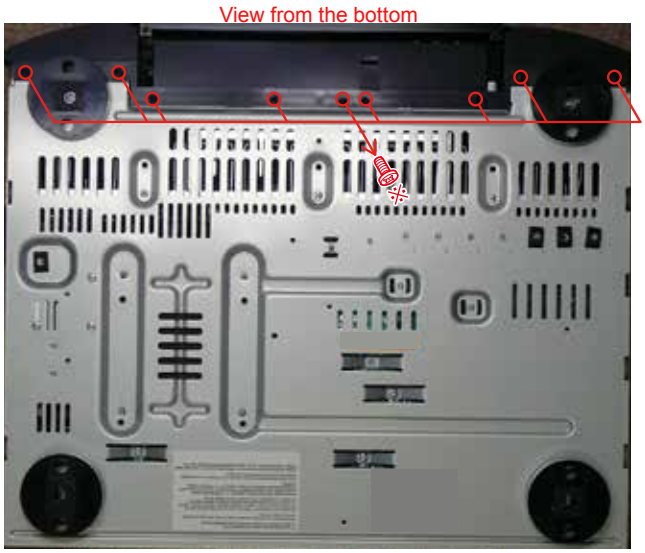
［View from the top］



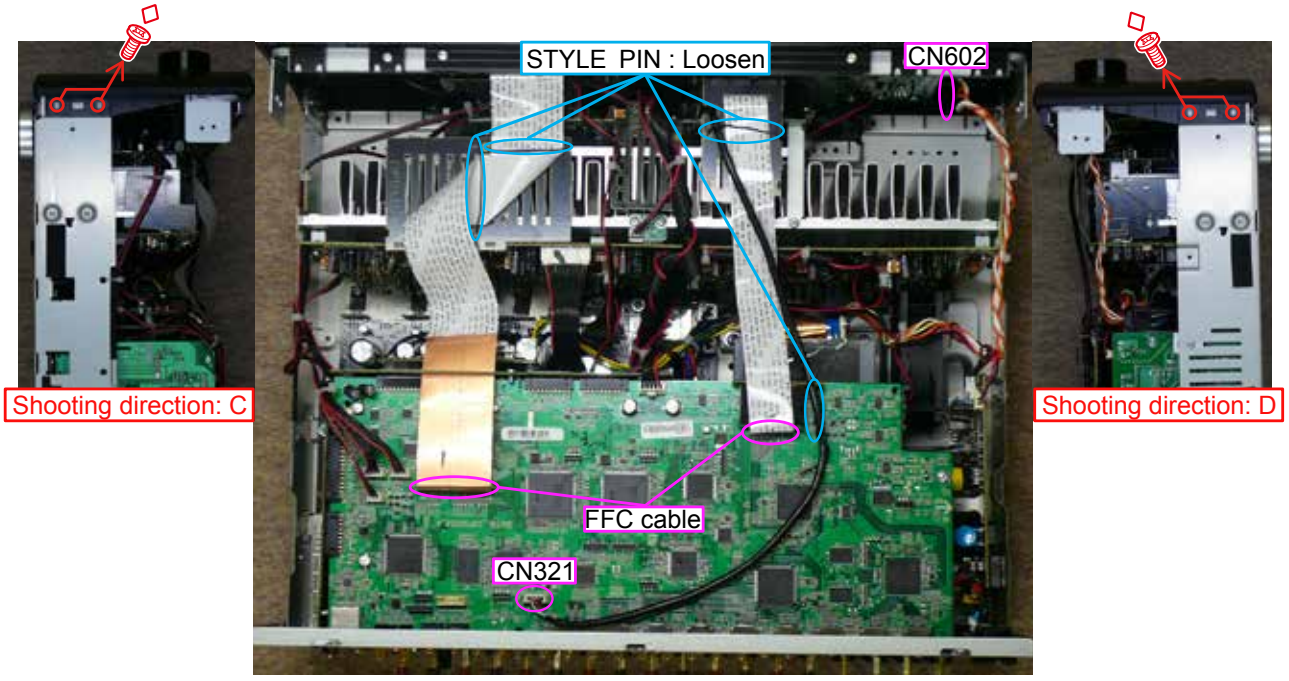
1. FRONT PANEL ASSY

Proceeding : CABINET TOP → FRONT PANEL ASSY

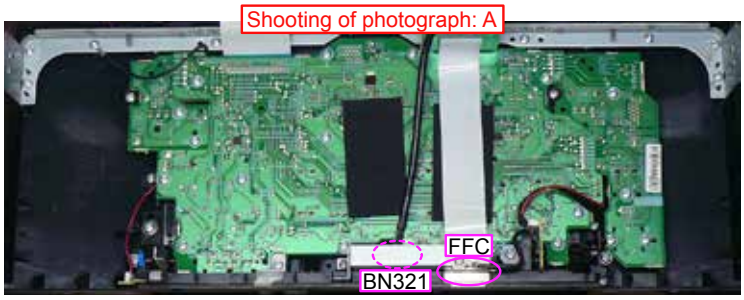
(1) Remove the screws.



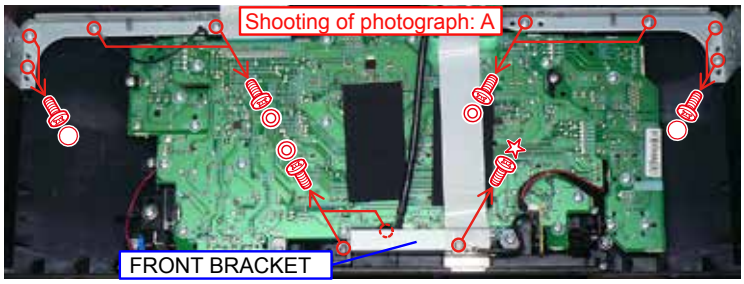
(2) Disconnect the connector wires and FFC. Remove the Style pin and screws.



(2) Disconnect the connector wire and FFC.

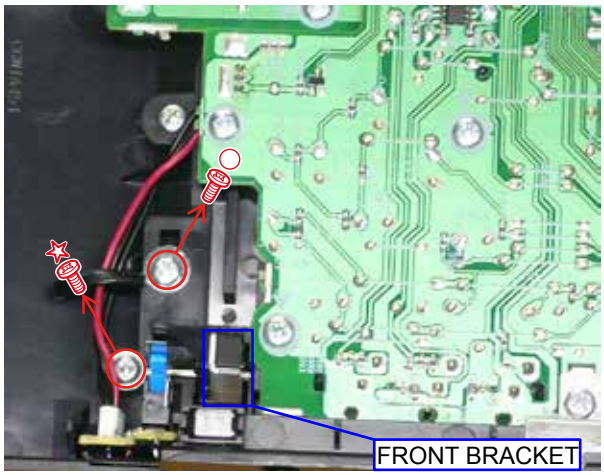


(3) Remove the screws, then detach the FRONT BRACKET.



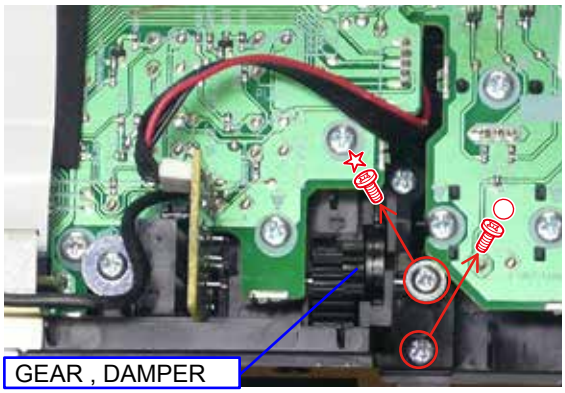
(5) Remove the screws.

Shooting of photograph: A



(6) Remove the screws.

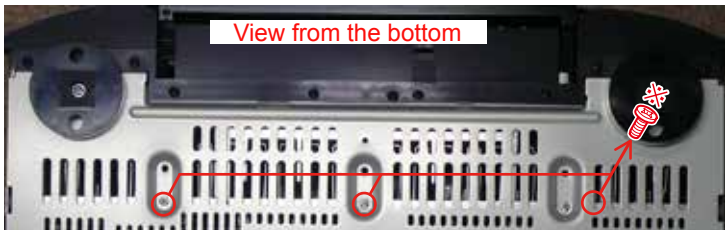
Shooting of photograph: A



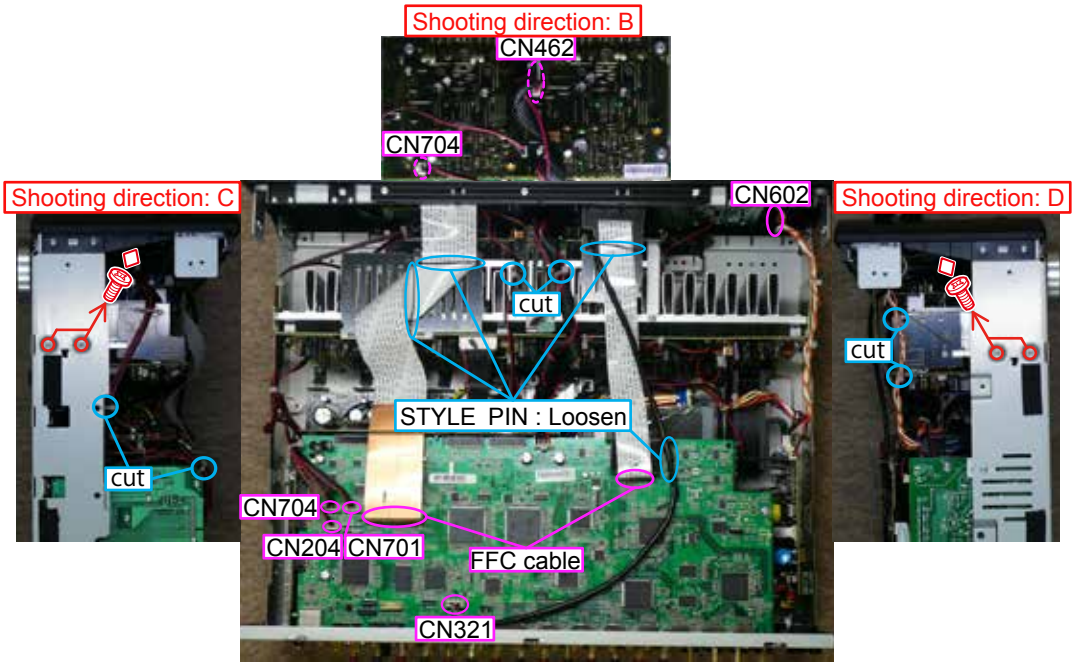
2. HEAT SINK ASSY

Proceeding : CABINET TOP → FRONT PANEL ASSY → HEAT SINK ASSY

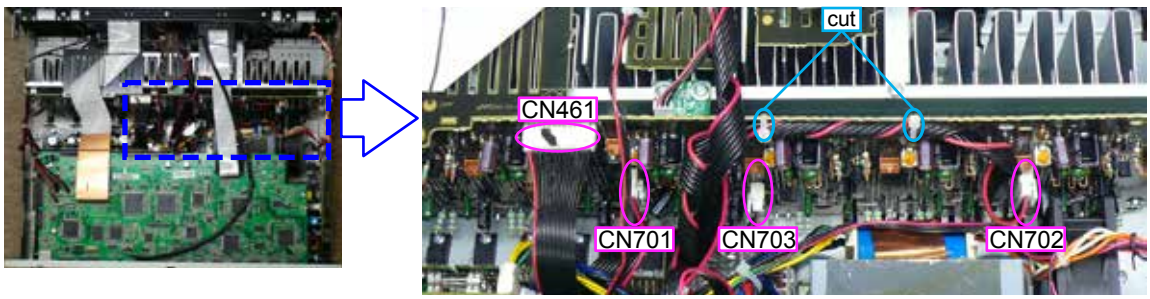
(1) Remove the screws.



(2) Cut the wire clamp band, then remove the screws. Disconnect the connector wires and FFC cables.



(3) Cut the wire clamp bands, then disconnect the connector wires.



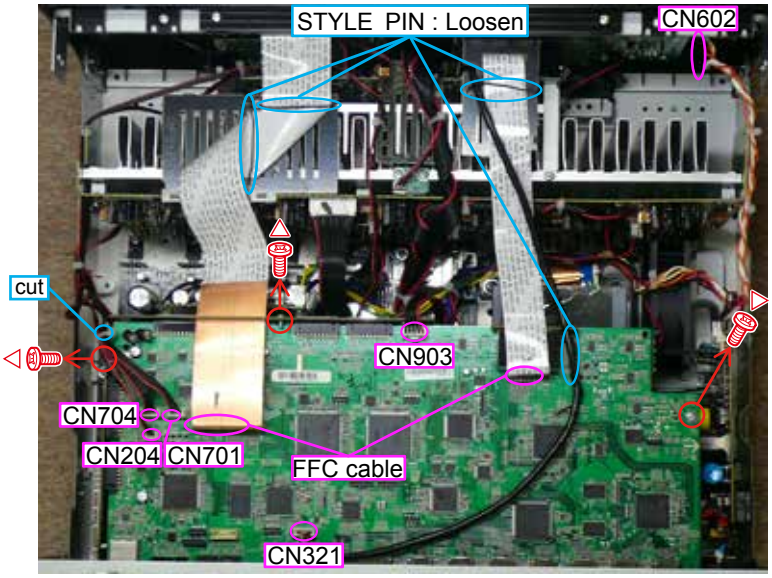
Please refer to "EXPLODED VIEW" for the disassembly method of each P.W.B included in HEAT SINK ASSY.

3. DIGITAL UNIT ASSY

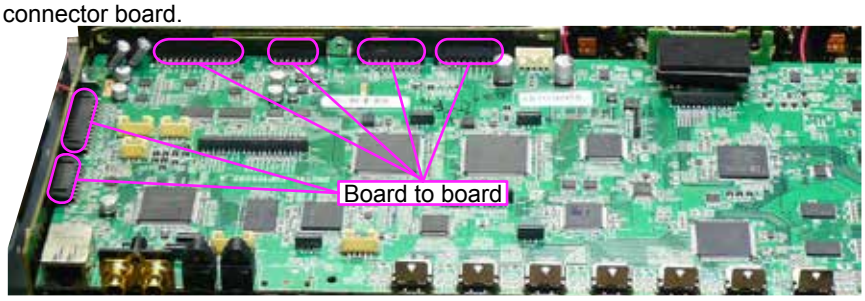
Proceeding : CABINET TOP → DIGITAL UNIT ASSY

(1) Remove the screws, then remove the BACK PANEL and the DIGITAL BRACKET.

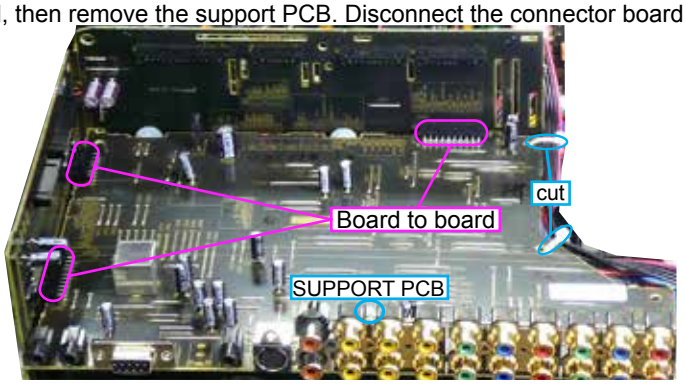
(2) Cut the wire clamp band, then remove the screws. Disconnect the connector wires and FFC cables.



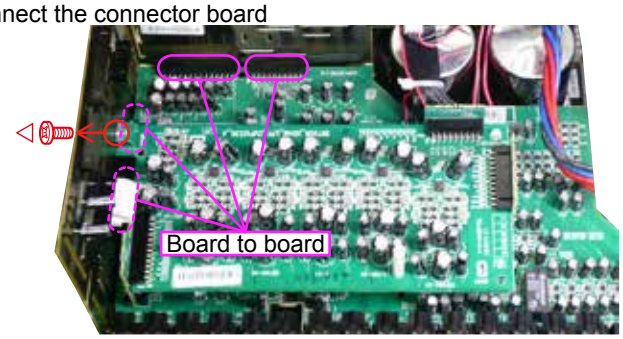
(3) Disconnect the connector board.



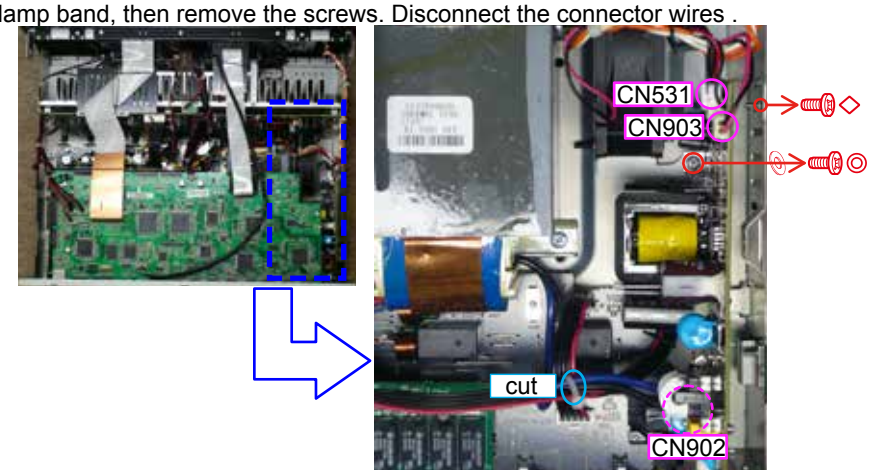
(4) Cut the wire clamp band, then remove the support PCB. Disconnect the connector board.



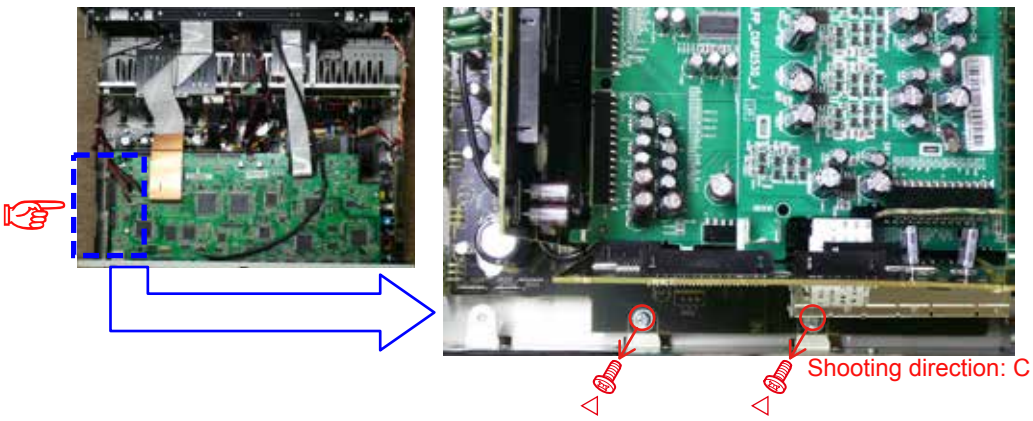
(5) Remove the screw. Disconnect the connector board



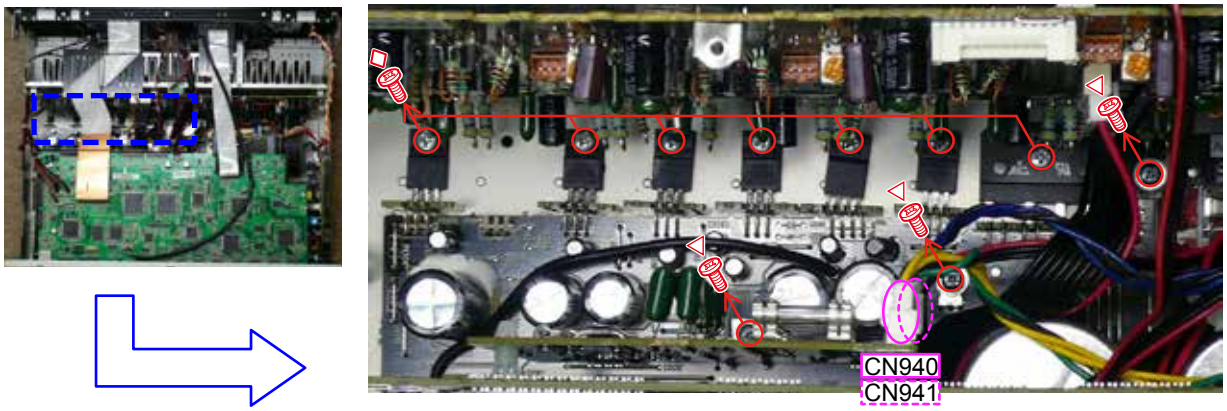
(6) Cut the wire clamp band, then remove the screws. Disconnect the connector wires .



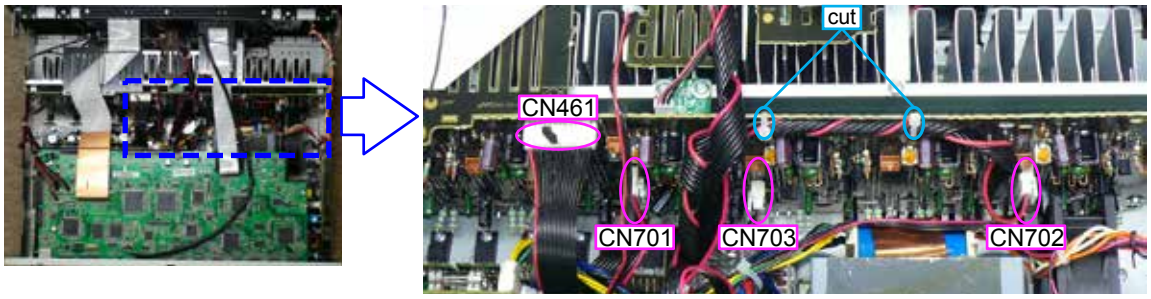
(7) Remove the screw.



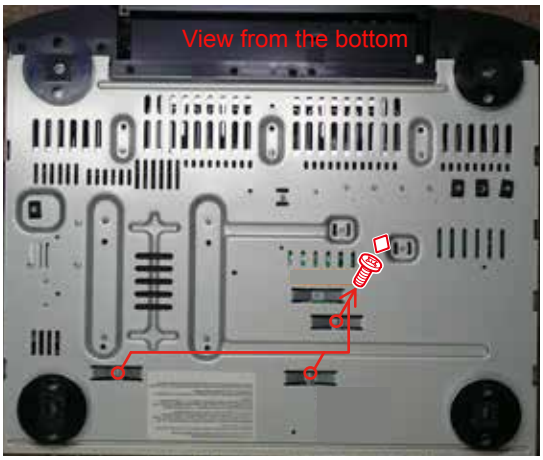
(8) Cut the wire clamp band, then remove the screws. Disconnect the connector wires.



(9) Cut the wire clamp band, then disconnect the connector wires.



(10) Remove the screw.



Please refer to "EXPLODED VIEW" for the disassembly method of each P.W.B included in DIGITAL UNIT ASSY.

4. TRANS MAIN

Proceeding : CABINET TOP → DIGITAL UNIT ASSY → POWER TRANS

Please refer to "EXPLODED VIEW" for the disassembly method of each P.W.B included in TRANS MAIN.

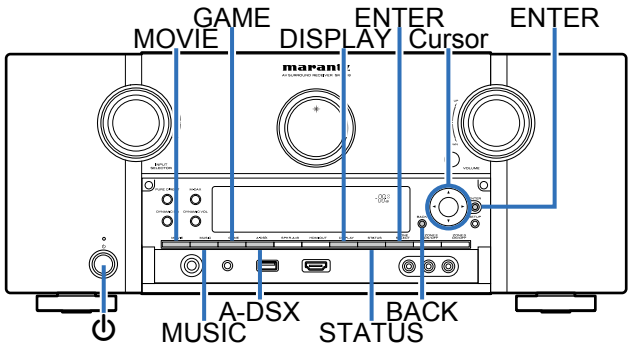
SPECIAL MODE

Special mode setting button

※No.1 - 7 : Press the **"Power operation (⏻)"** button to turn on the power while pressing both the buttons A and the button B at the same time.

※No.8 - 10: Turn on the power, then press and hold down the A and B buttons for over 3 seconds.

No.	Mode	Button A	Button B	Contents
1	Version display (µcom/DSP Error Display)	STATUS	DISPLAY	Firmware versions such as Main or DSP are displayed in the FL Display. Errors are displayed when they occur. (Refer to 20 page)
2	User Initialization mode (Installer Setup settings are not initialized.)	GAME	A-DSX	Backup data initialization is carried out. (Installer Setup settings are not initialized.)
3	Factory Initialization mode (Installer Setup settings are also initialized.)	MOVIE	MUSIC	Backup data initialization is carried out. (Installer Setup settings are also initialized.)
4	PANEL/REMOTE LOCK Selection mode	BACK	ENTER	Selects to reject operations through panel buttons and the master volume knob on the main unit and operations via the remote control. (Refer to 24 page)
5	Service Related Selection mode	BACK	ZONE SELECT	Selects the “Diagnostic mode” or “Displaying the protection history mode”. (Refer to 25 page)
6	Mode for switching tuner frequency step (N model Only)	Cursor ▲	SETUP	Change tuner frequency step to FM:50kHz/200kHz
7	Installer Setup mode	Cursor ◄	BACK	Access the Remote Maintenance mode via the internet.Installer Setup is displayed on GUI/Option Menu. ※ Refer to AVR_RemoteMaintenance_.pdf of SDI.
8	Memory Backup	ZONE SELECT	DISPLAY	Backup of DUAL BACKUP MEMORY is performed. (Referto 68 page)
9	Memory Recovery	BACK	ZONE SELECT	Recovery of DUAL BACKUP MEMORY is performed. (Referto 68 page)
10	Memory Backup Clear	ZONE SELECT	ENTER	Backup of DUAL BACKUP MEMORY is cleared. (Refer to 68 page)



1. µcom/DSP Version display mode

1.1. Operation specifications

µcom/DSP version display mode:
When the set is started up in this mode, the version information is displayed.

Starting up:
Press the **"Power operation (⏻)"** button to turn on the power while pressing the **"STATUS"** and **"DISPLAY"** buttons.
Now, press the **"STATUS"** button to the display the 2nd item information on the FL Display.

※ When the version is displayed on the FL Display, the version list is also displayed on the GUI.

1.2. Display Order

Error information(Refer to **1.3. Error display**) → ① Model destination information → ② Firmware Package Version
→ ③ Main µ-com/MAIN FBL(1st Boot Loader) Version → ④ Sub µ-com/Sub FBL → ⑤ DSP version → ⑥ Audio PLD
→ ⑦ GUI SFLASH → ⑧ Ethernet(DM860A) 1st Boot Loader, Hardware ID
→ ⑨ Ethernet(DM860A) 2nd Boot Loader → ⑩ Ethernet(DM860A) IMAGE
→ ⑪ Ethernet(DM860A)MAC ADDRESS information → ⑫ HD RADIO SDK/HD RADIO BBP(SR7008U only)
→ ⑬ MultEQ Pro APP(Displayed when Audyssey Pro is complete)
→ ⑭ MultEQ Pro ICL(Displayed when Audyssey Pro is complete

① Model destination information :

Upper	S	R	7	0	0	8		U							
Lower	S	/	N	.			*	*	*	*	*	*	*	*	*	*

② Firmware Package Version :

Upper		F	i	r	m	.		P	a	c	k	a	g	e		
Lower								V	e	r	.	:	*	*	*	*

③ Main µ-com & MAIN FBL version :

Upper		M	a	i	n					:	*	*	.	*	*
Lower		M	a	i	n		F	B	L	:	*	*	.	*	*

④ Sub µ-com & Sub FBL :

Upper		S	u	b						:	*	*	.	*	*
Lower		S	u	b		F	B	L		:	*	*	.	*	*

⑤ DSP ROM :

Upper		D	S	P	1					:	*	*	.	*	*
Lower		D	S	P	2					:	*	*	.	*	*

⑥ Audio PLD :

Upper		A	u	d	i	o		P	L	D	:	*	*	.	*	*
Lower																

⑦ GUI SFLASH :

Upper		G	U	I				:	*	*	*	*	*	*	*	*
Lower																

⑧ Ethernet(DM860A) 1st Boot Loader, Hardware ID :

Upper		E	t	h	e	r	n	e	t		F	B	L			
Lower	*	*	*	*	*	*	-	b	d							

⑨ Ethernet(DM860A) 2nd Boot Loader :

Upper		E	t	h	e	r	n	e	t		S	B	L			
Lower	*	*	*	*	*	*	*	*	*	*	*	*	*	-	0	A

⑩ Ethernet(DM860A) IMAGE :

Upper		E	t	h	e	r	n	e	t		I	M	G			
Lower	*	*	*	*	*	*	*	*	*	*	*	*	*			

⑪ Ethernet(DM860A)MAC ADDRESS information :

Upper	*	E	t	h	e	r	n	e	t		M	A	C			
Lower		*	*	*	*	*	*	-	*	*	*	*	*	*		

⑫ HD RADIO SDK/HD RADIO BBP (SR7008U onlly) :

Upper	*	H	D				:	*	*	*	*	*	*	*	*	-
Lower							:	*	*	*	*	*	.	*	*	*

⑬ MultEQ Pro APP :

Upper	*	M	u	l	t	E	Q		P	r	o		A	P	P	
Lower	*	*	.	*	*	.	*	*	.	*	*	*	*			

⑭ MultEQ Pro ICL :

Upper	*	M	u	l	t	E	Q		P	r	o		I	C	L	
Lower	*	*	.	*	*	.	*	*	.	*	*	*	*			

1.3. Error display

See the following table for each **"Error information"** display and its explanation (status).
Display order is ①,②,③,④,⑤,⑥,⑦,⑧.

Condition	Status	FL Display	Trouble shooting
① Firm Check NG	Compared with the destination setting on the board. This is displayed when the model name or destination information written into the firmware does not match. (※1)	FIRM ERROR	• Please check the destination-resistors (R2060/R2061, DIGITAL B'D). • Please write the firmware of correct destination.
② SUB NG	No response from SUB microcomputer.	SUB ERROR 01	• Please check SUB (IC231) and arroud circuits.
③ IP SCALER NG	An error has occurred in the i/p Scaler (ADV8003)initial settings. The error is a DDR memory Loopback Test error.	IP SCALER ERR 01	• Please check ADV8003 (IC151) and arroud circuits.
	Testing writing data between IP SCALER and DRR resulted in no response.	IP SCALER ERR 02	
④ GUI Version NG	Error occurs in GUI version and Main μ-com version.(※2)	GUI VER. ERROR	• Please check the firmware of correct version.

Condition	Status	FL Display	Trouble shooting
⑤ DIR NG	No response from DIR	DIR ERROR 01	• Please check DIR (IC403, DIGITAL B'D) and around circuits.
⑥ DSP1 NG	When DSP code boot is performed, the DSP FLAG0 port does not change to "H" even if DSP reset is executed.	DSP1 ERROR 01	• Please check DSP (IC408, DIGITAL B'D) and around circuits.
	Before DSP command is issued, the DSP BUSY port does not change to "L".	DSP1 ERROR 02	
	When DSP data read is performed, executing WRITE="L" does not result in ACK="H".	DSP1 ERROR 03	
	When DSP data read is performed, executing REQ="L" does not result in ACK="L".	DSP1 ERROR 04	
	When DSP data writing is performed, executing WRITE="H" does not result in ACK="H".	DSP1 ERROR 05	
	When DSP data writing is performed, executing REQ="L" does not result in ACK="L".	DSP1 ERROR 06	
⑦ DSP2 NG	When DSP code boot is performed, the DSP FLAG0 port does not change to "H" even if DSP reset is executed.	DSP2 ERROR 01	Please check DSP (IC421, DIGITAL B'D) and around circuits.
	Before DSP command is issued, the DSP BUSY port does not change to "L".	DSP2 ERROR 02	
	When DSP data read is performed, executing WRITE="L" does not result in ACK="H".	DSP2 ERROR 03	
	When DSP data read is performed, executing REQ="L" does not result in ACK="L".	DSP2 ERROR 04	
	When DSP data writing is performed, executing WRITE="H" does not result in ACK="H".	DSP2 ERROR 05	
	When DSP data writing is performed, executing REQ="L" does not result in ACK="L".	DSP2 ERROR 06	
⑧ E2PROM NG	Error occurs in E2PROM checksum.(*** is a block address number.)	E2PROM ERR ***	
⑨ Both DSP / EEPROM OK		(No error display, version display only)	

Status	FL Display
※1, ※2 The written Firmware and product settings (model name, brand name, destination) are compared. If Firmware that is not designed for this product is written, ▲ is displayed in the first column, as shown on the right.	▲Main :**.**
	▲SUB :**.**
	▲DSP1 :**.**
	▲DSP2 :**.**
	▲Audio PLD:**.**
	▲GUI :********

1.4. Version display on the Setup Menu

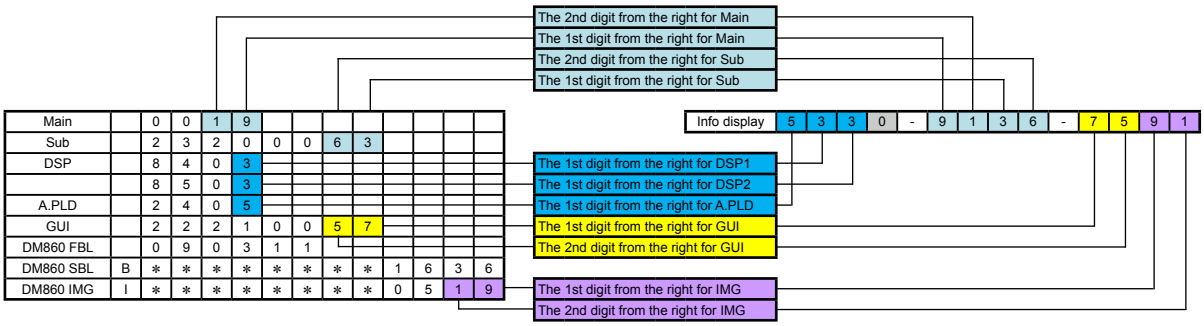
Use the following procedure to display the firmware version.

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

A version with 12 digits is displayed as shown in the following image.

SR7008 GUI Image

The displayed 12 digits are derived from each device version as shown below



※ This firmware version No. (xxxx-xxxx-xxxx) is included in the service contact document.
These 12 digits are also included in the document.

2. PANEL/REMOTE LOCK Selection mode

2.1. Behavior specifications

In this mode, you can switch between the PANEL LOCK MODE and the Mode for preventing remote control acceptance.

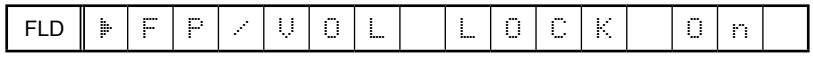
2.2. Starting up

Press the **"Power operation (⏻)"** button to turn on power while pressing the **"BACK"** and **"ENTER"** buttons.
Press the **"Cursor ▲/▼"** button to select the mode and the **"ENTER"** button to confirm the selection.

2.3. Mode selection method and how each mode is displayed

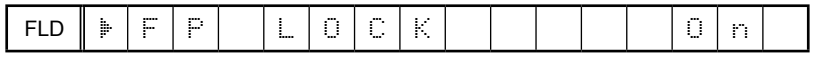
Each time you press the **"Cursor ▲/▼"** button, the mode displayed on the FL DISPLAY changes.
While the desired mode name is displayed on the FL DISPLAY, press the **"ENTER"** button. The set is restarted and the selected mode takes effect.
The currently set item is marked with **"∗"**.

①



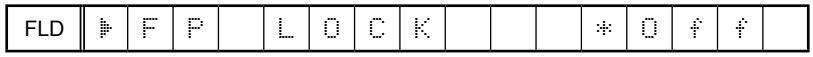
Operations using the main unit panel buttons and the master volume knob are rejected.

②



Operations using the main unit panel buttons are rejected.

③



Panel lock mode is cancelled.

④

Operations using the remote control are rejected.

⑤

RC lock mode is cancelled.

3. Service Related Selection mode

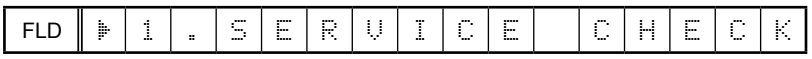
3.1. Behavior specifications

In this mode, you can switch between the Diagnostic mode (SERVICE CHECK), the Displaying the protection mode (PROTECTION) and the 232C clear mode (RS232C RESET).

3.2. Starting up

Press the **"Power operation (⏻)"** button to turn on power while pressing the **"ZONE SELECT"** and **"BACK"** buttons. Press the **"Cursor ▲/▼"** button to select the mode and press the **"ENTER"** button to restart the set and make the setting take effect.

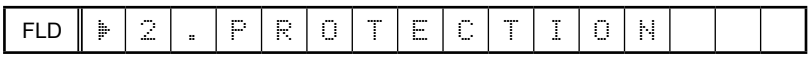
①



This mode is used for confirming the Video and Audio (signal) paths. (Diagnostic mode)

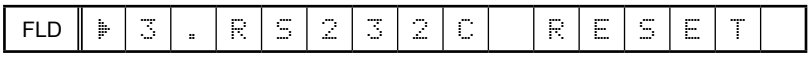
The signal paths of the set can be easily confirmed after repair.

②



The protection history can be checked.

③



The 232C standby mode is changed to the Normal standby mode.

④

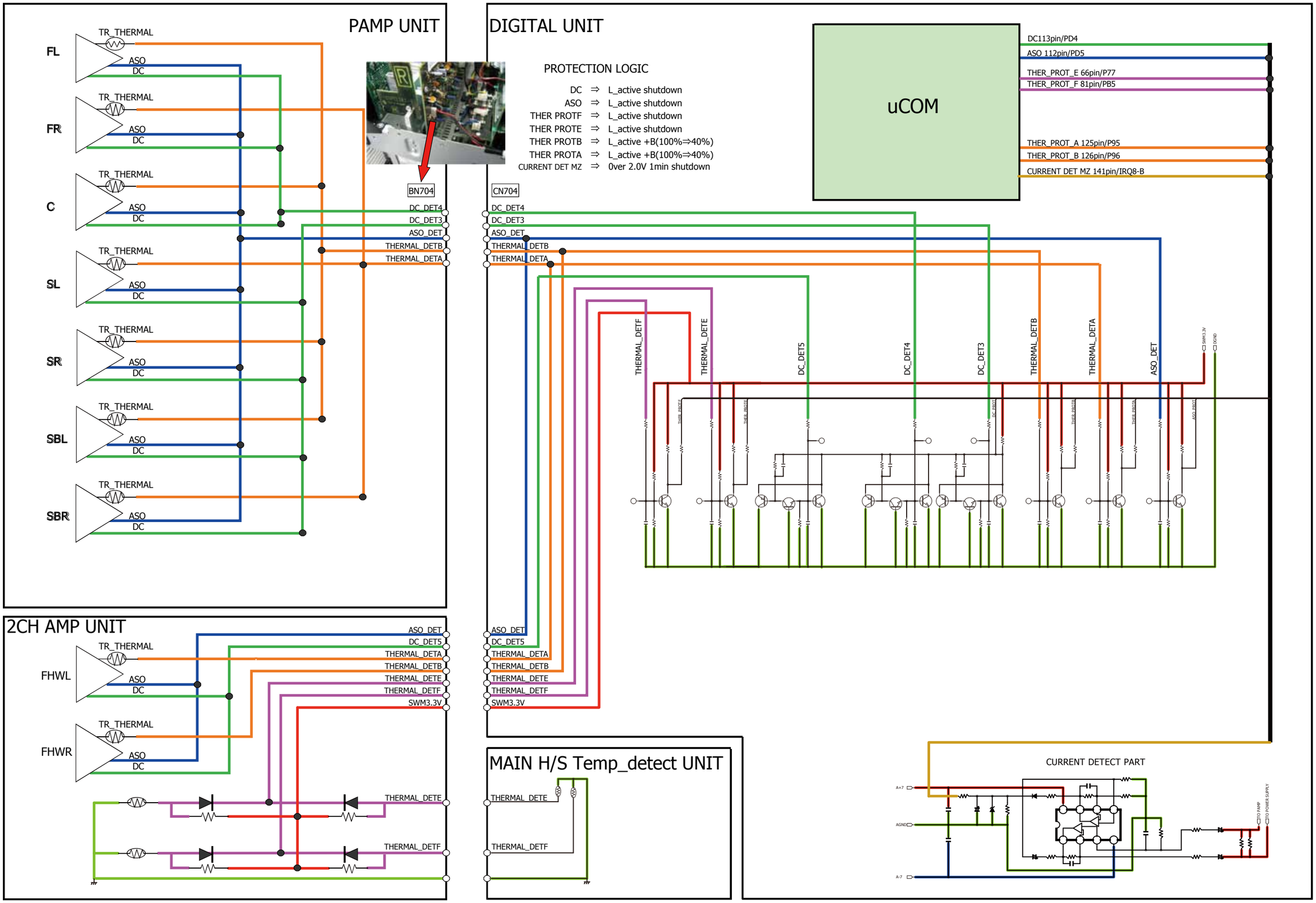
The operation information about the set can be checked.

3.3. Canceling diagnostic mode

Turn off the power by pressing the **"Power operation (⏻)"** button.

Personal notes:

3.4. PROTECTION DIAGRAM



3.5. DIAGNOSTIC MODE (Video/Audio (signal) path confirmation mode

3.5.1. Specification

This mode is used for confirming the Video and Audio (signal) paths. (Troubleshooting)
Confirming the operation of unit can be easily done after repair.
Backup data will not be lost.

3.5.2. Starting diagnostic mode

Press the "Power operation (⏻)" button to turn on power while pressing the "**ZONE SELECT**" and "**BACK**" buttons.
Select "1. SERVICE CHECK" and press "**ENTER**" to start the set in the Diagnostic mode.
In this mode, TUNED, STEREO and RDS are lit in FL display.

3.5.3. Canceling diagnostic mode

Turn off the power by pressing the "Power operation (⏻)" button.

3.5.4 Selecting items

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

This unit			remote controller		
① audio ⇔ video	② previous	③ next	① audio ⇔ video	② previous	③ next
DISPLAY	CURSOR LEFT	CURSOR RIGHT	SLEEP	CURSOR LEFT	CURSOR RIGHT

3.5.5 Video system confirmation items

fig. XX: Refer to the block diagram of the fig.XXth.

	Confirmation item	FL display	settings	Contents of confirmationRemarks
V01	Analog Video (signal) Path **fig.01**	V01:VIDEO PASS	Input Source : CBL/SAT Video Convert(IP Scaler) : OFF, All sources MAIN ZONE : ON ZONE2 : ON ZONE3 : OFF	·CVBS input ⇒ CVBS output ·CVBS input ⇒ CVBS RECOUT (MEDIA PLAYER) ·CVBS input ⇒ CVBS ZONE2 ·Component input ⇒ Component output ·Component input ⇒ Component ZONE2 ·ETHERNET (CVBS) input ⇒ CVBS output (※As the input source, you can switch from CBL/SAT to other ones.)
V02	video convert (analog or HDMI ⇒ HDMI) **fig.02**	V02:V.CONVERT	Input Source : CBL/SAT Video Convert(IP Scaler) : ON, All sources IP Scaler : "Analog&HDMI", All sources Resolution : "Auto", All sources MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	·CVBS input ⇒ IP Scaler Through ⇒ HDMI output ·Component input ⇒ IP Scaler Through ⇒ HDMI output ·HDMI input ⇒ IP Scaler Through ⇒ HDMI output ·ETHERNET input ⇒ IP Scaler Through ⇒ HDMI output ※Confirm the input pass one by on. (※As the input source, you can switch from CBL/SAT to other ones.)
V03	HDMI (signal) Path (Main Zone) **fig.03**	V03:HDMI PASS	Input Source : CBL/SAT Video Convert (IP Scaler) : OFF , All Sources MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	·HDMI input ⇒ HDMI output (※As the input source, you can switch from CBL/SAT to other ones.)
V04	HDMI CEC **fig.04**	V04:HDMI CEC	Input Source : CBL/SAT HDMI Control : ON 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. ·To check ARC path, switch the input source to "TV AUDIO". (※As the input source, you can switch from CBL/SAT to other ones.)
V05	HDMI audio (audio: AVR) **fig.05**	V05:H.AUDIO-AVR	Input Source : CBL/SAT HDMI Control : OFF HDMI Audio : AVR	·HDMI input(PCM , DolbyDigital , DTS) ⇒ Speaker output ·HDMI input(HD audio) ⇒ Speaker output (※As the input source, you can switch from CBL/SAT to other ones.)
V06	HDMI audio (audio: TV) **fig.06**	V06:H.AUDIO-TV	Input Source : CBL/SAT HDMI Control : OFF HDMI Audio : TV	·HDMI input(PCM , DolbyDigital , DTS) ⇒ HDMI output (audio output from connected TV) (※As the input source, you can switch from CBL/SAT to other ones.)
V07	GUI menu **fig.07**	V07:GUI MENU ON	Input Source : CBL/SAT Video Convert(IP Scaler) : ON, All sources IP Scaler : "Analog&HDMI", All sources Resolution : "AUTO", All sources MAIN ZONE : ON ZONE2 : OFF ZONE3 : OFF	·GUI display ⇒ HDMI output (※As the input source, you can switch from CBL/SAT to other ones.)
V08	HDMI (signal) Path (ZONE2) **fig.08**	V08:ZONE2 HDMI	Input Source : CBL/SAT ZONE2 Source : Source MAIN ZONE : ON ZONE2 : ON ZONE3 : OFF	·HDMI input (ZONE2 Function) ⇒ HDMI output (ZONE2) (※As the input source, you can switch from CBL/SAT to other ones.)

3.5.6 Audio system confirmation items

fig. XX: Refer to the block diagram of the fig.XXth.

	Confirmation item	FL display	settings	Contents of confirmationRemarks
A01	Analog (signal) Path **fig.09**	A01:ANALOG PASS	Input Source : CBL/SAT Input Mode : ANALOG(fixed) Sound mode : DIRECT Amp assign : 9.1ch (SB/FH/FW) ZONE2 : OFF ZONE3 : OFF	·Analog input ⇒ Speaker output (FRONT L,R) ·Analog input ⇒ Preout output (FRONT L,R) (※As the input source, you can switch from CBL/SAT to other ones.)
A02	Digital (signal) Path (MAIN ZONE) **fig.10**	A02:DIGITAL	Input Source : CBL/SAT Input Mode : DIGITAL(fixed) Sound mode: MULTI CH STEREO Amp assign : 9.1ch (SB/FH/FW) Speaker Select : Back/Height ZONE2 : OFF ZONE3 : OFF	·Digital input ⇒ Speaker output (Front L/R, Center, Surround L/R, Surround Back L/R, Front Height L/R) ·Digital input ⇒ Preout output (Front L/R, Center, Subwoofer1/2, Surround L/R, Surround Back L/R, Front Height L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A03	Digital (signal) Path (ZONE2) **fig.11**	A03:DIGITAL-Z2	Input Source : NETWORK Input Mode : Auto Sound mode: STEREO Amp Assign : 7.1ch + ZONE2 - Main Speakers : S.Back/F.Height ZONE2 : ON ZONE2 Source : Source ZONE3 : OFF	·Digital(PCM) input ⇒ Speaker output (Front Wide L/R) ·Digital(PCM) input ⇒ Preout output (ZONE2 L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A04	Digital (signal) Path (ZONE3) **fig.12**	A04:DIGITAL-Z3	Input Source : NETWORK Input Mode : Auto Sound mode: STEREO Amp assign : 5.1ch + ZONE2/3 ZONE2 : OFF ZONE3 : ON ZONE3 Source : Source	·Digital(PCM) input ⇒ Speaker output (Front Wide L/R) ·Digital(PCM) input ⇒ Preout output (ZONE3 L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A05	HDMI (signal) Path **fig.13**	A05:HDMI	Input Source : CBL/SAT Input Mode : HDMI(fixed) Sound mode: STEREO Amp assign : 9.1ch (SB/FH/FW) ZONE2 : OFF ZONE3 : OFF	·HDMI Input ⇒ Speaker output (Front L/R) ·HDMI Input ⇒ Preout output (Front L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A06	A/D (signal) Path (MAIN ZONE) **fig.14**	A06:AD	Input Source : CBL/SAT Input Mode : Analog(fixed) Sound mode: MULTI CH STEREO Amp assign : 9.1ch (SB/FH/FW) Speaker Select : Back/Height ZONE2 : OFF ZONE3 : OFF	·Analog input ⇒ Speaker output (Front L/R, Center, Surround L/R, Surround Back L/R, Front Height L/R) ·Analog input ⇒ Preout output (Front L/R, Center, Subwoofer1/2, Surround L/R, Surround Back L/R, Front Height L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A07	Amp Assign (signal) Path (Amp Assign : ZONE2) **fig.15**	A07:ASSIGN-Z2	Input Source : CBL/SAT Input Mode : Auto Sound mode : STEREO Amp Assign : 7.1ch + ZONE2 - Main Speakers : S.Back/F.Height ZONE2 : ON ZONE2 Source : Source ZONE3 : OFF	·Analog input ⇒ Speaker output (Front Wide L/R) ·Analog input ⇒ Preout output (ZONE2 L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A08	Amp Assign (signal) Path (Amp Assign : ZONE3) **fig.16**	A08:ASSIGN-Z3	Input Source : CBL/SAT Input Mode : Auto Sound mode : STEREO Amp assign : 5.1ch + ZONE2/3 ZONE2 : OFF ZONE3 : ON ZONE3 Source : Source	·Analog input ⇒ Speaker output (Front Wide L/R) ·Analog input ⇒ Preout output (ZONE3 L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A11	Bi-AMP (signal)Path **fig.17**	A11:ASSIGN-Bi AMP	Input Source : CBL/SAT Input Mode : Auto Sound mode: MULTI CH STEREO Amp assign : 7.1ch (Bi-Amp) - Main Speakers : S.Back/F.Height ZONE2 OFF ZONE3 OFF	·Analog input ⇒ Speaker output (Front Wide L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A14	Back Amp-Front Height (signal) Path **fig.18**	A14:FRONT HEIGHT	Input Source : CBL/SAT Input Mode : Auto Sound mode: MULTI CH STEREO Amp assign : 7.1ch + ZONE2 - Main Speakers : S.Back/F.Height Speaker Select : Height ZONE2 OFF ZONE3 OFF	·Analog input ⇒ Speaker output (Front Height L/R) ·Analog input ⇒ Preout output (Front Height L/R) (※As the input source, you can switch from CBL/SAT to other ones.)

Confirmation item		FL display	settings	Contents of confirmationRemarks
A15	Back Amp-Front Wide (signal) Path **fig.19**	A15:FRONT WIDE	Input Source : CBL/SAT Input Mode : Auto Sound mode: MULTI CH STEREO Amp assign : 7.1ch + ZONE2 - Main Speakers : S.Back/F.Wide Speaker Select : Wide ZONE2 OFF ZONE3 OFF	·Analog input ⇒ Speaker output (Front Wide L/R) ·Analog input ⇒ Preout output (Front Wide L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A19	7.1ch INPUT Path **fig.20**	A19:7.1 CH IN	Input Mode : 7.1CH IN Amp Assign : 7.1ch + ZONE2	·Input : 7.1CH INPUT ⇒ Output : Speaker output (Front L/R, Center, Subwoofer1/2, Surround L/R, Surround Back L/R) ·Input : 7.1CH INPUT ⇒ Preout output (Front L/R, Center, Subwoofer1/2, Surround L/R, Surround Back L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A20	Front Height (signal) Path **fig.21**	A20:HEIGHT2	Input Source : CBL/SAT Input Mode : Auto Sound mode: MULTI CH STEREO Amp assign : 9.1ch (SB/FH/FW) Surround Parameter - Speaker Select : Back/Height ZONE2 OFF ZONE3 OFF	·Analog input ⇒ Speaker output (Front Height L/R) ·Analog input ⇒ Preout output (Front Height L/R) (※As the input source, you can switch from CBL/SAT to other ones.)
A21	Front Wide (signal) Path **fig.22**	A21:WIDE2	Input Source : CBL/SAT Input Mode : Auto Sound mode: MULTI CH STEREO Amp assign : 9.1ch (SB/FH/FW) Surround Parameter - Speaker Select : Back/Wide ZONE2 OFF ZONE3 OFF	·Analog input ⇒ Speaker output (Front Wide L/R) ·Analog input ⇒ Preout output (Front Wide L/R) (※As the input source, you can switch from CBL/SAT to other ones.)

SR7008 ANALOG VIDEO BLOCK

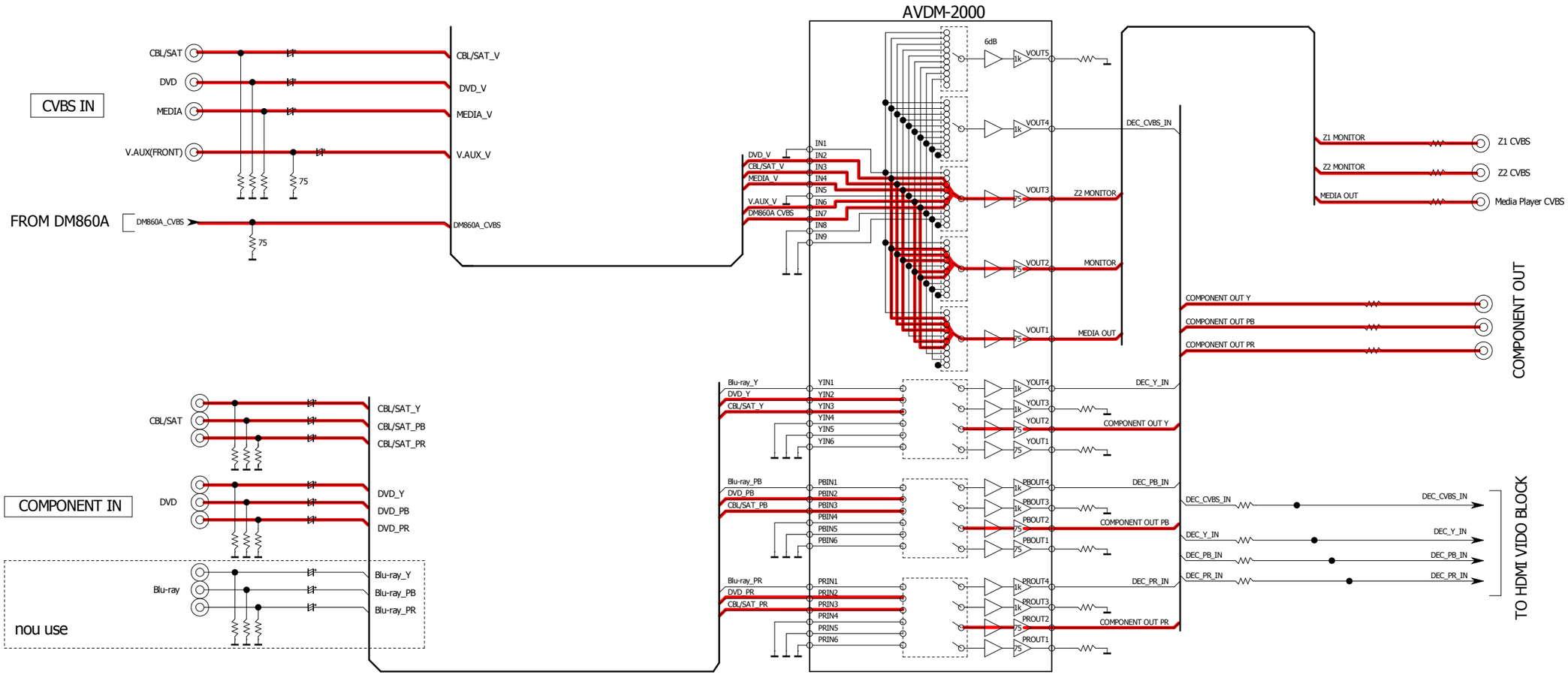


fig.02a

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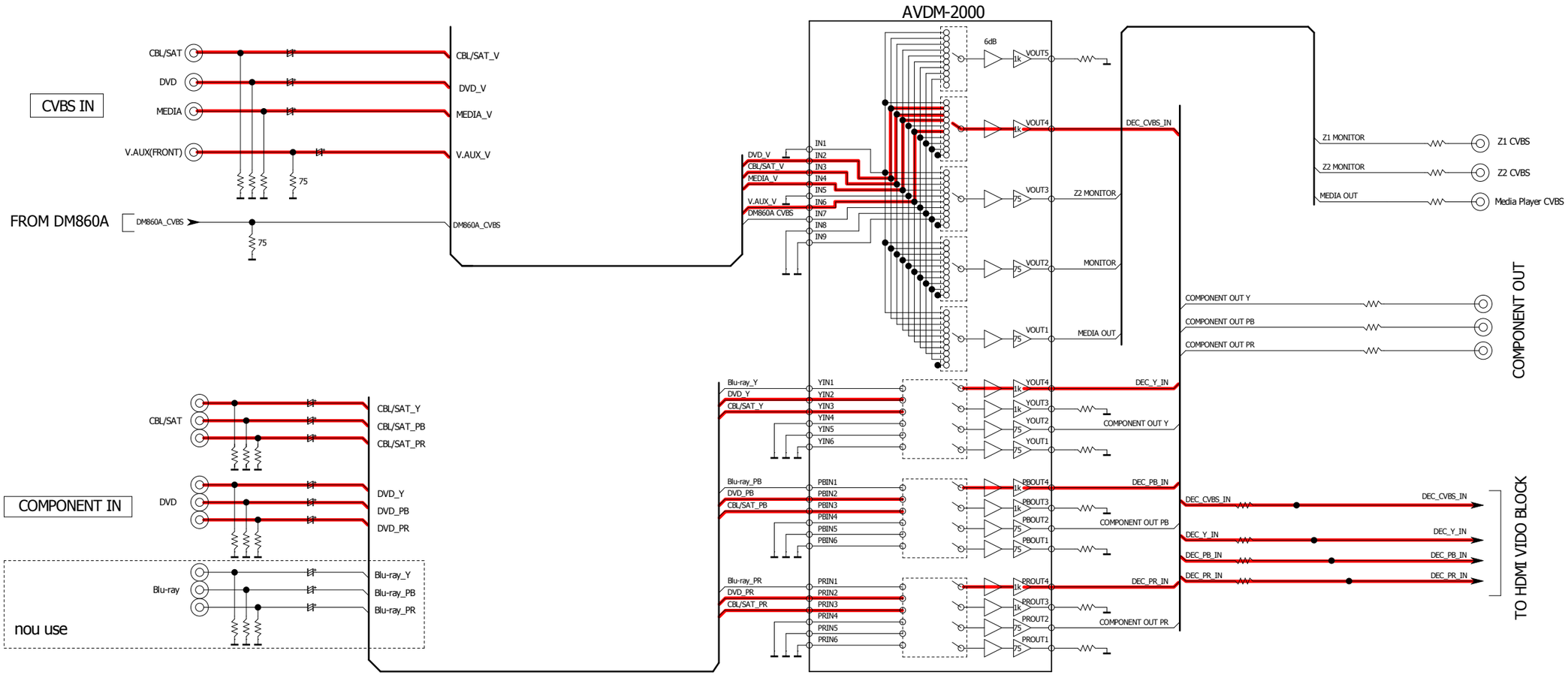

fig.02b

SR7008 HDMI VIDEO BLOCK

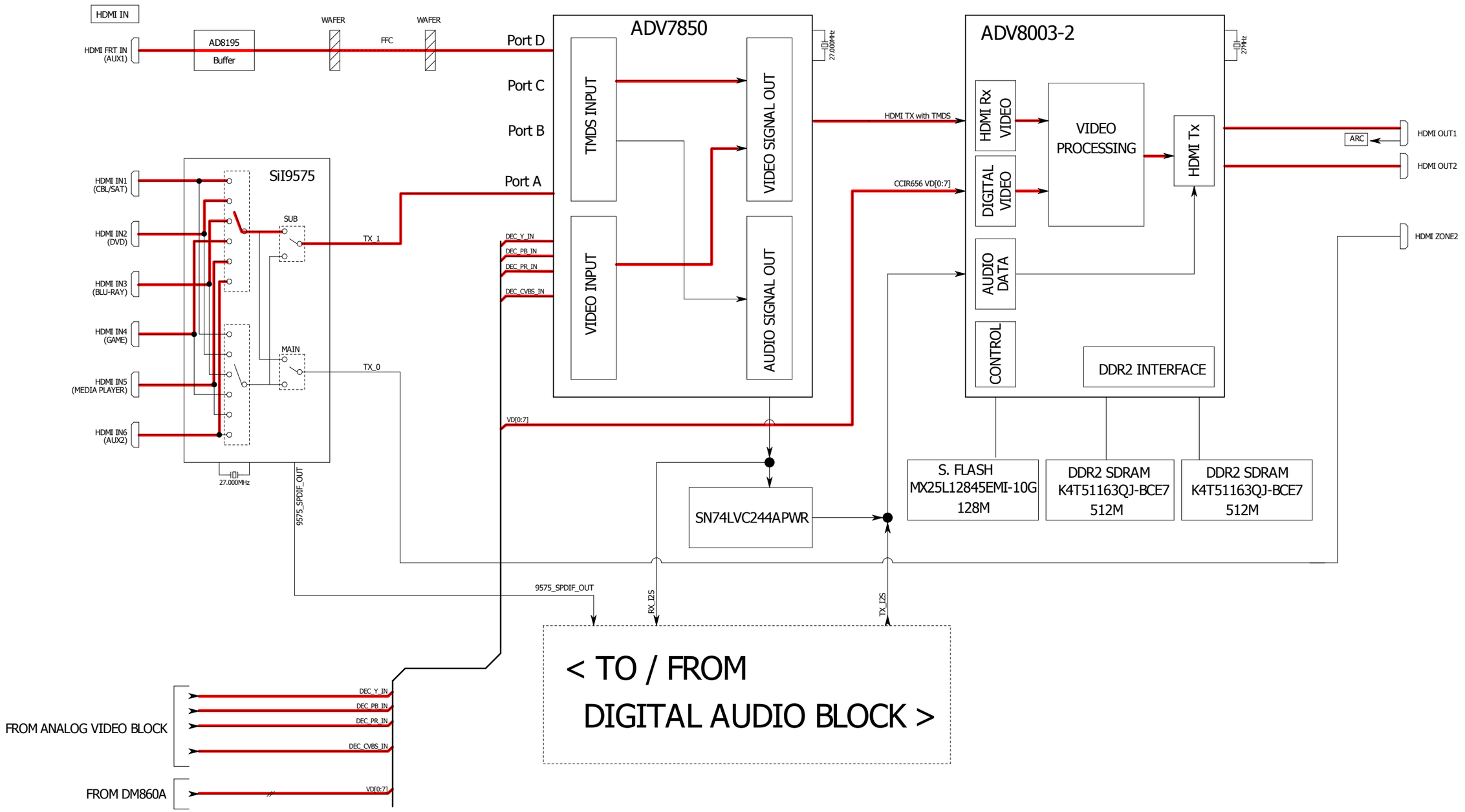

fig.03

SR7008 HDMI VIDEO BLOCK

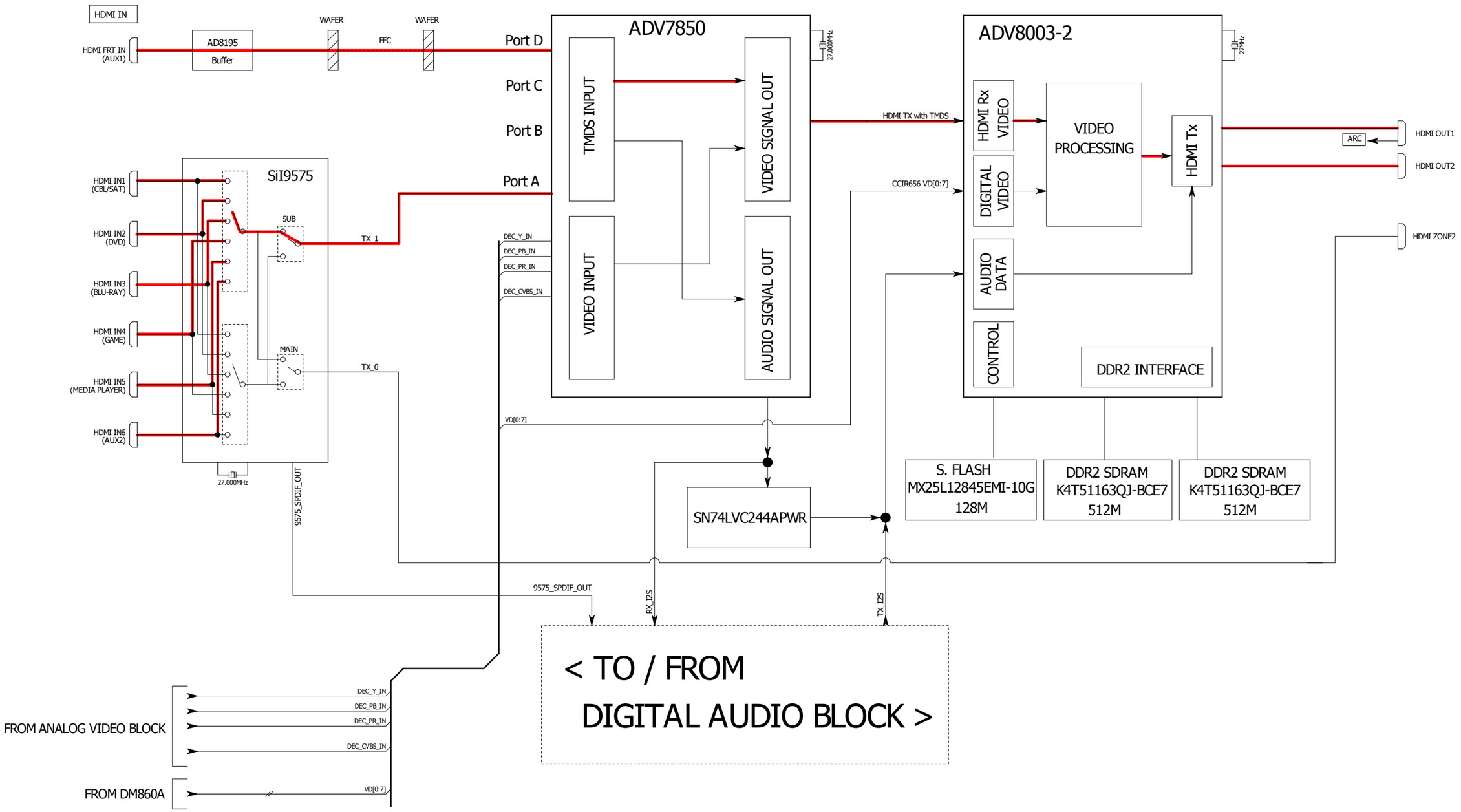

fig.04

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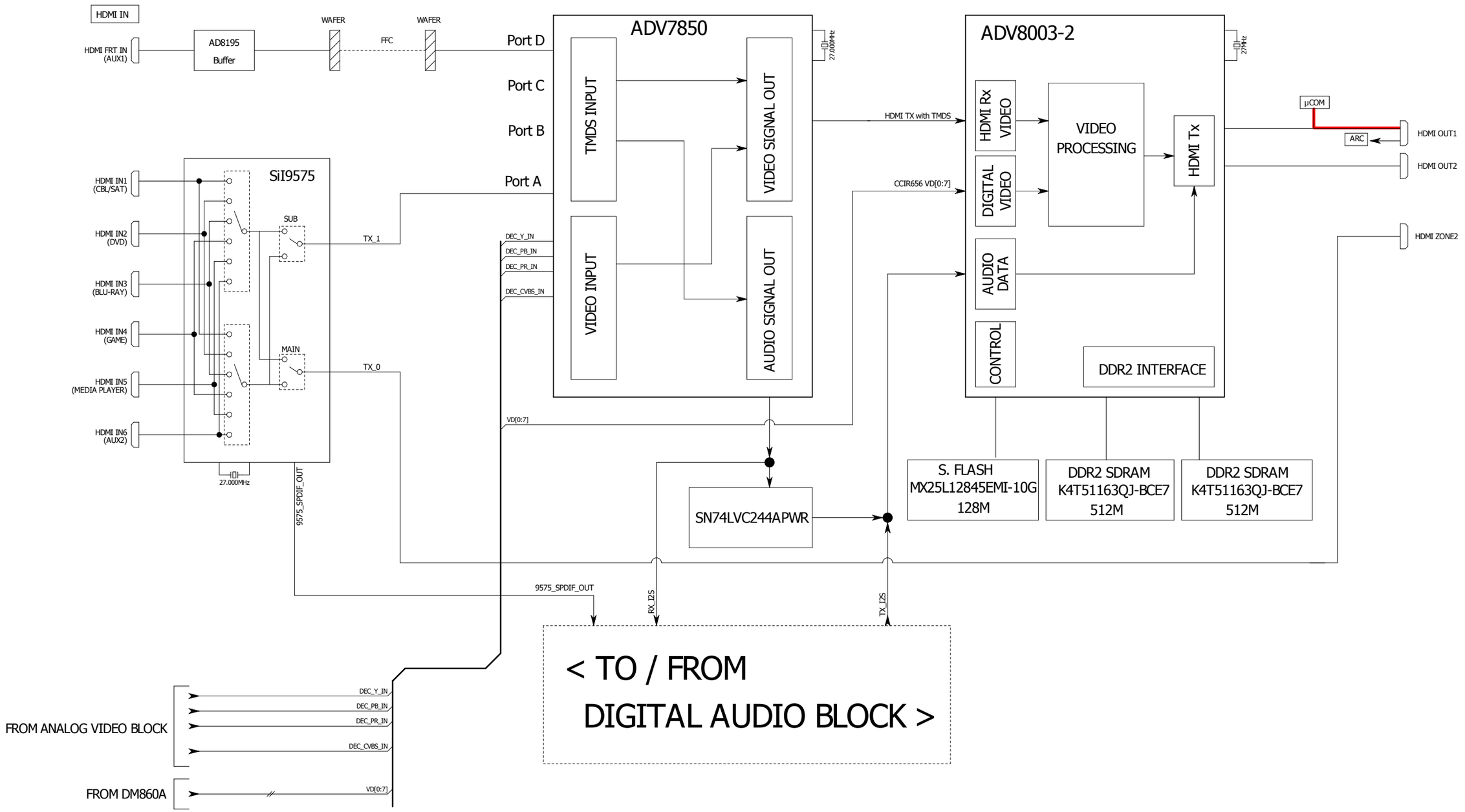
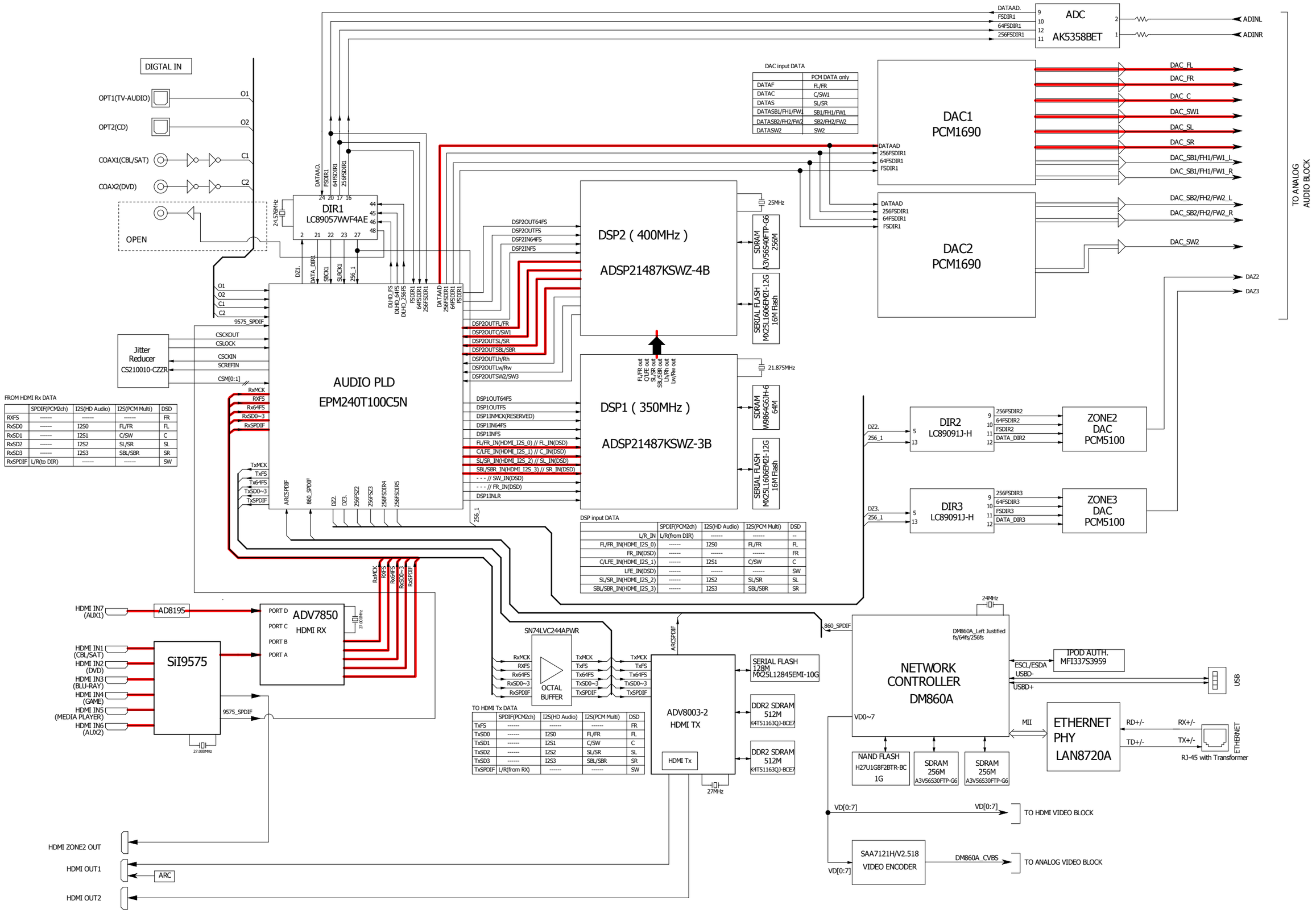


fig.05a

SR7008 DIGITAL AUDIO BLOCK



DAC input DATA

	PCM DATA only
DATAF	FL/FR
DATAC	C/SW1
DATAS	SL/SR
DATASB1/FH1/FW1	SB1/FH1/FW1
DATASB2/FH2/FW2	SB2/FH2/FW2
DATASW2	SW2

FROM HDMI Rx DATA

	SPDIF(PCM2ch)	I2S(HD Audio)	I2S(PCM Multi)	DSD
RXFS	------	------	------	FR
RxSD0	------	I2S0	FL/FR	FL
RxSD1	------	I2S1	C/SW	C
RxSD2	------	I2S2	SL/SR	SL
RxSD3	------	I2S3	SBL/SBR	SR
RxSPDIF	L/R(to DIR)	------	------	SW

DSP input DATA

	SPDIF(PCM2ch)	I2S(HD Audio)	I2S(PCM Multi)	DSD
L/R_IN	L/R(from DIR)	------	------	--
FL/FR_IN(HDMI_I2S_0)	------	I2S0	FL/FR	FL
FR_IN(DSD)	------	------	------	FR
C/LFE_IN(HDMI_I2S_1)	------	I2S1	C/SW	C
LFE_IN(DSD)	------	------	------	SW
SL/SR_IN(HDMI_I2S_2)	------	I2S2	SL/SR	SL
SBL/SBR_IN(HDMI_I2S_3)	------	I2S3	SBL/SBR	SR

TO HDMI Tx DATA

	SPDIF(PCM2ch)	I2S(HD Audio)	I2S(PCM Multi)	DSD
TxFS	------	------	------	FR
TxSD0	------	I2S0	FL/FR	FL
TxSD1	------	I2S1	C/SW	C
TxSD2	------	I2S2	SL/SR	SL
TxSD3	------	I2S3	SBL/SBR	SR
TxSPDIF	L/R(from RX)	------	------	SW

fig.05b

SR7008 ANALOG AUDIO BLOCK

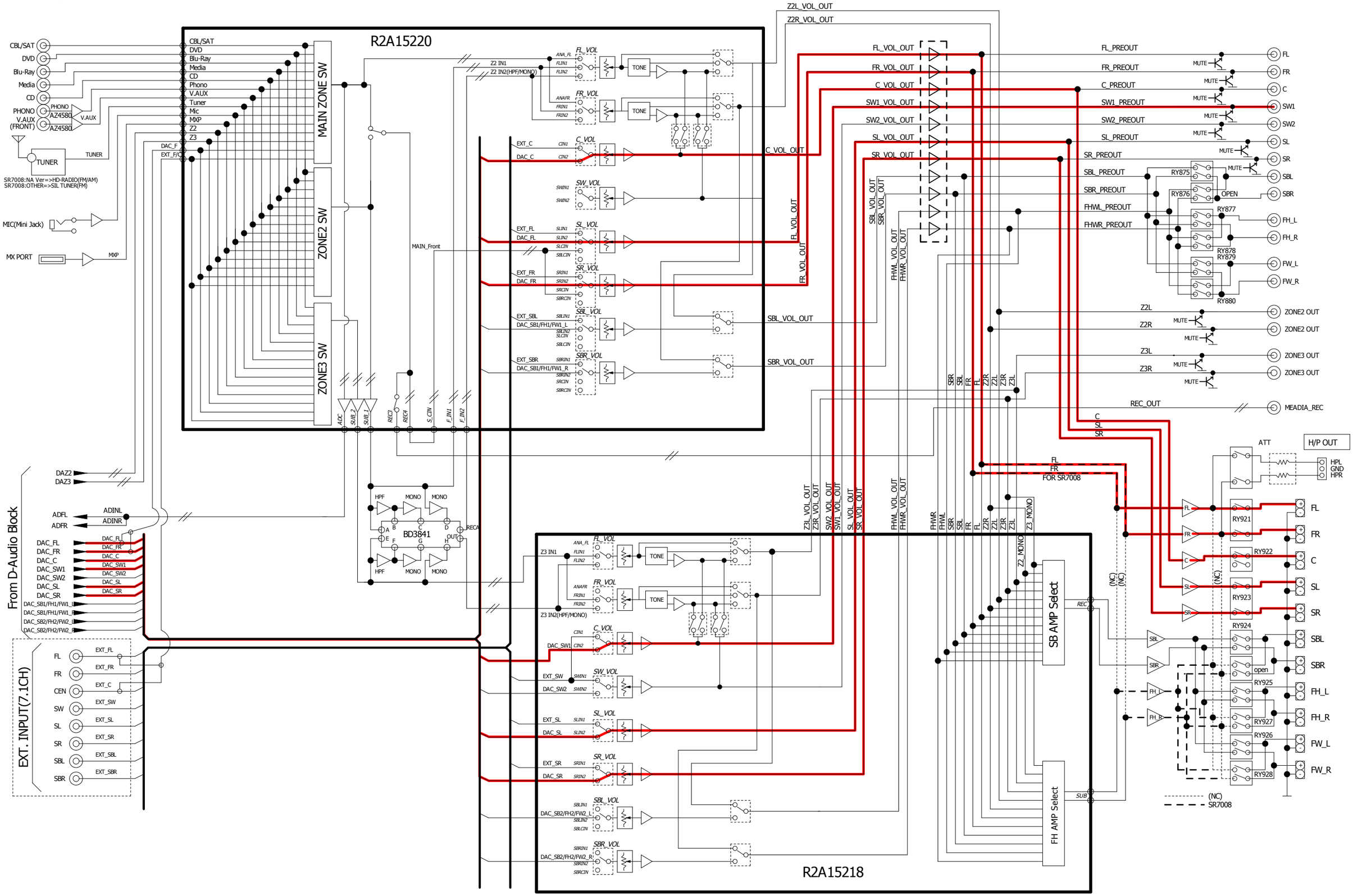


fig.06

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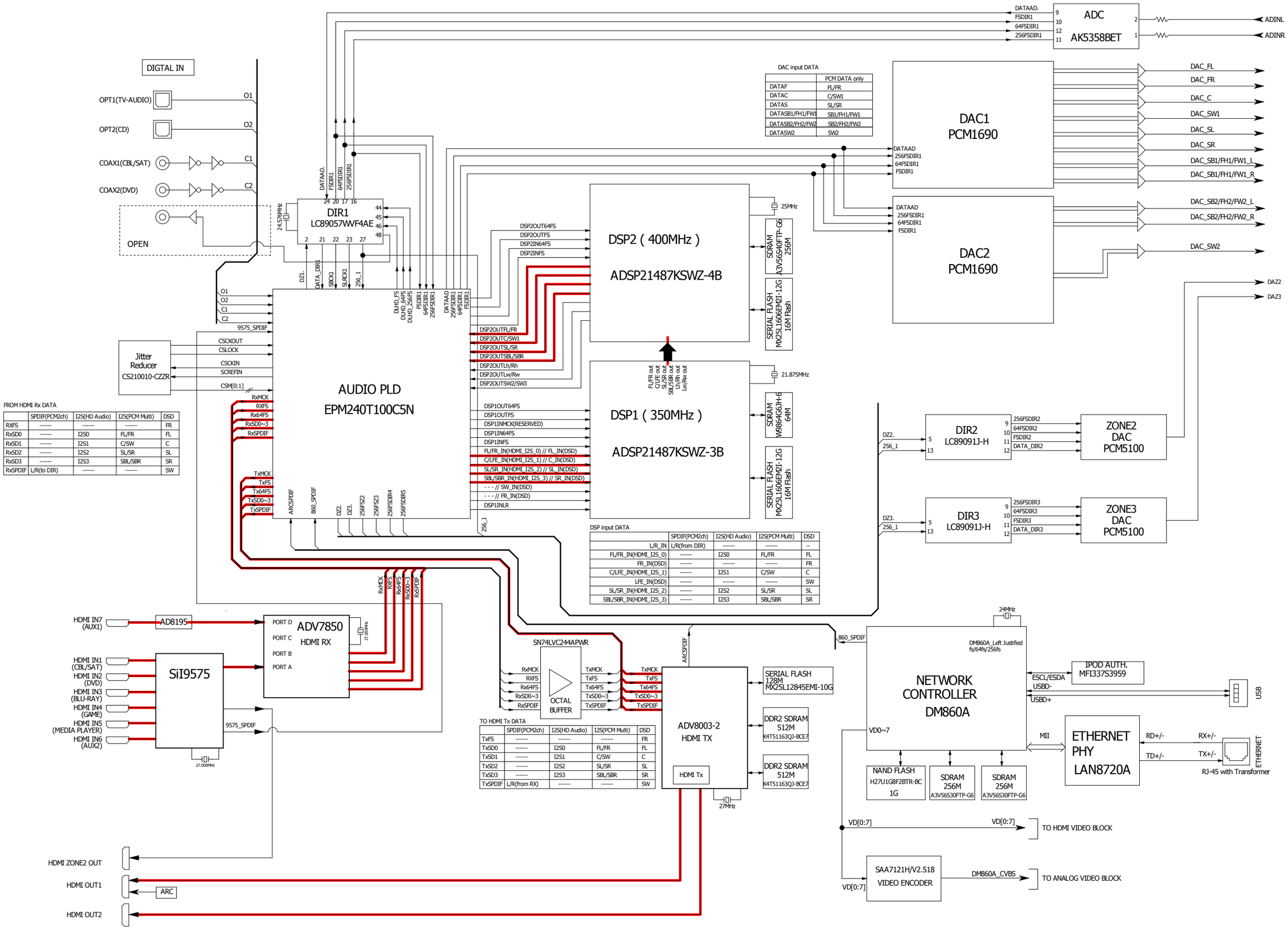

fig.07

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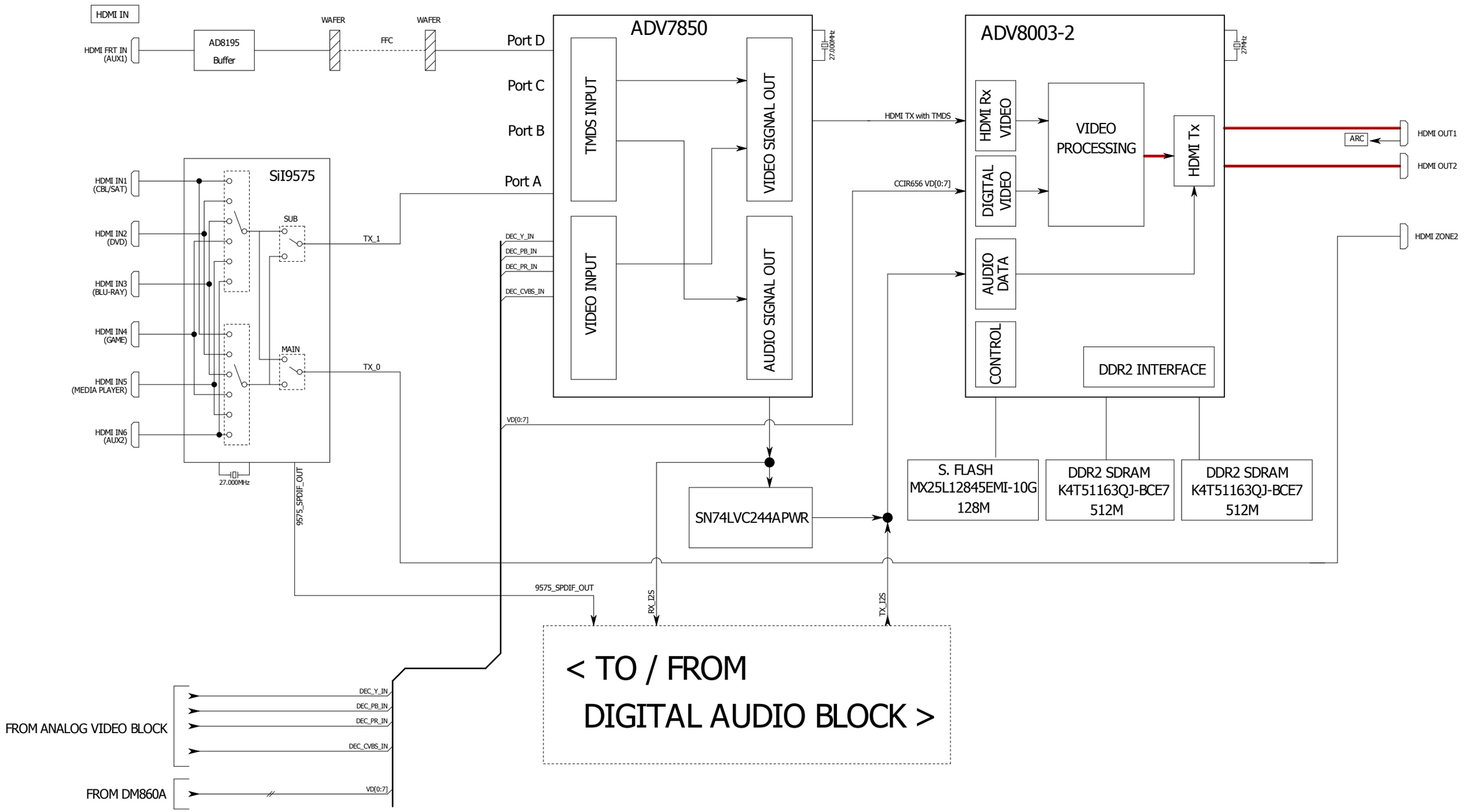

fig.08

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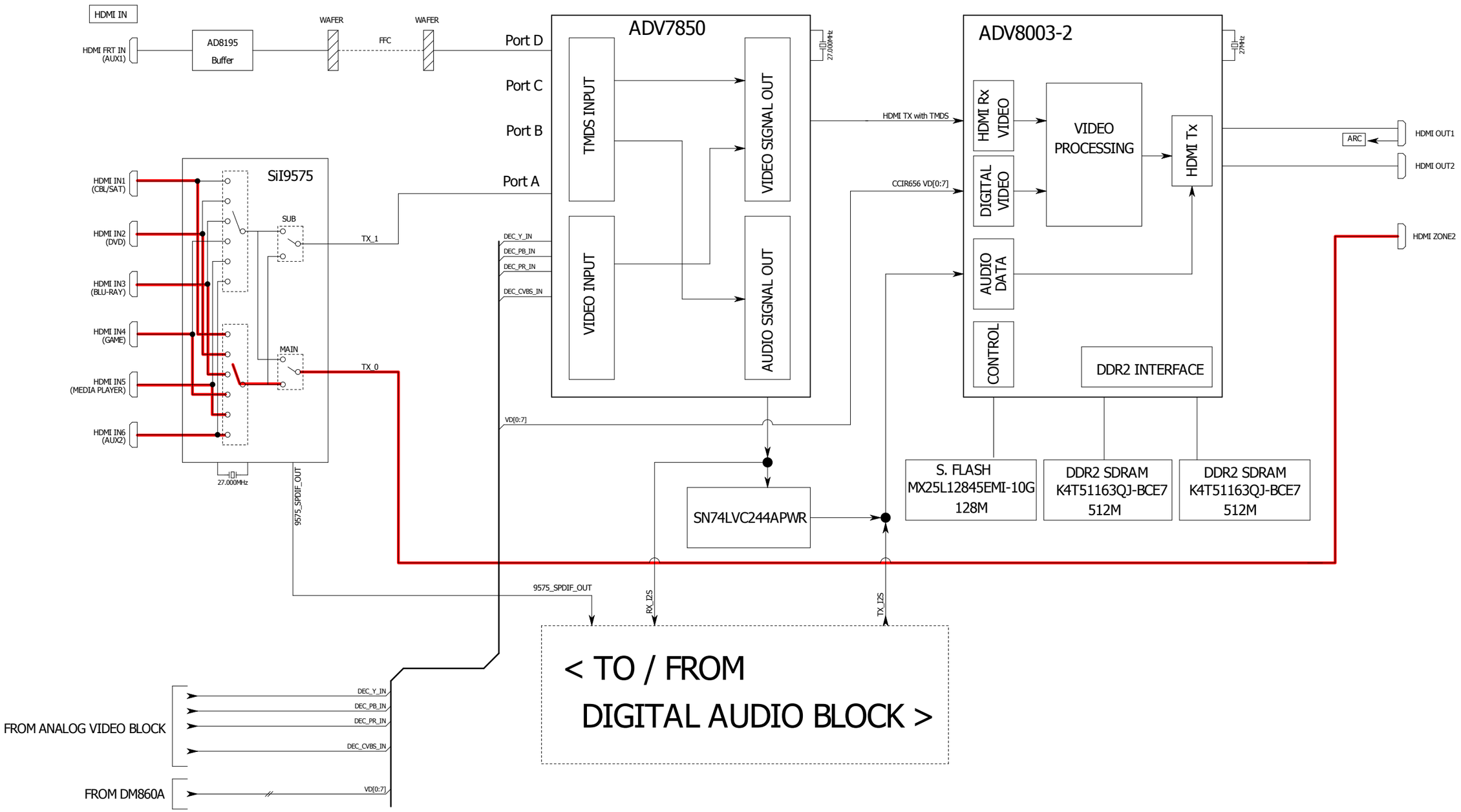

fig.09

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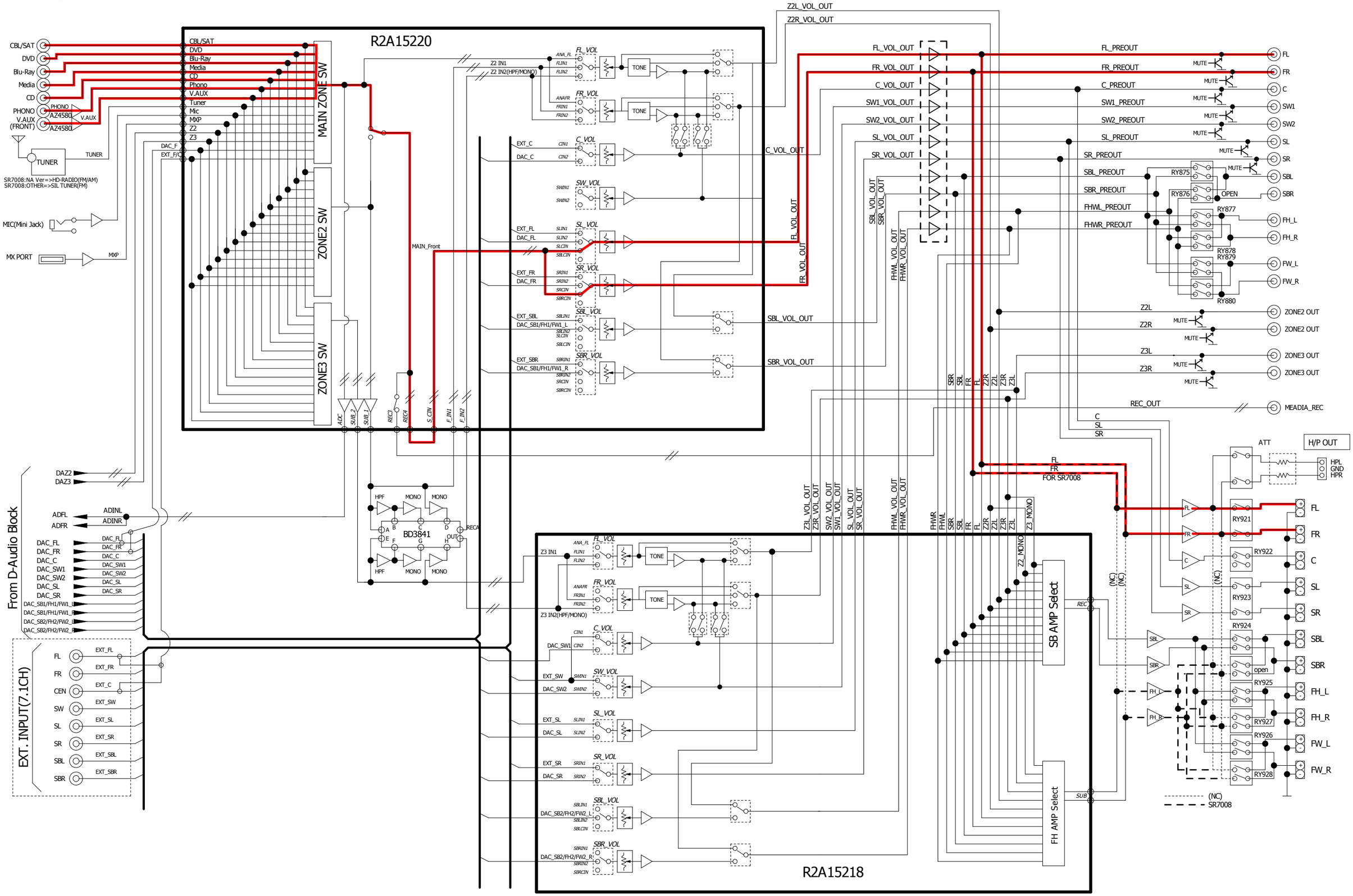

fig.10a

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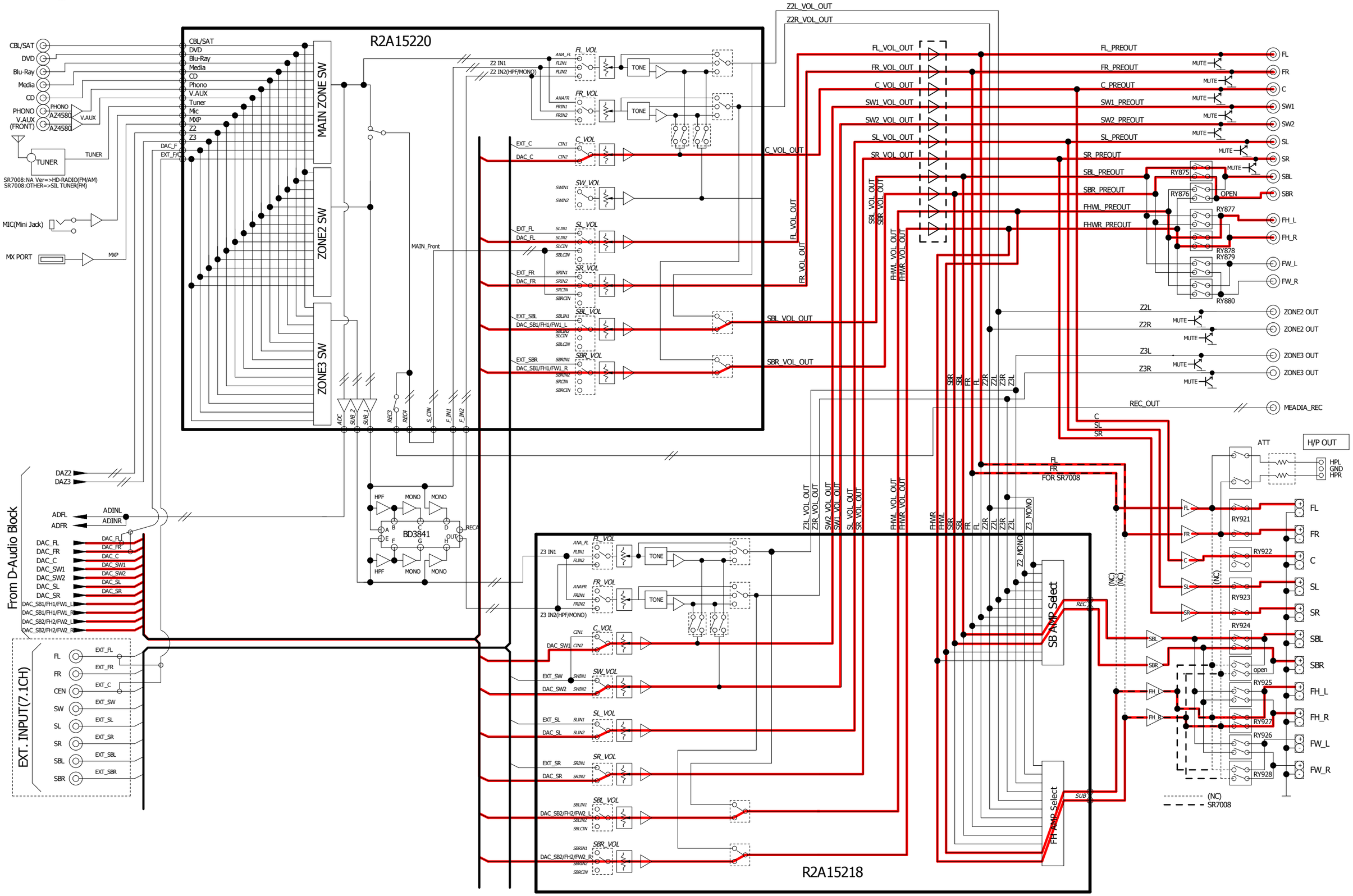

fig.10b

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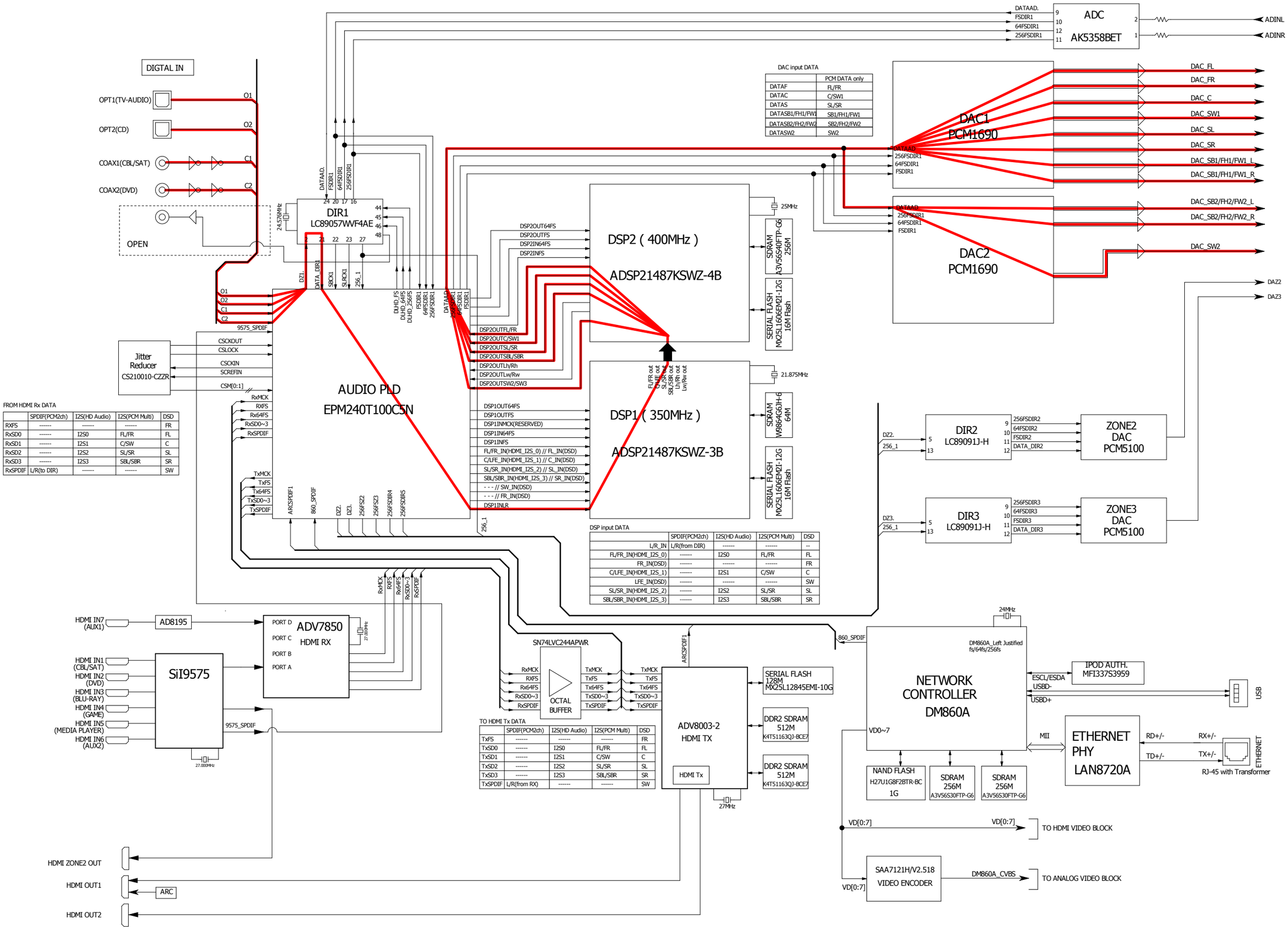

fig.11a

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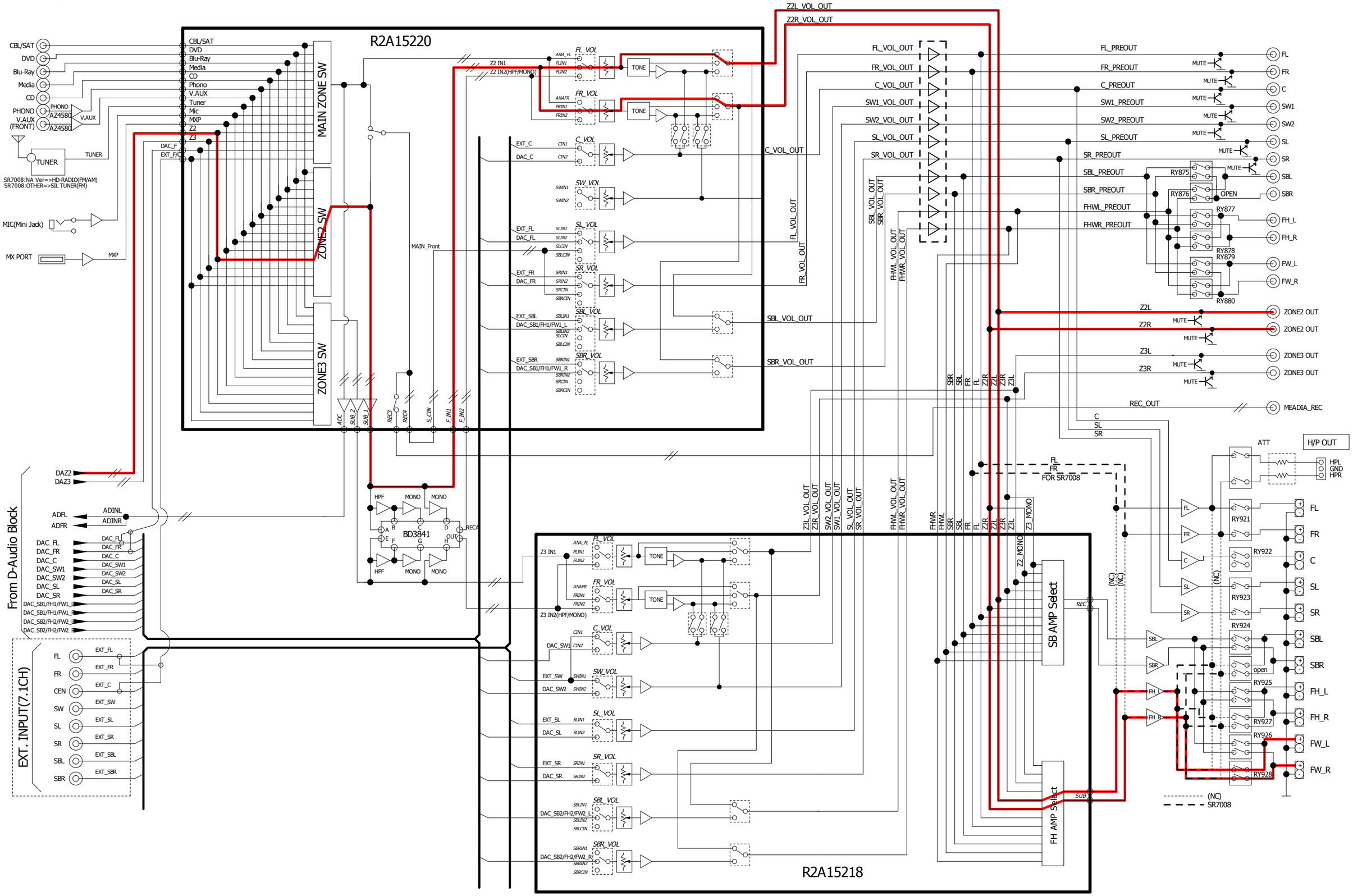

fig.11b

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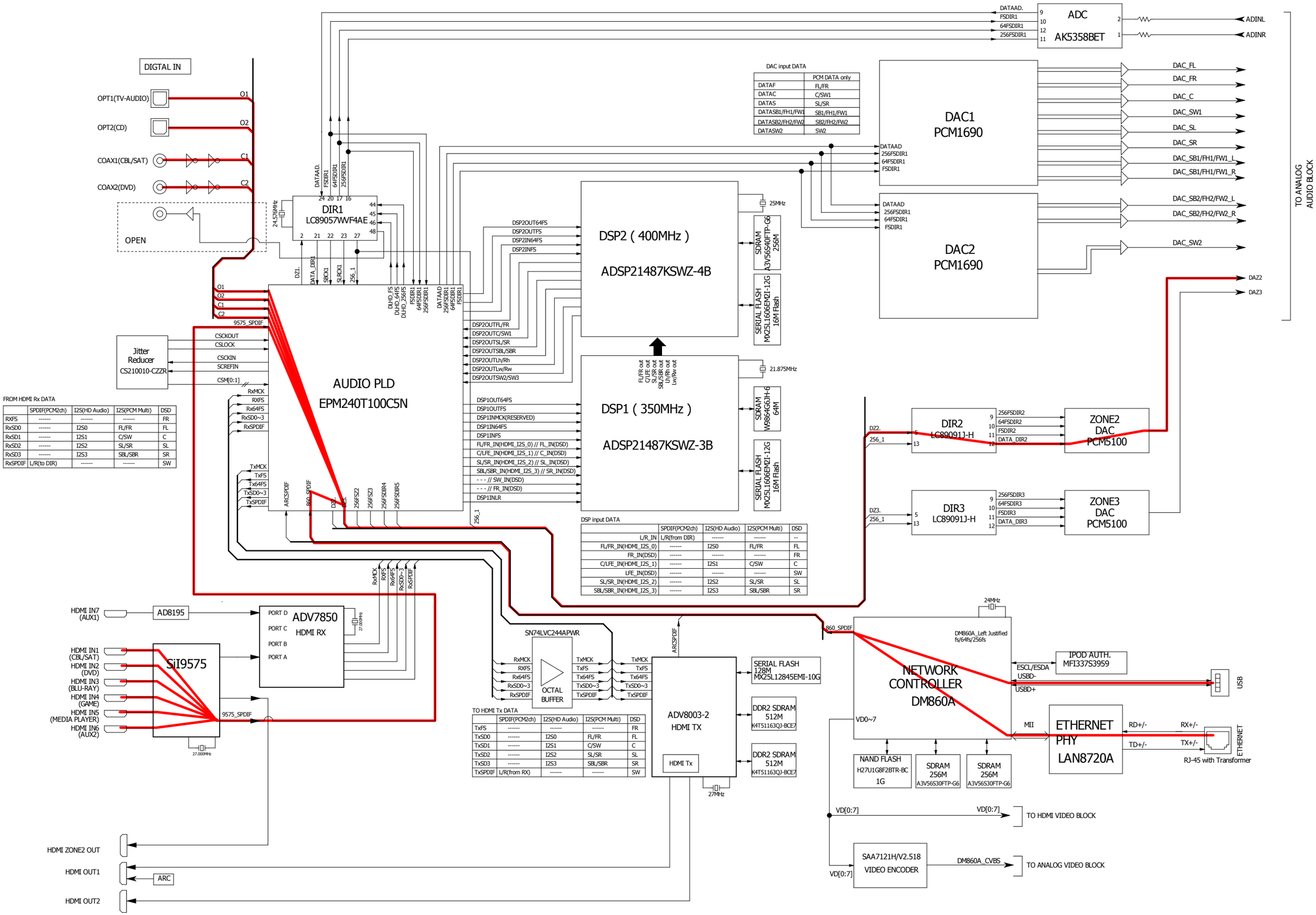

fig.12a

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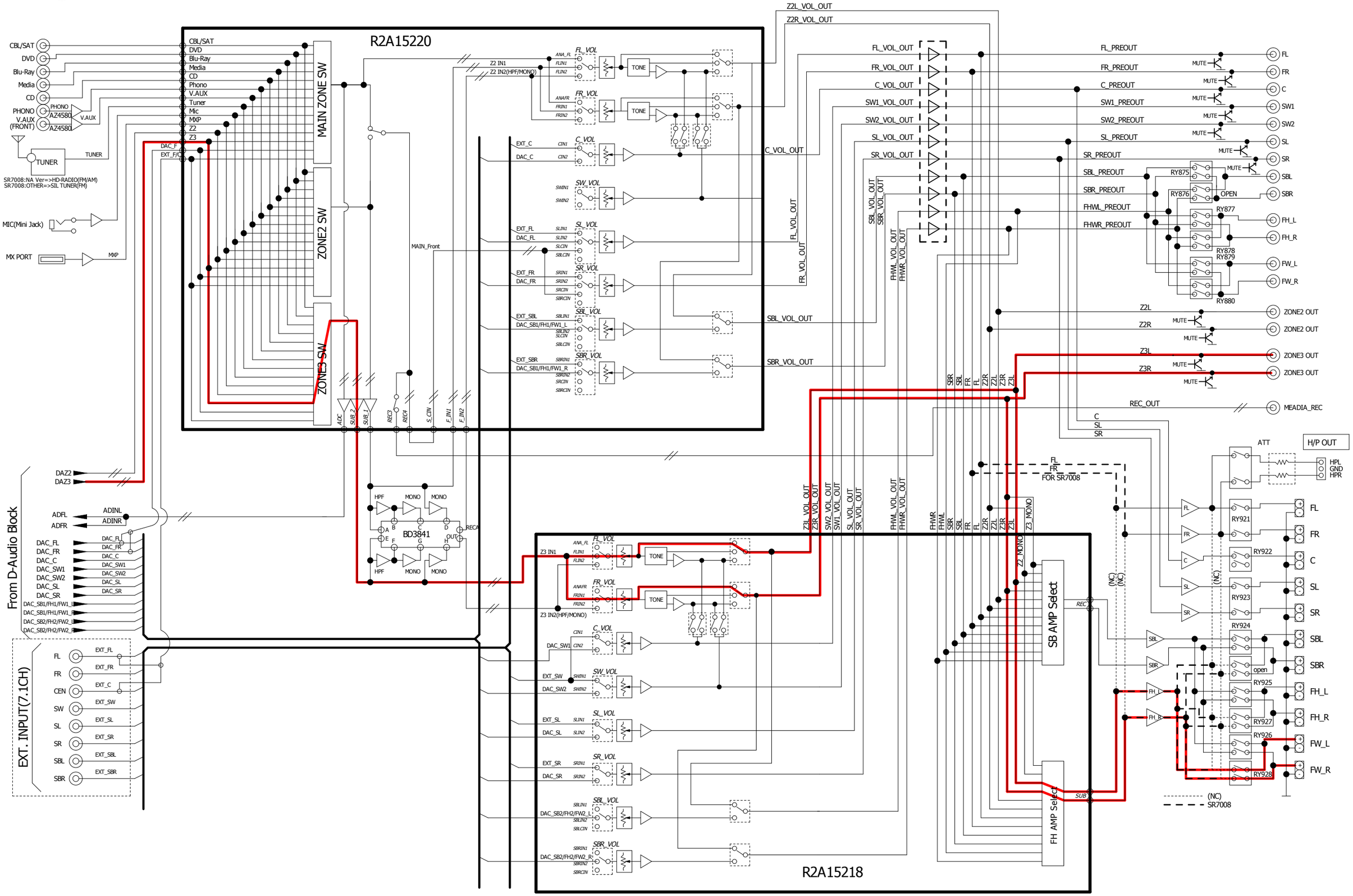

fig.12b

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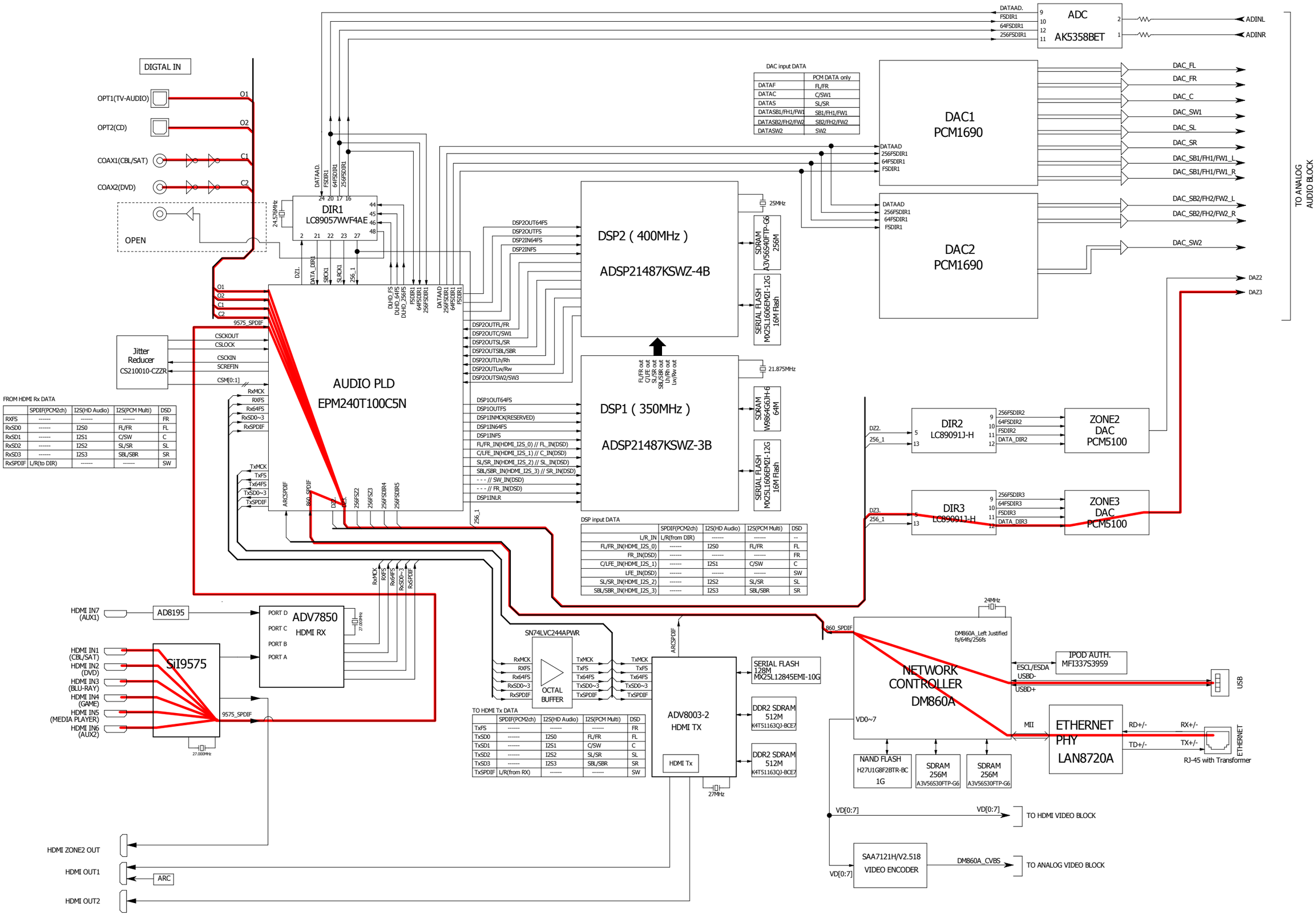

fig.13a

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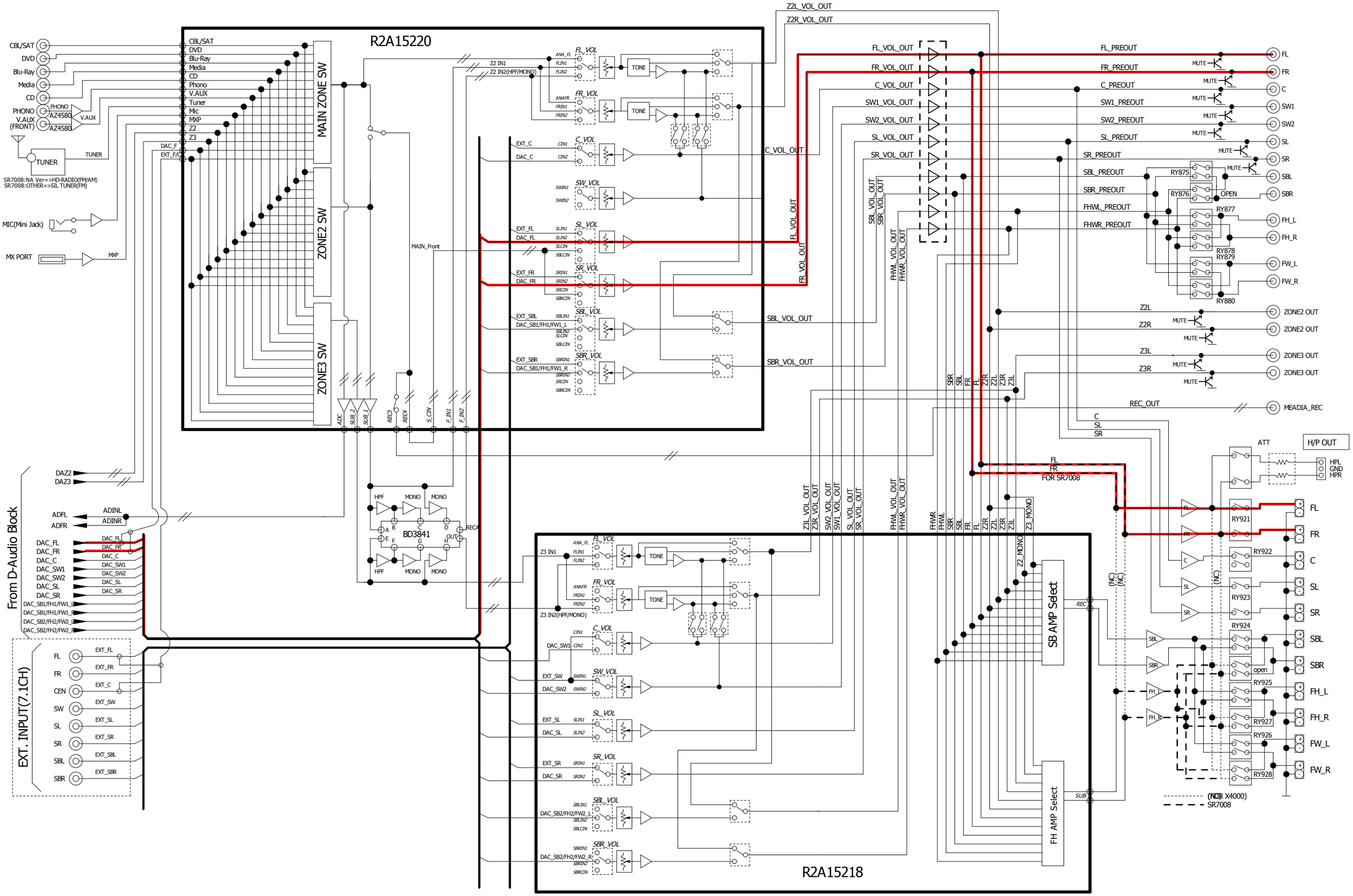

fig.13b

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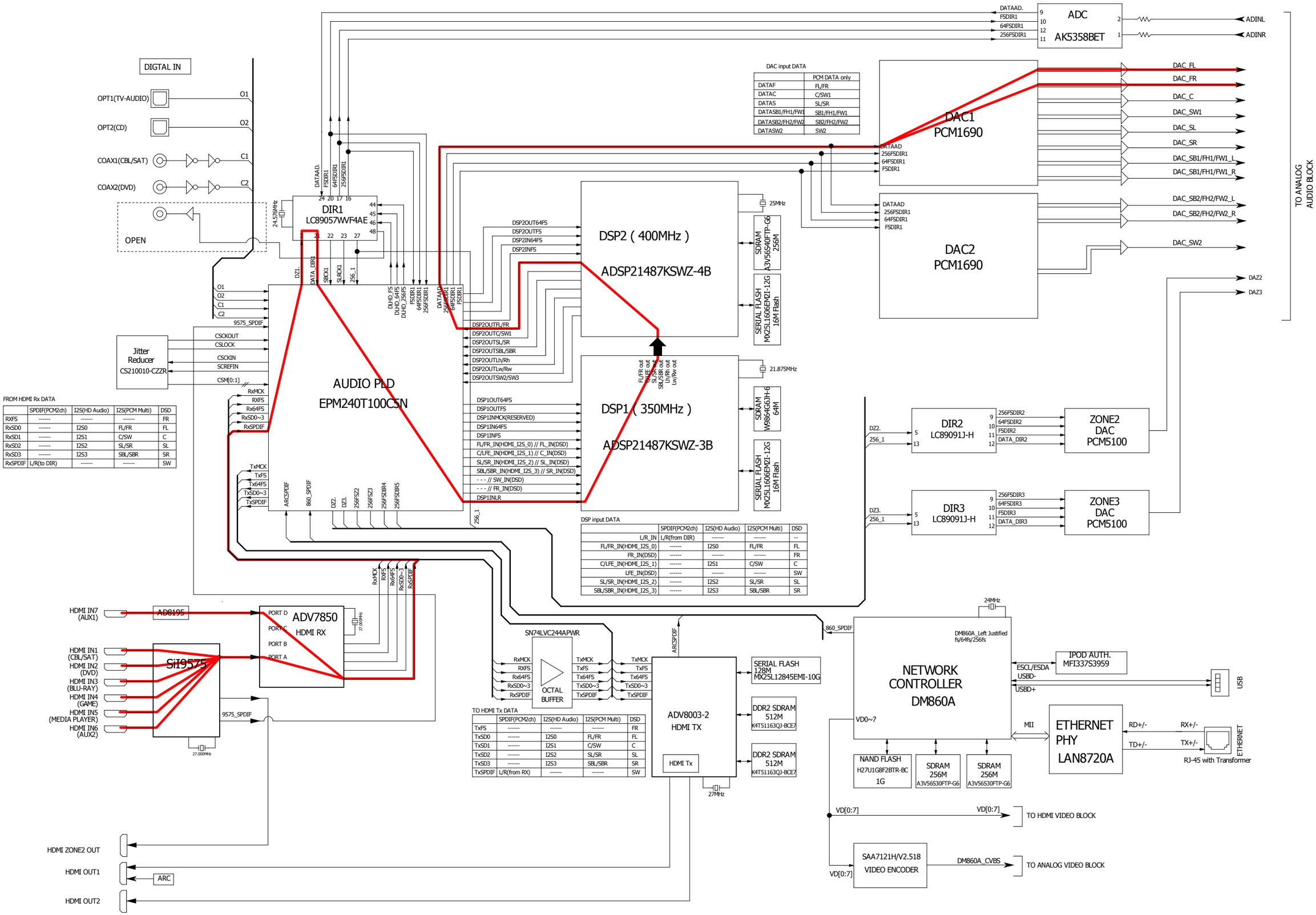

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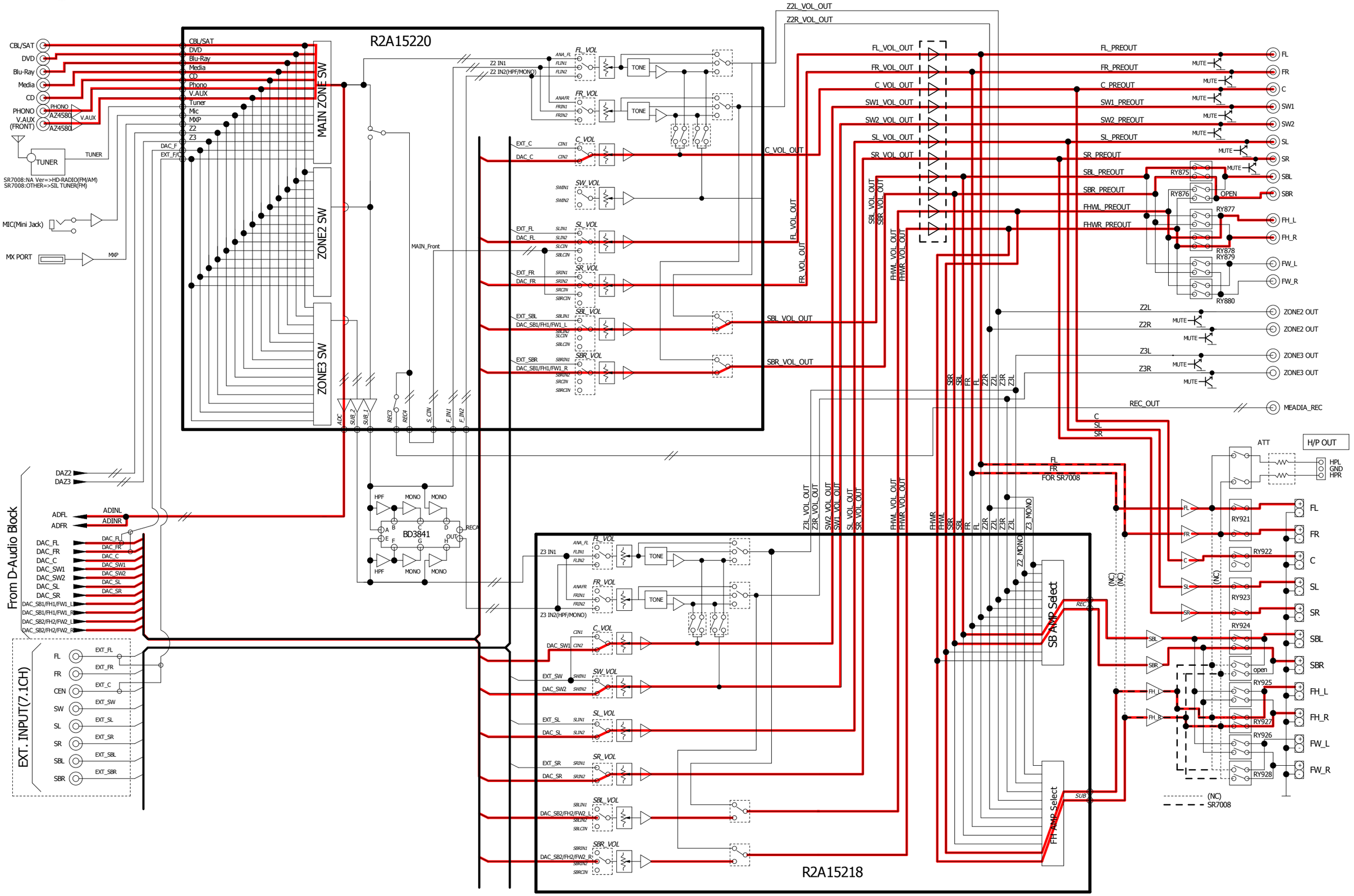

fig.14b

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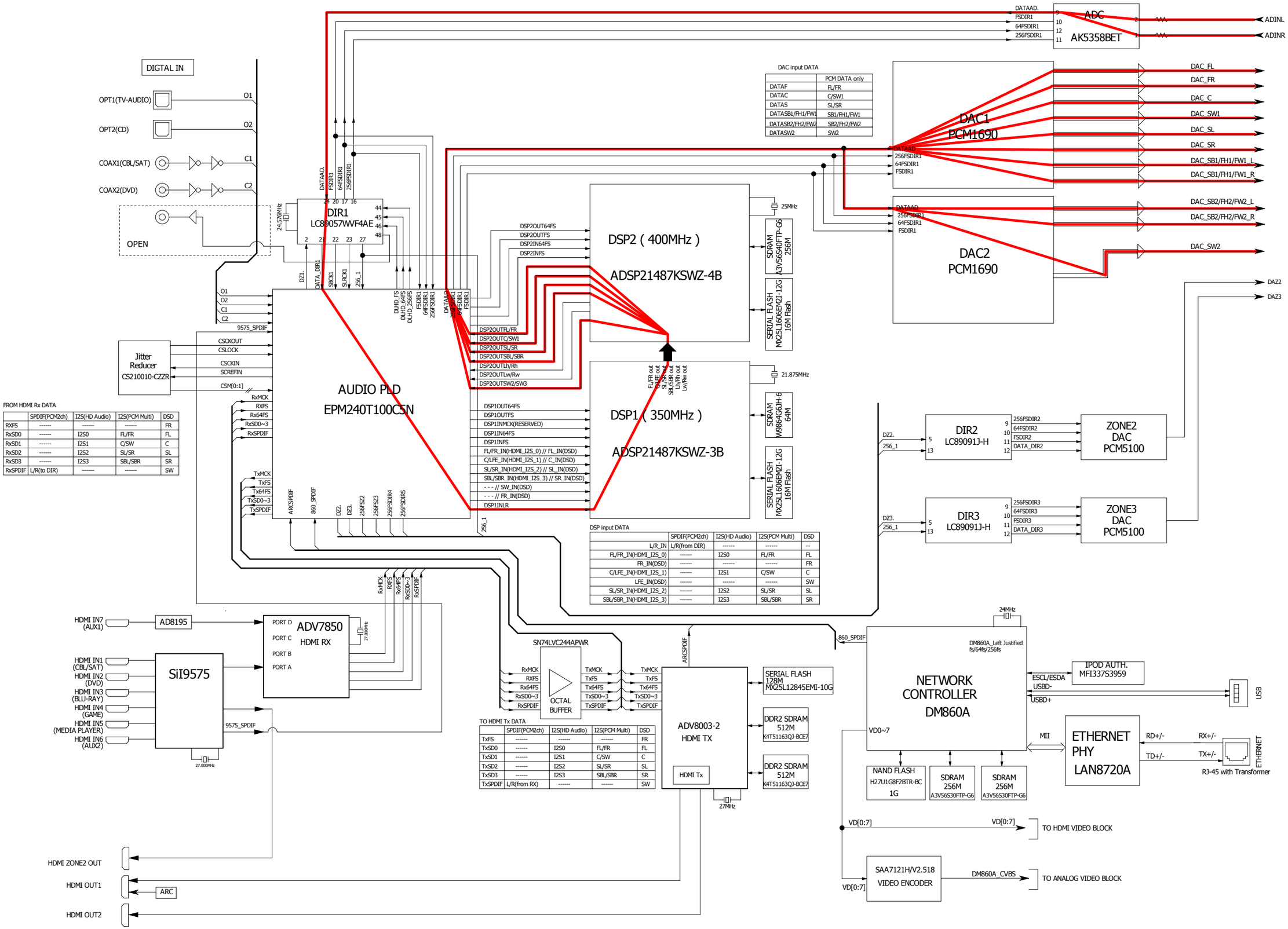

fig.15

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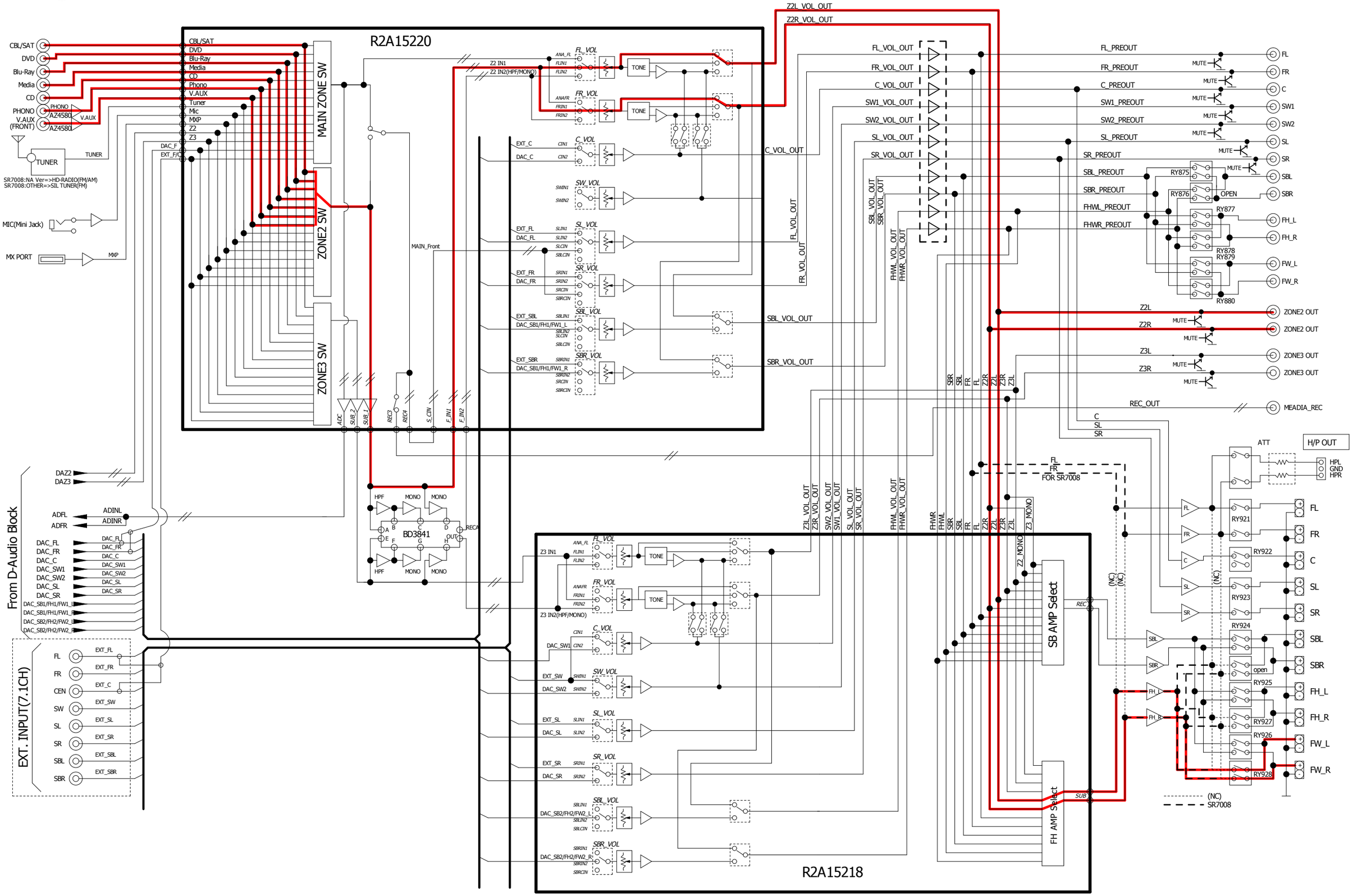

fig.16

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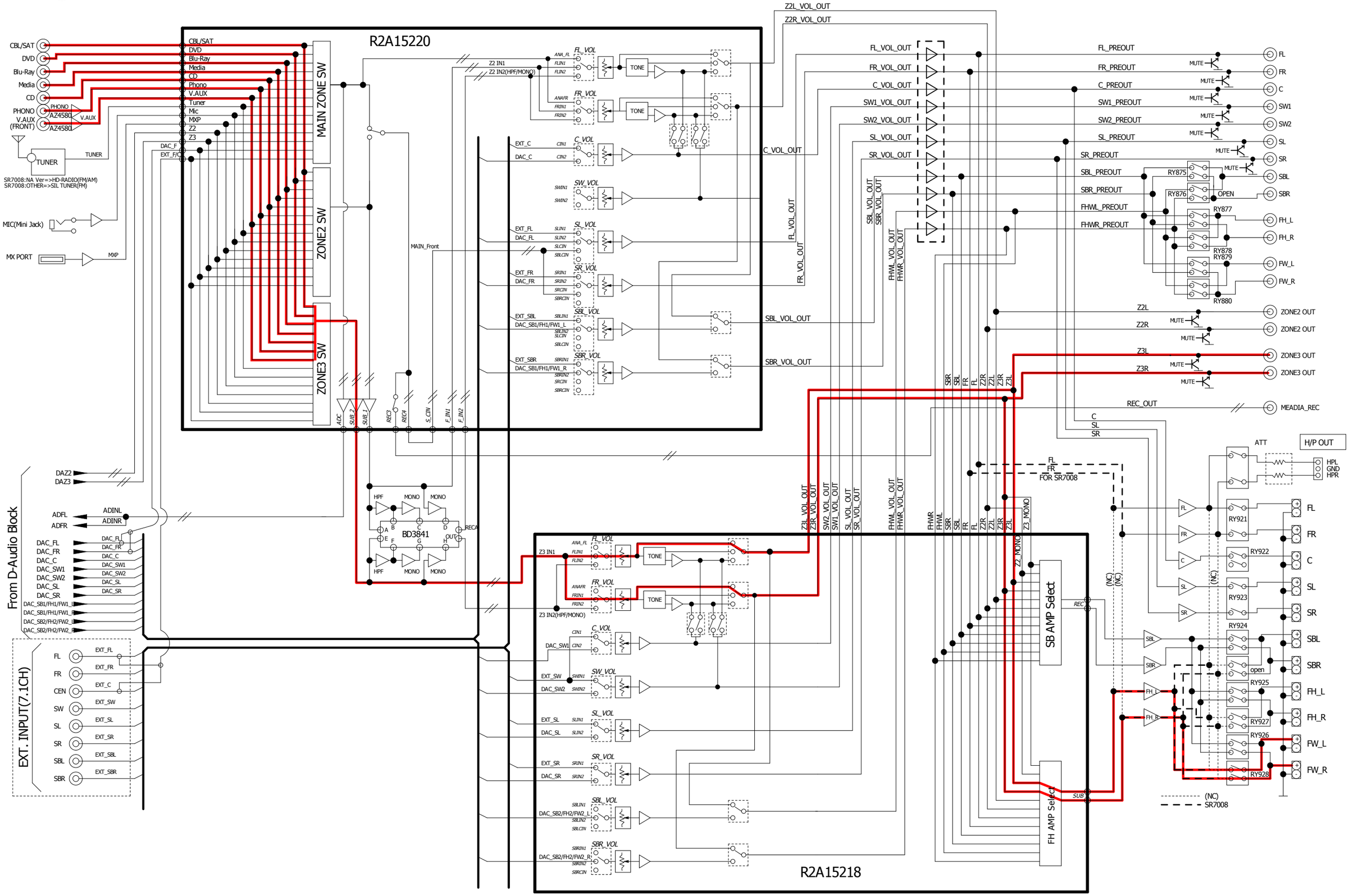

fig.17

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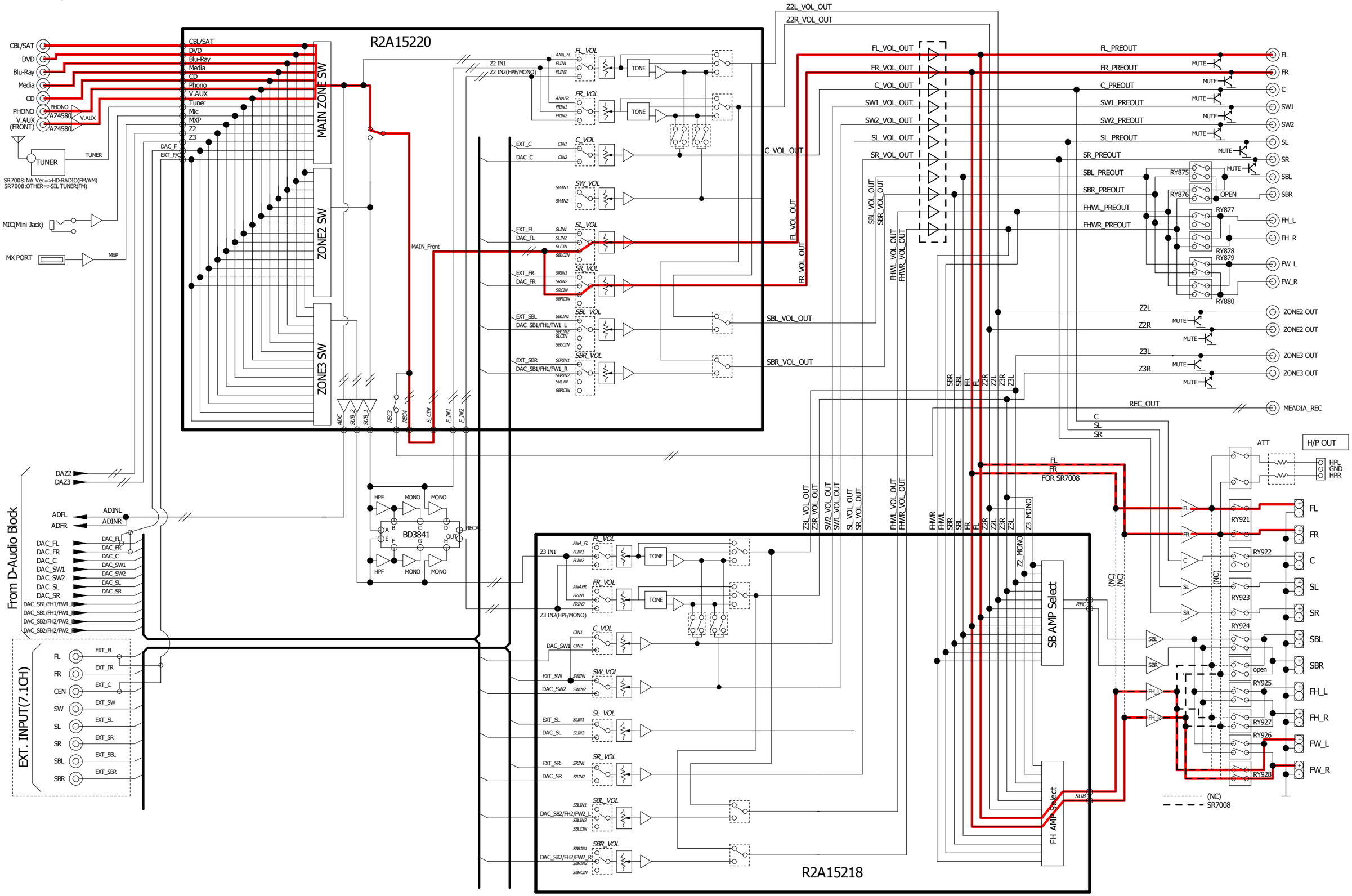

fig.18a

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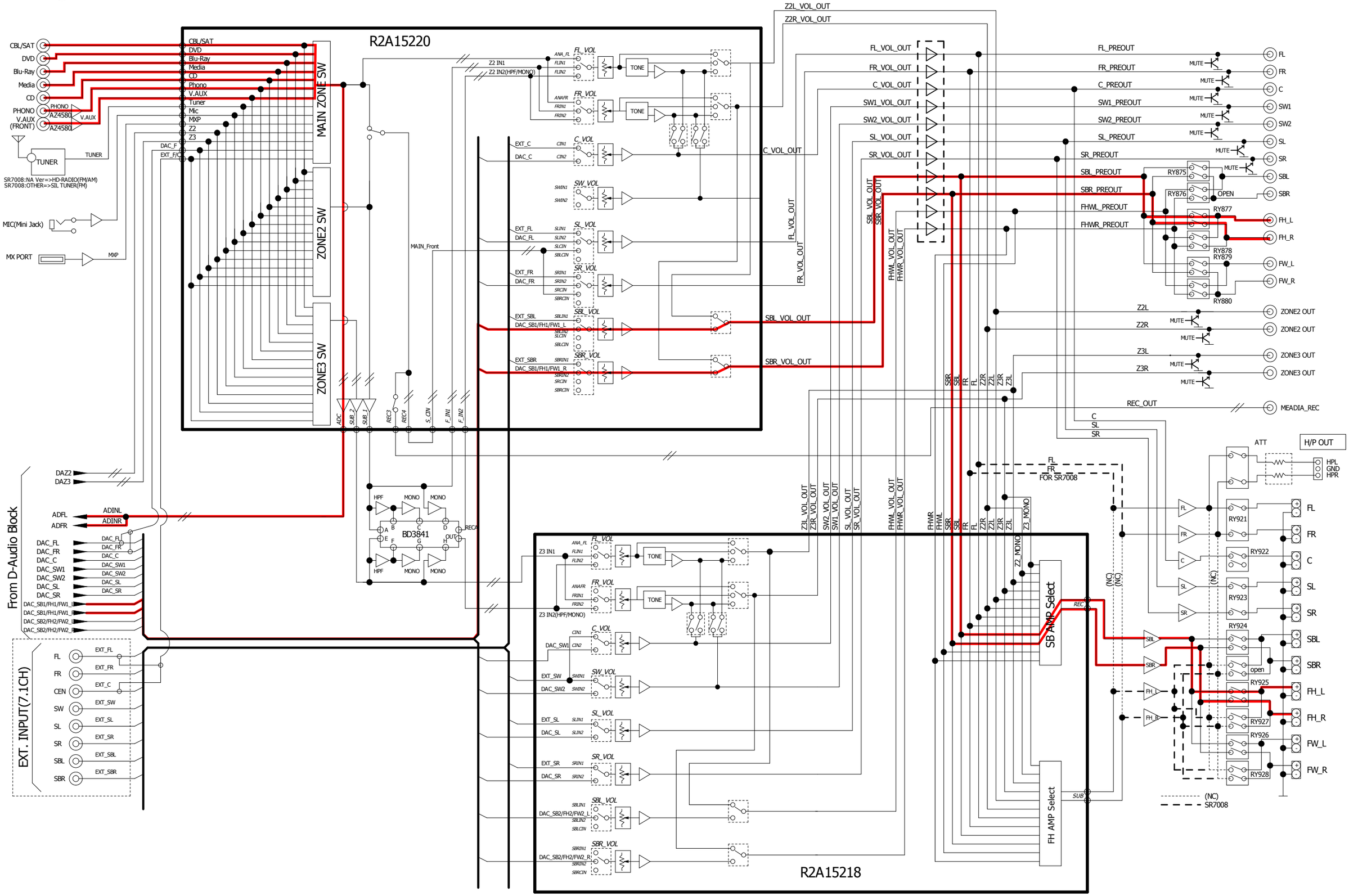

fig.18b

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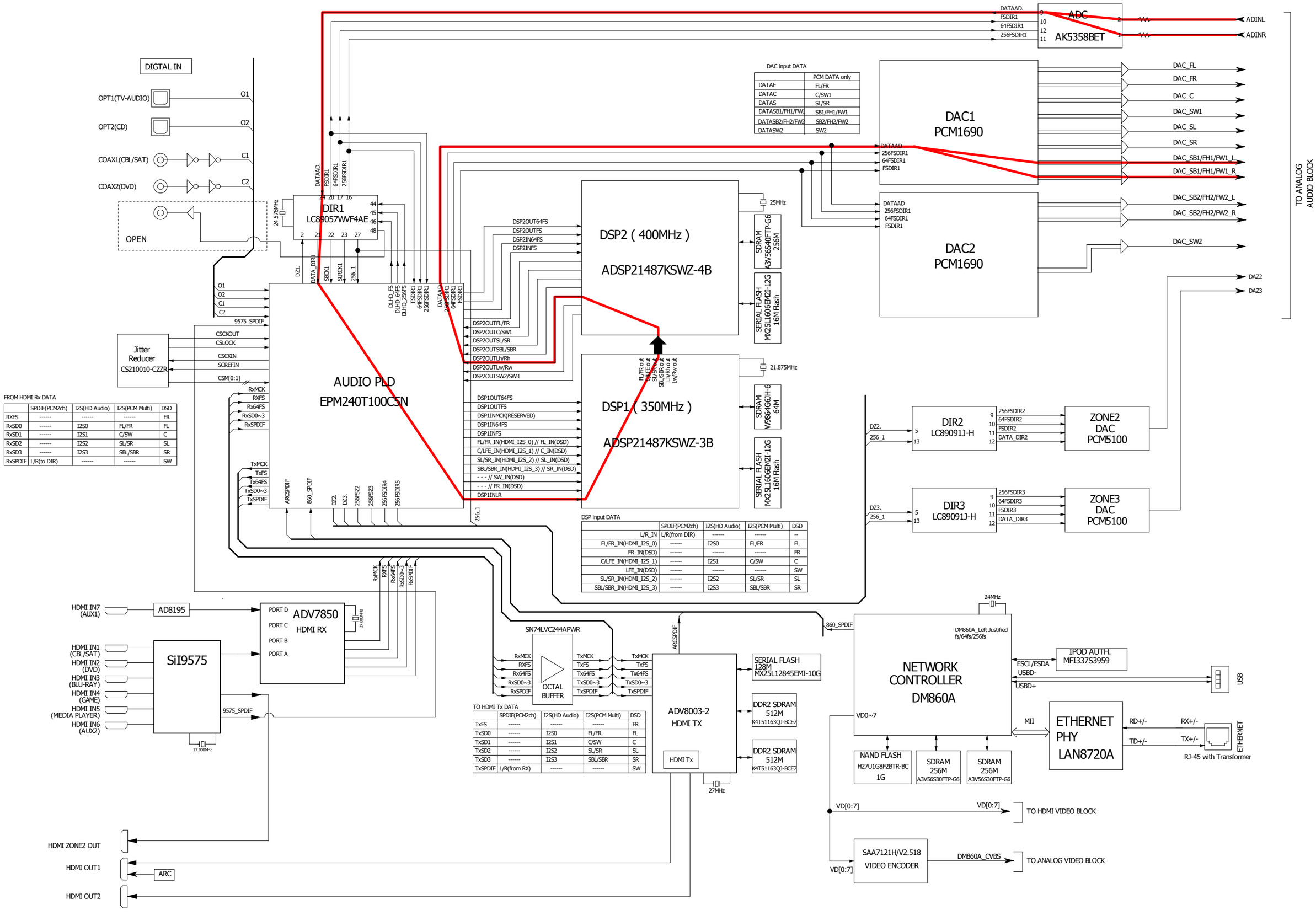

fig.19a

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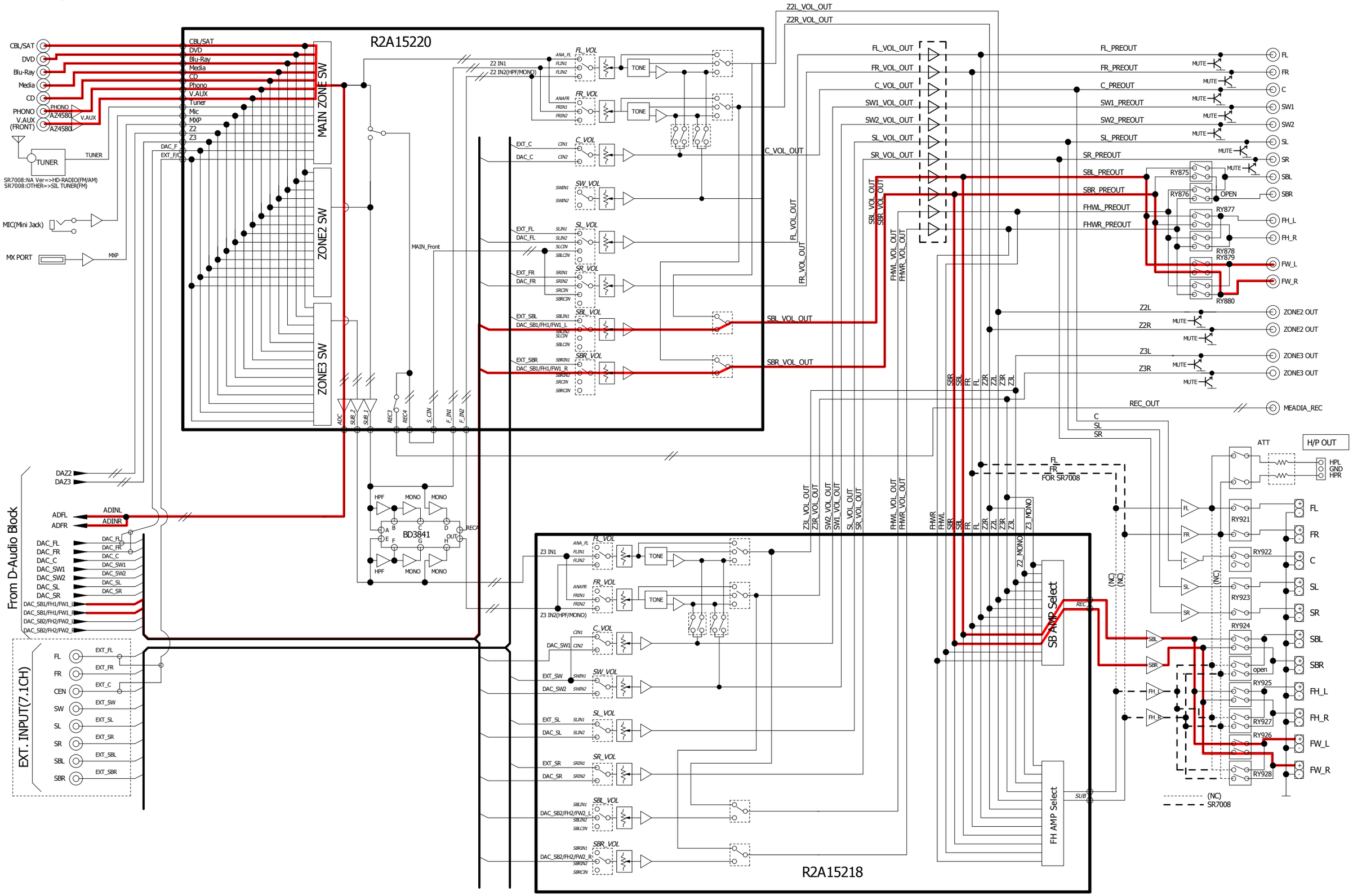

fig.19b

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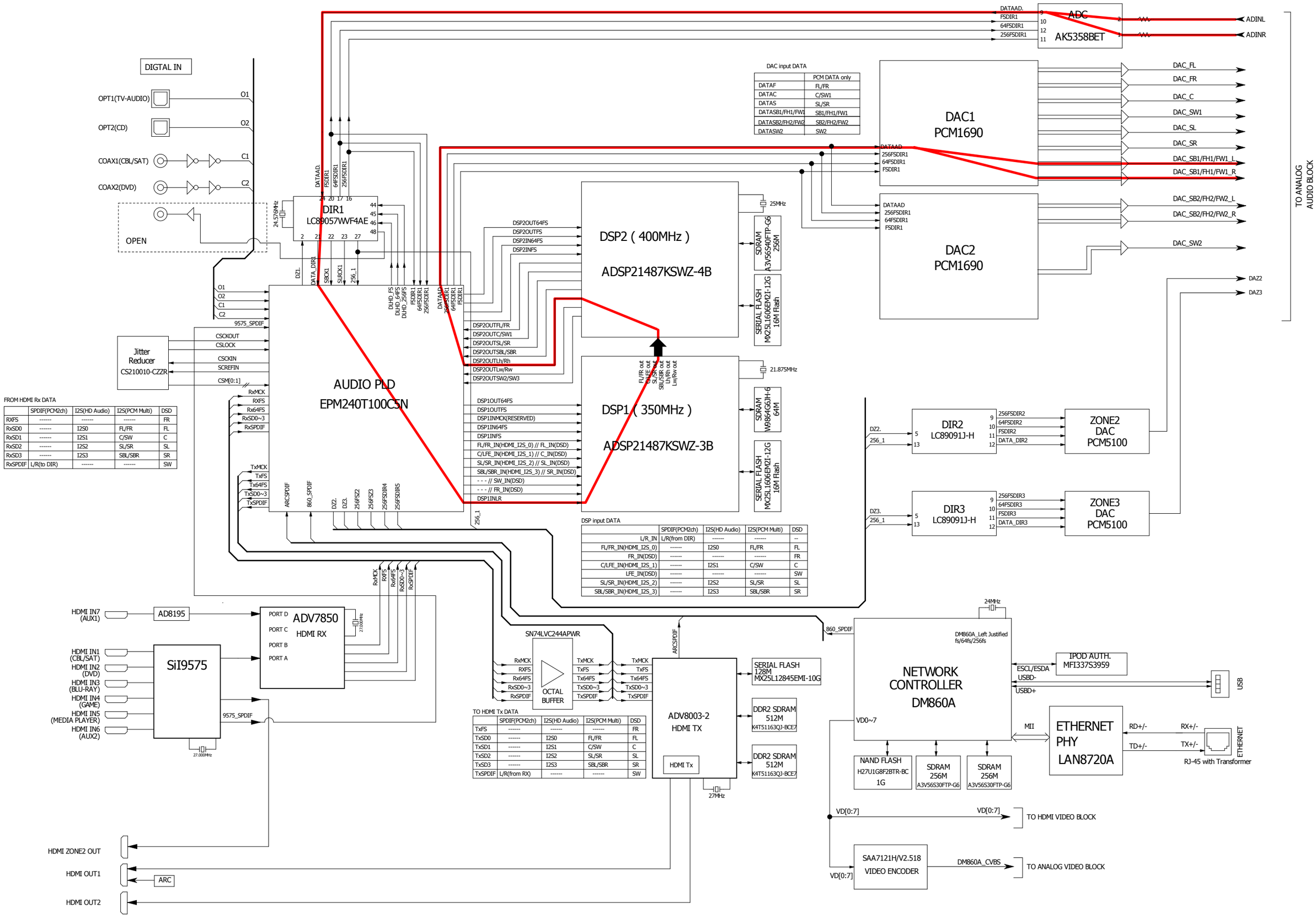

fig.20

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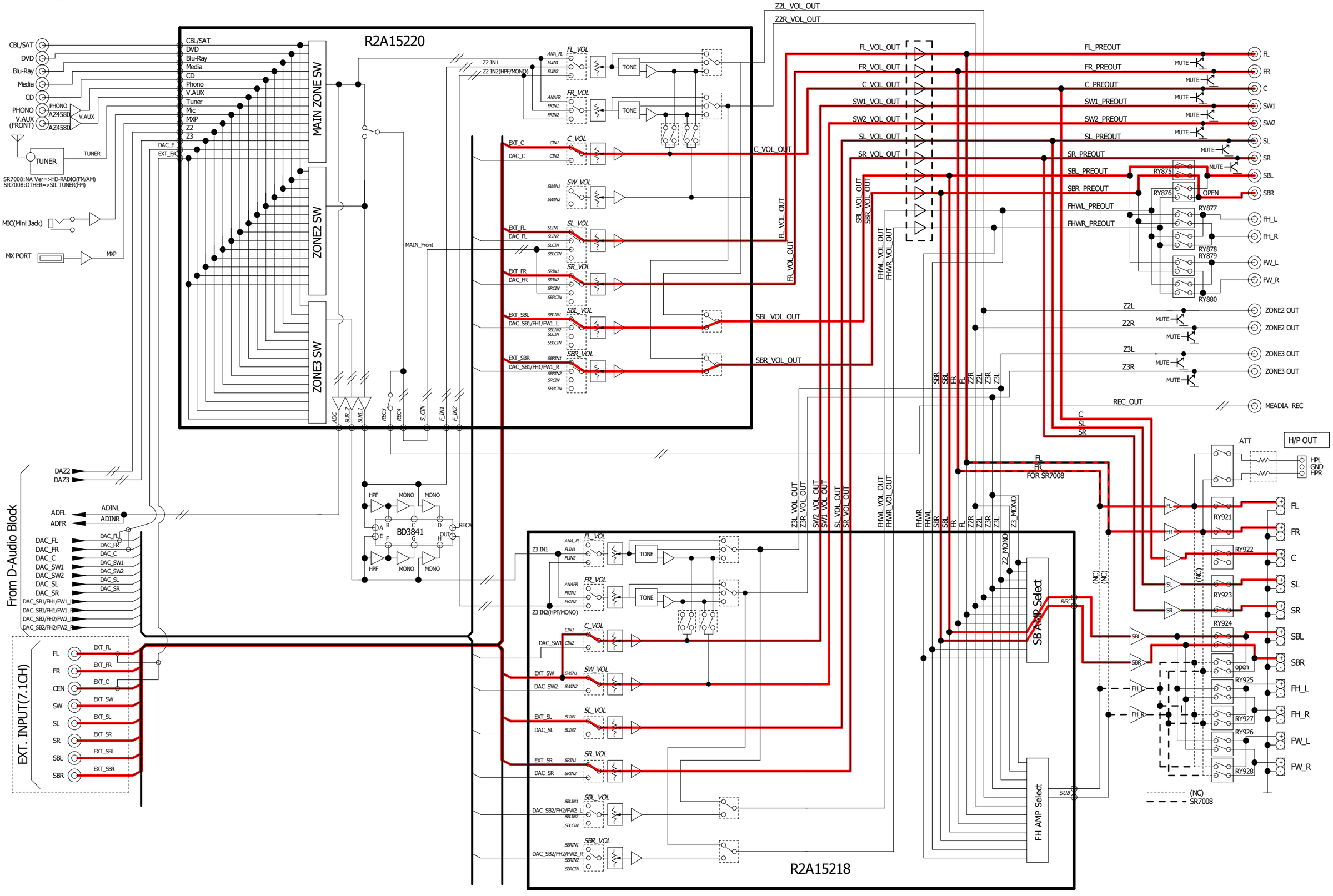

fig.21a

ASR7008 ANALOG AUDIO BLOCK

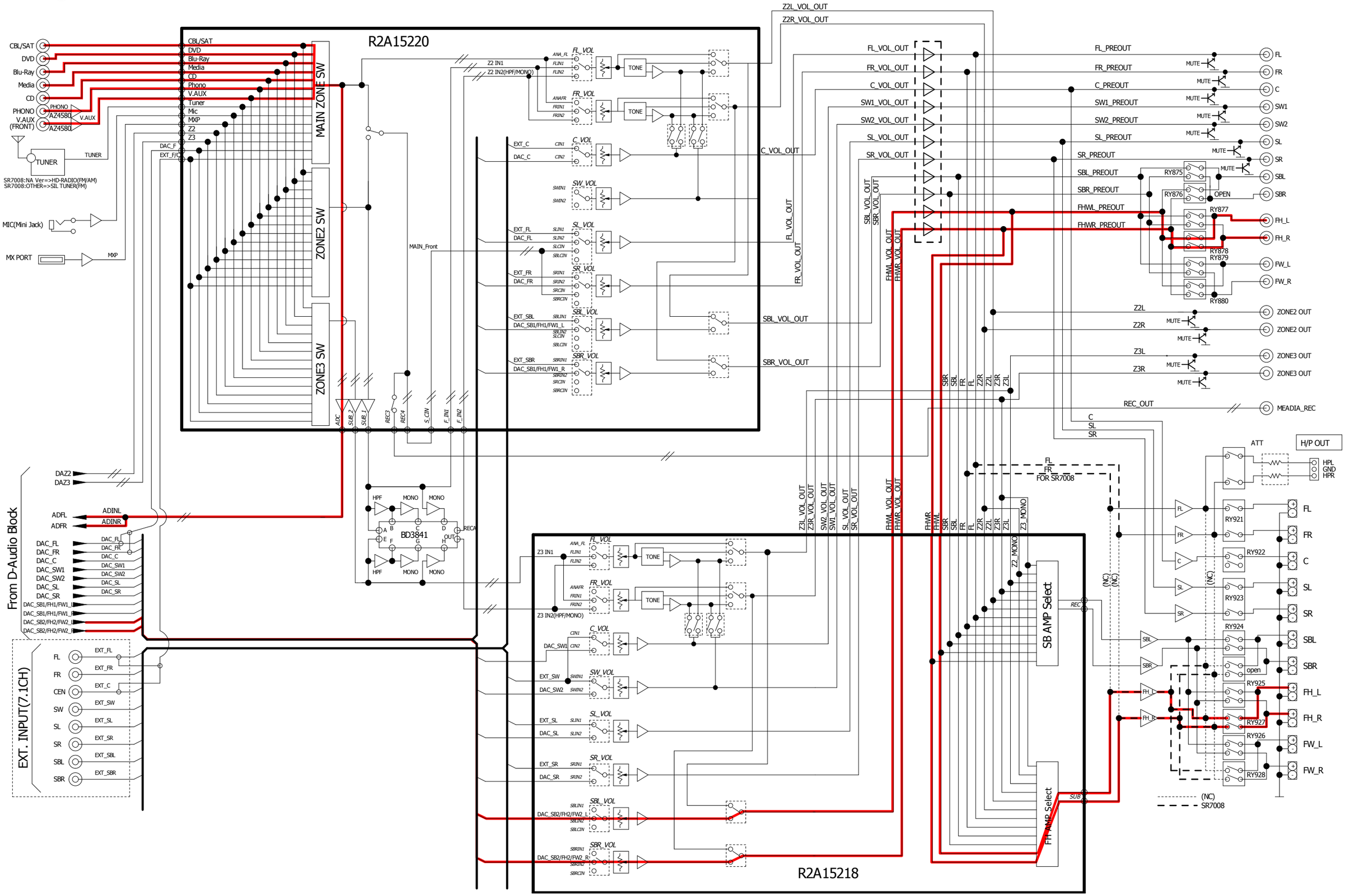

fig.21b

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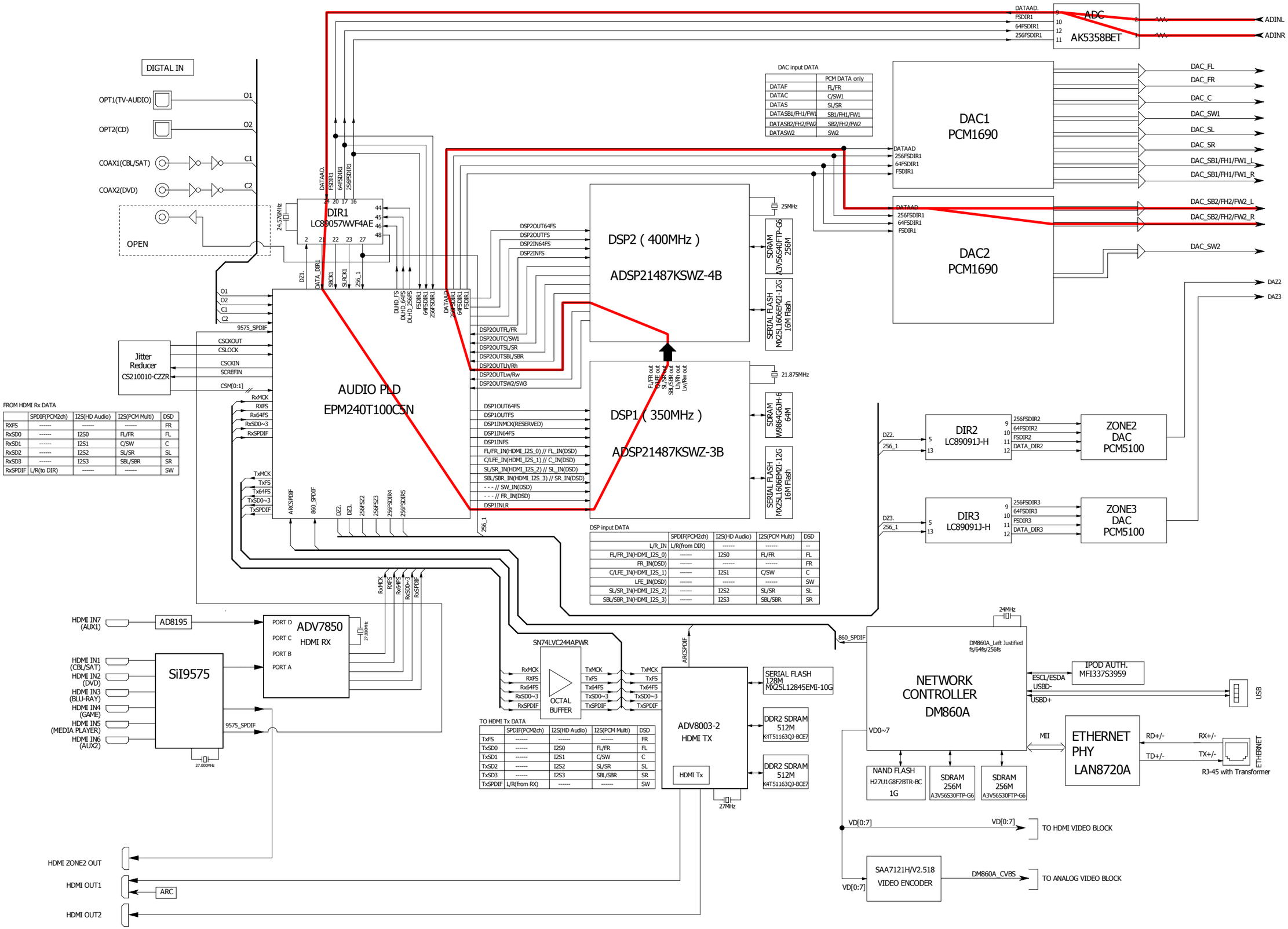

fig.22a

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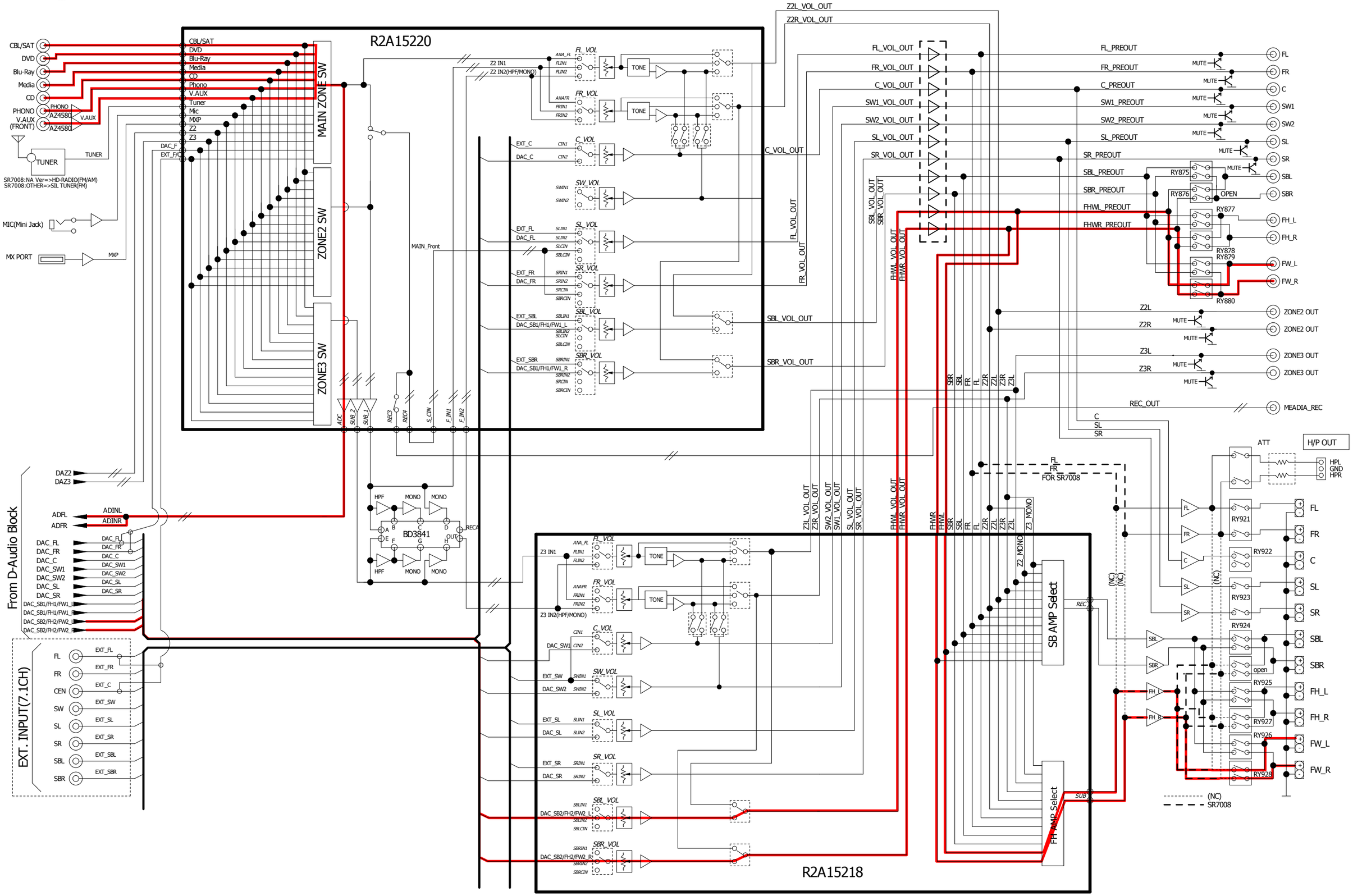
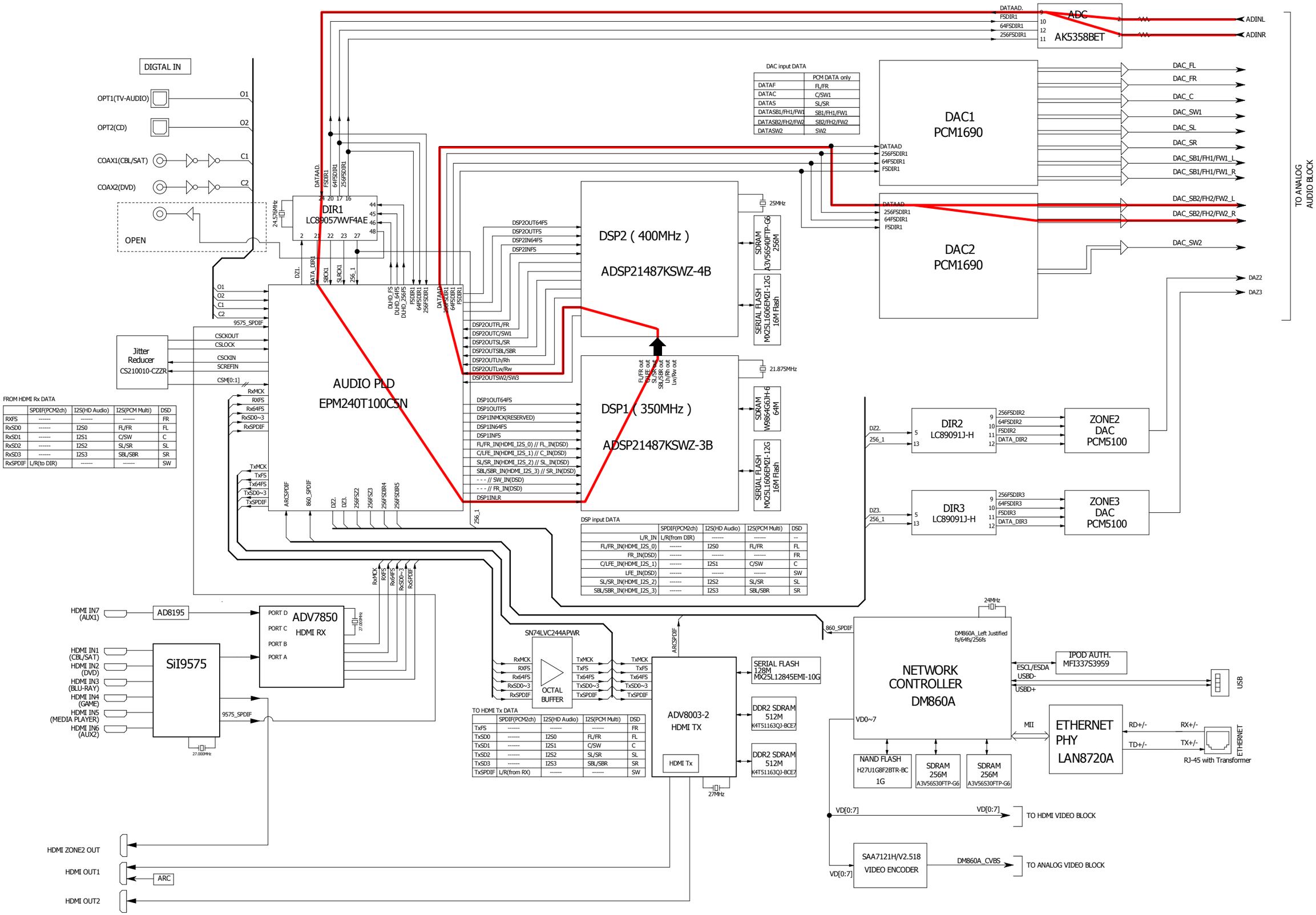


fig.22b

SR7008 DIGITAL AUDIO BLOCK



FROM HDMI Rx DATA

	SPDIF(PCM2ch)	I2S(HD Audio)	I2S(PCM Multi)	DSD
RXFS	------	------	------	FR
RxSD0	------	I2S0	FL/FR	FL
RxSD1	------	I2S1	C/SW	C
RxSD2	------	I2S2	SL/SR	SL
RxSD3	------	I2S3	SBL/SBR	SR
RxSPDIF	L/R(to DIR)	------	------	SW

DAC input DATA

	PCM DATA only
DATAF	FL/FR
DATAC	C/SW1
DATAS	SL/SR
DATASB1/FH1/FW1	SB1/FH1/FW1
DATASB2/FH2/FW2	SB2/FH2/FW2
DATASW2	SW2

DSP input DATA

	SPDIF(PCM2ch)	I2S(HD Audio)	I2S(PCM Multi)	DSD
L/R_IN	L/R(from DIR)	------	------	--
FL/FR_IN(HDMI_I2S_0)	------	I2S0	FL/FR	FL
FR_IN(DSD)	------	------	------	FR
C/LFE_IN(HDMI_I2S_1)	------	I2S1	C/SW	C
LFE_IN(DSD)	------	------	------	SW
SL/SR_IN(HDMI_I2S_2)	------	I2S2	SL/SR	SL
SBL/SBR_IN(HDMI_I2S_3)	------	I2S3	SBL/SBR	SR

TO HDMI Tx DATA

	SPDIF(PCM2ch)	I2S(HD Audio)	I2S(PCM Multi)	DSD
TxFS	------	------	------	FR
TxSD0	------	I2S0	FL/FR	FL
TxSD1	------	I2S1	C/SW	C
TxSD2	------	I2S2	SL/SR	SL
TxSD3	------	I2S3	SBL/SBR	SR
TxSPDIF	L/R(from RX)	------	------	SW

Personal notes:

Personal notes:

3.6. Errors checking mode (Displaying the protection history)

3.6.1. Operation specifications

Error mode (Displaying the protection history):
When the set is started up in this mode, the error information is displayed.

3.6.2. About the display on the FL display

When the **"STATUS"** button is pressed after setting the error (protection history display) mode is set, a history like the one shown below is displayed, depending on the conditions.

(1) Normal (when there has been no protection incident)

Upper	P	R	O	T	E	C	T		H	I	S	T	O	R	Y	
Lower	:	N	O		P	R	O	T	E	C	T					

(2) For ASO (when the last protection incident was ASO protection)

Upper	P	R	O	T	E	C	T		H	I	S	T	O	R	Y	
Lower	:	A	S	O												

Cause: The line between speaker terminals is shorted, or speakers with impedance of less than the rated value.
Supplementary information: As the excess current is detected after operation of the speaker relay, a short on the speaker terminal and the connected speaker can be identified.

If the power is turned on without correcting the abnormality, the protection function will work about 5 seconds later and the power supply will be shut off.

(3) For DC (when the last protection incident was DC protection)

Upper	P	R	O	T	E	C	T		H	I	S	T	O	R	Y	
Lower	:	D	C													

Cause: DC output of the power amplifier is abnormal.

If the power is turned on without correcting the abnormality, the protection function will work about 5 seconds later and the power supply will be shut off.

(4) For THERMAL (when the last protection incident was THERMAL protection)

Upper	P	R	O	T	E	C	T		H	I	S	T	O	R	Y	
Lower	:	T	H	E	R	M	A	L		*						

*: E,F
Cause: The temperature of the heat sink is excessive.

If the power is turned on without correcting the abnormality, the protection function will work about 5 seconds later and the power supply will be shut off.

(5) For CURRENT (when the last protection incident was CUIRRENT protection)

Upper	P	R	O	T	E	C	T		H	I	S	T	O	R	Y	
Lower	C	U	R	R	E	N	T									

Cause: Continuous and abnormal output is detected while using speakers with multiple channels.

If the power is turned on without correcting the abnormality, the protection function will work about 1 minute later and the power supply will be shut off.

※ Additional causes of protection can be due to loose connections, associated components, Microprocessor, etc.

When the **"STATUS"** button is pressed again after the above protection history as shown above is displayed, the normal display reappears.(Refer to **"PROTECTION DIAGRAM"** 27 page.)

3.6.3. Clearing the protection history

There are two ways to clear the protection history, as described below.

(1) Start up the set in error (protection display) mode and display the error, then press and hold down the **"ENTER"** button for 3 seconds.

Upper	P	R	O	T	E	C	T		H	I	S	T	O	R	Y	
Lower	:	T	H	E	R	M	A	L		E						

Press the **"ENTER"** button for 3 seconds.

Upper	P	R	O	T	E	C	T		H	I	S	T	O	R	Y	
Lower						C	L	E	A	R						

The above is displayed and the protection history is cleared.

Upper	P	R	O	T	E	C	T		H	I	S	T	O	R	Y	
Lower	:	N	O		P	R	O	T	E	C	T					

(2) Initialize. (Refer to **"Initializing AV SURROUND RECEIVER"** 10 page.)

※ If you want to save a backup, perform the method in 2.3. above.

Warning indication by the POWER LED

If the power is turned off when a protection incident has been detected, the POWER LED (red) flashes as a warning according to the conditions in which the protection incident occurred.

(1) ASO/DC PROTECTION : Flashes at intervals of 0.5 seconds (0.25 seconds lit, 0.25 seconds off)
(2) THERMAL (E/F) PROTECTION : Flashes at intervals of 2 seconds (1 second lit, 1 second off)
(3) CURRENT PROTECTION : Flashes at intervals of 4seconds(2 second lit,2 second off)

3.7. 232C standby clear mode

3.7.1. Operation specifications

232C standby clear mode:
This switches the 232C standby mode to the Normal standby mode.
Starting up:
Press the **"ENTER"** button while the following is displayed to switch to the Normal standby mode.

FLD		3	.	R	S	2	3	2	C		R	E	S	E	T	

3.8. Operation Info mode

3.8.1. Specifications

This mode displays the accumulated operating time, power on count, counts for each protection on the set.

3.8.2. About the display on the FL display

When the set has started in the Operation Info mode, press the **"ENTER"** button to display information in the following order.

(a) Accumulated operating time

Upper	O	p	e	r	a	t	i	o	n		T	i	m	e		
Lower		T	o	t	a	l	:								H	

↑ Time display

"ENTER"

(b) Power on count

Upper	P	o	w	e	r		O	n		T	i	m	e			
Lower		T	o	t	a	l	:									

↑Count display

"ENTER"

(c) DC /ASO Protection count

Upper	P	r	o	t	e	c	t	i	o	n		T	i	m	e	
Lower	D	C	:				/	A	S	O	:					

"ENTER"

(d) Thermal Protection count1

Upper	P	r	o	t	e	c	t	i	o	n		T	i	m	e	
Lower	T	H	M		A	:				/	B	:				

"ENTER"

(e) Thermal Protection count2

Upper	P	r	o	t	e	c	t	i	o	n		T	i	m	e	
Lower	T	H	M		C	:				/	D	:				

"ENTER"

(Returns to normal display)

4. DUAL BACKUP MEMORY

This product has a Dual Backup Memory function. The conventional Backup functions to memorize, in the EEPROM (**IC202**) in the circuit, a current setting of the moment the main power is turned off so that it can be restored when it is turned ON again. Meanwhile, the DUAL BACKUP MEMORY is capable of memorizing any arbitrary setting that is configured while the product is in operation so as to restore it at any time. When servicing units returned from end-users for repairs, use this function to back up the current setting (e.g. Tuner Preset). This will enable the units to be returned to the users after repairs, with the setting unchanged.

NOTE: If end-users use this function, the data will be overwritten.
The contents of the memory do not disappear even if you initialize this unit.
If you want to erase, please refer to **4.2. SERVICE PRECAUTIONS**.

4.1. HOW TO OPERATE

-Backup-

(1) Configure a setting you would like to save in the MEMORY and hold down the **"ZONE SELECT"** and **"DISPLAY"** buttons on the Front Panel at the same time for 3 seconds or more.
(2) The FL Display indicates **"MEMORY SAVING"** while the Recovery is being performed.

FLD	M	E	M	O	R	Y		S	A	V	I	N	G			

(3) The FL Display indicates **"COMPLETE"** when the Backup is completed.

FLD	C	O	M	P	L	E	T	E								

-Recovery-

(1) Hold down the **"BACK"** and **"ZONE SELECT"** buttons at the same time for 3 seconds or more.
(2) The FL Display indicates **"MEMORY LOAD"** while the Backup is being performed.

FLD	M	E	M	O	R	Y		L	O	A	D					

(3) After the FL Display indicates **"COMPLETE"**, the product goes into Standby mode. When the power is restored, the Recovery is completed.

FLD	C	O	M	P	L	E	T	E								

The FL Display indicates **"NO BACKUP"** if the DUAL BACKUP MEMORY has not been activated with no data to be recovered saved in the Memory.

FLD	N	O		B	A	C	K	U	P							

4.2. SERVICE PRECAUTIONS

When the Flash Rom (**IC202**) on the DIGITAL PWB is replaced make sure, in order to maintain consistency with the Backup Memory, to clear the DUAL BACKUP MEMORY in thefollowing way :

-How to clear the Backup Memory-

(1) Hold down the **"ZONE SELECT"** and **"ENTER"** buttons at the same time for 3 seconds or more.
(2) The FL Display indicates **"BACKUP CLEAR"** while the memory is being cleared.

FLD	B	A	C	K	U	P		C	L	E	A	R				

(3) After the FL Display indicates **"COMPLETE"**, the operation is completed.

FLD	C	O	M	P	L	E	T	E								

5. Protection Pass mode

5.1. Specifications

- Turn the power on with Protection disabled.
  Except for disabling the Protection detection, this operation is the same as the normal power on.

5.2. Operation

1. Press the "Power Operation (⏻)" button while pressing
   "M-DAX" and **"DYNAMIC EQ"** and **"DYNAMIC VOL"** buttons on the set to turn the power on.
2. The POWER ON sequence starts. The Protection detection is disabled.

FLD	Protection Pass

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

6. DM860A Reboot mode

6.1. Specifications

- When DM860A is hung up, DM860A is restarted.
  Even when Network standby is set (Setup Menu - Network - Network - Always ON), DM860A can be reset.

6.2. Operation

1. Turn on **"MAIN ZONE"** button, and select NETWORK for the input source.
2. Press and hold the **"M-DAX"** and **"DYNAMIC EQ"** buttons for 3 seconds and longer.
3. DM860A is restarted and returns to the normal display.

FLD	Network Restart

NOTE:
The same operation cannot be accepted for one minute after the last 860 Reboot.

JIG FOR SERVICING

When you repair the printing board, you can use the following JIG (Extension cable kit).
Please order it from MARANTZ Official Service. Distributor in your region if necessary.

NOTE: The incorrect connection with in the JIG (EXTENSION UNIT KIT) may cause damage.

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

• Connection of PCB HDMI JIG

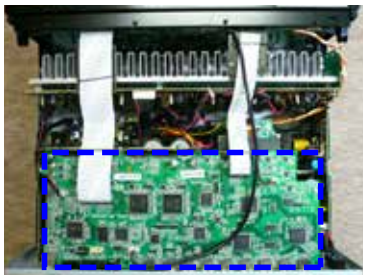
-Preparation-

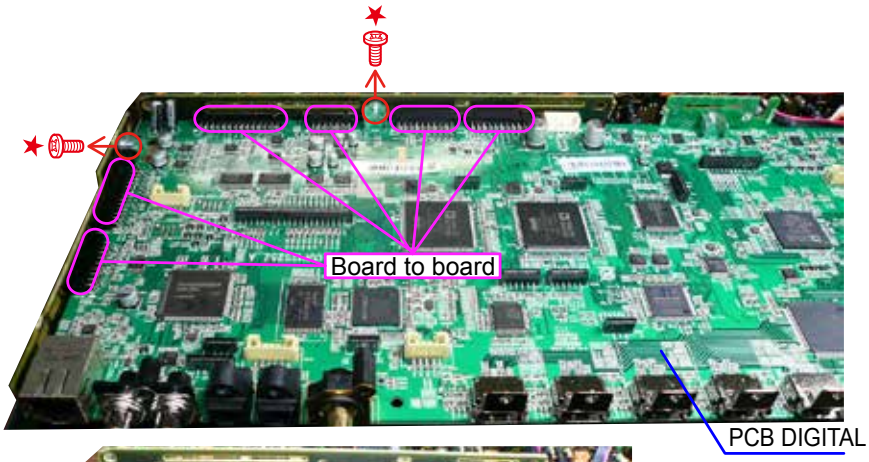
8U-110084S : EXTENSION UNIT KIT : 1 Set
Insulation sheet (Do not supply it) : 3 sheets
Ground lead (Do not supply it) : 3 pcs

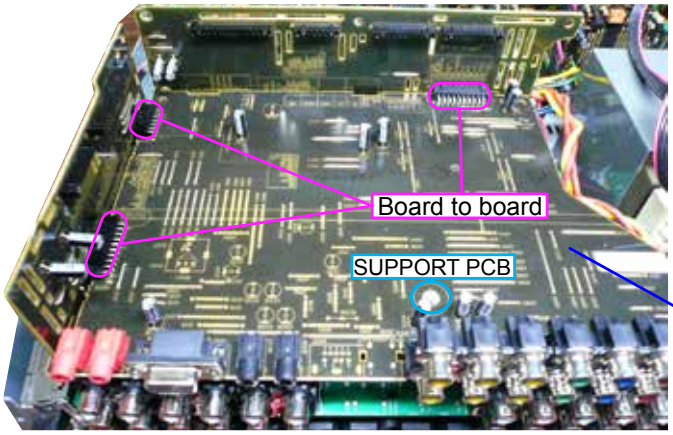
-Procedures-

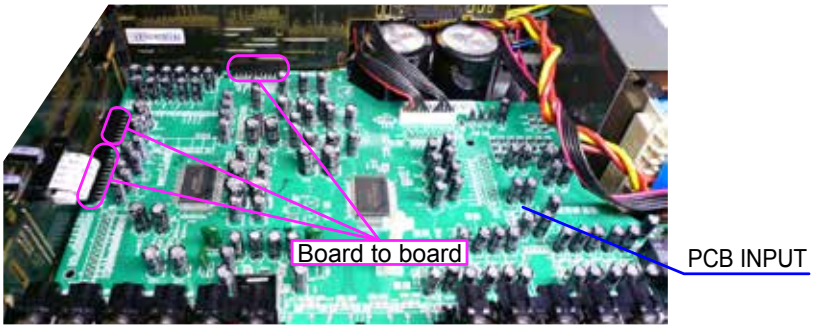
(1) Remove the screws.

(2) Disconnect the connector board.

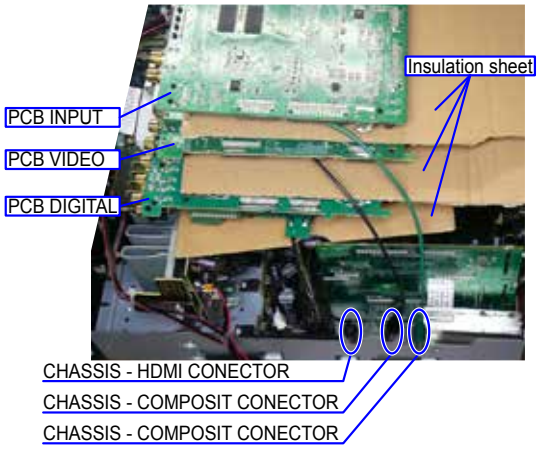




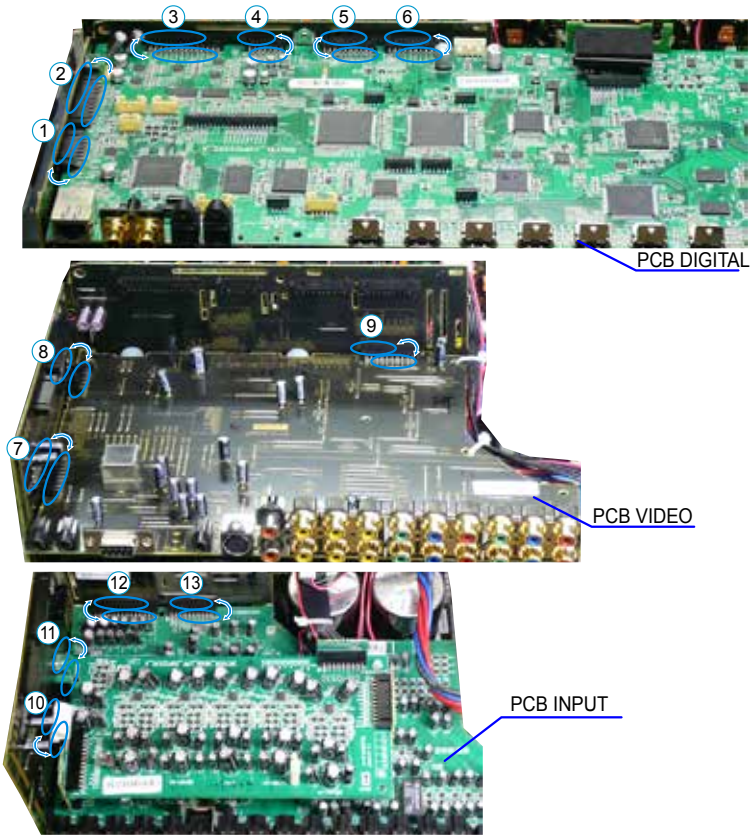




(3) Detach PCB HDMI from the chassis, and turn it over.
Please put an insulation sheet that is larger than PCB HDMI under PCB.
※ Connect the ground point of PCB to the chassis with a ground lead or the like.



(4) Connect the six extension jig cables.



Connection table of Board to Board

No.	Pin	Ref. No.	PCB		Ref. No.	PCB
①	17pin	CN27A	SIDE CNT	⟷	BN27A	DIGTAL
②	27pin	CN23A	SIDE CNT	⟷	BN23A	DIGTAL
③	27pin	CN24A	FRT CNT	⟷	BN24A	DIGTAL
④	13pin	CN26A	FRT CNT	⟷	BN26A	DIGTAL
⑤	19pin	CN25A	FRT CNT	⟷	BN25A	DIGTAL
⑥	19pin	CN21A	FRT CNT	⟷	BN21A	DIGTAL
⑦	19pin	CN27B	SIDE CNT	⟷	BN27B	VIDEO
⑧	13pin	CN28B	SIDE CNT	⟷	BN28B	VIDEO
⑨	19pin	CN21B	FRT CNT	⟷	BN21B	VIDEO
⑩	19pin	CN23B	SIDE CNT	⟷	BN23B	INPUT
⑪	15pin	CN64B	SIDE CNT	⟷	BN64B	INPUT
⑫	27pin	CN24B	FRT CNT	⟷	BN24B	INPUT
⑬	19pin	CN26B	FRT CNT	⟷	BN26B	INPUT

WHEN THE MICROPROCESSOR IS REPLACED WITH A NEW ONE

When the U-PRO (Microprocessor) or the Flash ROM is replaced, confirm the following.

PWB Name	Ref. No.	Description	After replaced	Remark
DIGITAL	IC201	R5F56108VNFP	B	SOFTWARE: Main
DIGITAL	IC231	R5F3650KNFB	B	SOFTWARE: Sub
DIGITAL	IC410	MX25L1606EM2I-12G	B	SOFTWARE: DSP1
DIGITAL	IC423	MX25L1606EM2I-12G	B	SOFTWARE: DSP2
DIGITAL	IC406	EPM240T100C5N	B	SOFTWARE: Audio PLD
DIGITAL	IC155	MX25L12845EMI-10G	B	SOFTWARE: GUI Serial Flash

After replacing

A : Mask ROM (With software). No need for write-in of software to the microprocessor.

B : Flash ROM (With software). Usually, no need for write-in of software. But, when the software was updated, you should write the new software on the microprocessor or flash ROM. Please check the software version.

C : Empty Flash ROM (Without software). You should write the software on the microprocessor or flash ROM. Refer to "Update procedure" or "writing procedure", when you write the software.

D : Flash ROM (With software). But you should write to the latest version of each region.

PROCEDURE FOR UPGRADING THE VERSION OF THE FIRMWARE

You can update the firmware by downloading the latest version from the Internet.

1. How to update by DFW

1.1. Preparations before starting the operation

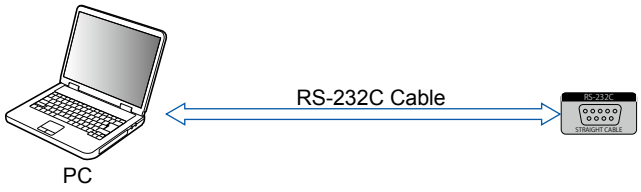
(1) Personal Computer (Installed **"DFW_0023_SR7008_(Rev.X.X.X).exe"**.

(2) RS-232C cable (9P (Male), Straight).

1.2. Connection of AV receiver

(1) Confirm the power on/off switch of the AV receiver is turning off.

(2) Connect the RS-232C cable from PC with the **"RS232C Terminal of AV receiver"**.



1.3. Turn on the AV receiver

Operate the following. Turn on the AV receiver.

(1) Connect the power cable to the AC outlet while simultaneously pushing the **"MOVIE"** and **"M-DAX"** button of the front panel.

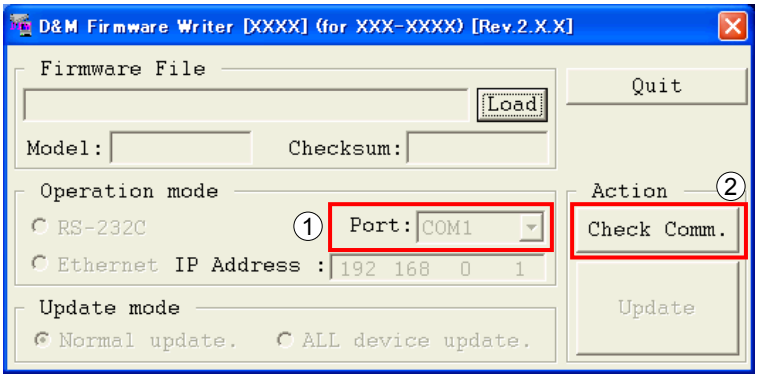
(2) Confirm the power indicator is red.

1.4. Run the DFW

Run the **"DFW_0023_SR7008_(Rev.X.X.X).exe"** on desktop of PC.

1.5. Communication check

(1) Select the serial port number of RS-232C in PC.
(2) Click the **"Check Comm."** button.



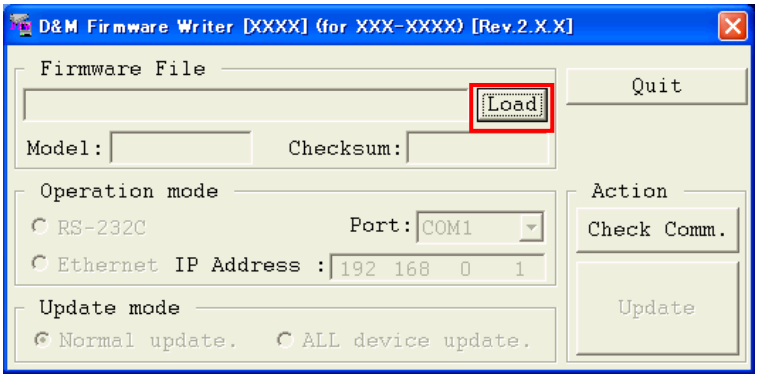
(3) When connection is good, then you can see the **"Communication check OK."** message.

(4) If connection is not good, then you can see the **"Communication check NG"** message.

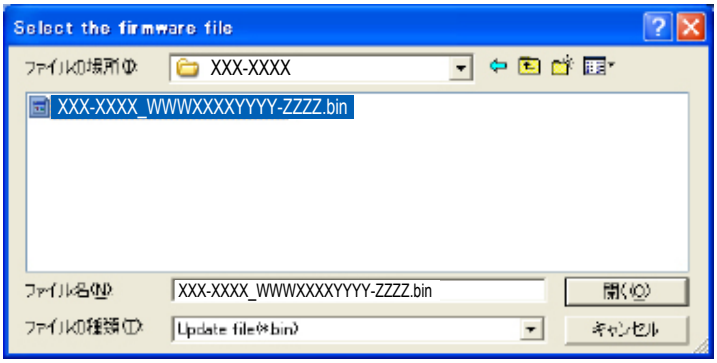
Please confirm the following
(a) Check the connection of the AV receiver and PC. (refer to **"1.2. Connection of the AV receiver"**)
(b) Check the operation mode of the AV receiver. (refer to **"1.3.Turn on the AV receiver"**)
(c) Check the selection of the RS-232C port number of PC.

1.6. Download the firmware

(1) Click the **"Load"** button.

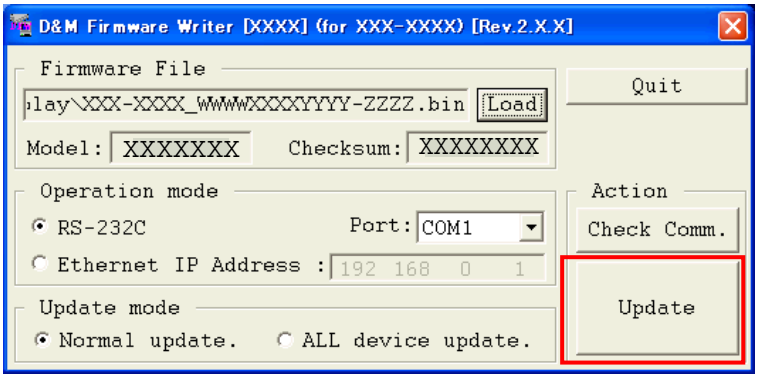


(2) Download the firmware from the specified download source to PC.

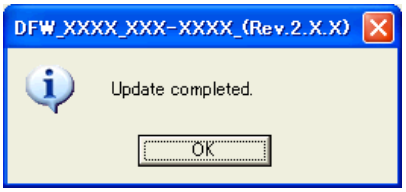


1.7. Complete the firmware updating

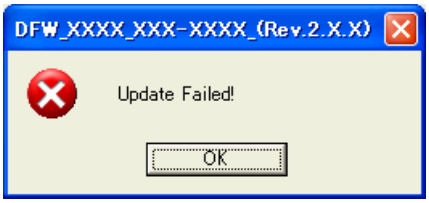
(1) Click the **"Update"** button.



(2) When writing of the firmware is completed, the power of AV receiver turns on automatically and you can see the **"Update completed"** message.



(3) If you can't complete the firmware update, please retry the firmware update from **"1.3. Turn on the AV receiver"**.



1.8. Notice:

Please keep the following notice for firmware update.

(a) Keep the PC environment
(b) Avoid the communication cable from the electrical noise source.
(e.g. telephone cable, AC line, a fluorescent light)
(c) Don't remove cable during update.
(d) Don't turn off the power during update.
(e) Don't run other PC application during update.
(f) Stop the resident program on PC (Virus checker and System check utility, etc.)
(g) Stop the screen saver on PC.
(h) Stop the power save ability on PC.
(i) In case of laptop PC, Use the AC adaptor.

Confirming the firmware's number after upgraded

After updating the firmware, check the version. Refer to "**1. µcom/DSP Version display mode**" (20 page).

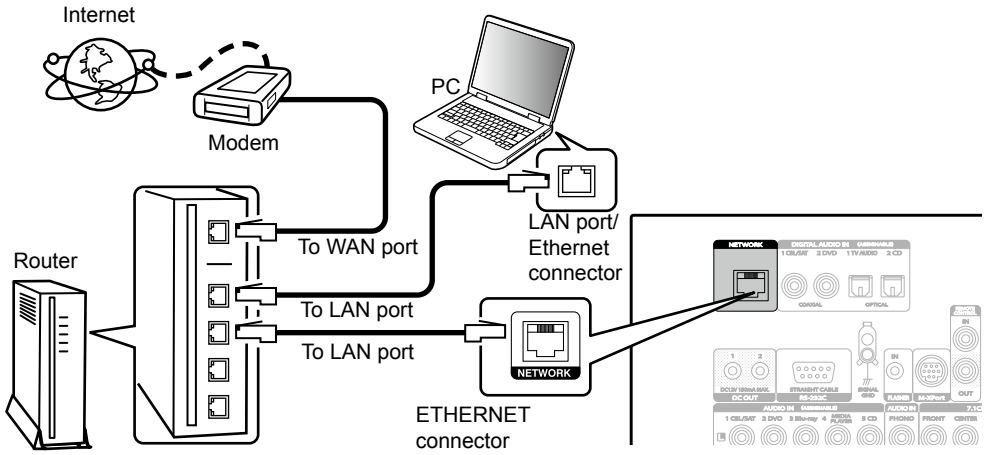
2. How to update by DPMS

You can update the firmware by downloading the latest version from the Internet.

2.1. Connecting to the Network

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

(2) Setting



2.2. Checking and updating the firmware

Check if the latest firmware exists. You can also check approximately time required to complete an update.

(1) Press the **"SETUP"** button on the remote control to display the GUI menu.
(2) Use the cursor buttons to select **"General"** → **"Firmware"** → **"Update"** → **"Check For Update"**.
(3) Press the **"ENTER"** button.
- The latest version of the firmware on the website is displayed.
- If the firmware on the website is latest, proceed to (4).
- If the latest firmware has been already installed, press the **"SETUP"** button to close the menu.

(4) Use the cursor buttons to select **"Start"**, then press the **"ENTER"** button.
- During update, the power indicator lights in red and the GUI screen disappears. And an approximately remaining time is indicated on the display.
- When updating is complete the power indicator lights in green and normal status is resumed.

(5) Press the **"MENU"** button to close the menu.

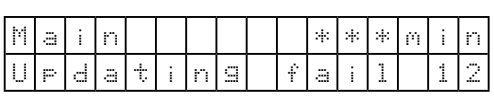
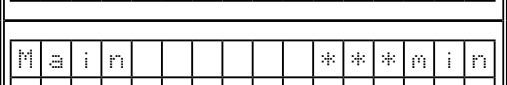
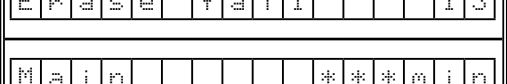
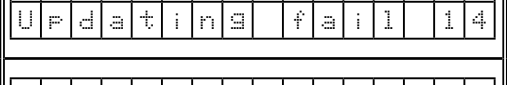
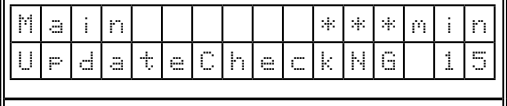
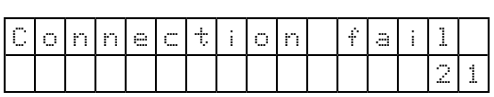
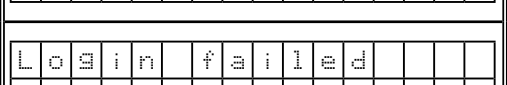
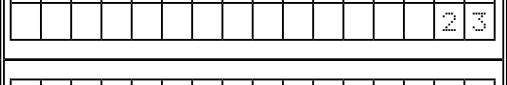
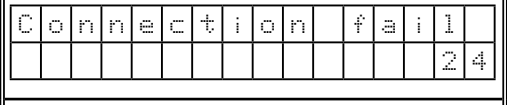
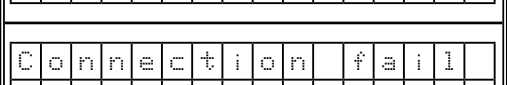
--- Cautions on Firmware Update ---

- In order to update the firmware, you must have the correct system requirements and settings for a broadband Internet connection.
- Do not turn off the power until updating is completed.
- Even with a broadband connection to the Internet, approximately 1 hour is required for the updating procedure to be completed.
  Once updating starts, normal operations on the this unit cannot be performed until updating is completed. Also, setting items of the GUI menu of this unit or setting items of the image adjustment may be initialized.
  Note down the settings before updating, and set them again after updating.

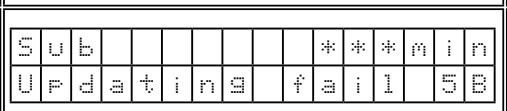
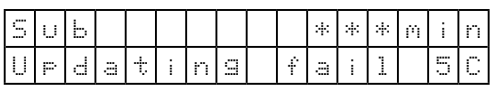
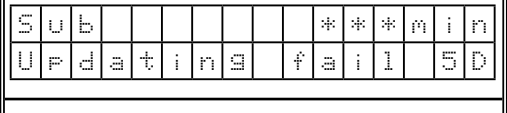
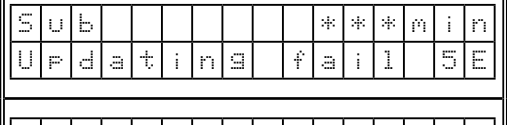
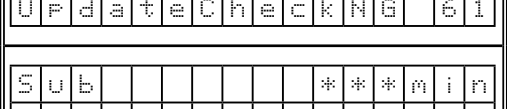
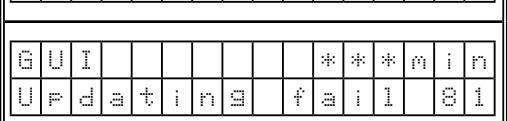
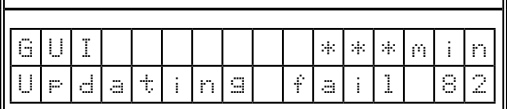
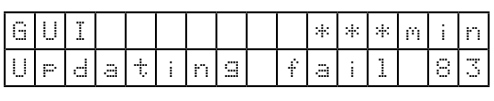
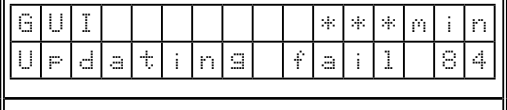
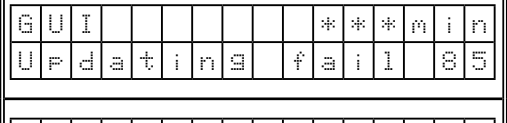
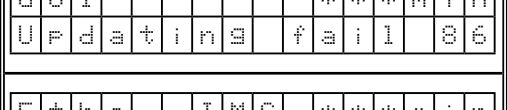
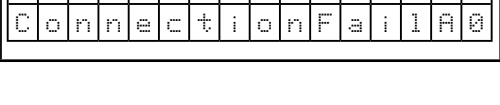
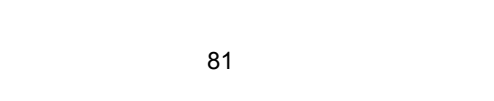
2.3. About the error code

See the table below for error codes, details of faults, and coping strategies when the firmware is updated through DPMS (Marantz Product Management Server).

Error Code	Details of Error code	Display	Coping strategies
01	Log-in to DPMS has failed.	Login failed 01	Reset and update again. Carry out the update in an environment that has little network load.
02	Line, etc., is busy when logging into DPMS.	Server is busy 02	Carry out the update in an environment that has little network load.
03	Connection to DPMS failed.	Connection fail 03	Check the network connection. Carry out the update in an environment that has little network load.
04	Firmware file data was requested but error message was received.	Connection fail 04	Check the network connection. Carry out the update in an environment that has little network load.
05	Firmware file data was requested but it timed out.	Connection fail 05	Check the network connection. Carry out the update in an environment that has little network load.
06	Firmware file data was requested but error message was received.	Connection fail 06	Check the network connection. Carry out the update in an environment that has little network load.
07	All firmware file data was requested but it timed out.	Connection fail 07	Check the network connection. Carry out the update in an environment that has little network load.
08	Firmware file data of Main CPU was requested but error message was received.	Connection fail 08	Check the network connection. Carry out the update in an environment that has little network load.
09	Firmware file data of Main CPU was requested but it timed out.	Connection fail 09	Check the network connection. Carry out the update in an environment that has little network load.
0A	Error (NG) message was received when firmware of Main CPU was downloaded.	Download fail 0A	Check the network connection. Carry out the update in an environment that has little network load.
0B	Error (line congestion) message was received when firmware of Main CPU was downloaded.	Download fail 0B	Check the network connection. Carry out the update in an environment that has little network load.
0C	Error (connection failure) message was received when firmware of Main CPU was downloaded.	Download fail 0C	Check the network connection. Carry out the update in an environment that has little network load.
0D	Received Package Version is wrong.	Connection fail 0D	Check the network connection. Carry out the update in an environment that has little network load.
0E	Connection to DPMS failed. (can not get NTP)	Connection fail 0E	Check the network connection. Carry out the update in an environment that has little network load.
10	Main CPU failed to receive firmware for rewriting sent from DM860A (when timed out).	Main ***min Updating fail 10	Turn off and on the power. Updating starts automatically.

Error Code	Details of Error code	Display	Coping strategies
11	Main CPU failed to receive firmware for rewriting sent from DM860A (when an error occurred)		Turn off and on the power. Updating starts automatically.
12	There was invalid data in the firmware for rewriting sent from DM860A to Main CPU (when a Check Sum error occurred).		Turn off and on the power. Updating starts automatically.
13	The deletion of block data failed before Main CPU was rewritten.		Turn off and on the power. Updating starts automatically.
14	The rewriting of block data failed when Main CPU was rewritten.		Turn off and on the power. Updating starts automatically.
15	The data verification was invalid after Main CPU was rewritten.		Turn off and on the power. Updating starts automatically.
20	Failure to acquire (Boot Loader Mode) IP address before rewriting DM860A (AutoIP).		Check the network connection. Carry out the update in an environment that has little network load.
21	Failure to acquire (Boot Loader Mode) IP address before rewriting DM860A (when timed out).		Check the network connection. Carry out the update in an environment that has little network load.
22	Log-in to DPMS failed.		Reset and update again. Carry out the update in an environment that has little network load.
23	Line, etc., is busy when logging into DPMS.		Carry out the update in an environment that has little network load.
24	Connection to DPMS failed.		Check the network connection. Carry out the update in an environment that has little network load.
25	Mode change failure of DM860A.		Reset and update again.
26	Data acquisition failed (timed out) when firmware of Main CPU was downloaded. Received Package Version is wrong.		Check the network connection. Carry out the update in an environment that has little network load.
27	Mode change failure of DM860A.		Reset and update again.
36	Log-in to DPMS ailed when firmware such as Sub CPU, DSP, FPGA, and PLD was rewritten.		Carry out the update in an environment that has little network load.
37	Line, etc., is busy when logging into DPMS when firmware such as Sub CPU, DSP, FPGA, and PLD was rewritten.		Carry out the update in an environment that has little network load.
38	Connection to DPMS failed when firmware such as Sub CPU, DSP, FPGA, and PLD was rewritten..		Check the network connection. Carry out the update in an environment that has little network load.

Error Code	Details of Error code	Display	Coping strategies
39	Connection to DPMS timed out when firmware such as Sub CPU, DSP, FPGA, and PLD was rewritten.	Connection fail 39	Check the network connection. Carry out the update in an environment that has little network load.
3A	Error (NG) message was received when firmware was downloaded or Main CPU was rewritten.	Download fail 3A	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
3B	Error (line congestion) message received when firmware was downloaded or Main CPU was rewritten.	Download fail 3B	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
3C	Error (connection failure) message received when firmware was downloaded or Main CPU was rewritten.	Download fail 3C	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
3D	Failure to acquire (Boot Loader Mode) IP address before rewriting DM860A (AutoIP).	Connection fail 3D	Check the network connection. Carry out the update in an environment that has little network load.
3E	Failure to acquire (Boot Loader Mode) IP address before rewriting DM860A (when timed out).	Connection fail 3E	Check the network connection. Carry out the update in an environment that has little network load
3F	Mode change failure of DM860A.	Connection fail 3F	Reset and update again.
50	Log-in to DPMS failed when firmware such as Sub CPU, DSP and PLD was rewritten.	Sub ***min Login failed 50	Carry out the update in an environment that has little network load.
51	Line, etc., is busy when log-in into DPMS when firmware such as Sub CPU, DSP and PLD was rewritten.	Sub ***min Server is busy 51	Carry out the update in an environment that has little network load.
52	Connection to DPMS failed when firmware such as Sub CPU, DSP and PLD was rewritten.	Sub ***min ConnectionFail52	Check the network connection. Carry out the update in an environment that has little network load.
54	Error message received regarding firmware data after the log-in to DPMS when firmware such as Sub CPU, DSP and PLD was rewritten.	Sub ***min Updating fail 54	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
55	When firmware such as Sub CPU, DSP and PLD, request was made for firmware data after the log-in to DPMS, but it timed out was rewritten.	Sub ***min Updating fail 55	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
56	Downloading firmware failed after the log-in to DPMS when firmware such as Sub CPU, DSP and PLD was rewritten.	Sub ***min Download fail 56	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
57	Firmware download error received (line congestion) after the log-in to DPMS when rewriting firmware such as Sub CPU, DSP and PLD was rewritten.	Sub ***min Download fail 57	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
58	Firmware download error was received (connection failure) after the log-in to DPMS when firmware such as Sub CPU, DSP and PLD was rewritten.	Sub ***min Download fail 58	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
5A	NACK was received when "C" command sent to Sub CPU, DSP PLD etc.	Sub ***min ConnectionFail5A	Turn off and on the power. Updating starts automatically.

Error Code	Details of Error code	Display	Coping strategies
5B	NACK was received when "L" command sent to Sub CPU, DSP, PLD etc.		Turn off and on the power. Updating starts automatically.
5C	Sub CPU, DSP, PLD etc. failed to receive firmware for rewriting sent from DM860A (when timed out).		Turn off and on the power. Updating starts automatically.
5D	Sub CPU, DSP, PLD etc. failed to receive firmware for rewriting sent from DM860A (when an error occurred).		Turn off and on the power. Updating starts automatically.
5E	Data in firmware such as Sub CPU, DSP and PLD for rewriting sent from DM860A was invalid (when a Check Sum error occurred).		Turn off and on the power. Updating starts automatically.
5F	Invalid data in firmware such as Sub CPU, DSP and PLD for rewriting sent from DM860A was invalid (invalid data was received).		Turn off and on the power. Updating starts automatically.
60	NACK was received when "P" command sent to Sub CPU, DSP, PLD etc.		Turn off and on the power. Updating starts automatically.
61	NACK was received when "I" command sent to Sub CPU, DSP, PLD etc.		Turn off and on the power. Updating starts automatically.
62	Start of Sub µ-com fail.		Turn off and on the power. Updating starts automatically.
80	Acquisition of serial flash data failed before serial flash was deleted.		Turn off and on the power. Updating starts automatically.
81	Deleting data failed before serial flash was rewritten.		Turn off and on the power. Updating starts automatically.
82	Receiving firmware for rewriting serial flash sent by DM860A failed (when timed out).		Turn off and on the power. Updating starts automatically.
83	Receiving firmwarefor rewriting serial flash sent by DM860A failed (when an error).		Turn off and on the power. Updating starts automatically.
84	Receiving firmwarefor rewriting serial flash sent by DM860A failed (when a Check Sum error).		Turn off and on the power. Updating starts automatically.
85	Receiving firmwarefor rewriting serial flash sent by DM860A failed (when invalid data was received).		Turn off and on the power. Updating starts automatically.
86	The data verification was invalid after serial flash was rewritten.		Turn off and on the power. Updating starts automatically.
A0	Acquisition of (Application Mode) IP address failed before rewriting DM860A was rewritten (AutoIP).		Check the network connection. Carry out the update in an environment that has little network load.

Error Code	Details of Error code	Display	Coping strategies
A1	Acquisition of (Application Mode) IP address failed before rewriting DM860A was rewritten (when timed out).	Ether IMG ***min ConnectionFailA1	Check the network connection. Carry out the update in an environment that has little network load.
A2	Invalid login via DPMS access was notified DM860A related firmware was rewritten (Application Mode).	Ether IMG ***min Login failed A2	Check the network connection. Carry out the update in an environment that has little network load.
A3	Line congestion via DPMS access was notified DM860A related firmware was rewritten (Application Mode).	Ether IMG ***min Server is busy A3	Check the network connection. Carry out the update in an environment that has little network load.
A4	Connection failure via DPMS access was notified DM860A related firmware was rewritten (Application Mode).	Ether IMG ***min ConnectionFailA4	Check the network connection. Carry out the update in an environment that has little network load.
A6	Firmware data error message was received after DPMS login when DM860A related firmware was rewritten (Application Mode).	Ether IMG ***min Updating fail A6	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
A7	When DM860A related firmware was rewritten (Application Mode), request was made for firmware data after DPMS login but it timed out.	Ether IMG ***min Updating fail A7	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
AE	Firmware download error message received (when download fails) when DM860A related firmware was rewritten (Boot Loader Mode).	Ether IMG ***min Download fail AE	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
AF	Firmware download error message received (line congestion) when DM860A related firmware was rewritten (Boot Loader Mode).	Ether IMG ***min Download fail AF	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
B0	Firmware download error message received (connection failure) when DM860A related firmware was rewritten (Boot Loader Mode).	Ether IMG ***min Download fail B0	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
B1	Firmware download error (timed out) when DM860A related firmware was rewritten.	Ether IMG ***min Download fail B1	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
B2	Error message received when DM860A related firmware was rewritten	Ether IMG ***min Updating fail B2	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
B3	Firmware writing error message. When DM860A related firmware was rewritten. (Timeout failure)	Ether IMG ***min Updating fail B3	Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.
B4	Mode change failure of DM860A. When DM860A related firmware was rewritten. (Boot Loader Mode)	Ether IMG ***min Updating fail B4	Reset and update again.
B5	Mode change failure of DM860A. When DM860A related firmware was rewritten. (Application Mode)	Ether IMG ***min Updating fail B5	Reset and update again

Device display during firmware update

Target of device when firmware updated.

Target of device	Display	Error code when an error occurs
Main	Main ***min Updating ***%	10~15 36~3F
Sub	Sub ***min Updating ***%	50~52 54~58 5A~62
Audio PLD	APLD ***min Updating ***%	50~52 54~58 5A~62
DSP1	DSP1 ***min Updating ***%	50~52 54~57 5A~64
DSP2	DSP2 ***min Updating ***%	50~52 54~57 5A~64
GUI Serial Flash	GUI ***min Updating ***%	50~52 54~58 5A ,62 80~86
DM860A Boot Loader	Ether SBL ***min Updating *****	A0~A4 A6~A7 AE~B5
DM860A Image	Ether IMG ***min Updating *****	A0~A4 A6~A7 AE~B5

Confirming the firmware's number after upgraded

After updating the firmware, check the version. Refer to **"1. µcom/DSP Version display mode"** (20 page).

3. How to update by USB Memory

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

3.1. Connecting to the USB Memory

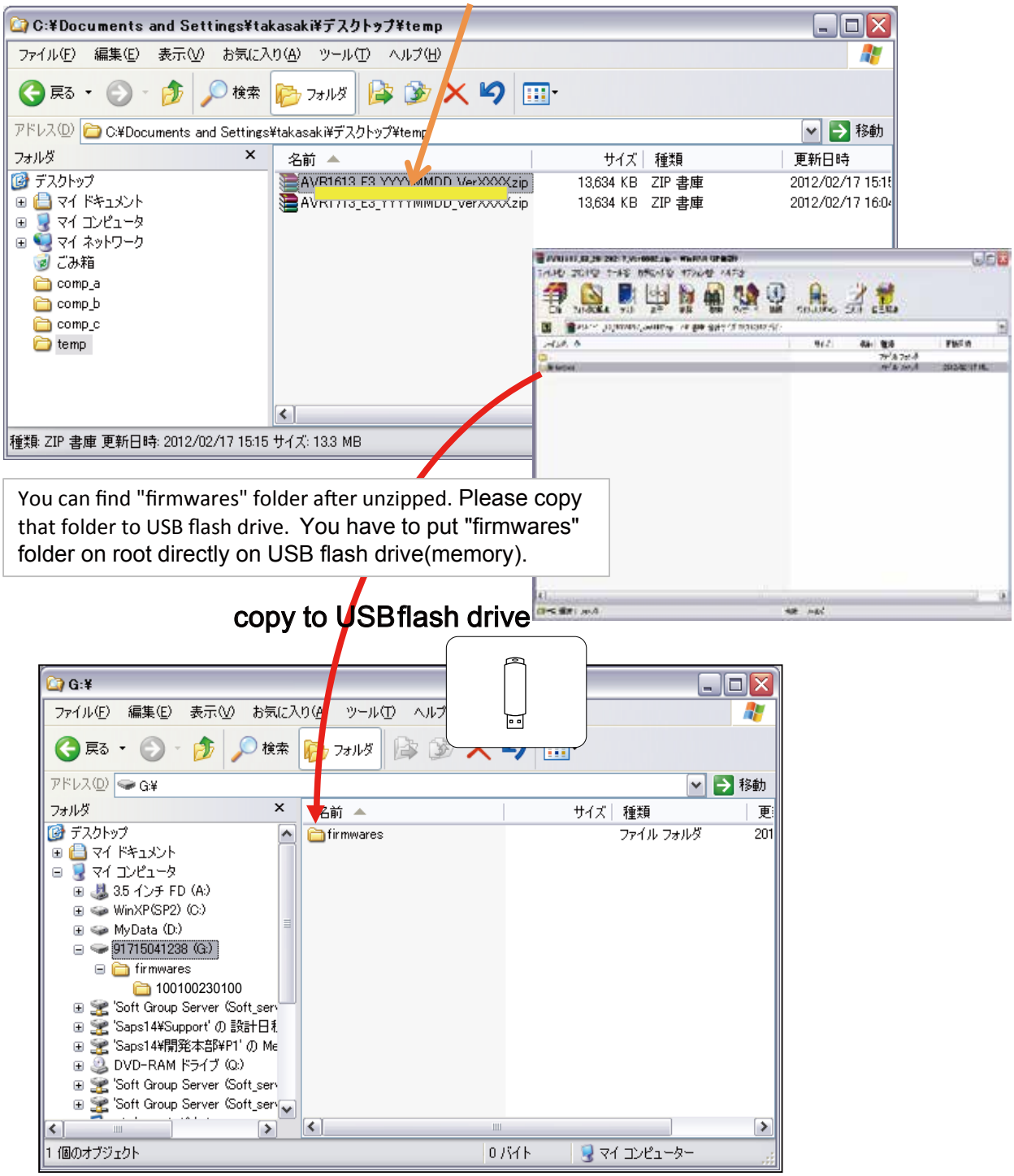
(1) Requirements

- The USB memory device format should be set to FAT16 or FAT32.
- USB memory devices will not work via a USB hub.
- It is not possible to use this unit by connecting the unit's USB port to a PC via a USB cable.
- Do not use an extension cable when connecting a USB memory device.

3.2. Unzip Download File

Pleases unzip the downloaded file on PC.

SR7008U	USB_SR7008_100100230100-0001.zip



USB location is below

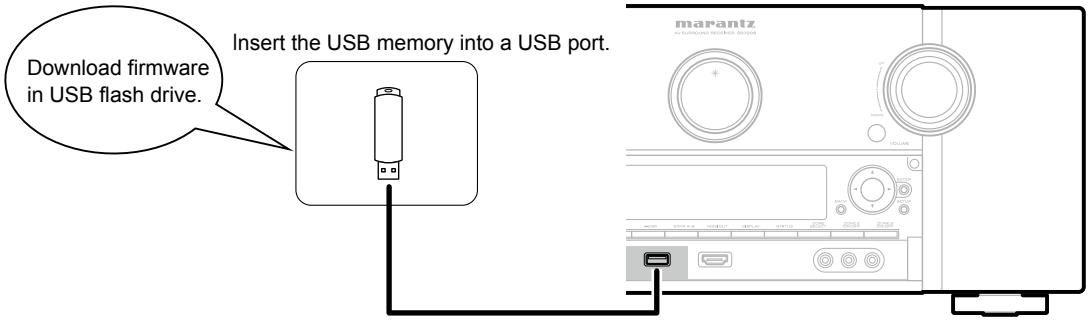
USB memory root

Model Name	Model Area	Product ID
SR7008	North America (U)	100100230100
	Europe (N)	100100230200
	China (K)	100100230500

+ firmwares
  + 100100230100
    + APLD.bin
    + DSP1.bin
    + DSP2.bin
    + enc_update.xml
    + GUI.bin
    + IMG.bcd
    + MAIN.bin
    + SBL.bcd
    + SUB.bin

3.3. Insert the USB memory into a USB port

NOTE: Please UNPLUG LAN cable from the unit during update.



3.4. Start update

Turn on the power of this unit in the **"STATUS"** + **"HDMI OUT"** button.

3.5. "USB Update Start" on FL Display

After arround half minutes, FL display shows the following message.

FL Display

Upper	*	F	I	R	M	W	A	R	E		U	P	D	A	T	E
Lower	U	S	B		U	p	d	a	t	e		S	t	a	r	t

3.6. Push "ENTER" key on RC or Main unit

Then start Firmware Update.

FL Display

Upper	P	l	e	a	s	e		w	a	i	t	.	.	.		
Lower	U	p	d	a	t	e	F	i	l	e	C	h	e	c	k	

3.7. Finish firmware update

FL display shows the following message.

FL Display

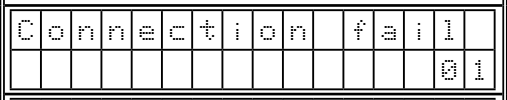
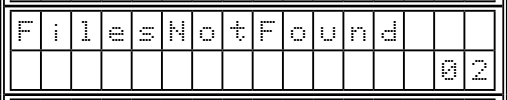
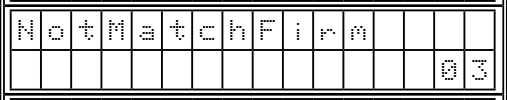
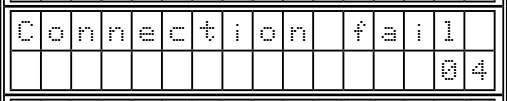
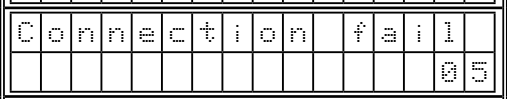
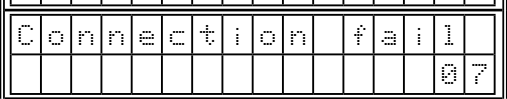
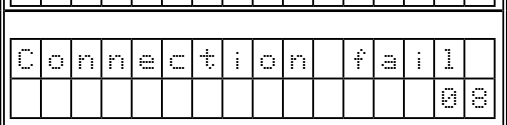
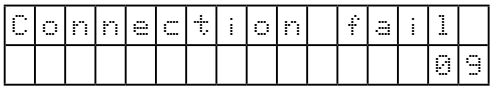
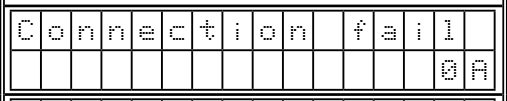
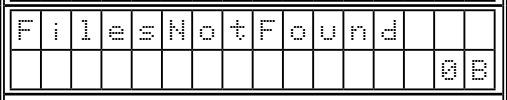
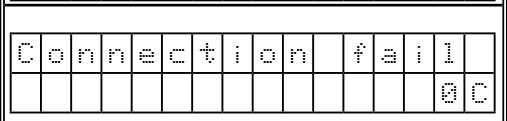
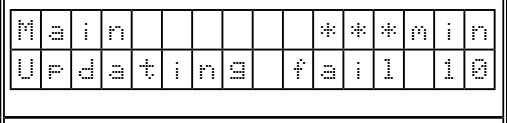
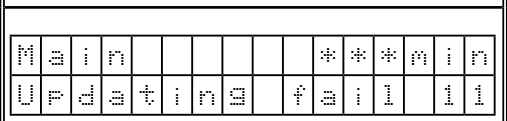
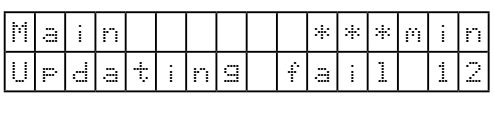
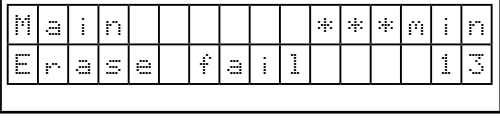
Upper	F	i	r	m		U	p	d	a	t	e					
Lower	U	p	d	a	t	i	n	g	C	o	m	p	l	e	t	e

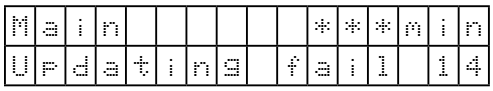
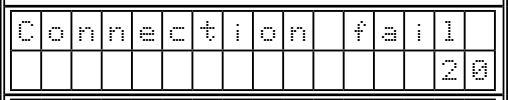
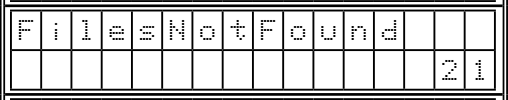
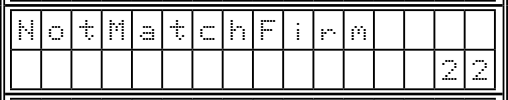
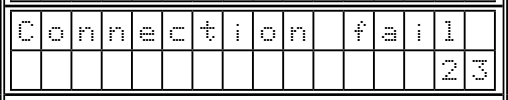
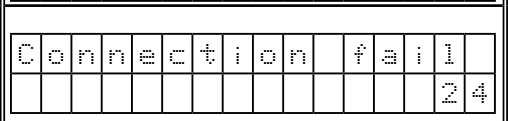
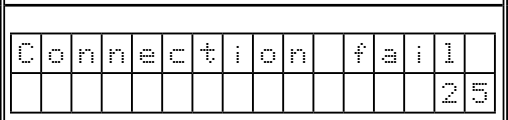
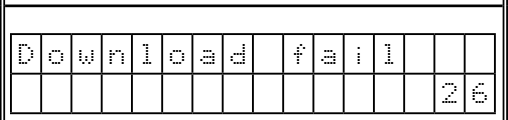
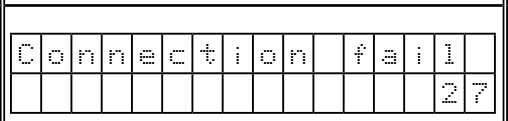
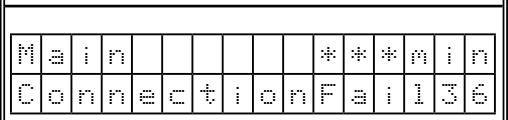
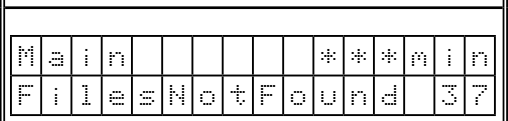
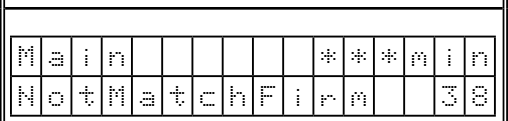
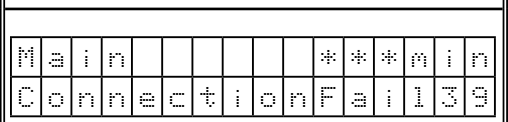
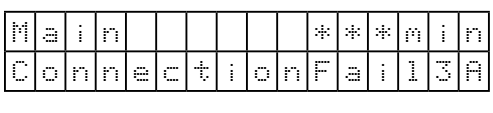
--- Cautions on Firmware Update ---

- Do not remove a USB memory until updating is completed.
- Do not turn off the power until updating is completed.
  Approximately 1 hour is required for the updating procedure to be completed.
  Once updating starts, normal operations on the this unit cannot be performed until updating is completed. Also, setting items of the GUI menu of this unit or setting items of the image adjustment may be initialized.
  Note down the settings before updating, and set them again after updating.

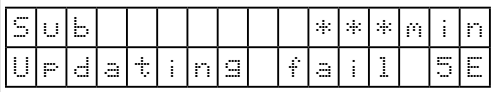
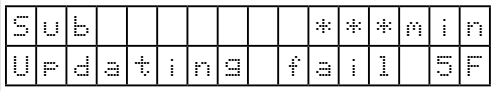
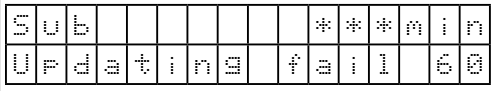
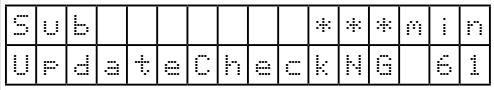
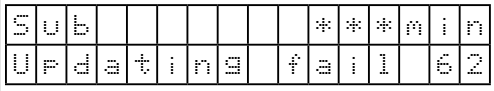
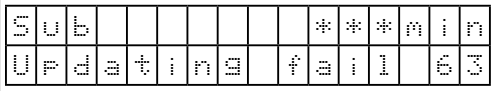
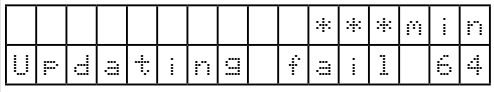
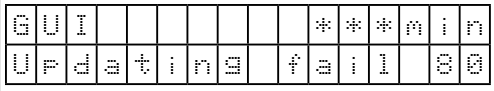
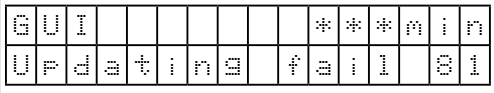
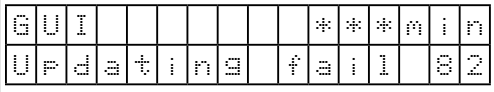
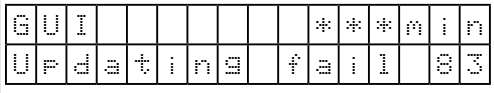
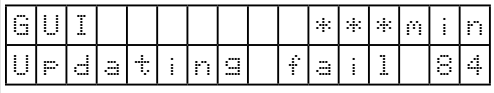
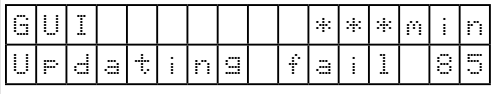
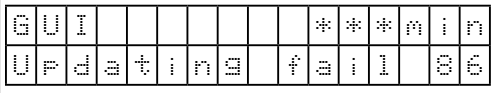
3.8. About the error code

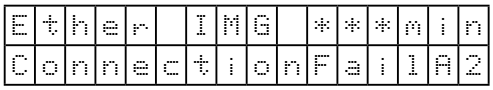
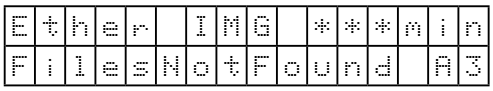
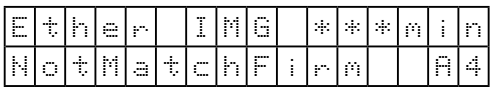
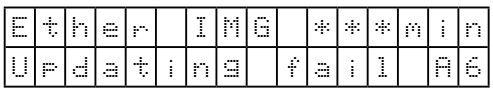
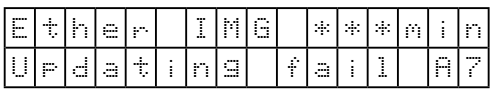
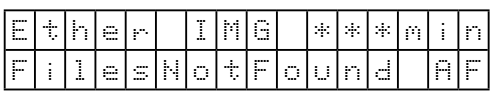
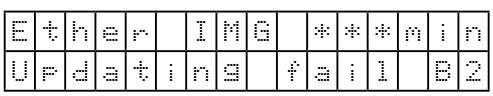
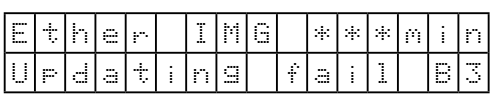
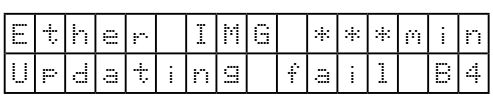
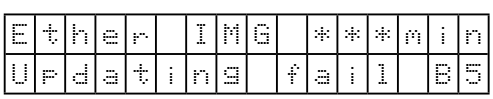
See the table below for error codes and details of faults when the firmware is updated through USB memory.

Error Code	Details of Error code	Display	Coping strategies
01	Unable to detect USB.		Disconnect and connect the USB memory.
02	No FirmwareFile in USB.		Make sure that the FirmwareFile is in the USB memory.
03	FirmwareFile in USB for unsupported Model name/area		Check the supported Model name/ area for the FirmwareFile.
04	Failed to obtain entire Firmware information.		Start the USB Update again.
05	TimeOut while obtaining entire Firmware information		Start the USB Update again.
06	Failed to obtain individual Firmware information.		Start the USB Update again.
07	TimeOut while obtaining individual Firmware information		Start the USB Update again.
08	Error notification received while requesting FirmwareInfo.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
09	TimeOut while obtaining Firmware information		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
0A	Unable to detect USB for FirmwareDownload.		Disconnect and connect the USB memory.
0B	No FirmwareFile for FirmwareDownload.		Disconnect and connect the USB memory.
0C	Received value with invalid PackageVersion.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
10	No UpdatePacket received from DM860A (TimeOut).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
11	Abnormal data in UpdatePacket received from DM860A (FormatError).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
12	Abnormal data in UpdatePacket received from DM860A (CheckSumError).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
13	BlockErase failed before rewriting Main.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
14	BlockWrite failed while rewriting Main.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
15	Error in Verify after rewriting Main (CheckSumError).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
20	Unable to detect USB after SBLMode.		Disconnect and connect the USB memory.
21	No FirmwareFile in USB after SBLMode.		Disconnect and connect the USB memory.
22	FirmwareFile in USB after SBLMode for unsupported Model name/area		Check the supported Model name/ area for the FirmwareFile.
23	Failed to obtain entire Firmware information after SBLMode.		Disconnect and connect the USB memory.
24	TimeOut while obtaining entire Firmware information after SBLMode		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
25	Failed to transit to SBLMode.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
26	TimeOut in Download (writing to SDRAM) for FirmwareDownload		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
27	Failed to write to EEPROM after SBLMode.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
36	Unable to detect USB.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the POWER button for five seconds.
37	No FirmwareFile in USB.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
38	FirmwareFile in USB for unsupported Model name/area		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
39	TimeOut in USBCheck		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
3A	Unable to detect USB for FirmwareDownload.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
3B	No FirmwareFile for FirmwareDownload.	Main ***min FilesNotFound 3B	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
3F	Failed to transit to SBLMode.	Main ***min ConnectionFail3F	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
50	Unable to detect USB.	Sub ***min ConnectionFail50	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
51	No FirmwareFile in USB.	Sub ***min ConnectionFail51	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
52	FirmwareFile in USB for unsupported Model name/area	Sub ***min NotMatchFirm 52	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
54	Error notification received while requesting FirmwareInfo.	Sub ***min Updating fail 54	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
55	TimeOut while obtaining Firmware	Sub ***min Updating fail 55	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
56	Unable to detect USB for FirmwareDownload.	Sub ***min ConnectionFail56	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
57	No FirmwareFile for FirmwareDownload.	Sub ***min FilesNotFound 57	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
5A	Invalid DeviceID in response or no response from Sub for C command.	Sub ***min ConnectionFail5A	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
5B	NACK received in response or no response from Sub for L command.	Sub ***min Updating fail 5B	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
5C	No UpdatePacket received from DM860A (TimeOut).	Sub ***min Updating fail 5C	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
5D	Abnormal data in UpdatePacket received from DM860A (FormatError).	Sub ***min Updating fail 5D	This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
5E	Abnormal data in UpdatePacket received from DM860A (CheckSumError).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
5F	Abnormal data in UpdatePacket received from DM860A (DataLength/DataNo).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
60	NACK received in response or no response from Sub for P command.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
61	Mismatched CheckSum in response or no response from Sub for I command.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
62	Sub μ-com failed to start in the POWER ON sequence during Update.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
63	Failed to transit to ApplicationMode.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
64	Failed to transit to BootLoaderMode.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
80	WriteEnableLatchBit not set in Read after issuing WREN command.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
81	BlockErase failed in Read after issuing BE command.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
82	No UpdatePacket received from DM860A (TimeOut).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
83	Abnormal data in UpdatePacket received from DM860A (FormatError).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
84	Abnormal data in UpdatePacket received from DM860A (CheckSumError).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
85	Abnormal data in UpdatePacket received from DM860A (DataLength/DataNo).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
86	Mismatched CheckSum in CheckSum comparison after rewriting.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
A2	Unable to detect USB.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
A3	No FirmwareFile in USB.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
A4	FirmwareFile in USB for unsupported Model name/area		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
A6	Error notification received while requesting FirmwareInfo.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
A7	TimeOut while obtaining Firmware		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
AE	Unable to detect USB for FirmwareDownload.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
AF	No FirmwareFile for FirmwareDownload.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
B1	TimeOut in Download (writing to SDRAM) for FirmwareDownload		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
B2	Error notification received after rewriting DM860A Firm.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
B3	Error in FirmwareUpdate (TimeOut).		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
B4	Failed to transit to BootLoaderMode.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.
B5	Failed to transit to ApplicationMode.		This unit automatically retries several times. Wait until the FL display stops. If the FL display stops at the Error display, press and hold the "Power operation (⏻)" button for five seconds.

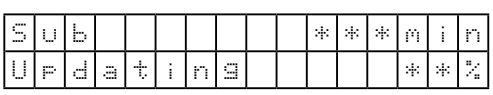
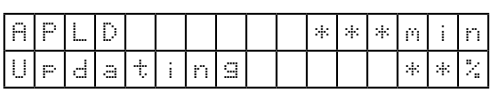
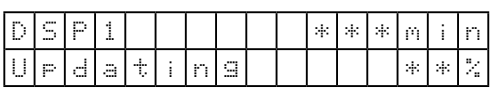
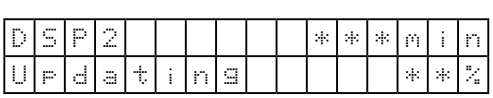
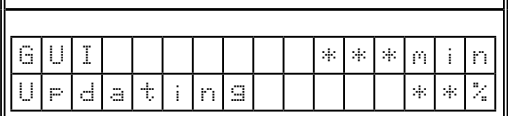
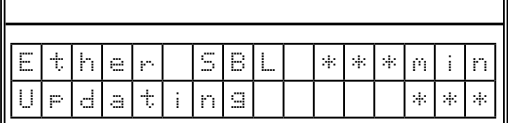
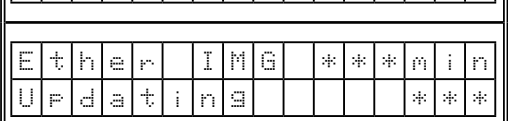
--- Cautions on Firmware Update ---

When an error code as shown above appears in the DISPLAY, check the following:

- Check whether the Firmware downloaded to the USB memory is correct (whether the MODEL name and area of the downloaded Firmware match those for the product, and whether the USB Memory contains data other than the latest Firmware).
- Update after resetting the product.
- Use a different USB memory.

3.9. Device display during firmware update

Display of target device during firmware update.

Target of device	Display	**Error code when an error occurs**
Main		10~15 36~3F
Sub		50~52 54~58 5A~62
Audio PLD		50~52 54~58 5A~62
DSP1		50~52 54~58 5A~62
DSP2		50~52 54~58 5A~62
GUI Serial Flash		50~52 54~58 5A ,62 80~86
DM860A Boot Loader		A0~A4 A6~A7 AE~B5
DM860A Image		A0~A4 A6~A7 AE~B5

Confirming the firmware's number after upgraded

After updating the firmware, check the version. Refer to **"1. µcom/DSP Version display mode"** (20 page).

ADJUSTMENT

Audio Section

Adjusting Idling Current

Required measurement equipment: DC Voltmeter

1. Preparation

(1) Avoid direct blow from an air conditioner or an electric fan, and adjust the unit at normal room temperature 15 °C ~ 30 °C (59 °F ~ 86 °F).

(2) Presetting

- POWER (Power source switch) STANDBY
- SPEAKER (Speaker terminal) No load

(Do not connect speaker, dummy resistor, etc.)

2. Adjustment

(1) Remove top cover and set VR714,VR724,VR734,VR744,VR754,VR764,VR774 on 7CH AMP UNIT and set VR784,VR794 on 2ch AMP UNIT at fully counterclockwise (ᑎmin) position.

(2) Connect DC Voltmeter to test points (FRONT-Lch: CN715, FRONT-Rch: CN725, CENTER ch: CN735, SURROUND-Lch: CN745, SURROUND-Rch: CN755, SURROUND-BACK Lch: CN765, SURROUND-BACK Rch: CN775, FRONT H/W-Lch:CN785,FRONT H/W-Rch:CN795.

(3) Connect power cord to AC Line, and turn power switch **"ON"**.

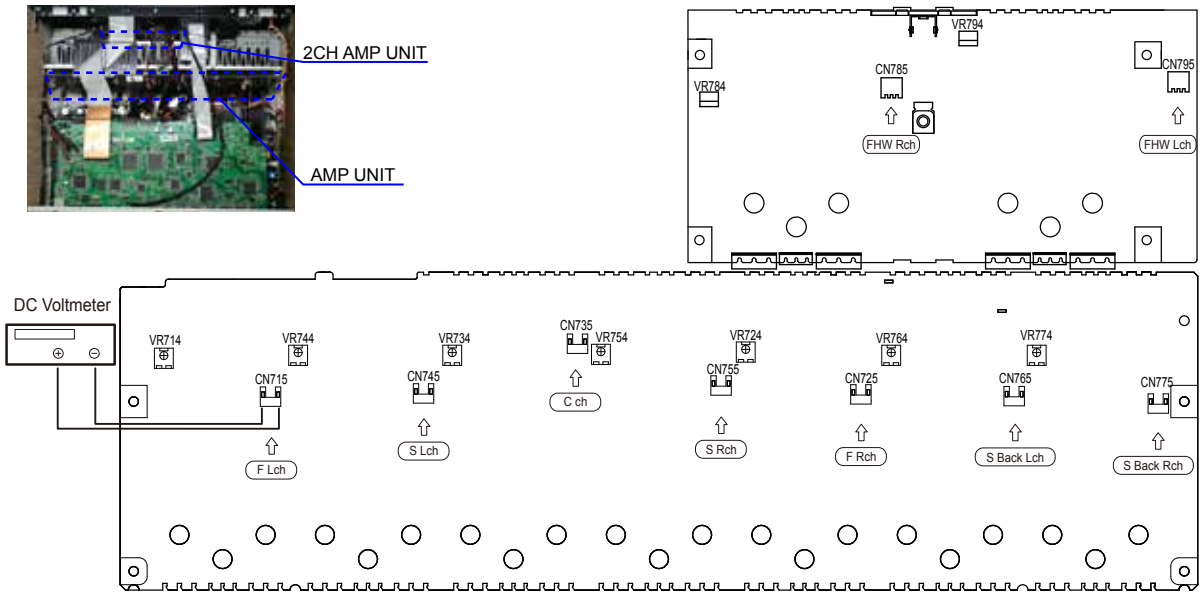
(4) Presetting.

MASTER VOLUME : "---" counterclockwise (ᑎ min.)
SPEAKER (Speaker terminal) : No load
(Do not connect speaker, dummy resistor, etc.)
MODE : MCH STEREO
FUNCTION : DVD

(5) Within 2 minutes after the power on, turn VR714 clockwise (ᑌ) to adjust the TEST POINT voltage to 6.5mV ± 0.5mV DC.

(6) After 10 minutes from the preset above, turn VR714 to set the voltage to 8mV ± 0.5mV DC.

(7) Adjust the Variable Resistors of other channels in the same way.



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 height L/R	Front wide L/R	Subwoofer
DIRECT/PURE DIRECT (2-channel)	○						◎∗4
DIRECT/PURE DIRECT (Multi-channel)	○	◎	◎	◎∗1	◎∗1	◎∗1	◎
DSD DIRECT (2-channel)	○						◎∗4
DSD DIRECT (Multi-channel)	○	◎	◎				◎
STEREO	○						◎
MULTI CH IN	○	◎	◎	◎∗1	◎∗2		◎
DOLBY PRO LOGIC IIz	○	◎	◎	◎	◎		◎
DOLBY PRO LOGIC IIx	○	◎	◎	◎			◎
DOLBY PRO LOGIC II	○	◎	◎				◎
DOLBY PRO LOGIC II A-DSX	○	◎	◎		◎∗3	◎∗3	◎
DOLBY PRO LOGIC IIx A-DSX	○	◎	◎	◎	◎∗3	◎∗3	◎
DTS NEO:X	○	◎	◎	◎	◎	◎	◎
Audyssey DSX®	○	◎	◎	◎	◎∗3	◎∗3	◎
DOLBY DIGITAL	○	◎	◎	◎	◎∗2		◎
DOLBY DIGITAL Plus	○	◎	◎	◎∗1	◎∗1	◎∗1	◎
DOLBY TrueHD	○	◎	◎	◎∗1	◎∗1	◎∗1	◎
DTS SURROUND	○	◎	◎	◎	◎∗2		◎
DTS 96/24	○	◎	◎	◎	◎∗2		◎
DTS-HD	○	◎	◎	◎∗1	◎∗1	◎∗1	◎
DTS Express	○	◎	◎	◎	◎∗2		◎
MULTI CH STEREO	○	◎	◎	◎	◎	◎	◎
VIRTUAL	○						◎

∗1 A signal for each channel contained in an input signal is output as audio.
∗2 Audio is output when the set sound mode name contains “+PLIIz”.
∗3 Audio is output from the speakers specified in the “Audyssey DSX®” settings.
∗4 Audio is output when “Subwoofer Mode” in the menu is set to “LFE+Main”.

SOUND MODES AND SURROUND PARAMETERS

Sound mode	Surround Parameter								Surround Parameter				Tone ∗8	Audyssey					M-DAX ∗11
									PRO LOGIC II/IIx Music mode only			NEO:X mode only							
	Dialog Level	Subwoofer Level	Home Theater EQ	Loudness Management ∗1	Dynamic Compression ∗2	Low Frequency Effects ∗3	Height Gain ∗4	Speaker Select	Panorama	Dimension	Center Width	Center Gain		MultEQ® XT32 ∗9	Dynamic EQ ∗10	Dynamic Volume ∗10	Audyssey LFC™	Audyssey DSX®	
DIRECT/PURE DIRECT (2-channel)∗5		○∗6		○	○														
DIRECT/PURE DIRECT (Multi-channel)∗5	○	○		○	○	○													
DSD DIRECT (2-channel)∗5		○∗6																	
DSD DIRECT (Multi-channel)∗5	○	○				○													
STEREO		○		○	○	○							○	○	○	○	○		○
MULTI CH IN	○	○	○			○	○						○	○	○	○	○	○	
DOLBY PRO LOGIC IIz	○	○	○	○	○		○						○	○	○	○	○		○
DOLBY PRO LOGIC IIx	○	○	○	○	○				○	○	○		○	○	○	○	○		○
DOLBY PRO LOGIC II	○	○	○	○	○				○	○	○		○	○	○	○	○	○	○
DOLBY PRO LOGIC II A-DSX	○	○	○	○	○				○	○	○		○	○	○	○	○	○	○
DOLBY PRO LOGIC IIx A-DSX	○	○	○	○	○				○	○	○		○	○	○	○	○	○	○
DTS NEO:X	○	○	○	○	○			○				○	○	○	○	○	○		○
Audyssey DSX®	○	○	○	○	○	○							○	○	○	○	○	○	○
DOLBY DIGITAL	○	○	○		○	○	○	○∗7					○	○	○	○	○	○	
DOLBY DIGITAL Plus	○	○	○		○	○	○	○∗7					○	○	○	○	○	○	
DOLBY TrueHD	○	○	○	○	○	○	○	○∗7					○	○	○	○	○	○	
DTS SURROUND	○	○	○		○	○	○	○∗7					○	○	○	○	○	○	
DTS 96/24	○	○	○			○	○	○∗7					○	○	○	○	○	○	
DTS-HD	○	○	○			○	○	○∗7					○	○	○	○	○	○	
DTS Express	○	○	○			○	○	○∗7					○	○	○	○	○	○	
MULTI CH STEREO	○	○	○	○	○	○		○					○	○	○	○	○		○
VIRTUAL	○	○		○	○	○							○	○	○	○	○		○

∗1 This item can be selected when a Dolby TrueHD signal is played.
∗2 This item can be selected when a Dolby Digital or DTS signal is played.
∗3 This item can be selected when a Dolby Digital or DTS signal or DVD-Audio is played.
∗4 This setting is available when the set sound mode name contains “+PLIIz”.
∗5 During playback in PURE DIRECT mode, the surround parameters are the same as in DIRECT mode.
∗6 This setting is available when “Subwoofer Mode” in the menu is set to “LFE+Main”.
∗7 This setting is available when the set sound mode name contains “+Neo:X”.
∗8 This item cannot be set when “Dynamic EQ” is set to “On”.
∗9 This item cannot be set when Audyssey® Setup (Speaker Calibration) has not been performed.
∗10 This item cannot be set when “MultEQ® XT32” is set to “Off” or “Graphic EQ”.
∗11 This item can be set when the input signal is analog, PCM 48 kHz or 44.1 kHz.

TYPES OF INPUT SIGNALS, AND CORRESPONDING SOUND MODES

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

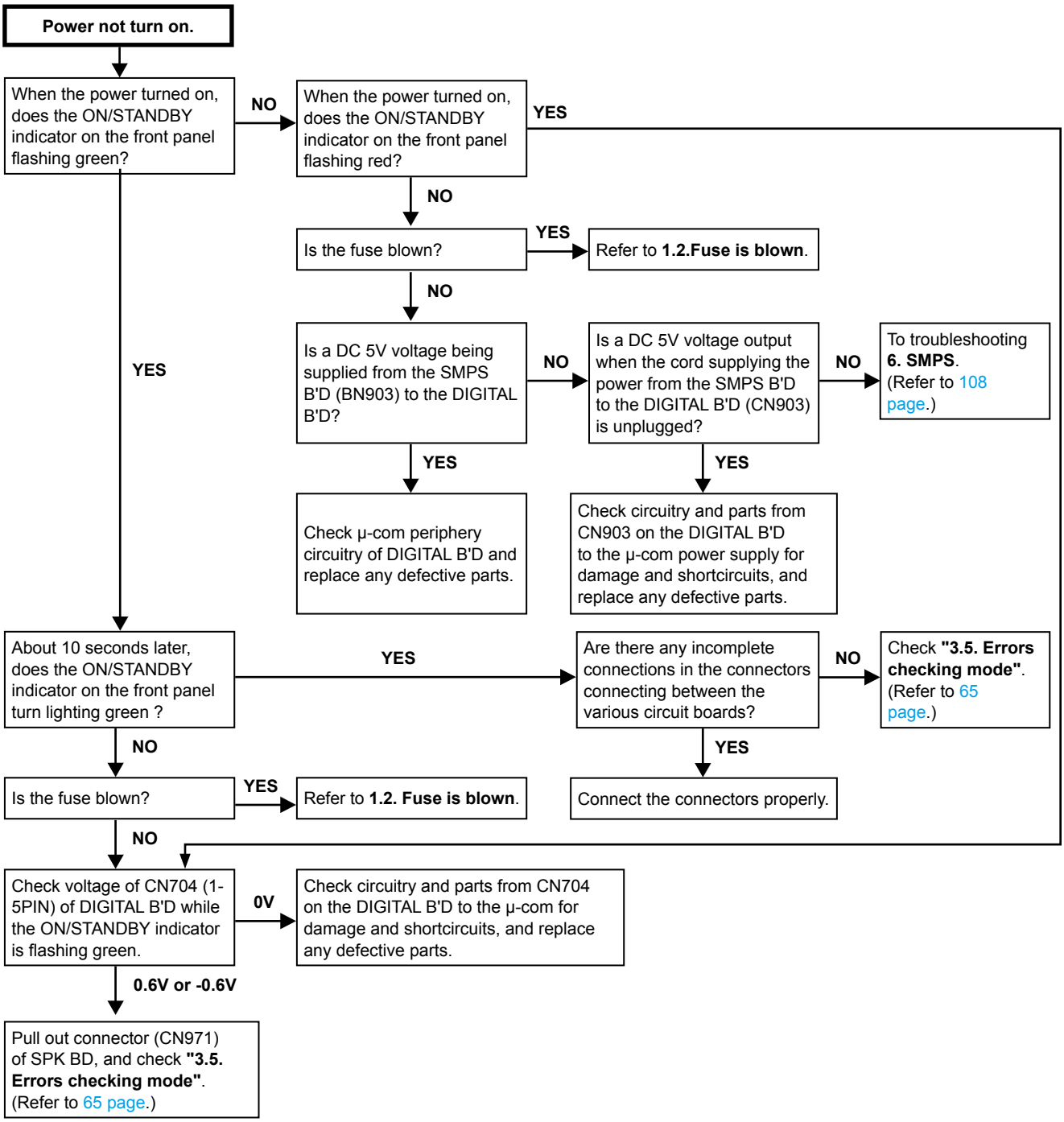
Sound mode	NOTE	2-channel signal			Multi-channel signal									
		Analog /PCM	Dolby Digital (+/HD) / DTS (-HD)	DSD (Super Audio CD)	PCM Multi	DTS-HD	DTS Express	DTS ES DSCRT 6.1	DTS ES MTRIX 6.1	DTS	DOLBY TrueHD	DOLBY DIGITAL Plus	DOLBY DIGITAL EX	DOLBY DIGITAL	DSD (Super Audio CD)
DTS SURROUND															
DTS-HD MSTR						●∗7									
DTS-HD HI RES						●∗8									
DTS ES DSCRT6.1	∗1							●							
DTS ES MTRX6.1	∗1								●						
DTS SURROUND								○	○	●					
DTS 96/24										●∗9					
DTS (–HD) + PLⅡx	∗1∗2					○	○			○					
DTS (–HD) + PLⅡz	∗3					○	○	○	○	○					
DTS Express							●								
DTS (–HD) + NEO:X	∗4					○	○	○	○	○					
DTS NEO:X	∗5	○	○												
DOLBY SURROUND															
DOLBY TrueHD											●				
DOLBY DIGITAL+												●			
DOLBY DIGITAL EX	∗1												○	○	
DOLBY (D+) (HD) +EX	∗1										○	○			
DOLBY DIGITAL													●	●	
DOLBY (D) (D+) (HD) + PLⅡx	∗1∗2										○	○	○	○	
DOLBY (D) (D+) (HD) + PLⅡz	∗3										○	○	○	○	
DOLBY (D) (D+) (HD) + NEO:X	∗4										○	○	○	○	
DOLBY PRO LOGIC Ⅱ/Ⅱx	∗6	○	○	○											
DOLBY PRO LOGIC Ⅱz	∗3	○	○	○											
MULTI CH IN															
MULTI CH IN					●										●
MULTI CH IN + DOLBY EX	∗1				○										○
MULTI CH IN + PLⅡx	∗1∗2				○										○
MULTI CH IN + PLⅡz	∗3				○										○
MULTI CH IN + NEO:X	∗4				○										
MULTI CH IN 7.1	∗1				●∗10										
Audyssey															
Audyssey DSX®					○	○	○	○	○	○	○	○	○	○	○
DOLBY PLⅡ/Ⅱx A-DSX	∗6	○	○	○											
DIRECT															
DIRECT		○∗11	○	○	○	○	○	○	○	○	○	○	○	○	○
PURE DIRECT															
PURE DIRECT		○	○	○	○	○	○	○	○	○	○	○	○	○	○
DSP SIMULATION															
MULTI CH STEREO		○	○	○	○	○	○	○	○	○	○	○	○	○	○
VIRTUAL		○	○	○	○	○	○	○	○	○	○	○	○	○	○
STEREO															
STEREO		●	○	○	○	○	○	○	○	○	○	○	○	○	○

∗1 This item can be selected when surround back speakers are used.
∗2 The Cinema mode or Music mode can be selected. When using a single surround back speaker, the Music mode is used.
∗3 This item can be selected when front height speakers are used.
∗4 The Cinema mode, Music mode or Game mode can be selected. This item can be selected when using any of the Surround back, Front height or Front wide speaker.
∗5 The Cinema mode, Music mode or Game mode can be selected.
∗6 The Movie mode, Music mode or Game mode can be selected.
∗7 This item can be selected when the input signal is DTS-HD MASTER AUDIO.
∗8 This item can be selected when the input signal is DTS-HD HI RESOLUTION.
∗9 This item can be selected when the input signal is DTS 96/24.
∗10 The default sound mode for the AirPlay playback is DIRECT.
∗11 This item can be selected when the input signals contain surround back signals.

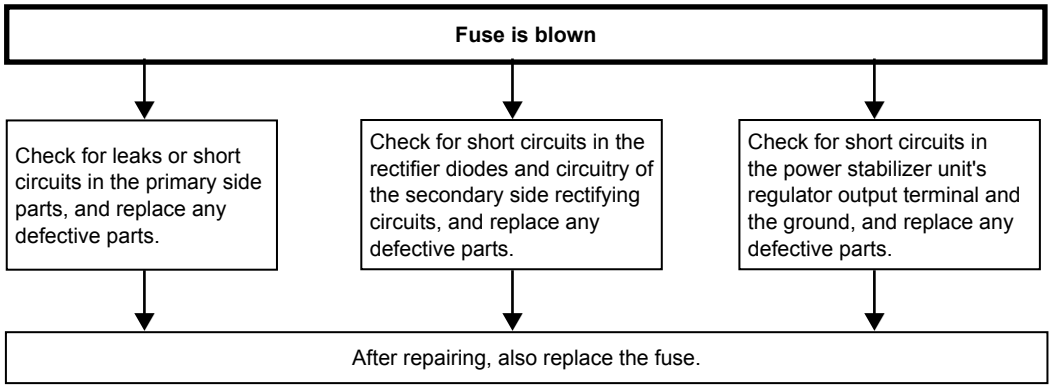
TROUBLE SHOOTING

1. POWER

1.1. Power not turn on



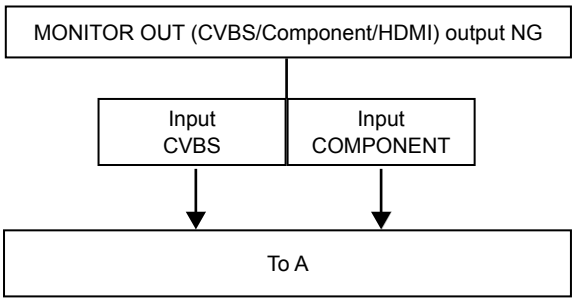
1.2. Fuse is blown

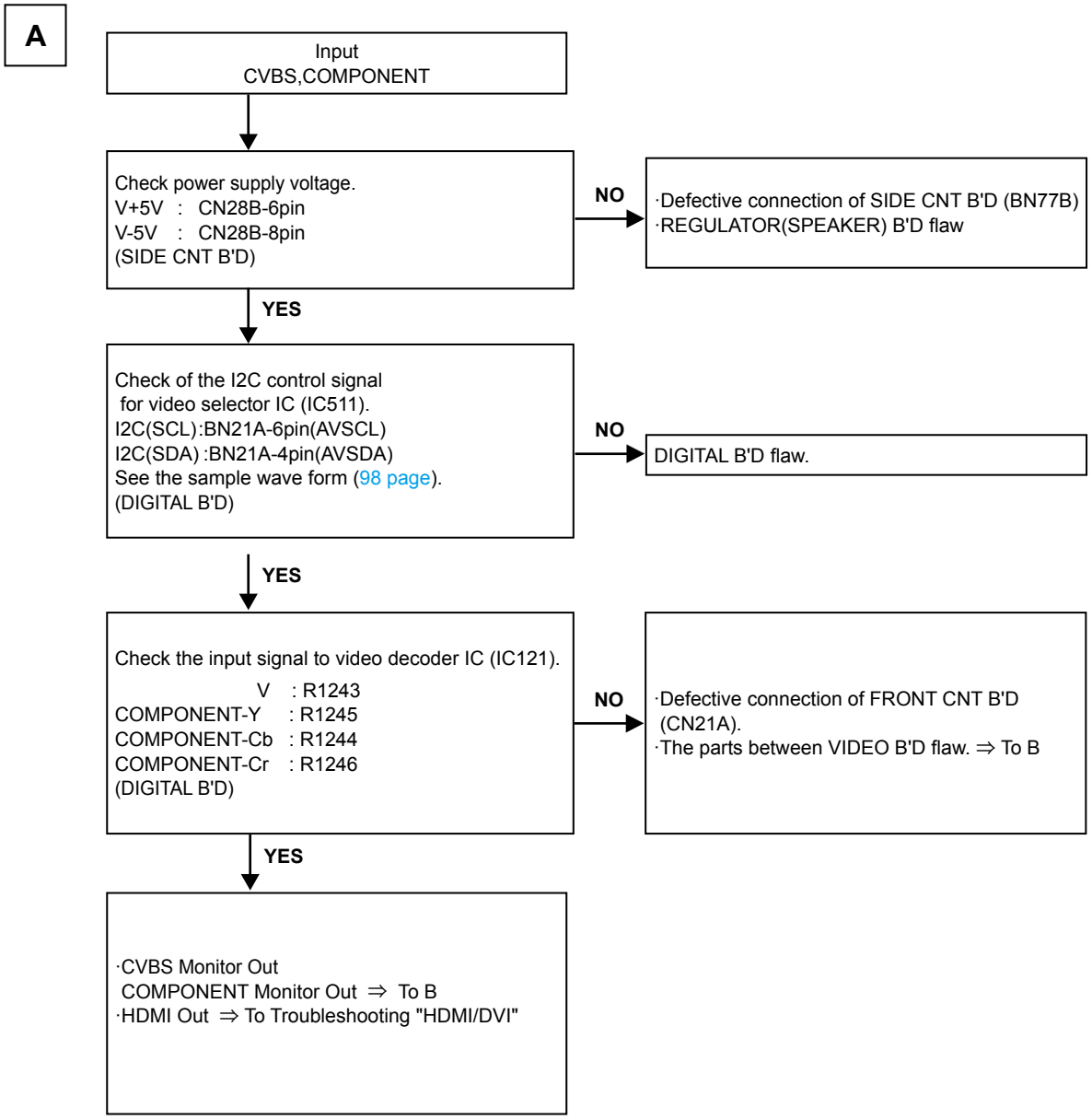


2. Analog video

Perform the operation below beforehand.

※ Check that the connection cable and the Monitor are normal.
※ Set VIDEO CONVERT ON.
※ Set Function to the CBL/SAT





B

VIDEO B'D flaw.

↓

Extend DIGITAL B'D using a jig.

↓

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 B'D)

NO → Power supply IC (IC513) flaw.
Defective connection of SIDE CNT B'D (BN28B)
Video selector IC (IC511) flaw

↓ YES

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

NO → Defective the parts between IC511.

↓ YES

Check the signal output from video selector IC (IC511).
(VIDEO B'D) to MONITOR to DIGITAL B'D
V : J5019 BN21B-17pin
OMPONENT-Y : J5021 BN21B-15pin
COMPONENT-Cb : J5028 BN21B-13pin
COMPONENT-Cr : J5029 BN21B-11pin

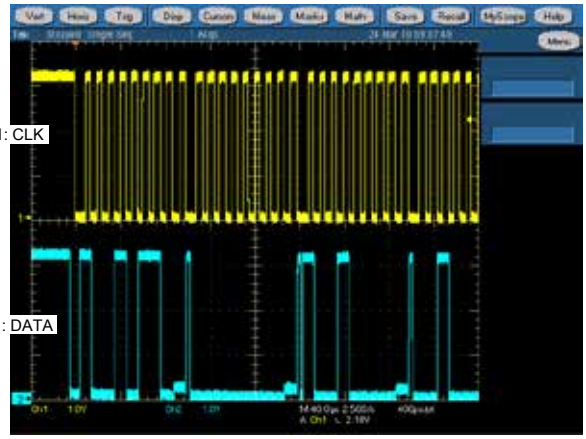
NO → Defective the soldering video selector IC (IC511) or video selector IC (IC511) flaw.

↓ YES

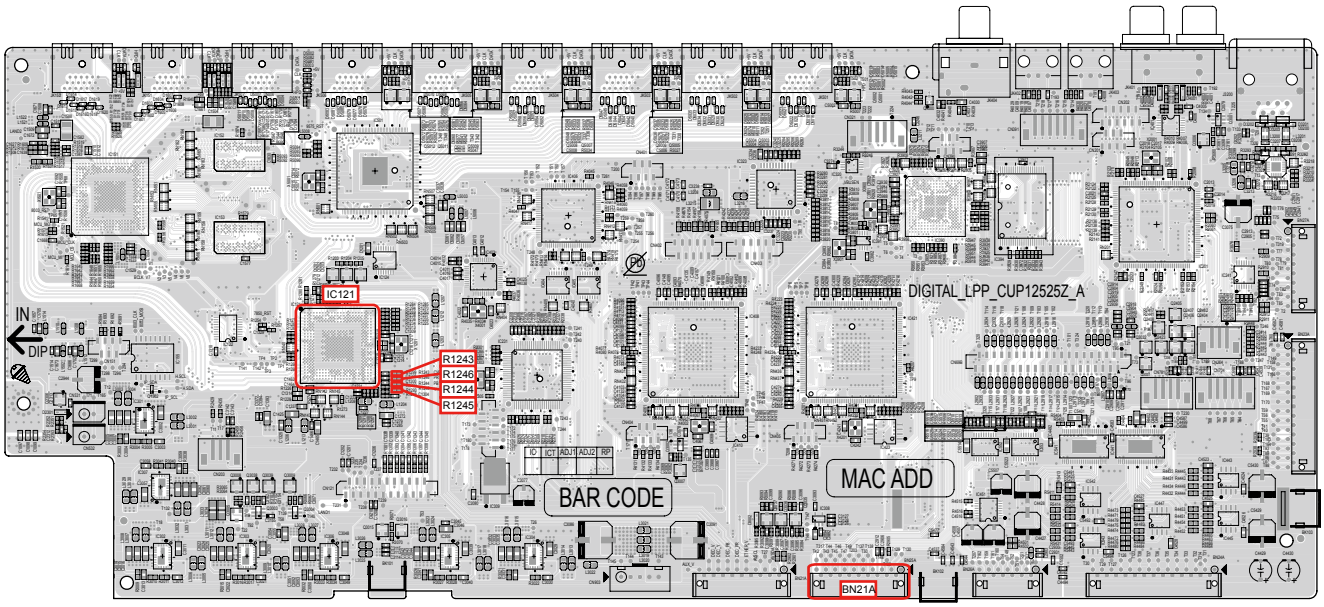
MONITOR OUT
Output terminal (JK511 or JK513) or pattern flaw.

HDMI OUT
Defective connection of FRONT CNT B'D (BN21B)
or FRONT CNT B'D pattern flaw

I2C communication wave form

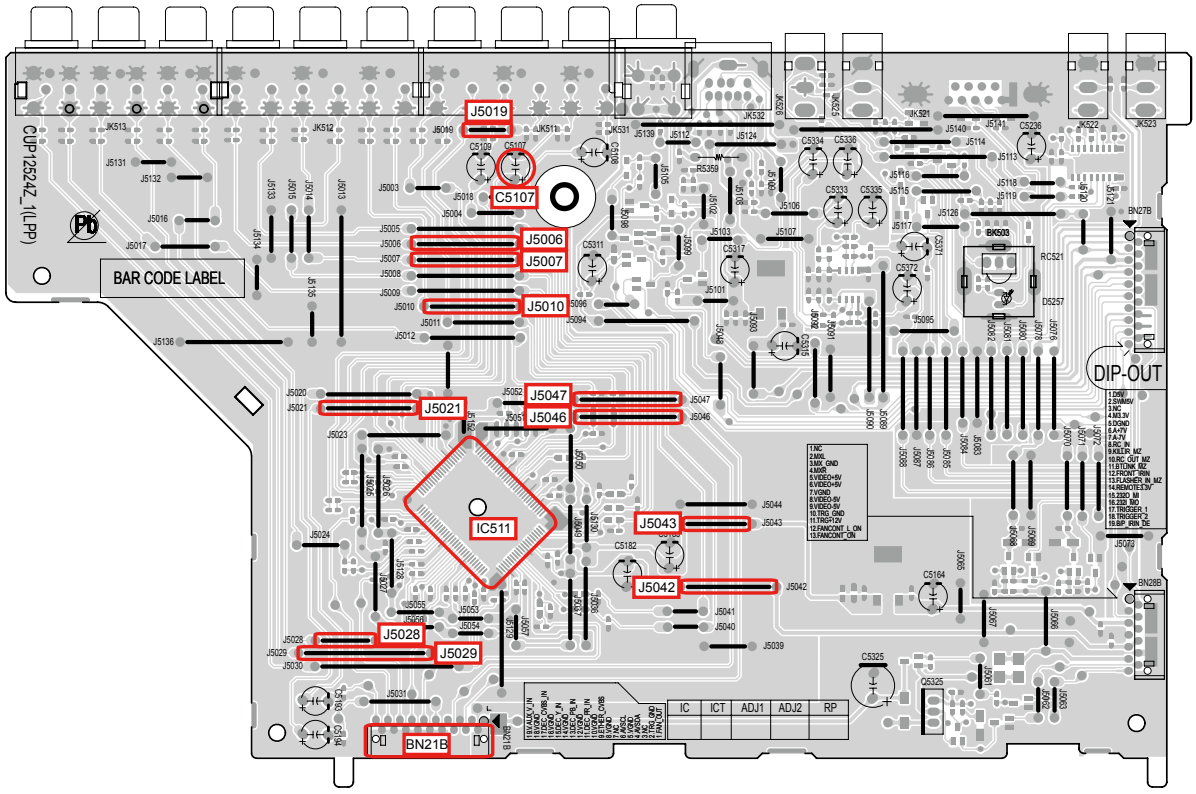


DIGITAL test point



(A SIDE)

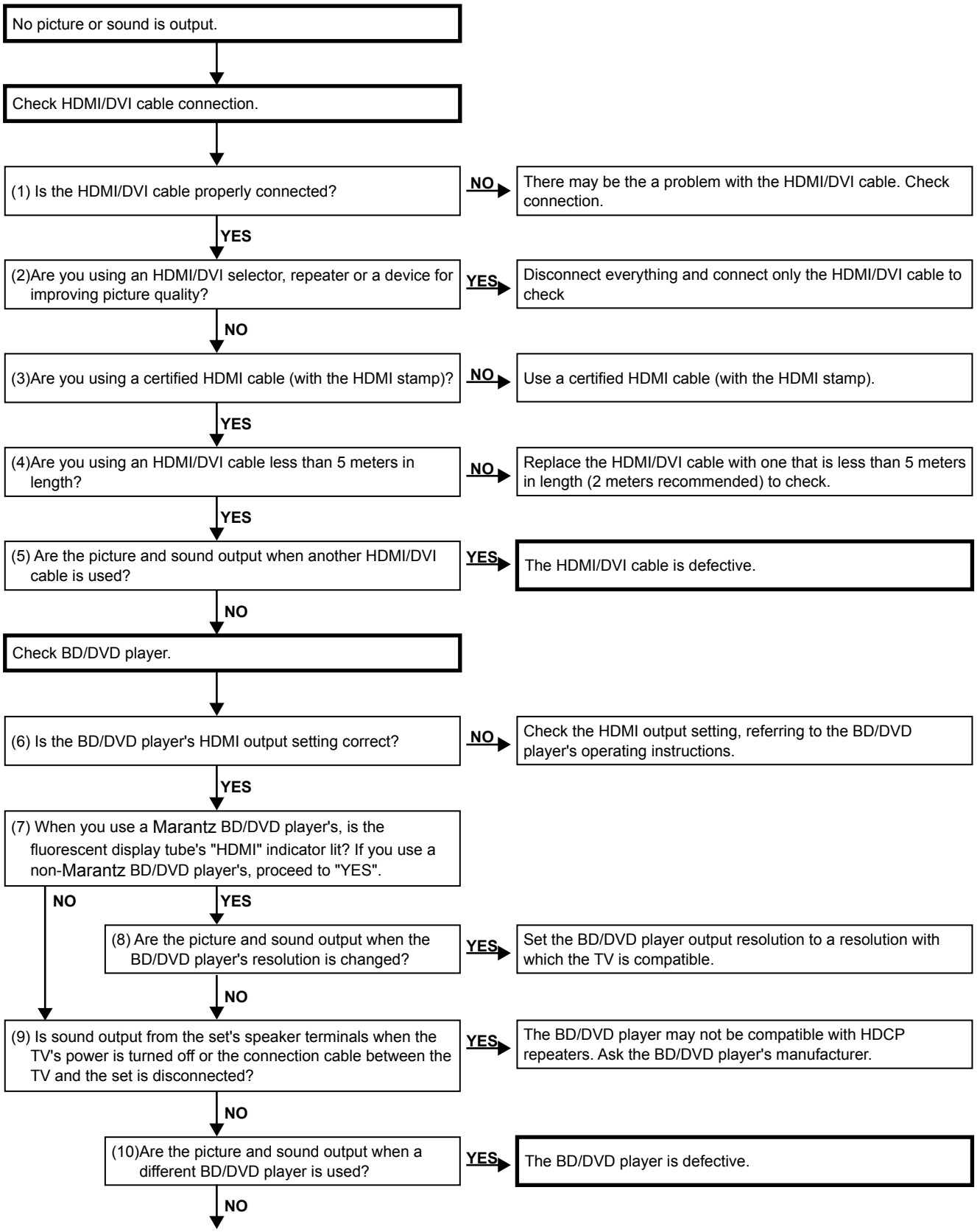
VIDEO test point

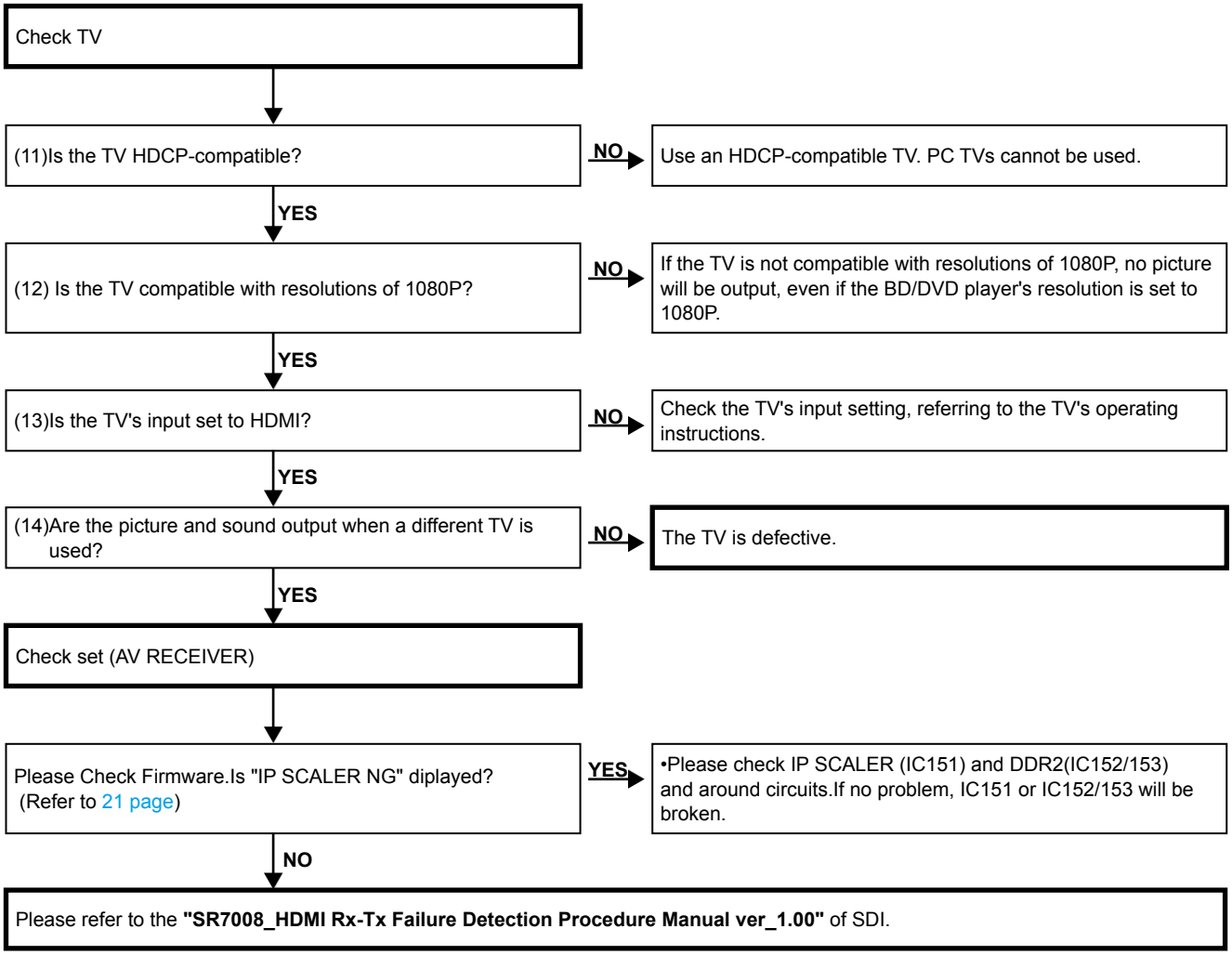


(A SIDE)

3. HDMI/DVI

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




Check TV
(11)Is the TV HDCP-compatible?
NO
Use an HDCP-compatible TV. PC TVs cannot be used.
YES
(12) Is the TV compatible with resolutions of 1080P?
NO
If the TV is not compatible with resolutions of 1080P, no picture will be output, even if the BD/DVD player's resolution is set to 1080P.
YES
(13)Is the TV's input set to HDMI?
NO
Check the TV's input setting, referring to the TV's operating instructions.
YES
(14)Are the picture and sound output when a different TV is used?
NO
The TV is defective.
YES
Check set (AV RECEIVER)
Please Check Firmware.Is "IP SCALER NG" diplayed? (Refer to 21 page)
YES
•Please check IP SCALER (IC151) and DDR2(IC152/153) and around circuits.If no problem, IC151 or IC152/153 will be broken.
NO
Please refer to the "SR7008_HDMI Rx-Tx Failure Detection Procedure Manual ver_1.00" of SDI.

4. AUDIO

4.1. AUDIO CHECK

Audio output NG.

Refer to "**Audio Check PATH**" (111 page).

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

NO → Check ANALOG audio BLOCK.

YES

CHECK2	INPUT	SURROND MODE	SOURCE
Audio output OK?	COAX or OPT	Don't care	Legacy (PCM or DolbyDigital or dts…)

NO → Check Digital audio BLOCK.

YES

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

NO → Check ADC BLOCK

YES

CHECK4	INPUT	SURROND MODE	SOURCE
Audio output OK?	HDMI	Don't care	Legacy (PCM2ch or DolbyDigital or dts…)

NO → Check HDMI BLOCK.

YES

CHECK5	INPUT	SURROND MODE	SOURCE
Audio output OK?	HDMI	Don't care	HBR audio (DolbyTrueHD or dtsHD MA)

YES (Digital audio Block is OK) → Check other factors.

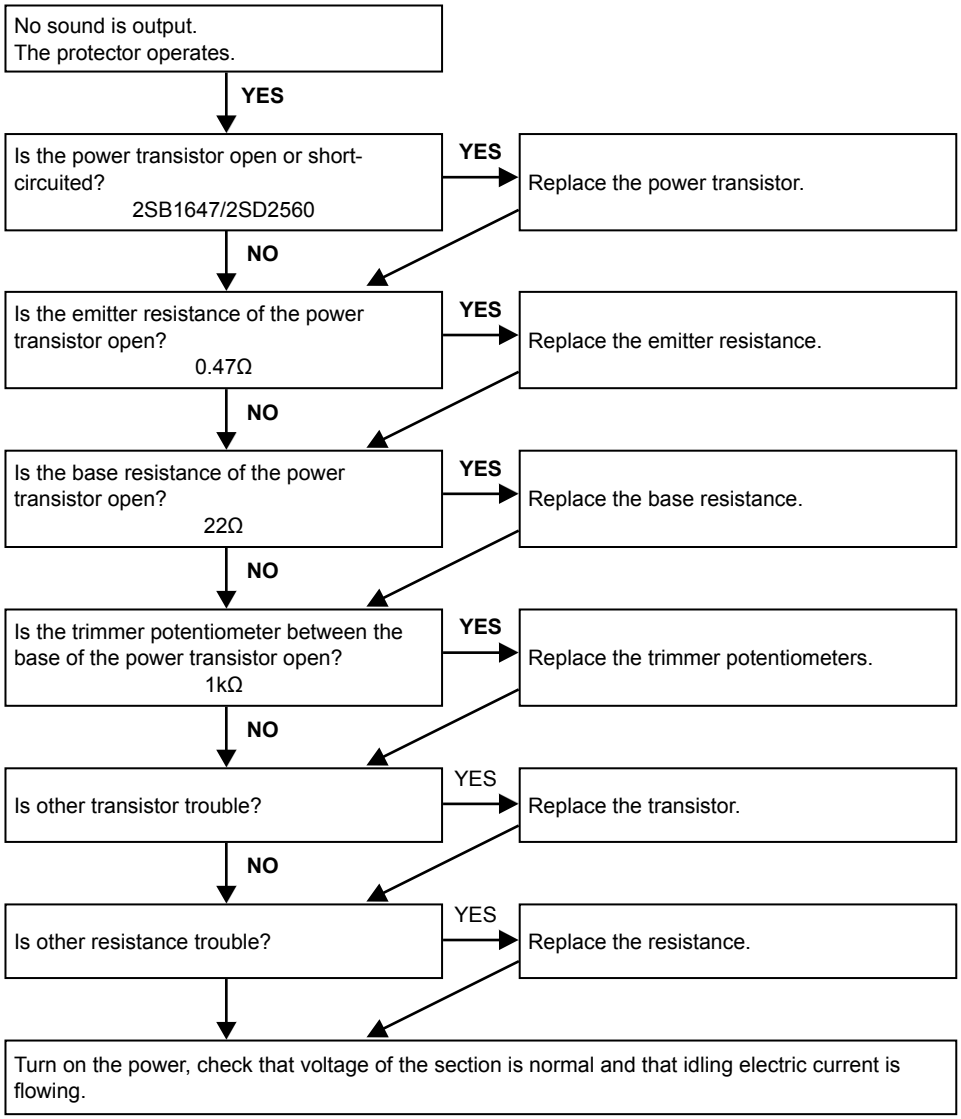
NO

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	Don't care	HBR audio(DolbyTrueHD or dtsHD MA)

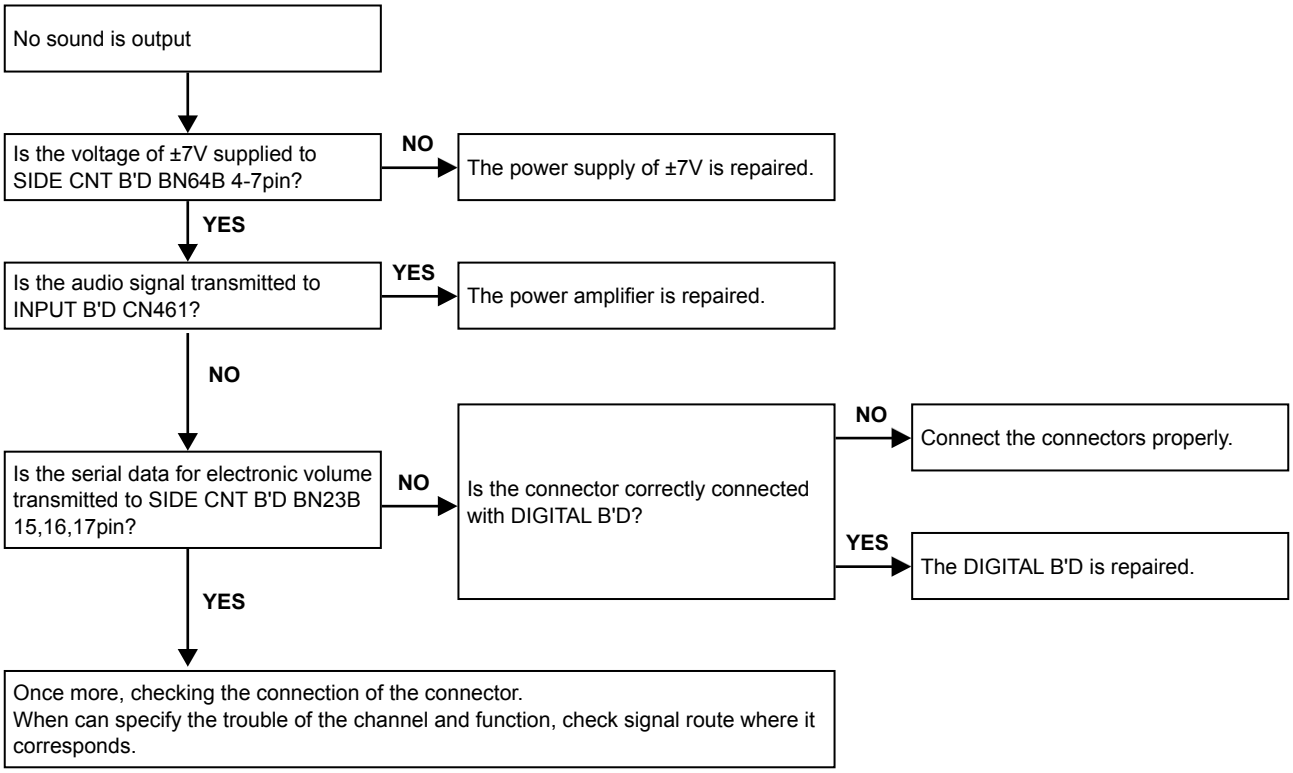
YES → Check Digital audio BLOCK

NO → Check HDMI BLOCK.

4.2. Power AMP

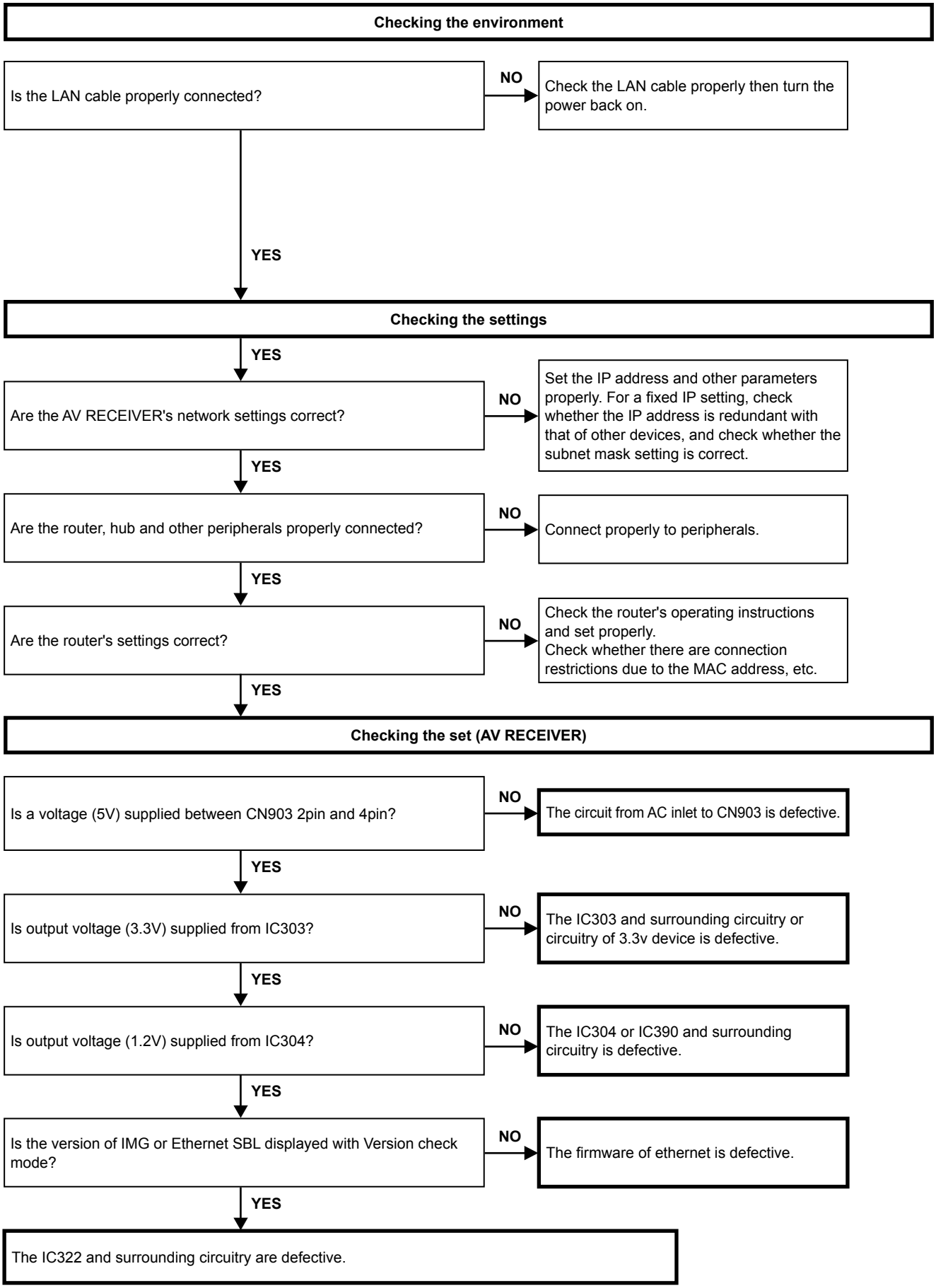

No sound is output.
The protector operates.
YES
Is the power transistor open or short-circuited?
2SB1647/2SD2560
YES
Replace the power transistor.
NO
Is the emitter resistance of the power transistor open?
0.47Ω
YES
Replace the emitter resistance.
NO
Is the base resistance of the power transistor open?
22Ω
YES
Replace the base resistance.
NO
Is the trimmer potentiometer between the base of the power transistor open?
1kΩ
YES
Replace the trimmer potentiometers.
NO
Is other transistor trouble?
YES
Replace the transistor.
NO
Is other resistance trouble?
YES
Replace the resistance.
Turn on the power, check that voltage of the section is normal and that idling electric current is flowing.

4.3. Analog audio

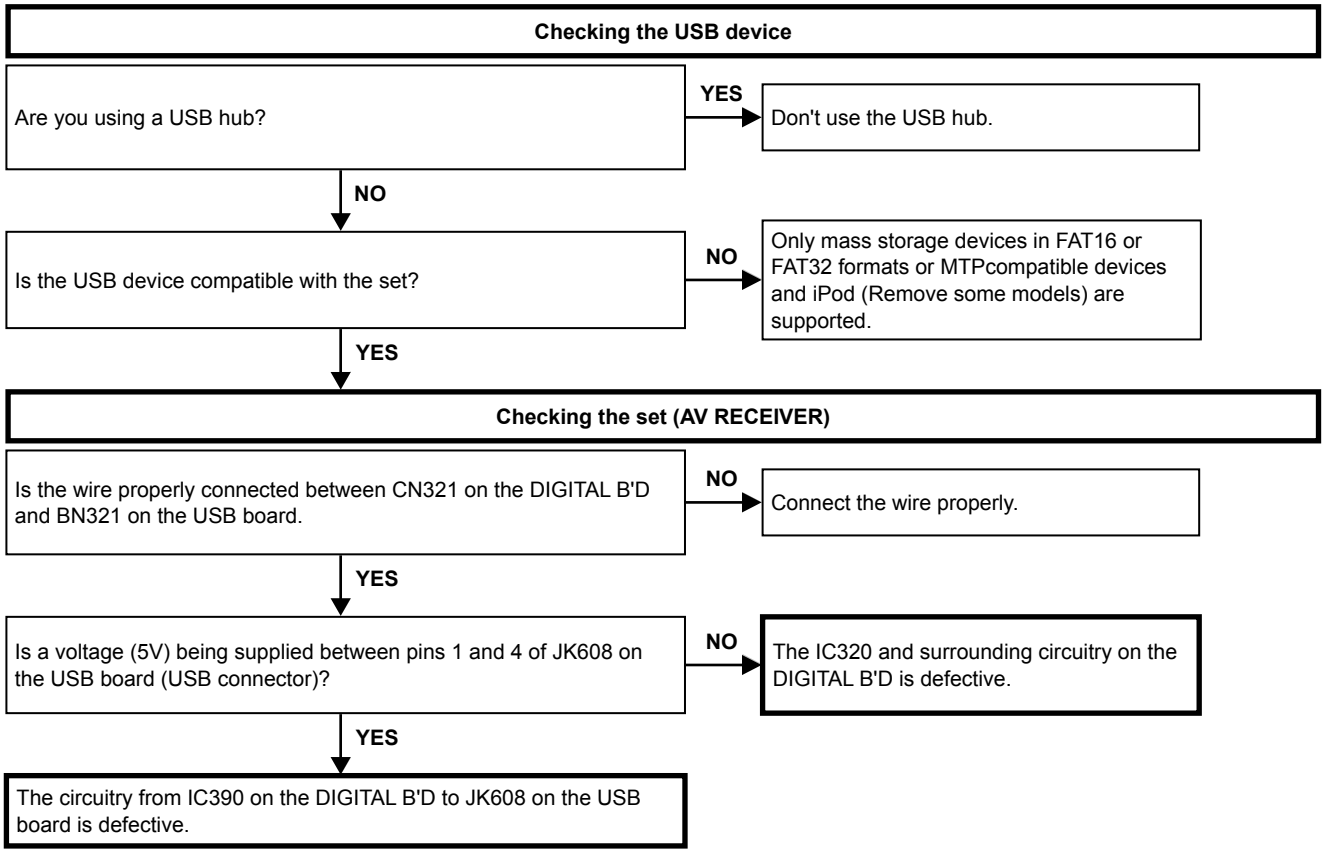


5. Network/USB

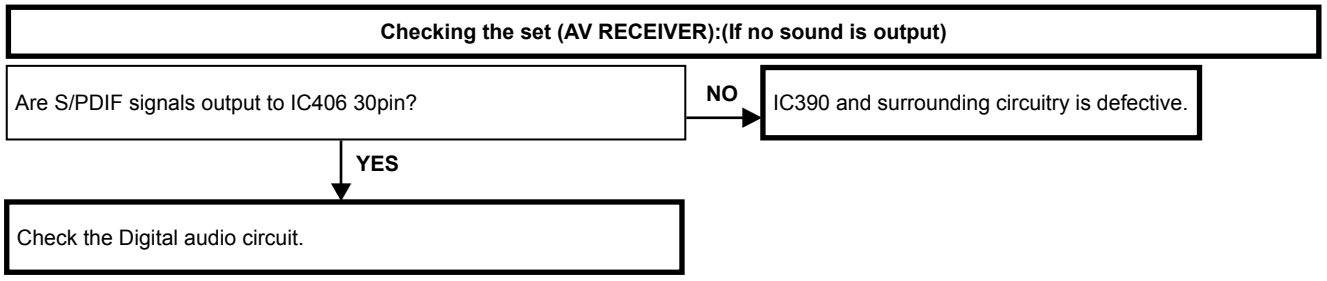
5.1. Cannot connect to network

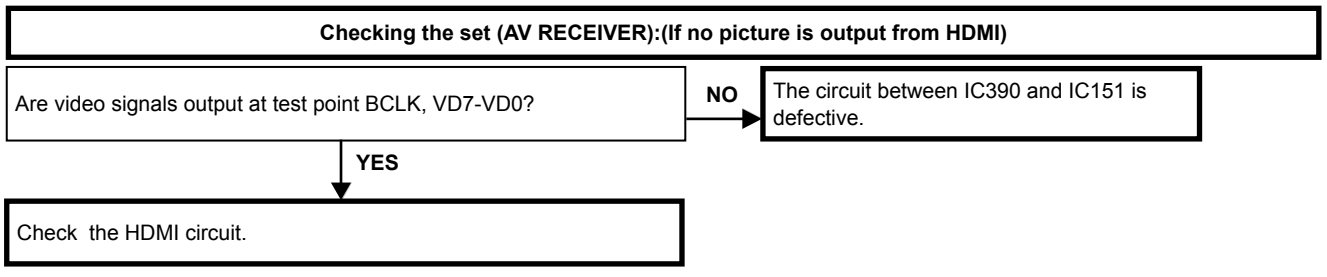


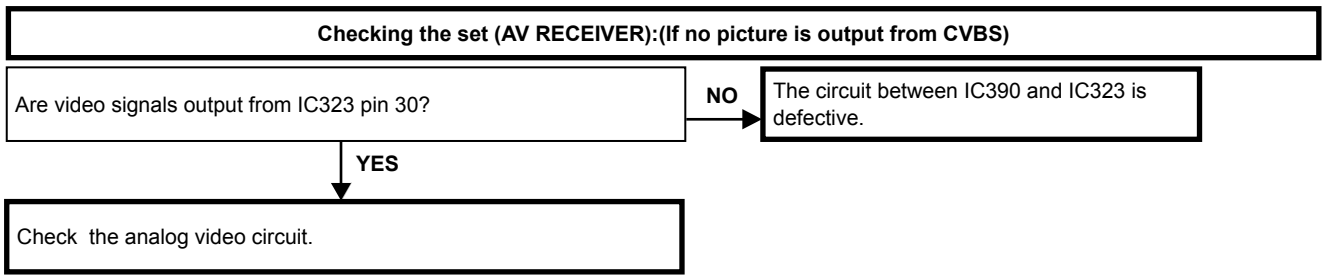
5.2.USB device is not recognized



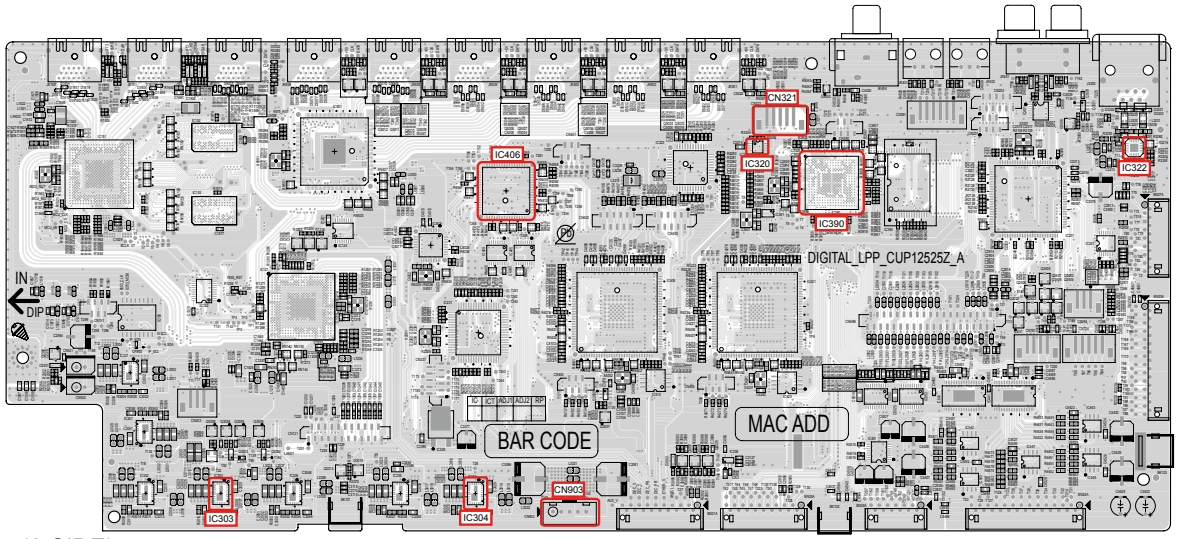
5.3. No picture or sound is output



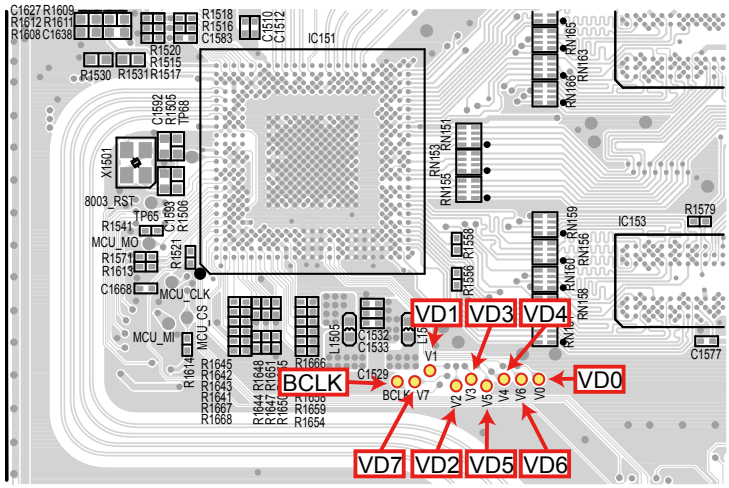




DIGITAL test point

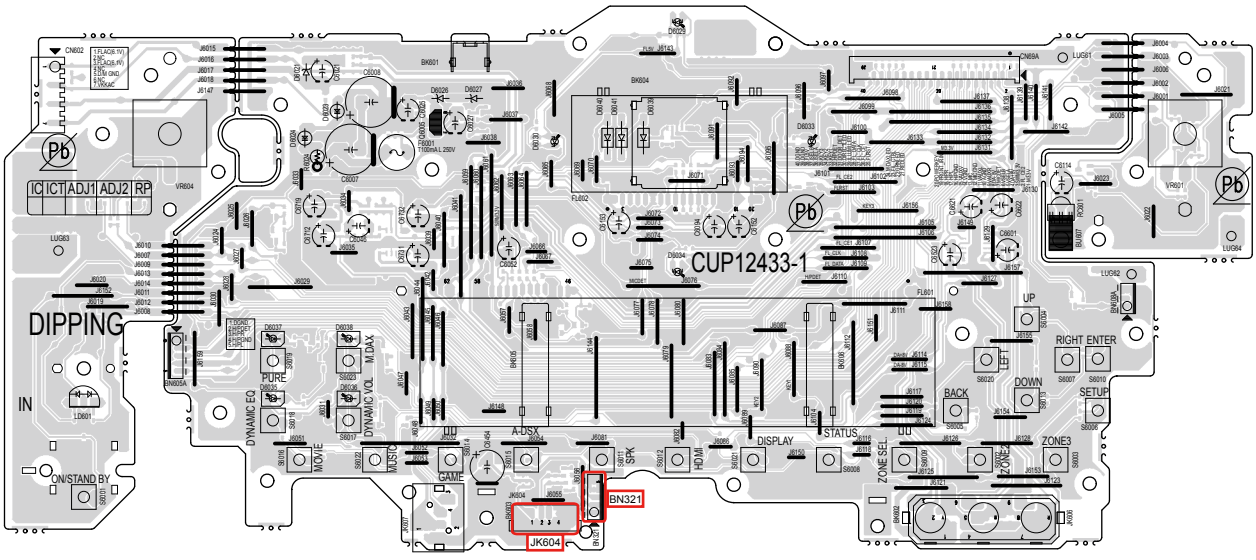


(A SIDE)



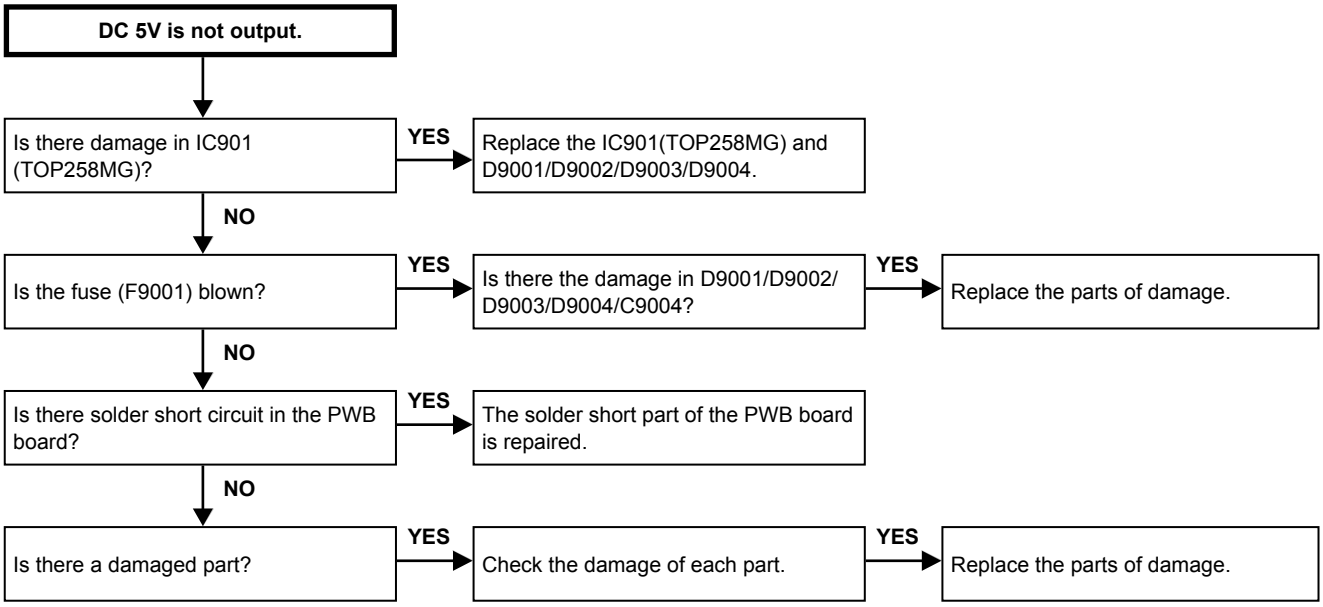
(A SIDE)

USB test point

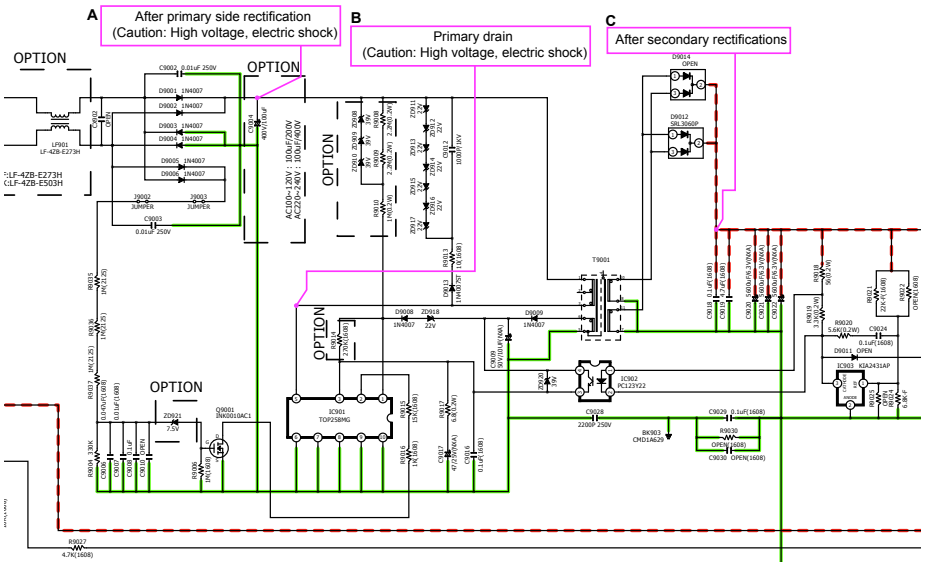


(A SIDE)

6. SMPS


DC 5V is not output.
Is there damage in IC901 (TOP258MG)?
YES
Replace the IC901(TOP258MG) and D9001/D9002/D9003/D9004.
NO
Is the fuse (F9001) blown?
YES
Is there the damage in D9001/D9002/ D9003/D9004/C9004?
YES
Replace the parts of damage.
NO
Is there solder short circuit in the PWB board?
YES
The solder short part of the PWB board is repaired.
NO
Is there a damaged part?
YES
Check the damage of each part.
YES
Replace the parts of damage.

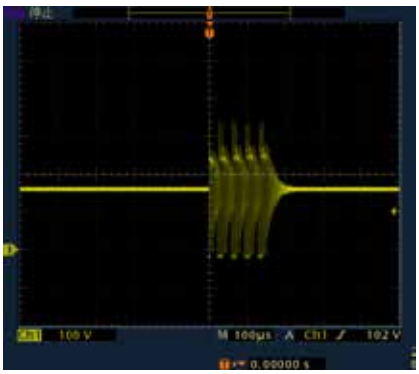
Operation waveform for each part



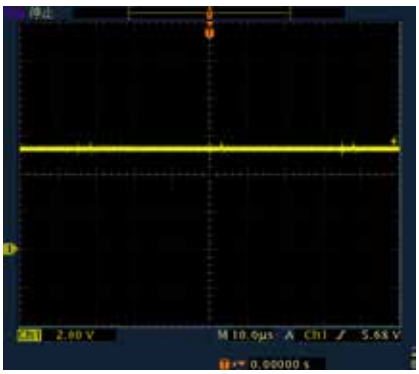
SMPS unit
(Unloaded)

A

B

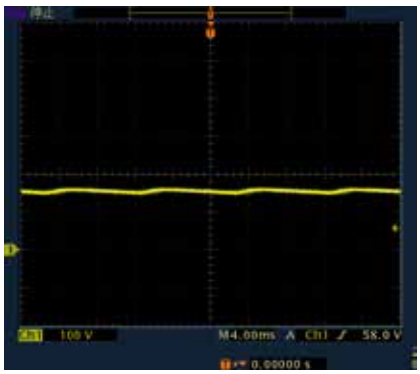


C

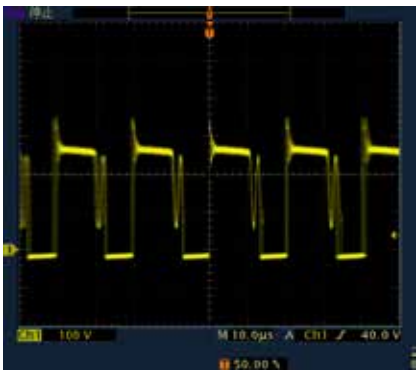


Set

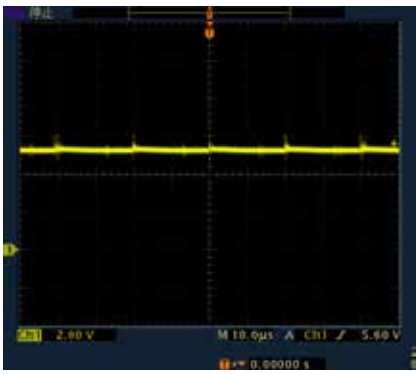
A



B



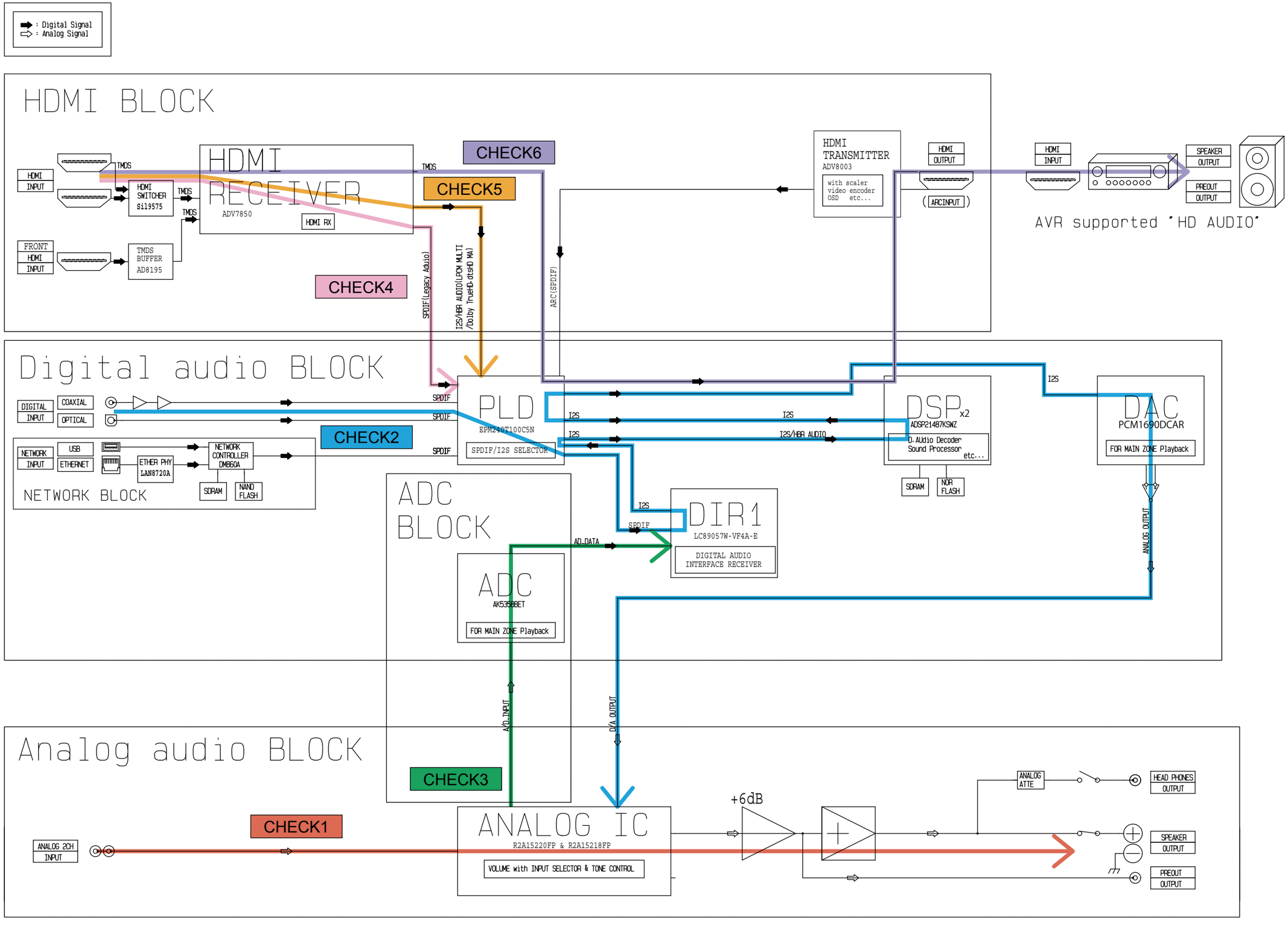
C



Personal notes:

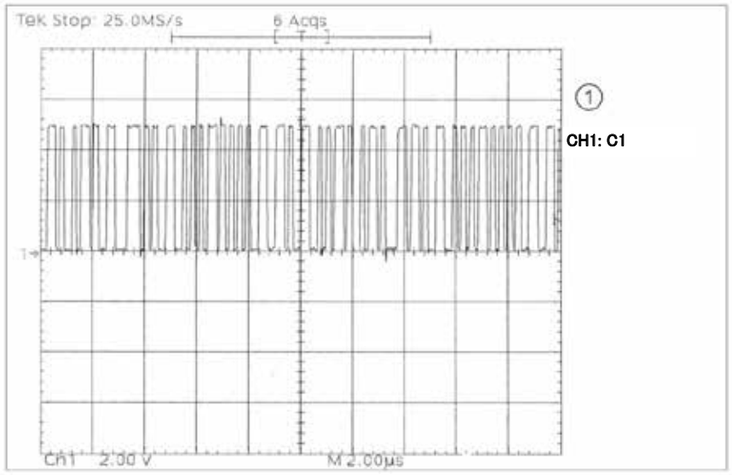
AUDIO CHECK PASS

Refer to troubleshooting **"4.1. AUDIO CHECK"**102 page.



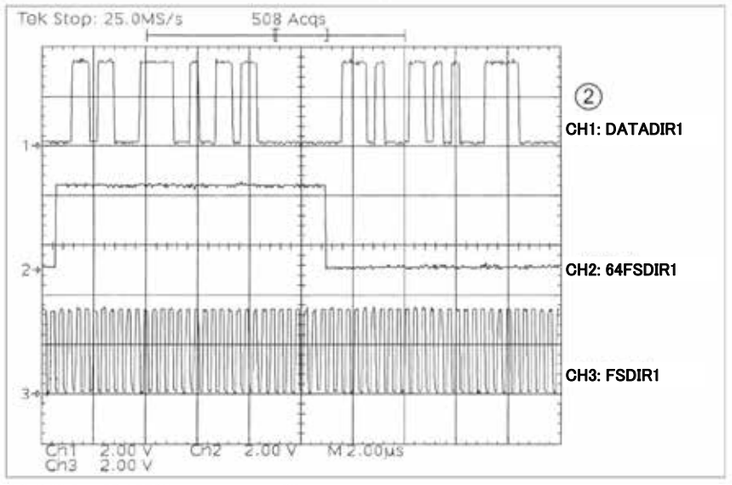
CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK

WAVE FORM



①

CH1: C1

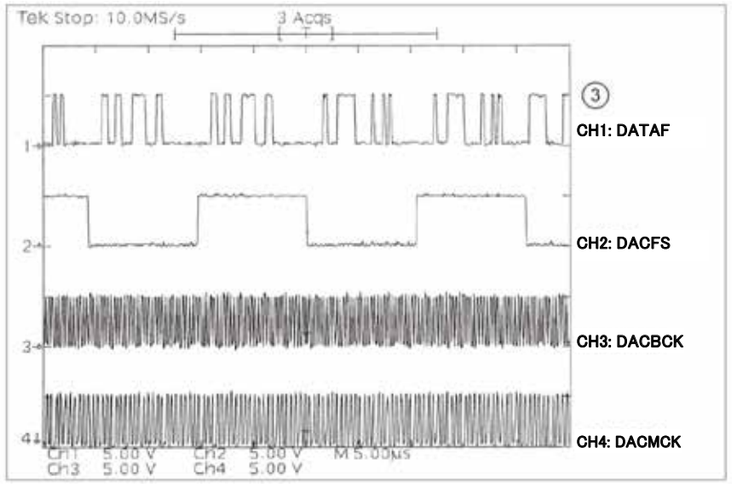


②

CH1: DATADIR1

CH2: 64FSDIR1

CH3: FSDIR1



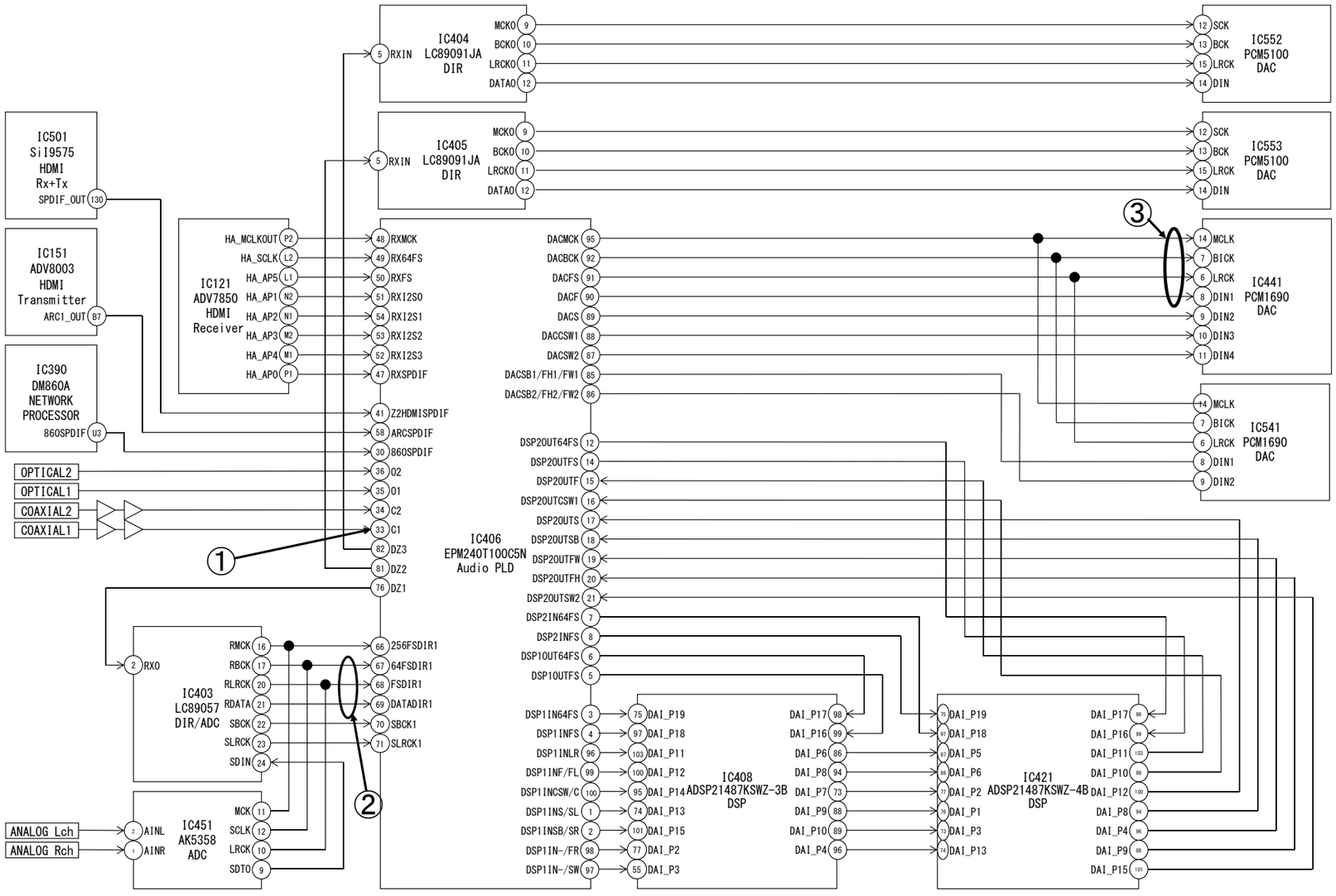
③

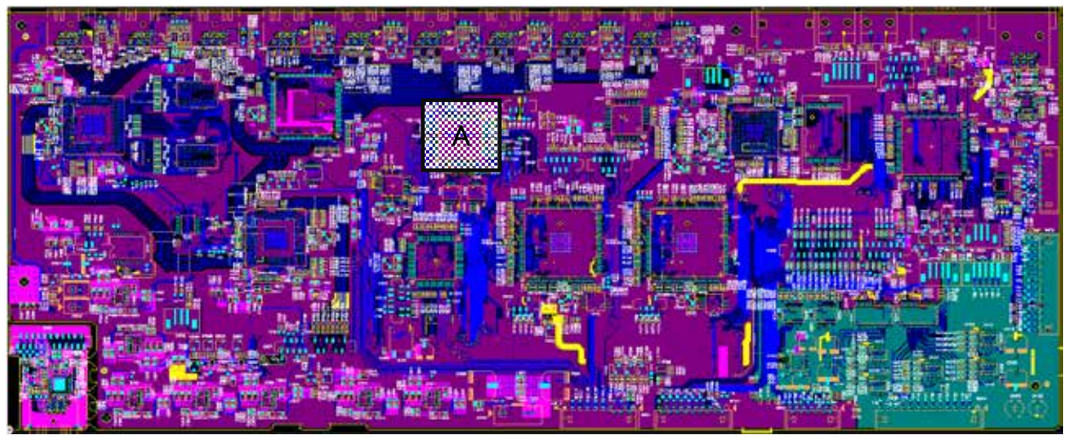
CH1: DATAF

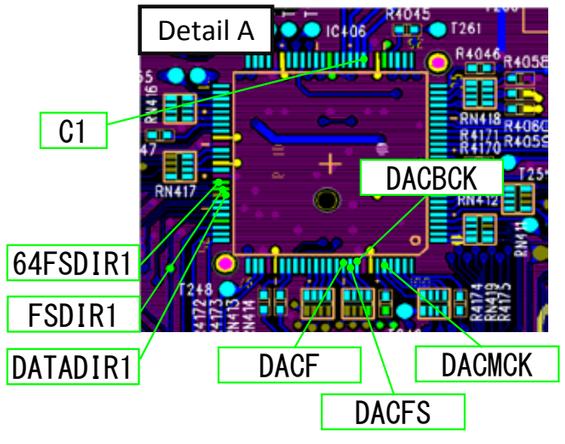
CH2: DACFS

CH3: DACBCK

CH4: DACMCK

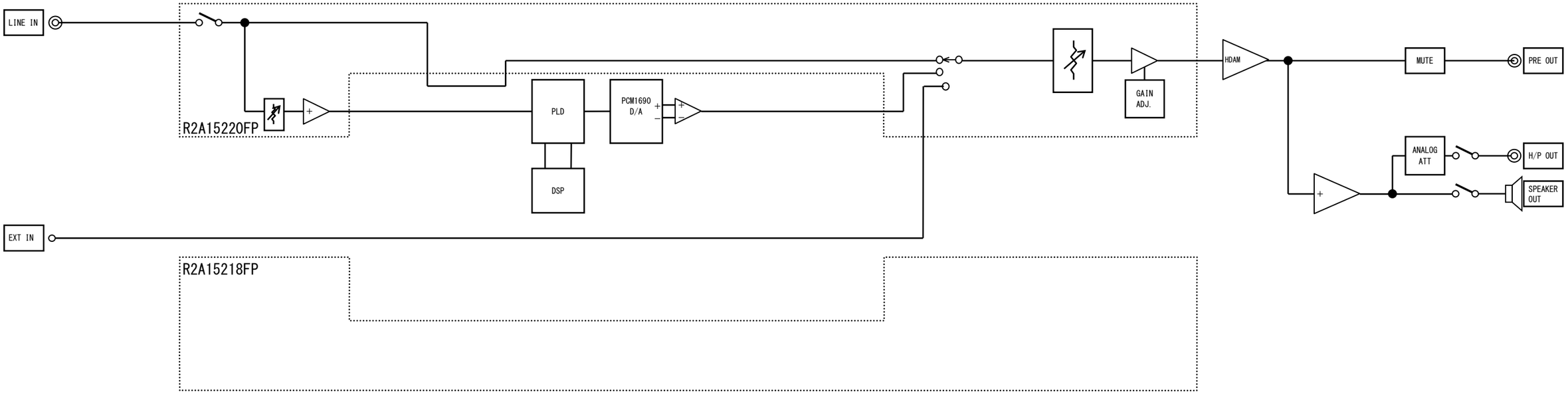


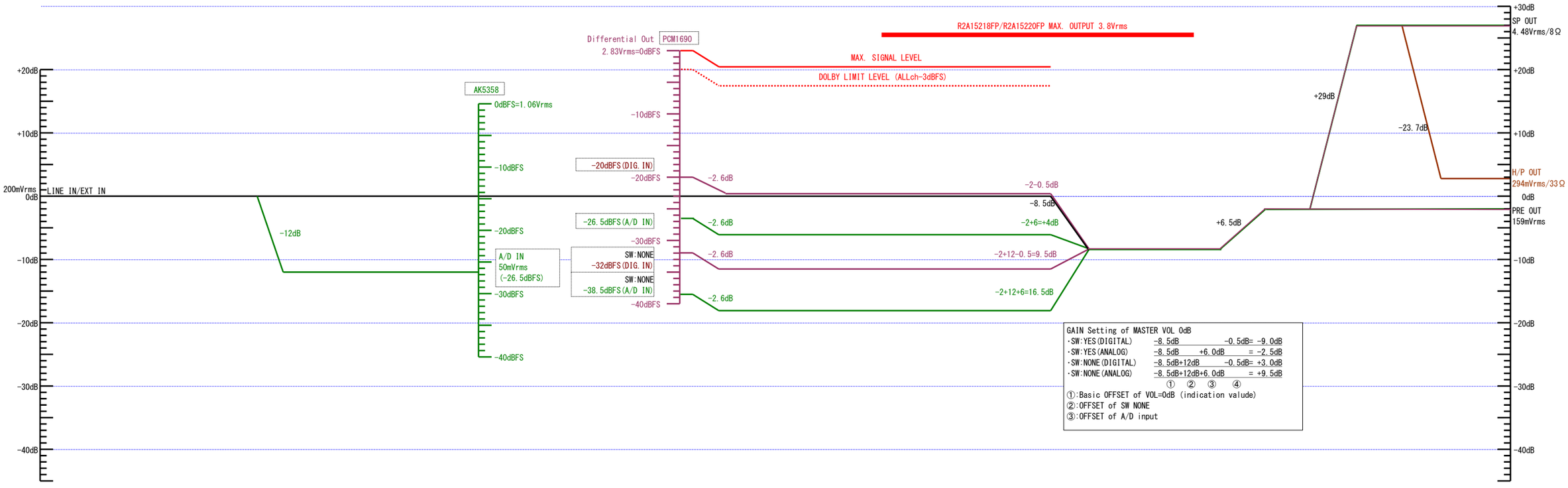




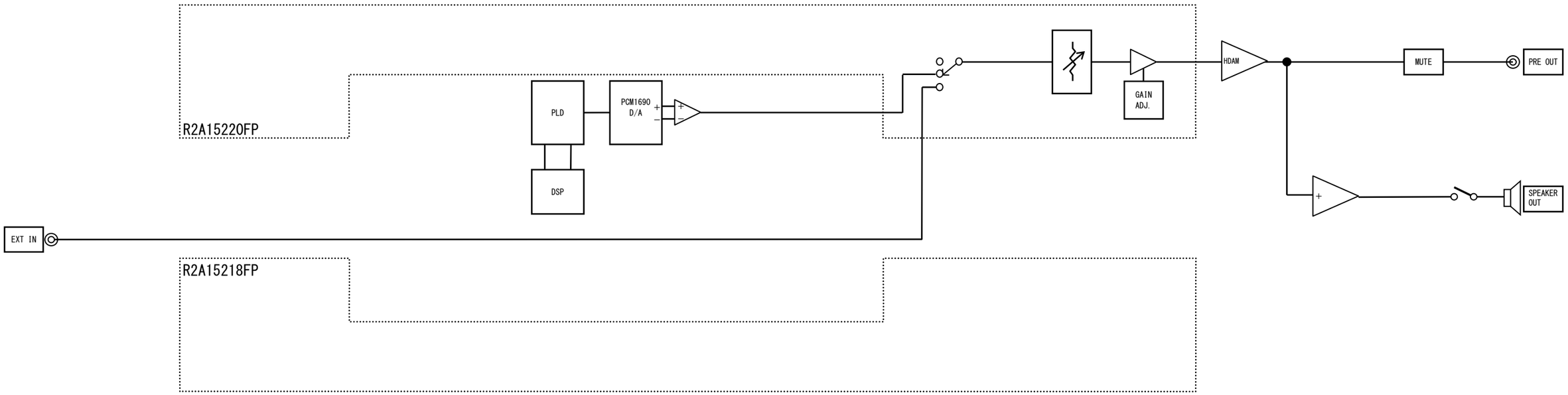
LEVEL DIAGRAM

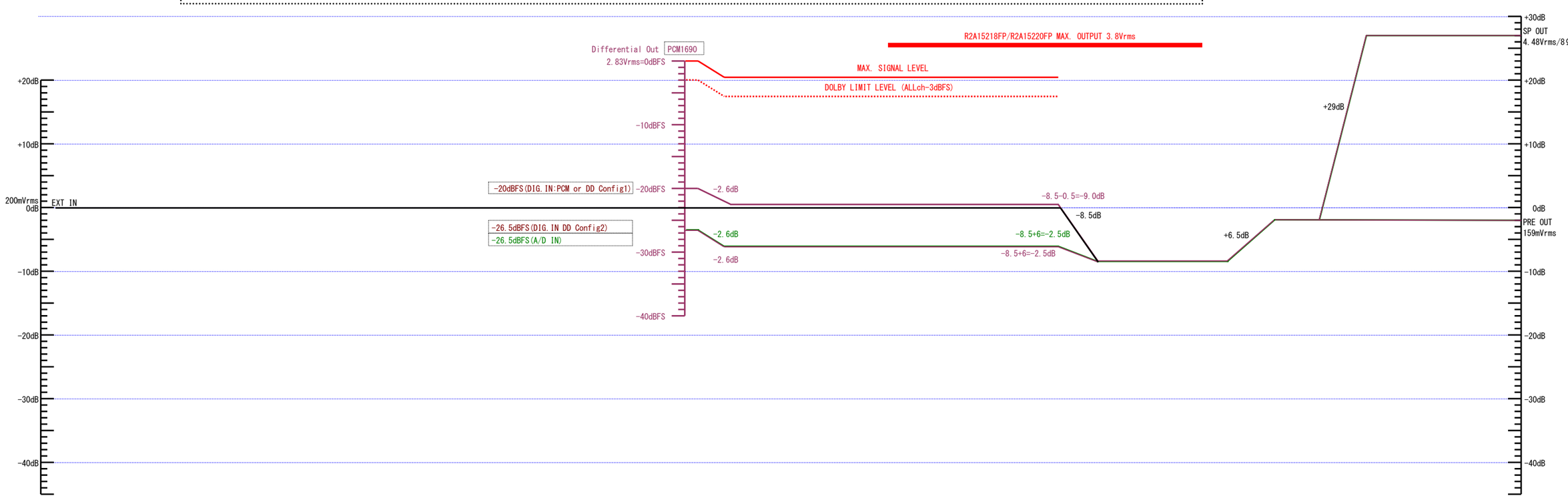
SR7008
LEVEL DIAGRAM
FRONT ch



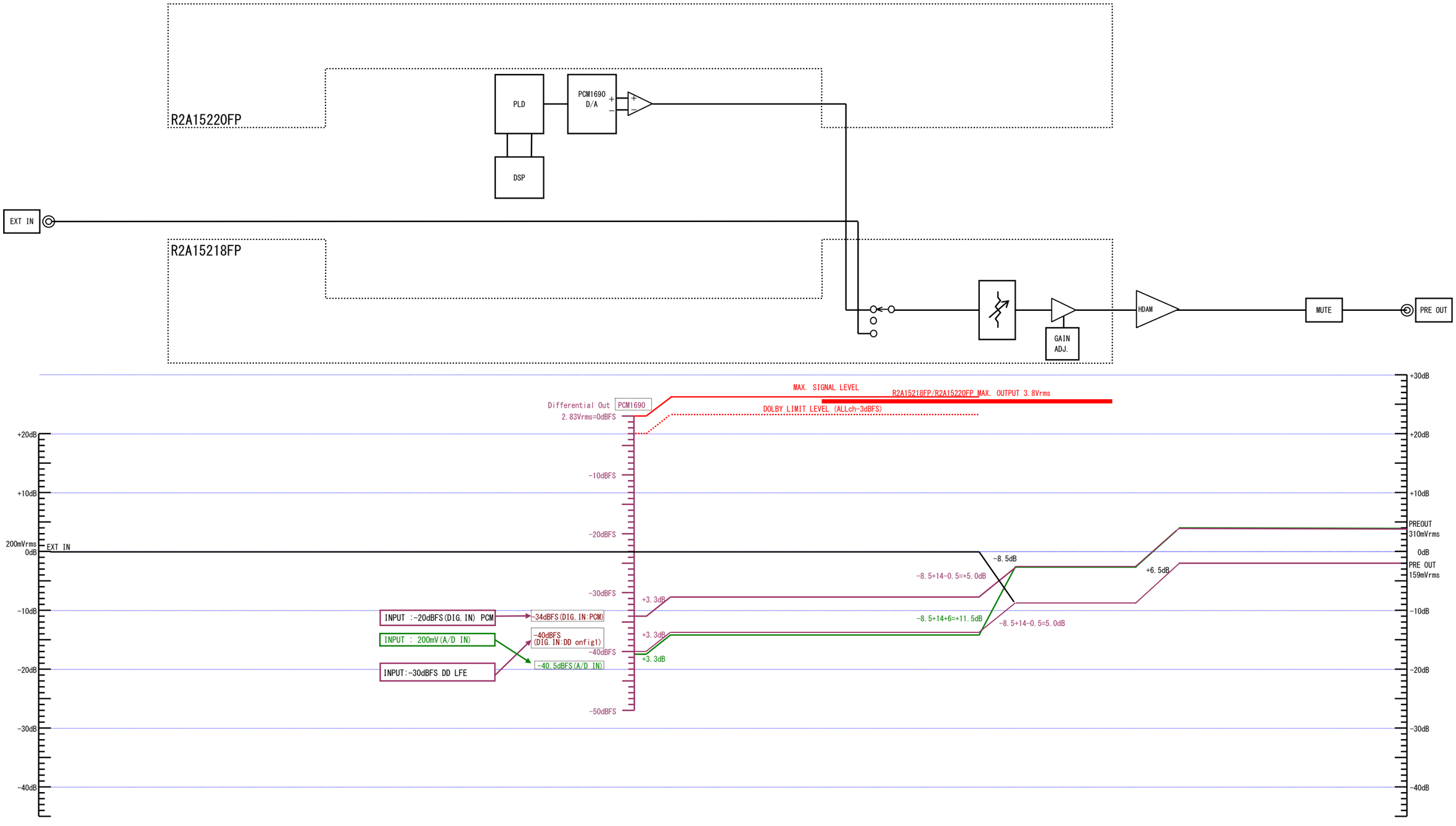


SR7008
LEVEL DIAGRAM
CENTER ch

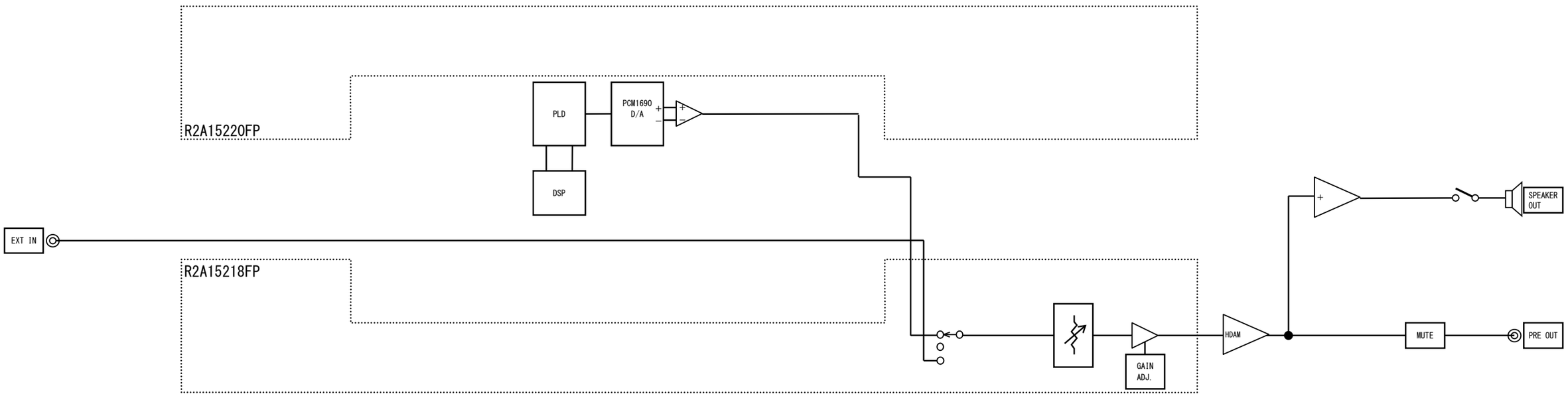


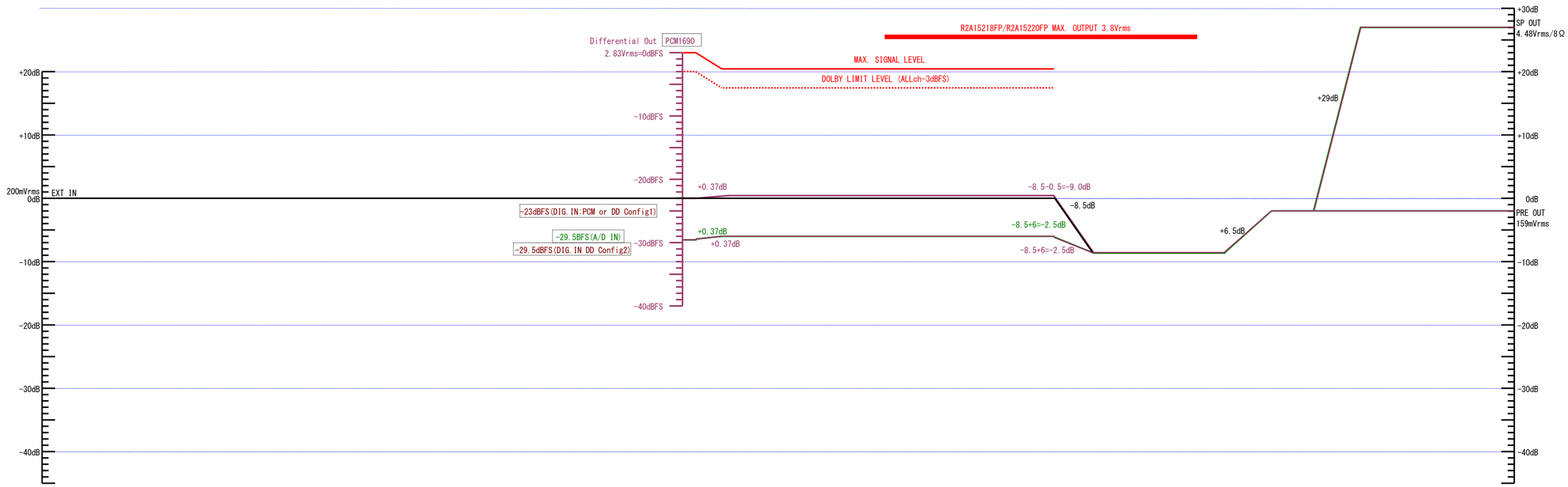


SR7008
LEVEL DIAGRAM
SUBWOOFER ch

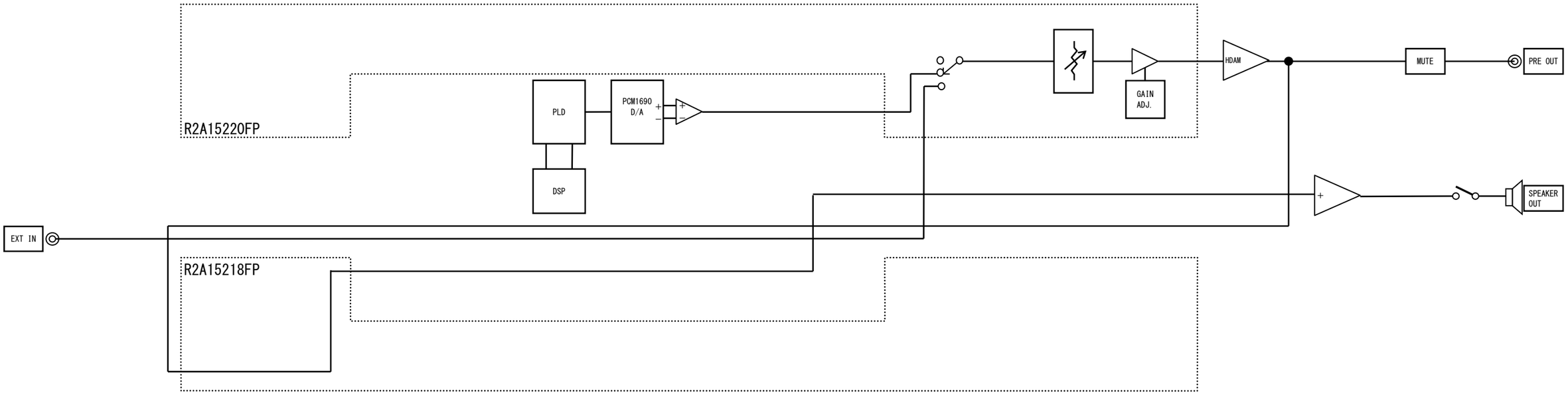


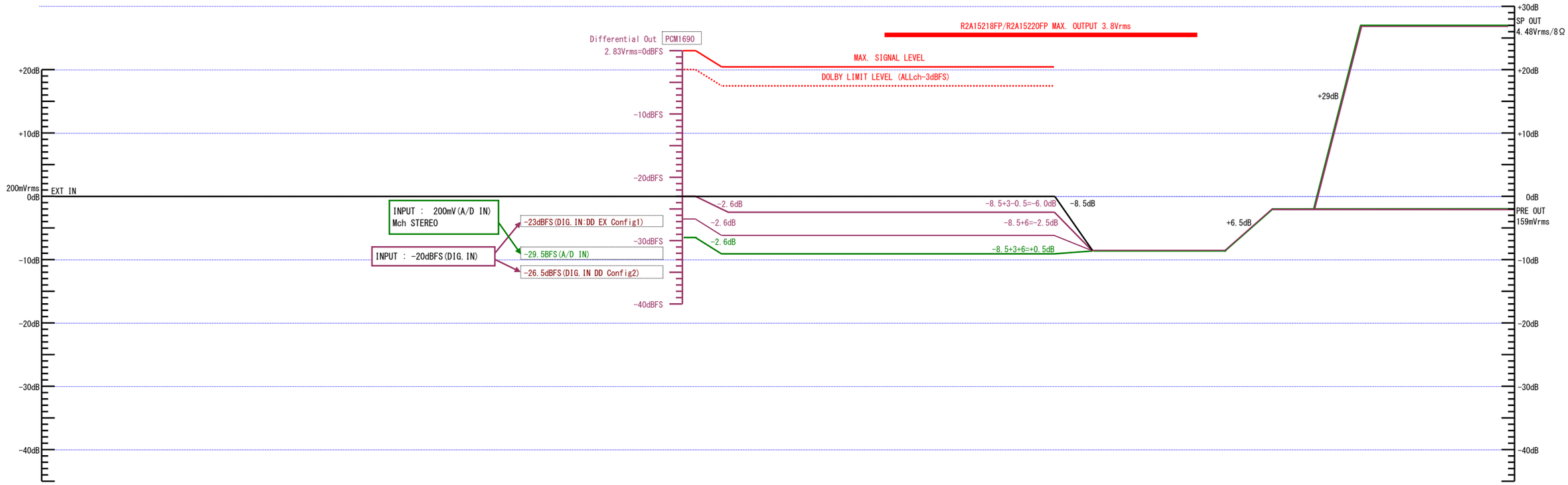
SR7008
LEVEL DIAGRAM
SURROUND ch



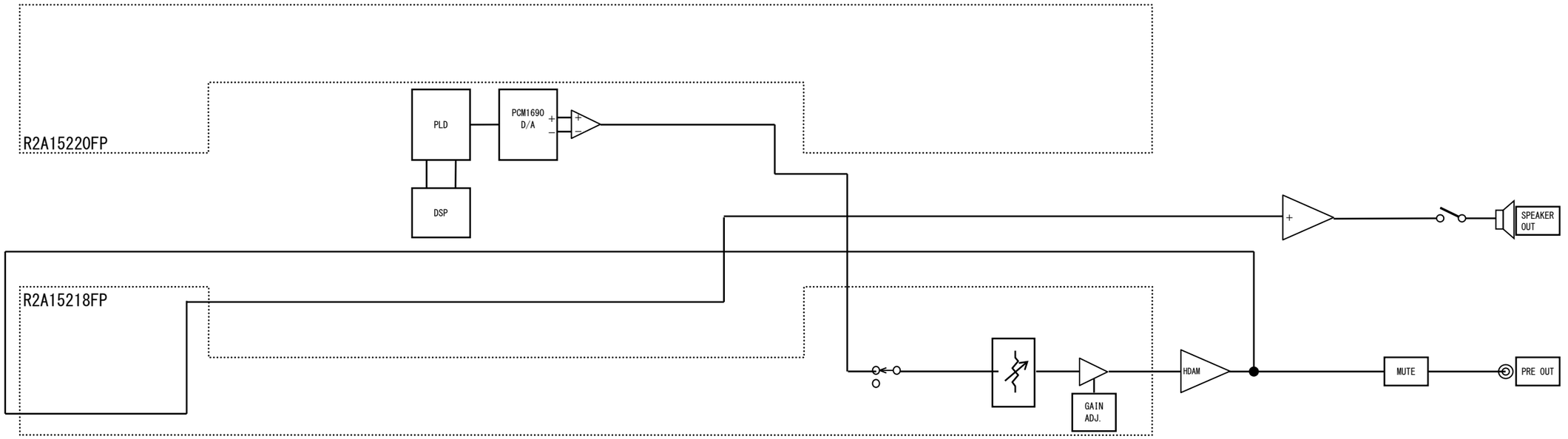


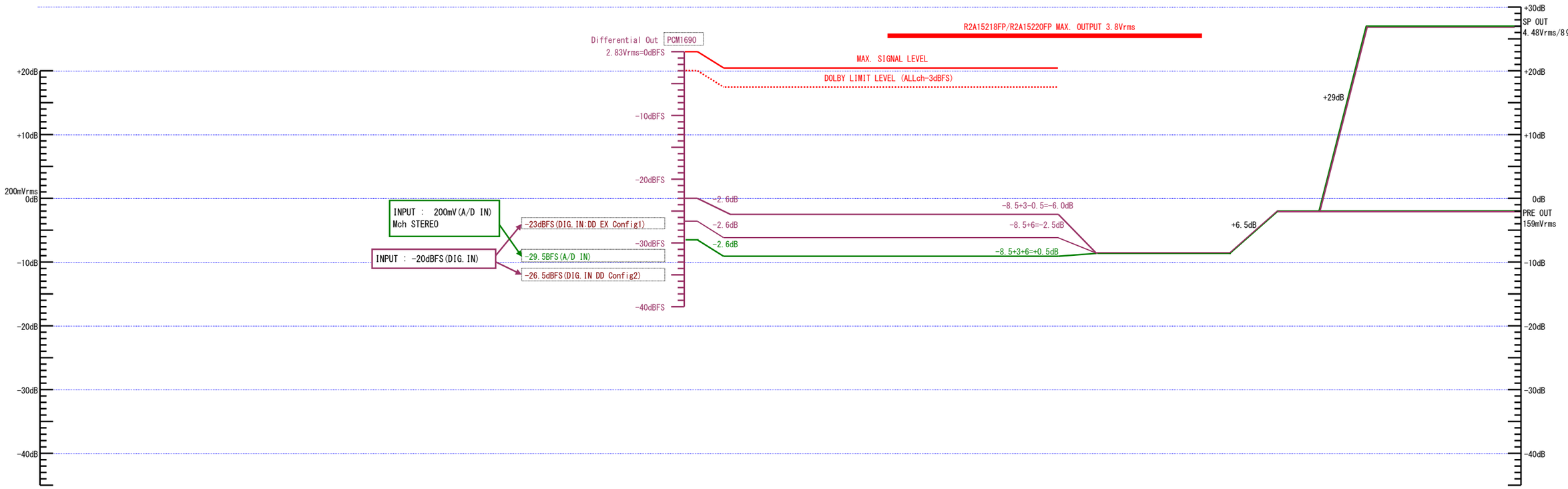
SR7008
LEVEL DIAGRAM
SURR.BACK ch



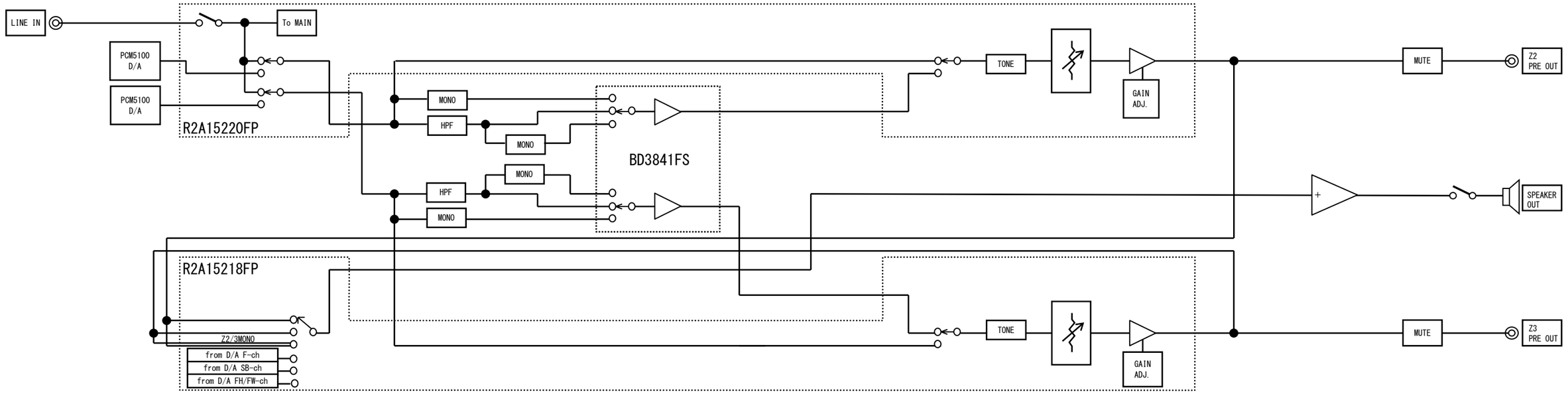


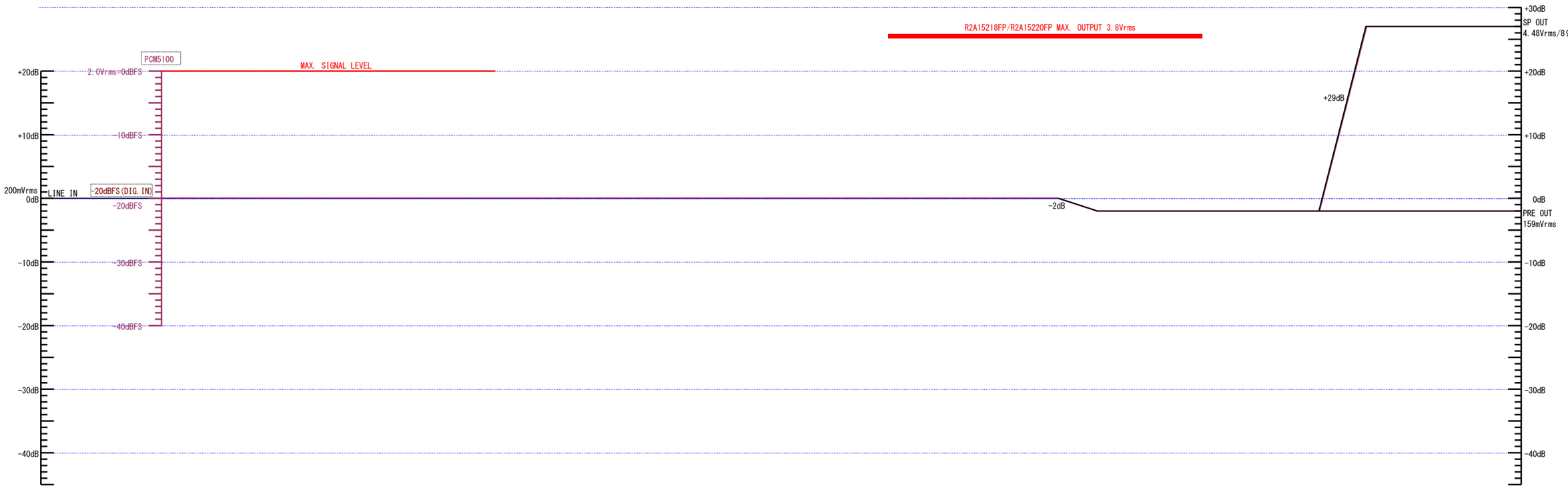
SR7008
LEVEL DIAGRAM
Front Height / Front Wide ch



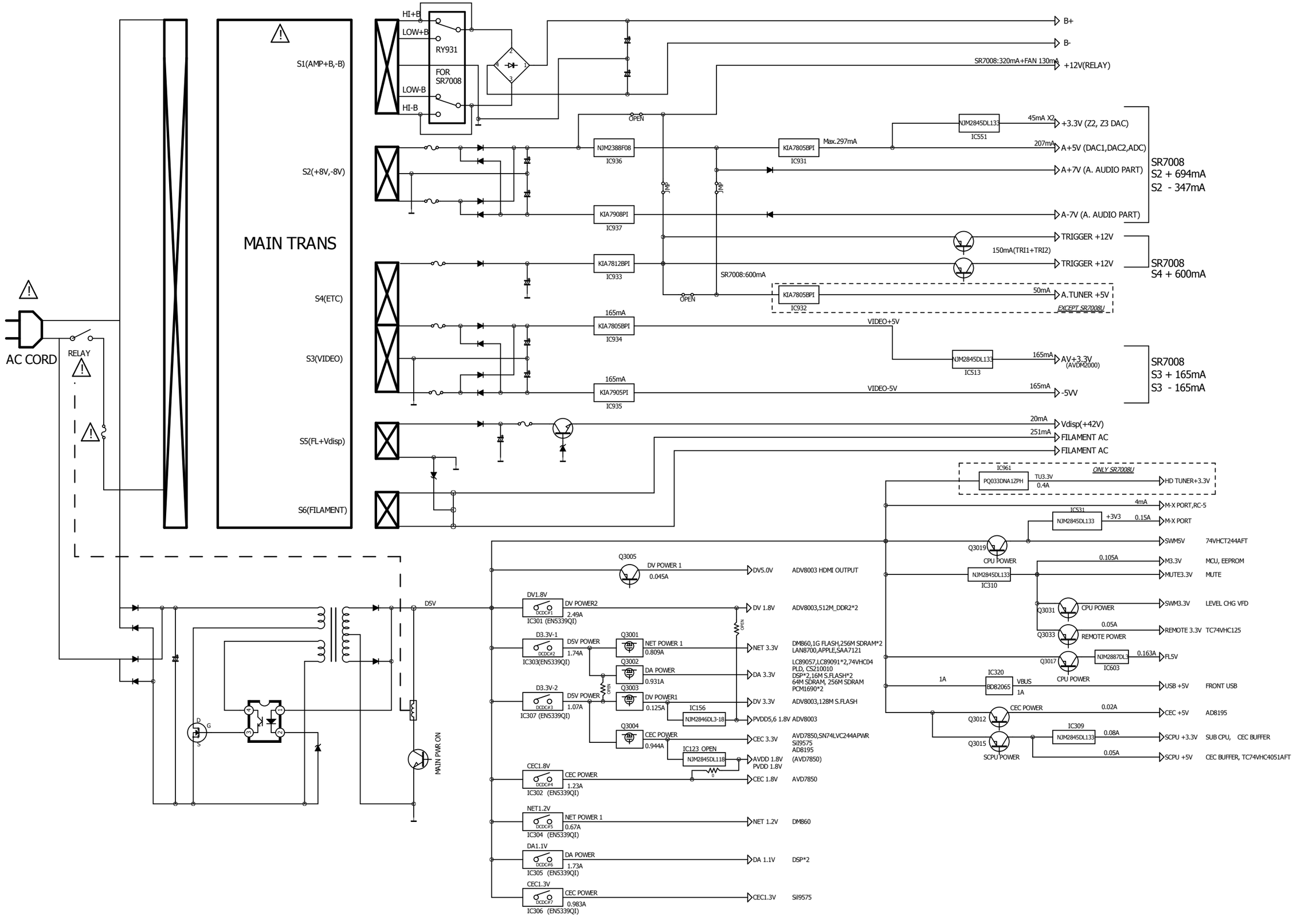


SR7008
LEVEL DIAGRAM
ZONE2/ZONE3

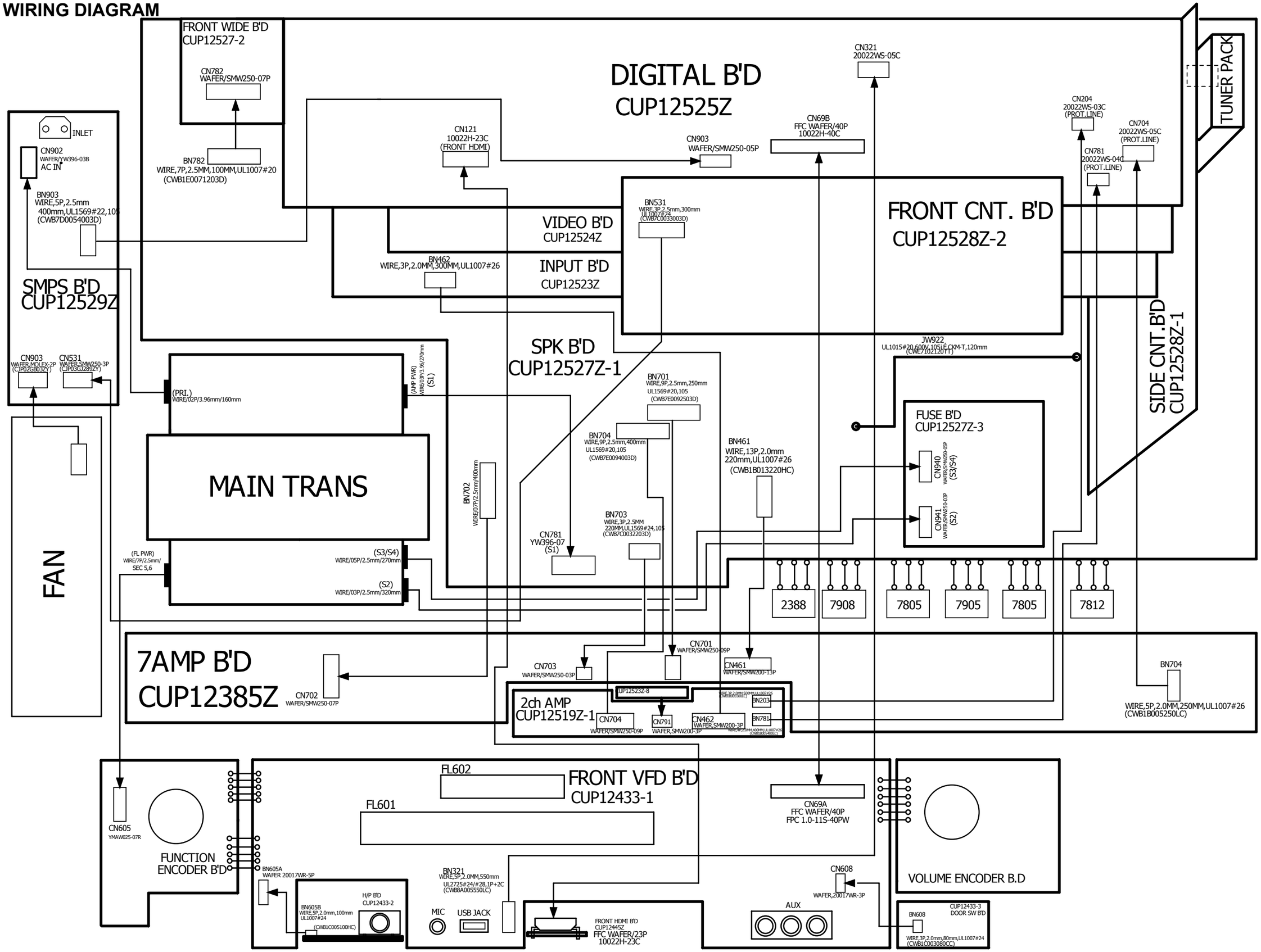




POWER DIAGRAM



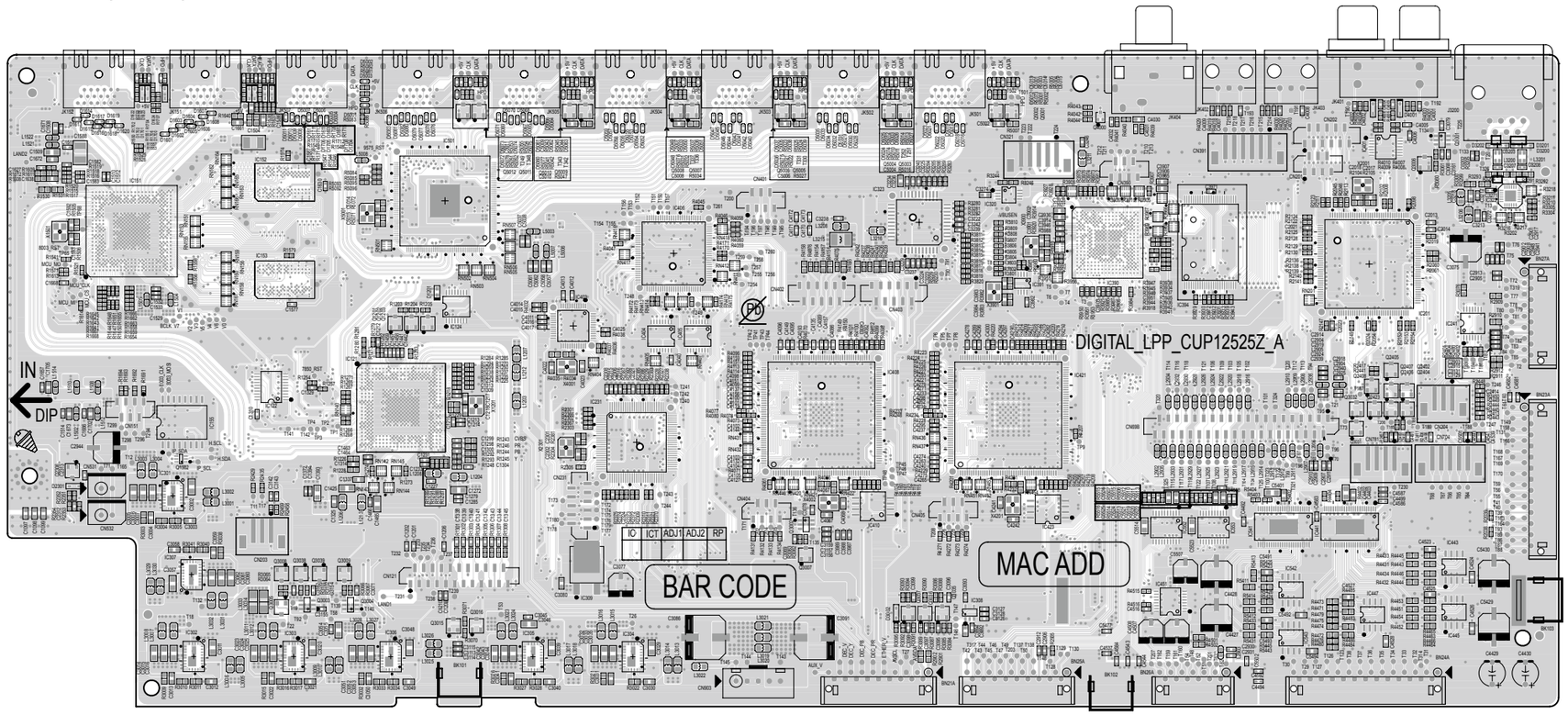
WIRING DIAGRAM



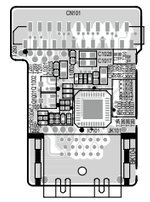
PRINTED WIRING BOARDS

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

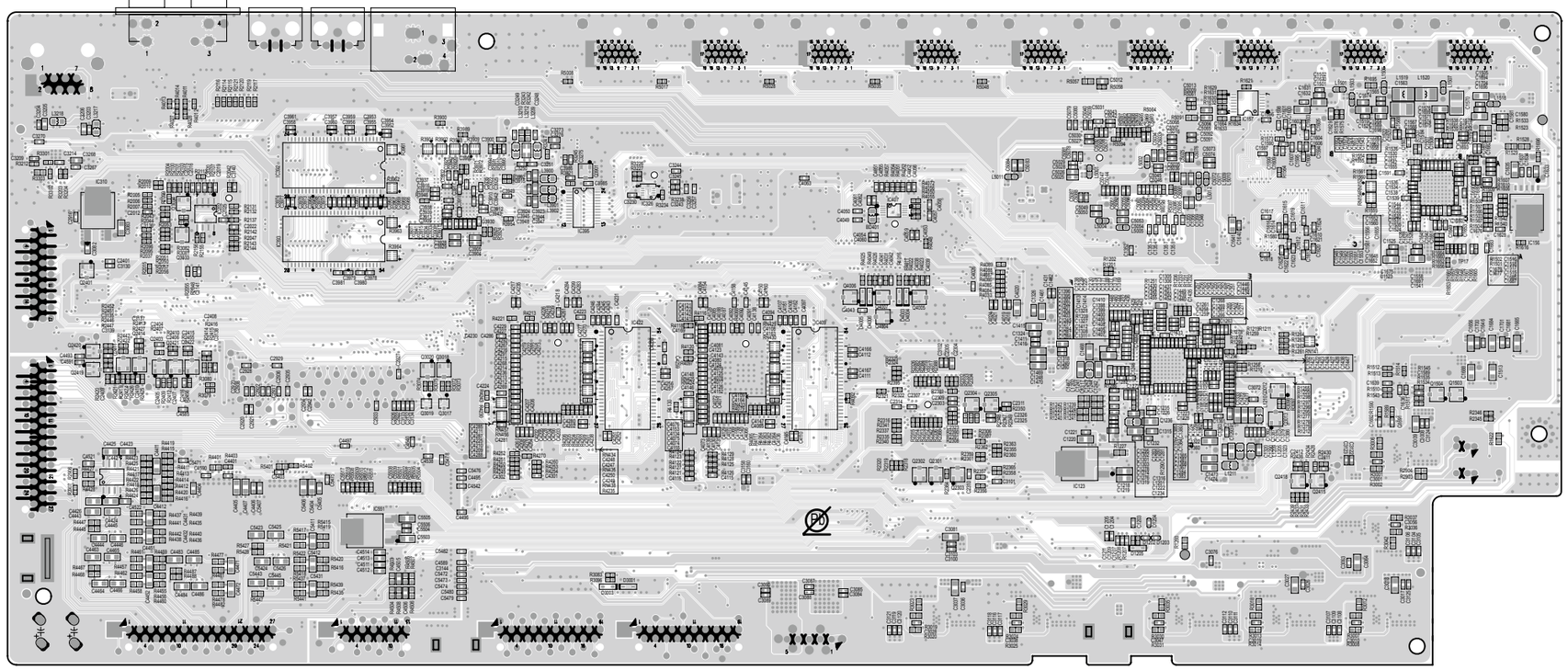
DIGITAL (A SIDE)



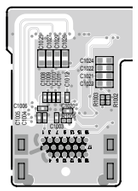
F-HDMI (A SIDE)
OPEN



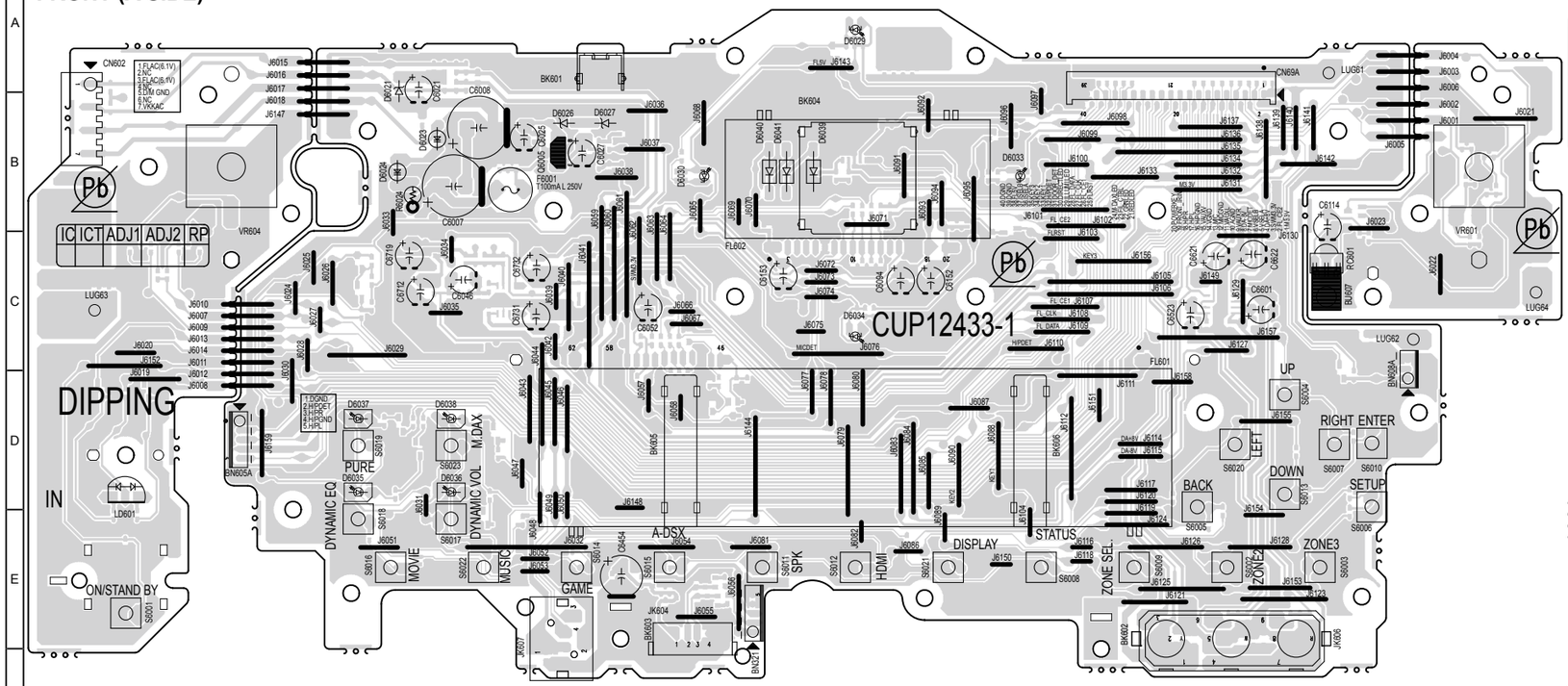
DIGITAL (B SIDE)



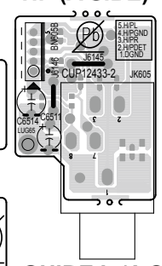
F-HDMI (B SIDE)
OPEN



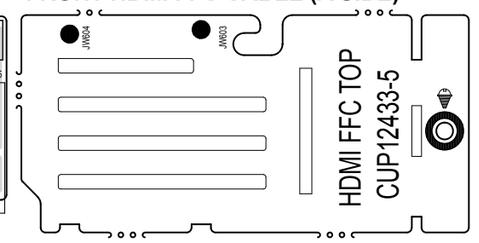
FRONT (A SIDE)



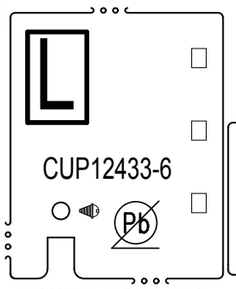
HP (A SIDE)



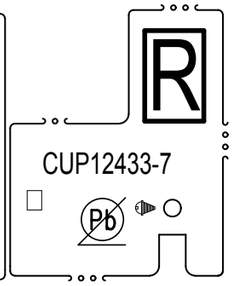
FRONT HDMI FFC CABLE (A SIDE)



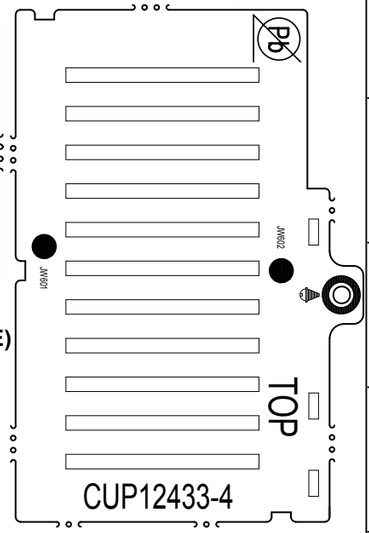
GUIDE L (A SIDE)



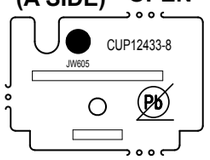
GUIDE R (A SIDE)



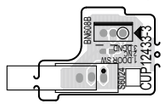
GUIDE FRONT FFC (A SIDE)



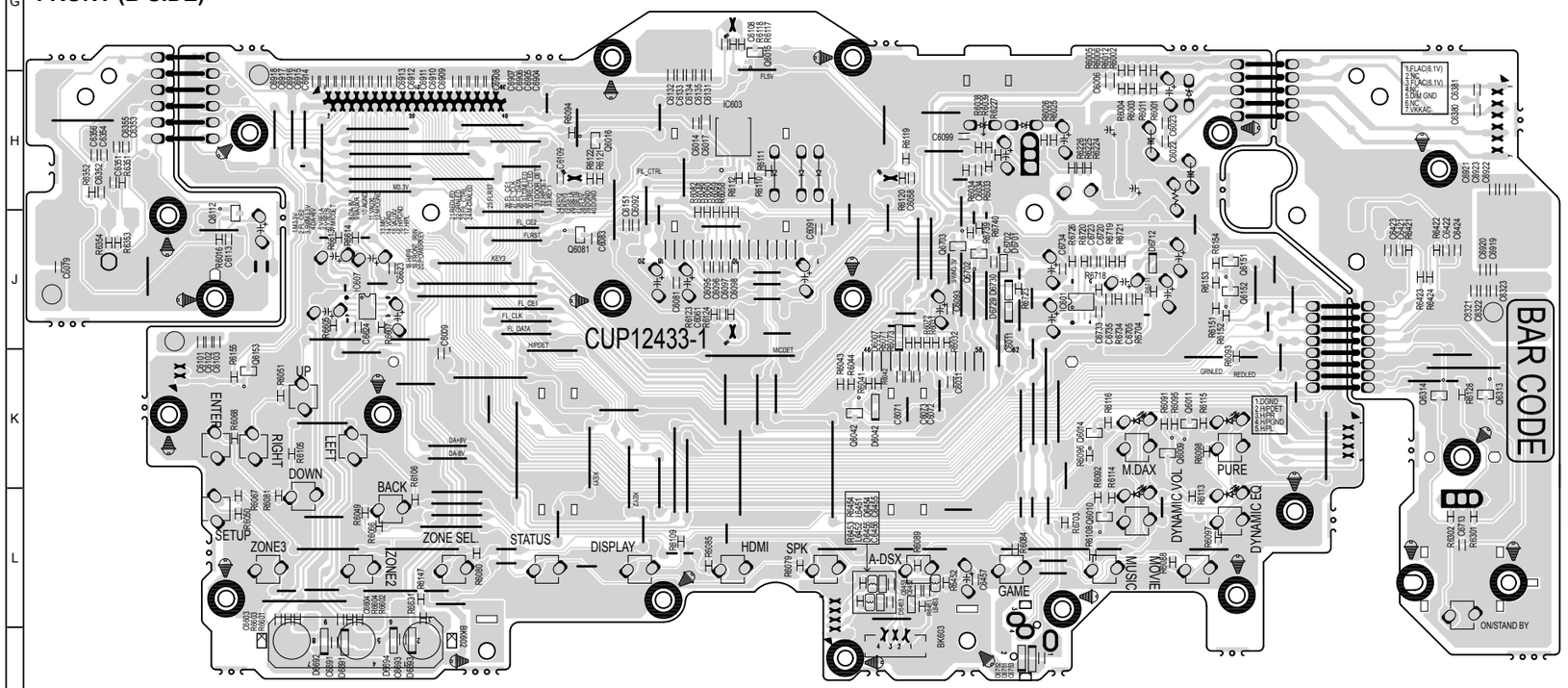
FRONT HDMI FFC (A SIDE) OPEN



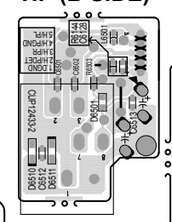
DOOR DET (A SIDE)



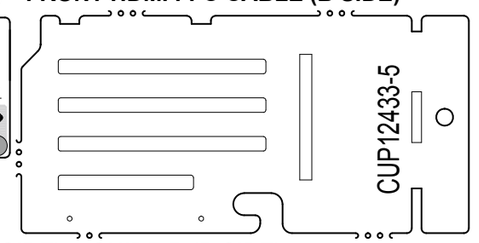
FRONT (B SIDE)



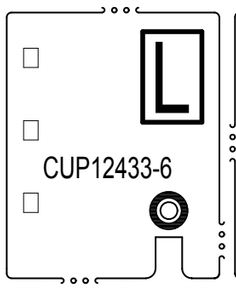
HP (B SIDE)



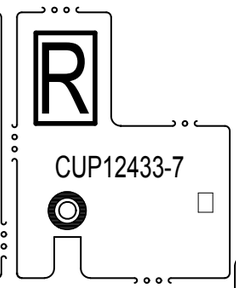
FRONT HDMI FFC CABLE (B SIDE)



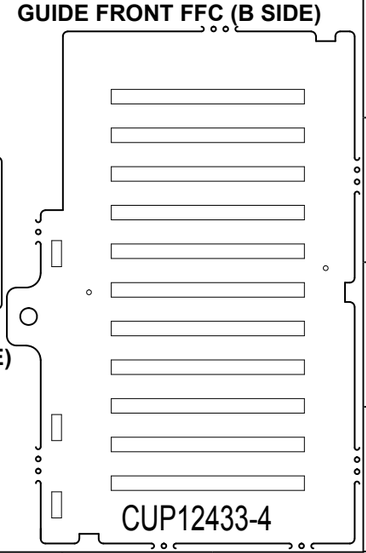
GUIDE L (B SIDE)



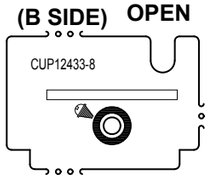
GUIDE R (B SIDE)



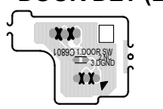
GUIDE FRONT FFC (B SIDE)



FRONT HDMI FFC (B SIDE) OPEN

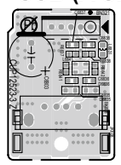


DOOR DET (B SIDE)



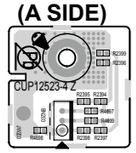
USB (A SIDE)

OPEN

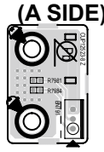


TRANS TEMP (A SIDE)

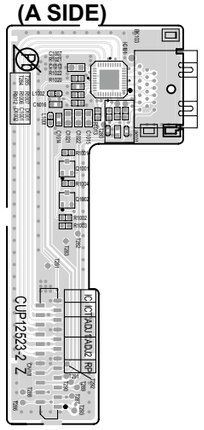
OPEN



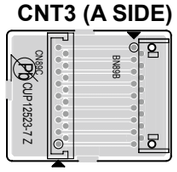
HS TEMP (A SIDE)



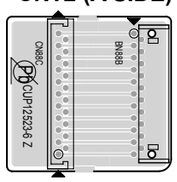
F-HDMI (A SIDE)



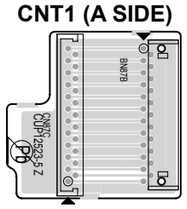
CNT3 (A SIDE)



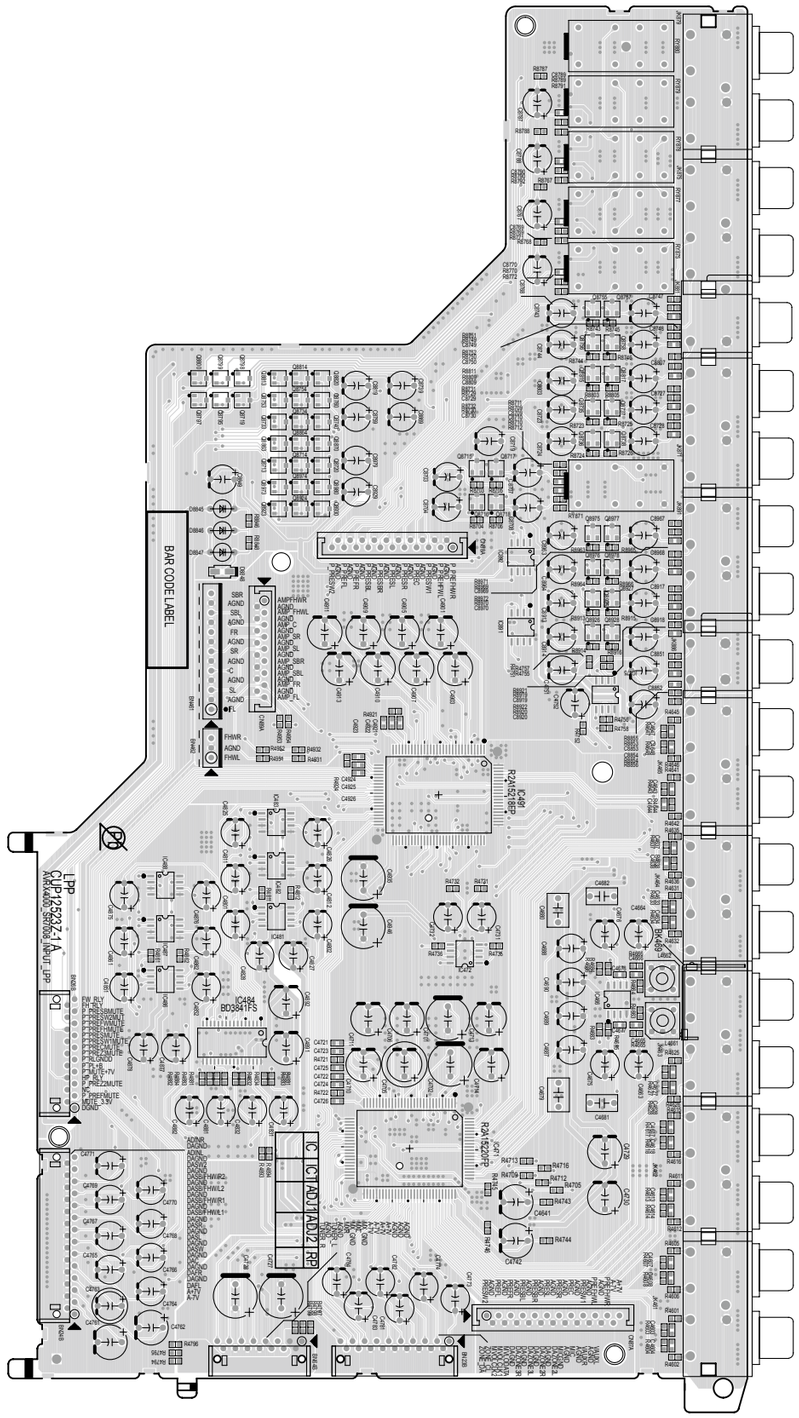
CNT2 (A SIDE)



CNT1 (A SIDE)

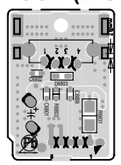


INPUT (A SIDE)



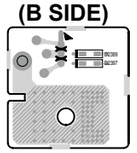
USB (B SIDE)

OPEN

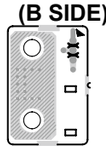


TRANS TEMP (B SIDE)

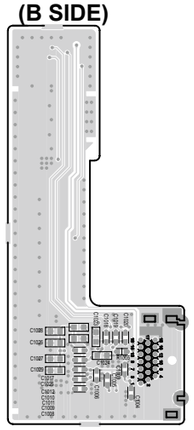
OPEN



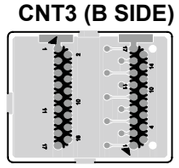
HS TEMP (B SIDE)



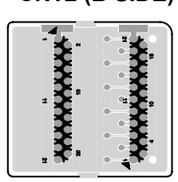
F-HDMI (B SIDE)



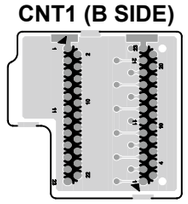
CNT3 (B SIDE)



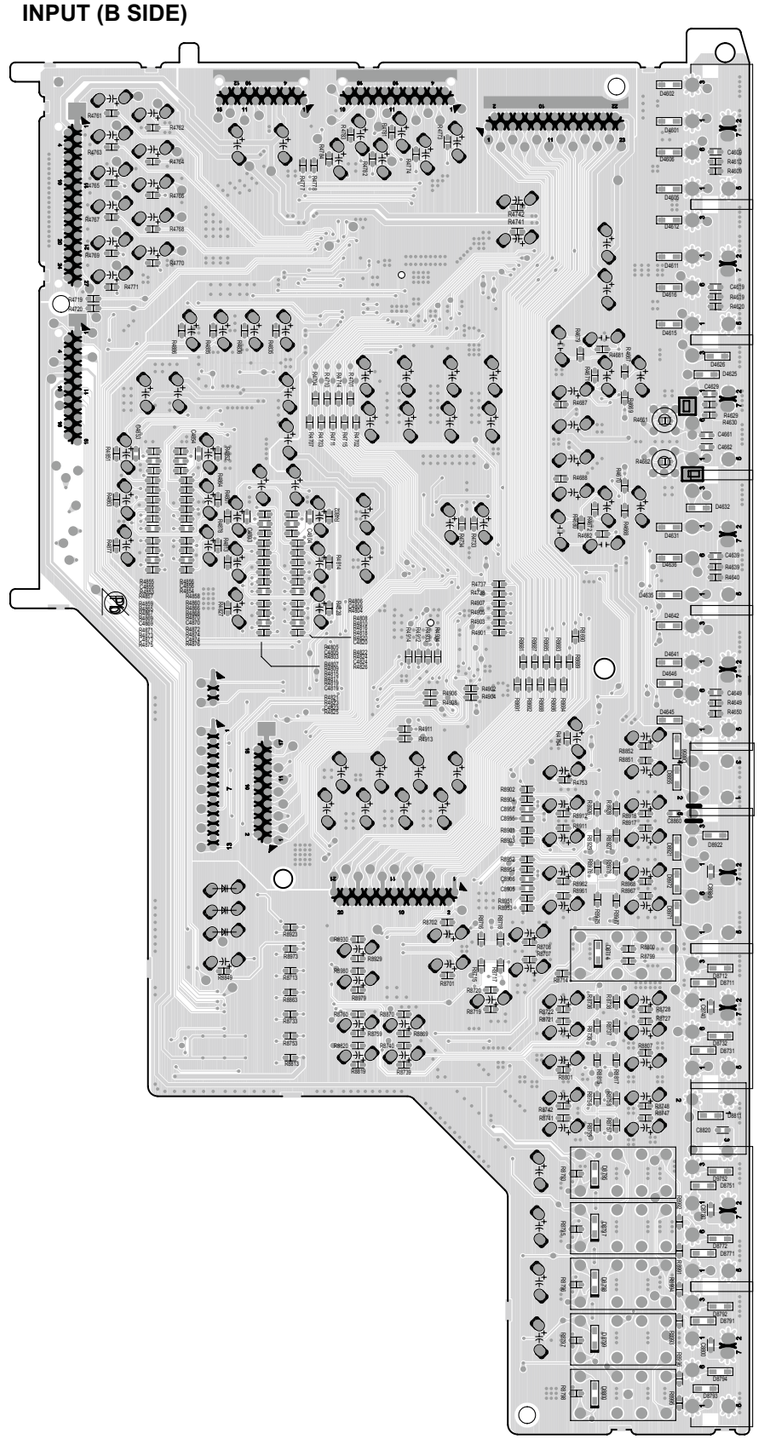
CNT2 (B SIDE)



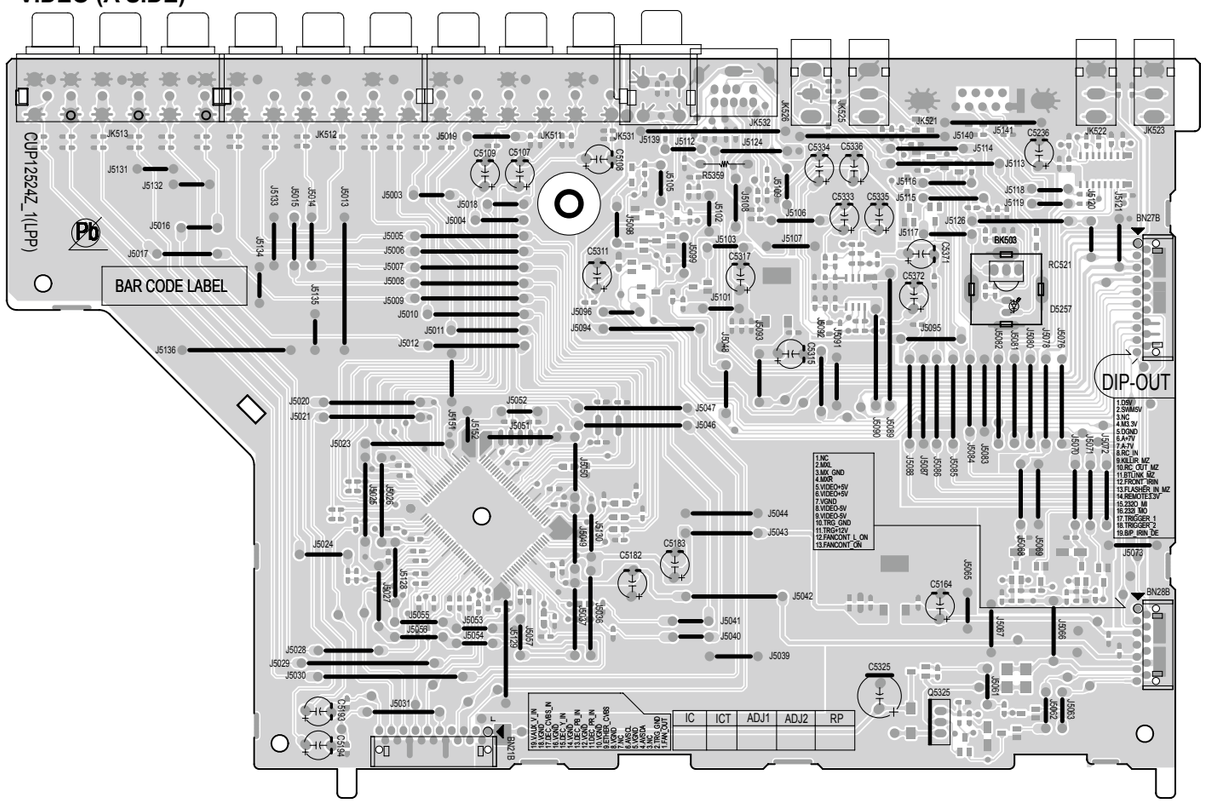
CNT1 (B SIDE)



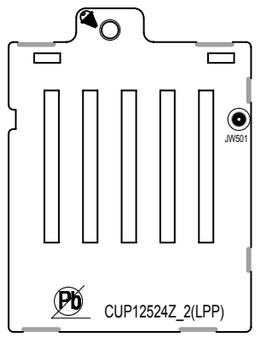
INPUT (B SIDE)



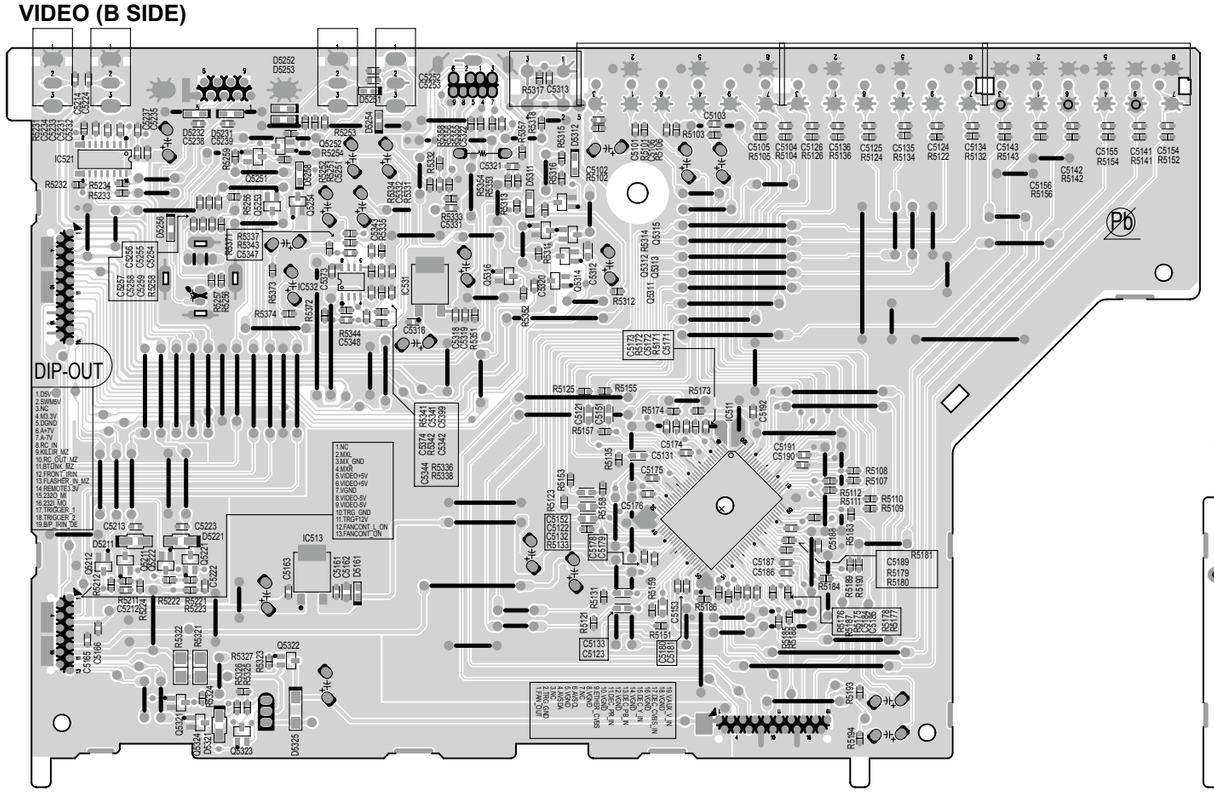
VIDEO (A SIDE)



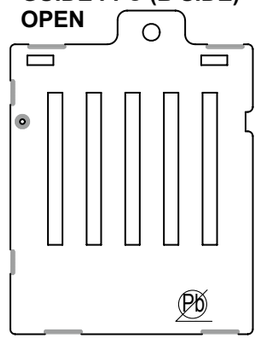
GUIDE FFC (A SIDE)
OPEN



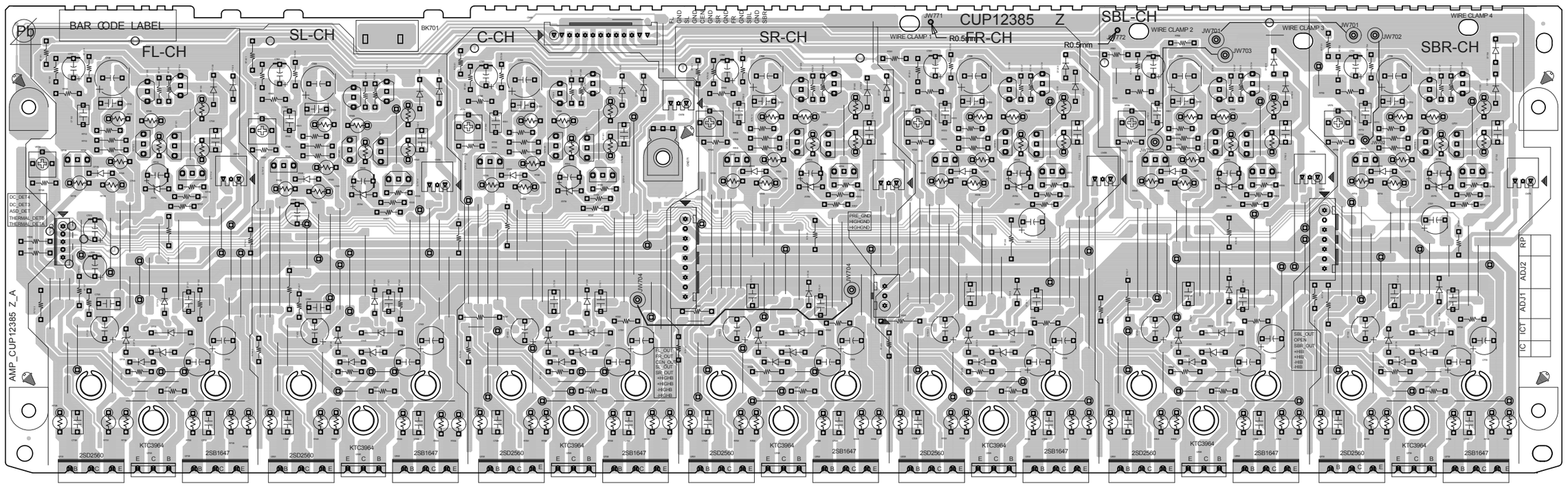
VIDEO (B SIDE)



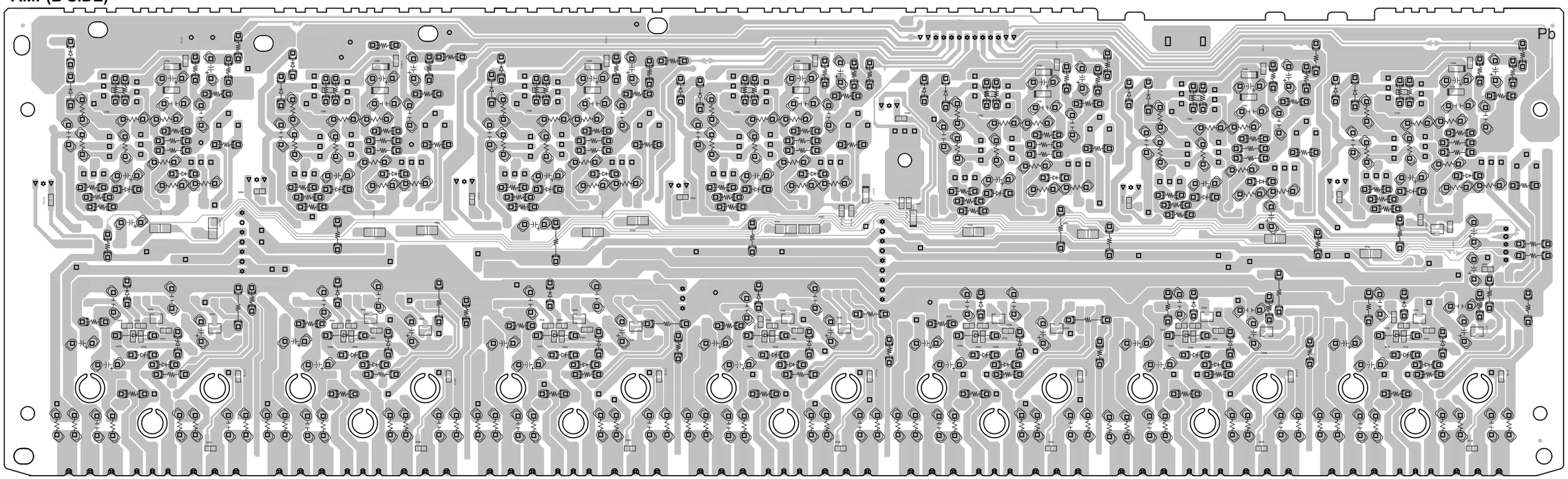
GUIDE FFC (B SIDE)
OPEN



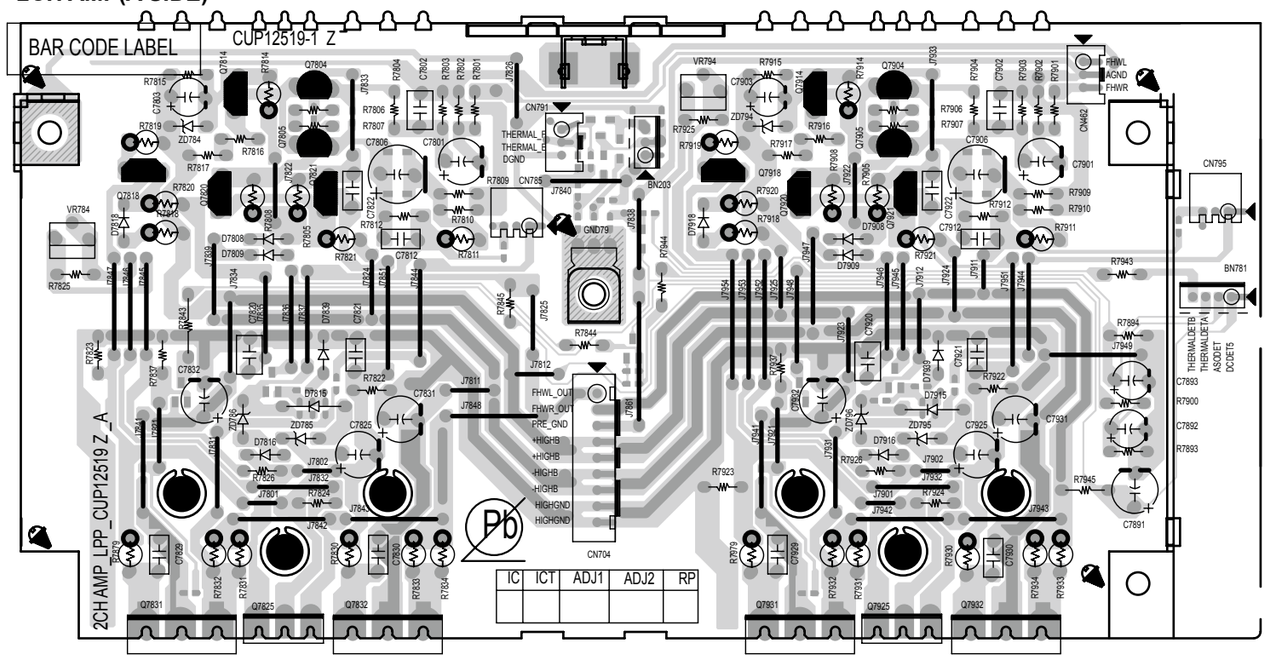
AMP(A SIDE)



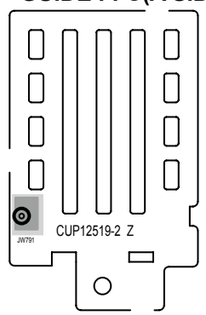
AMP(B SIDE)



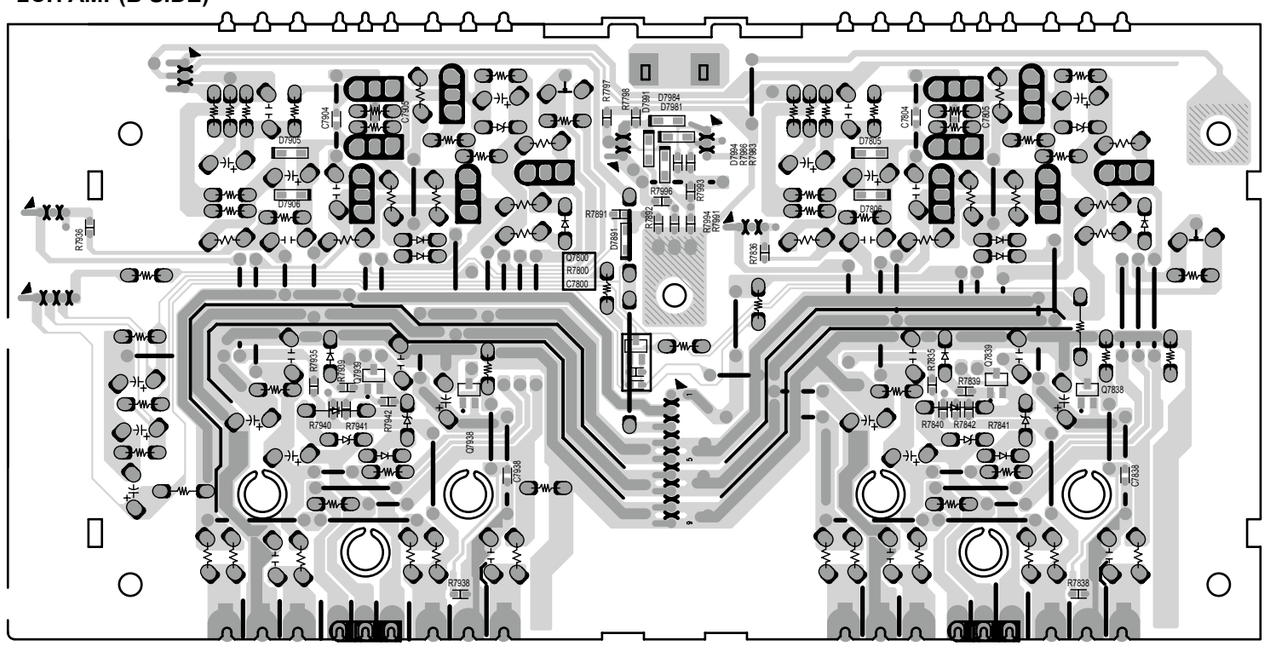
2CH AMP(A SIDE)



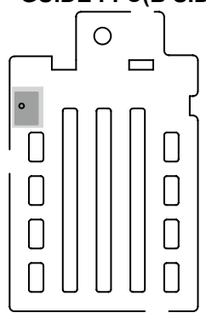
GUIDE FFC(A SIDE)



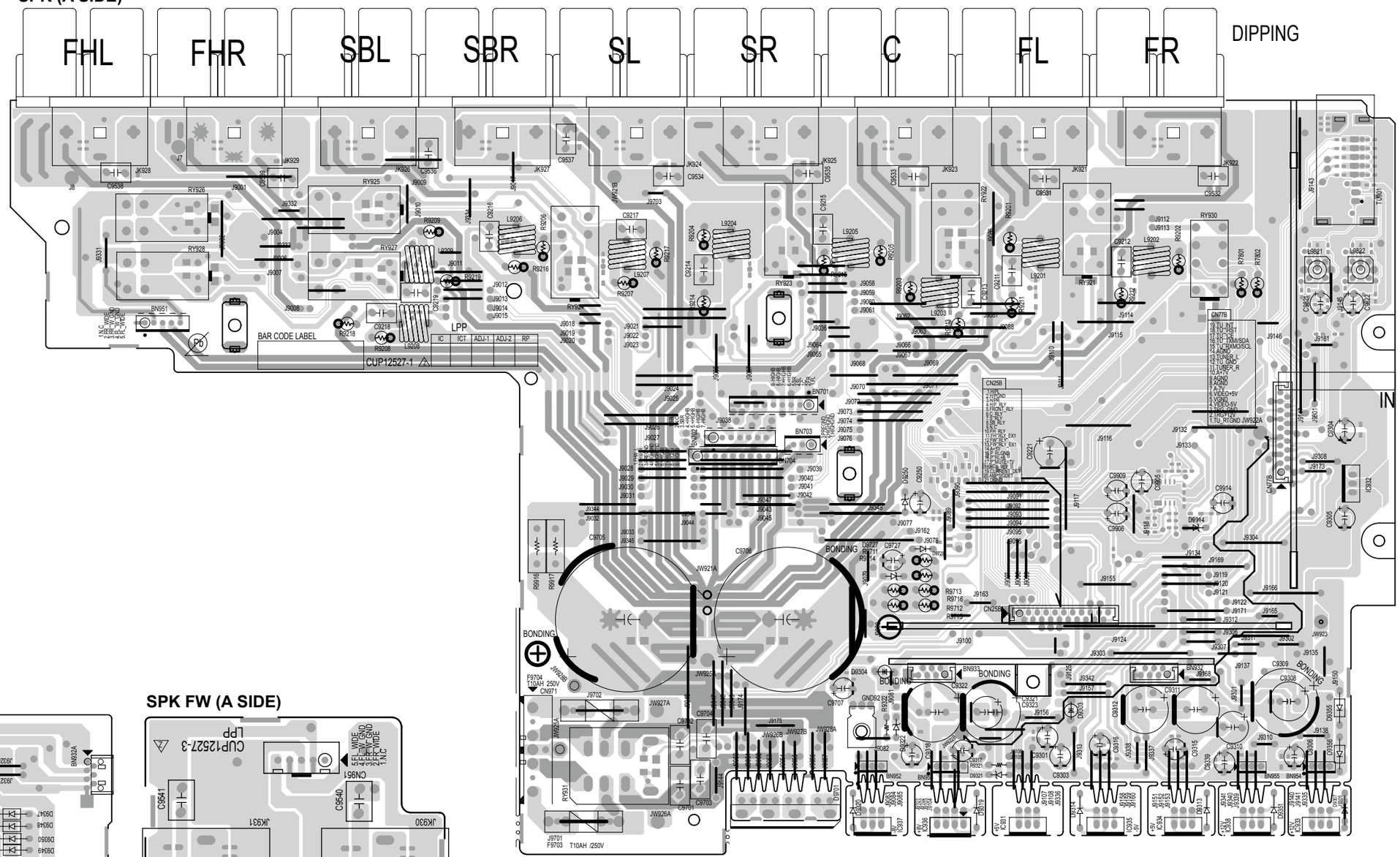
2CH AMP(B SIDE)



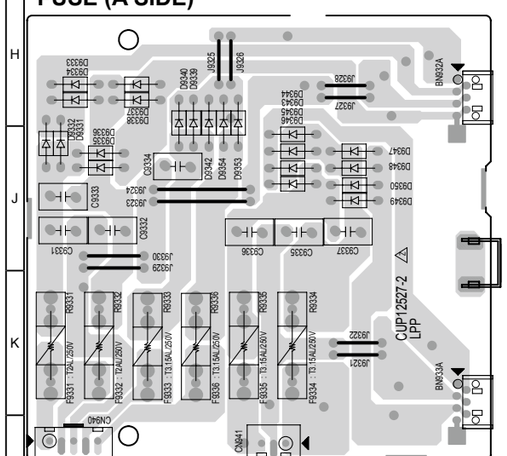
GUIDE FFC(B SIDE)



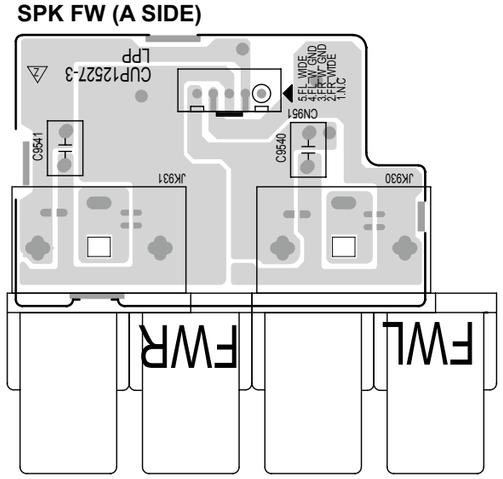
SPK (A SIDE)



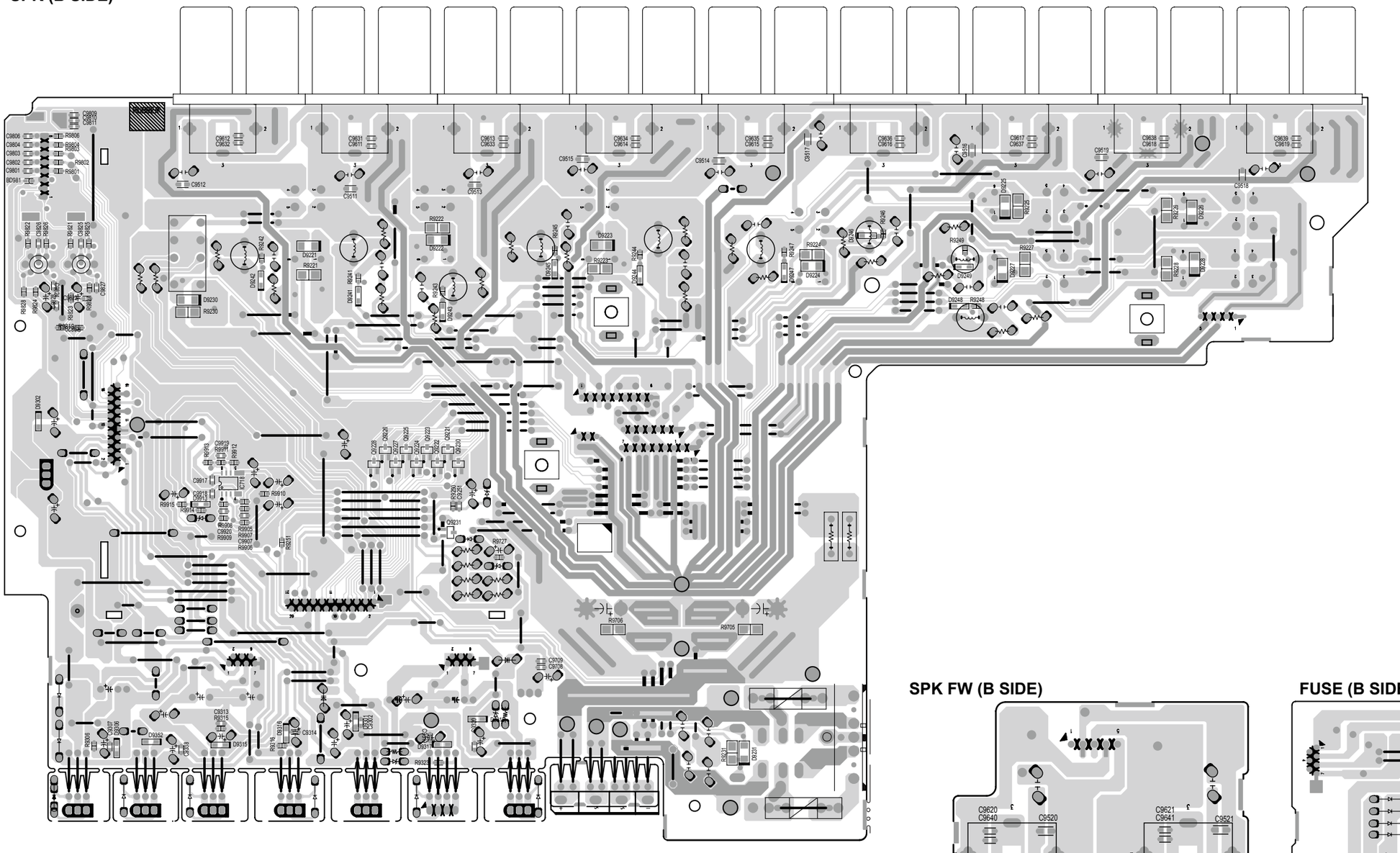
FUSE (A SIDE)



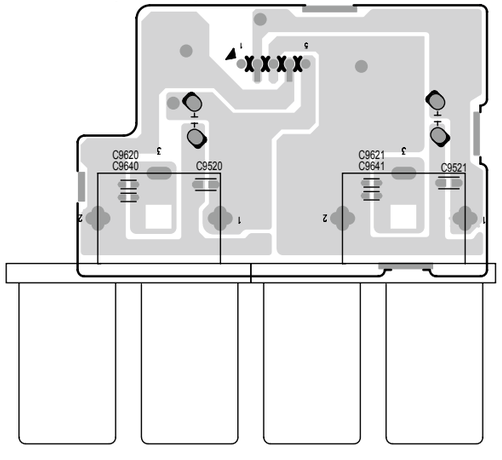
SPK FW (A SIDE)



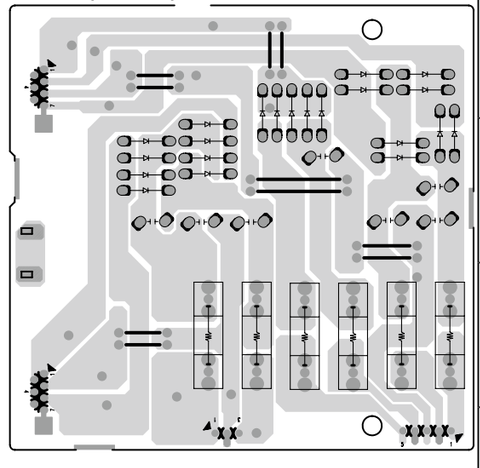
SPK (B SIDE)



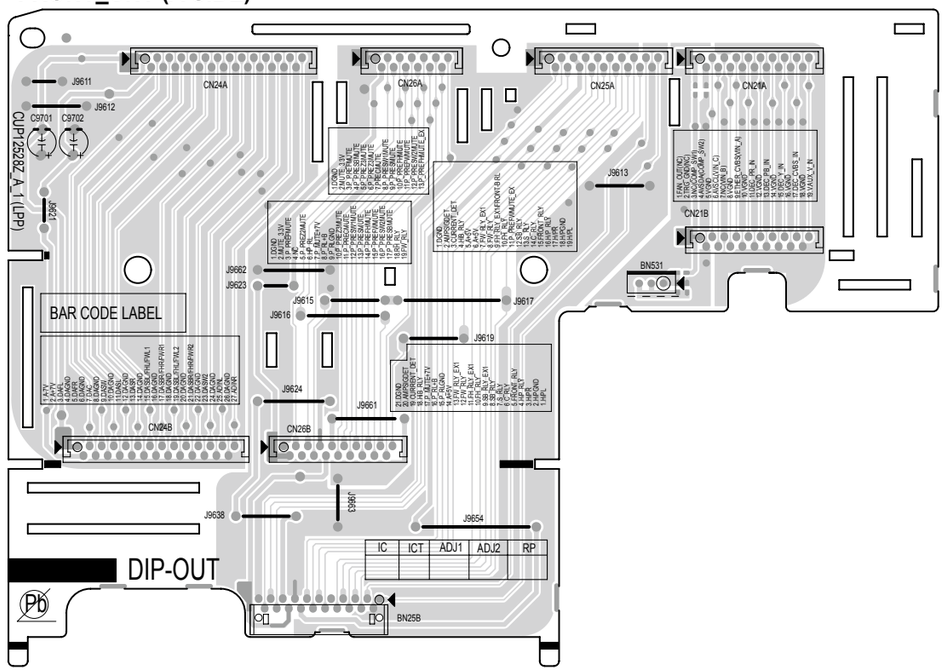
SPK FW (B SIDE)



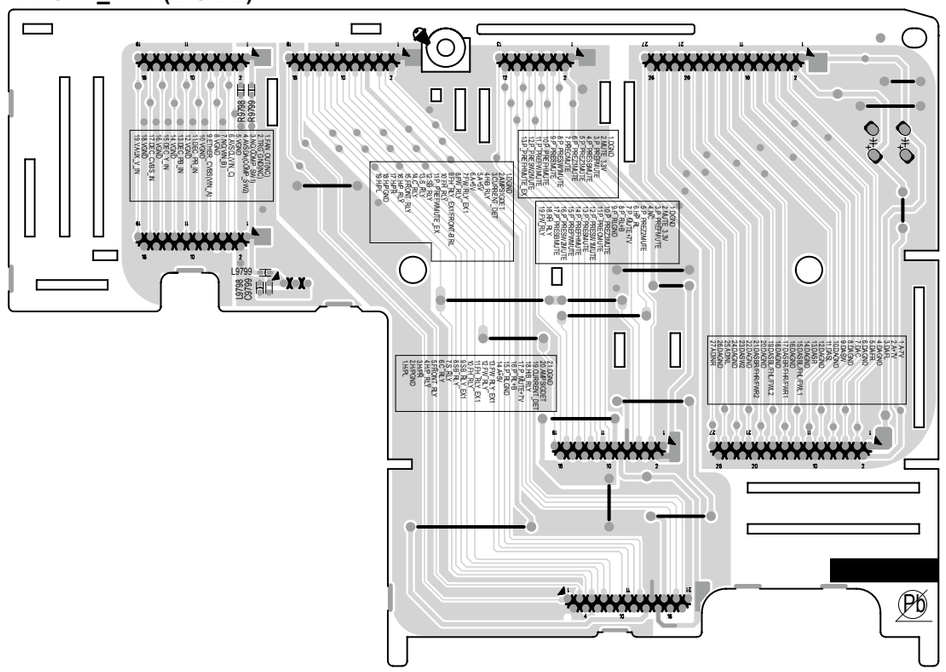
FUSE (B SIDE)



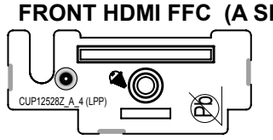
FRONT_CNT (A SIDE)



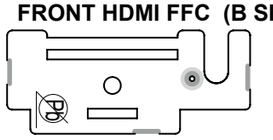
FRONT_CNT (B SIDE)



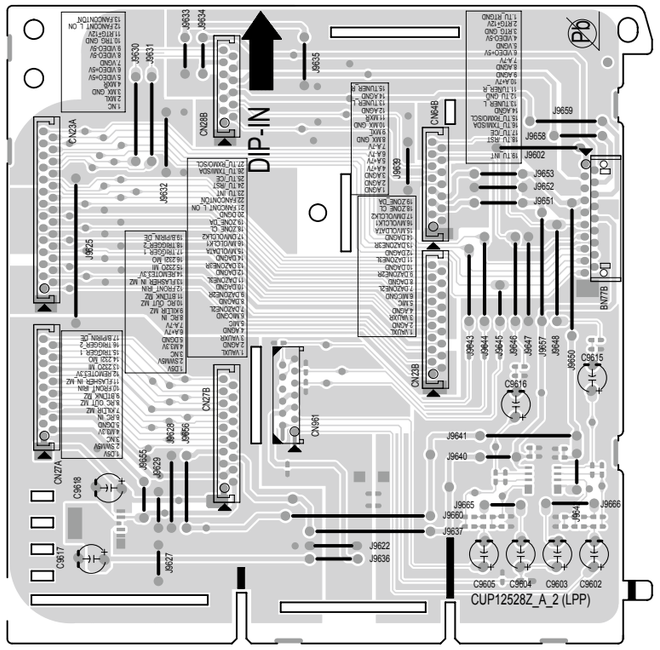
FRONT HDMI FFC (A SIDE)



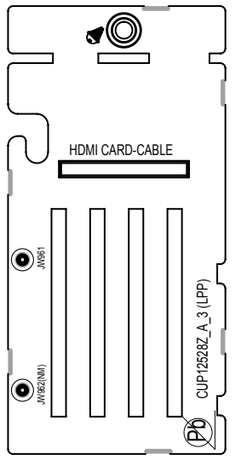
FRONT HDMI FFC (B SIDE)



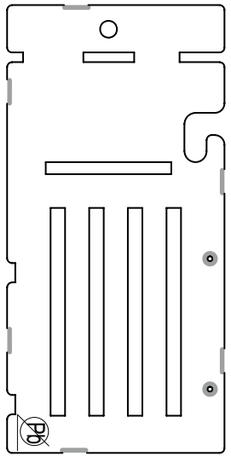
SIDE_CNT (A SIDE)



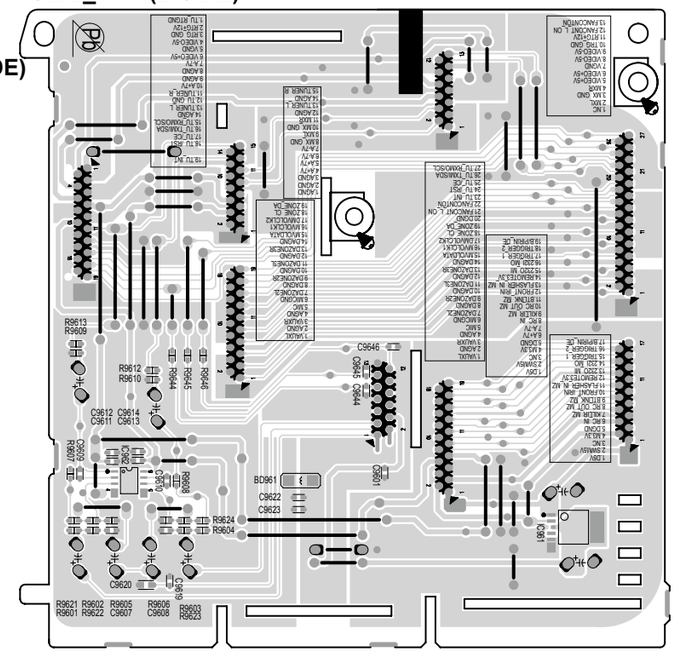
HDMI CARD-CABLE (A SIDE)



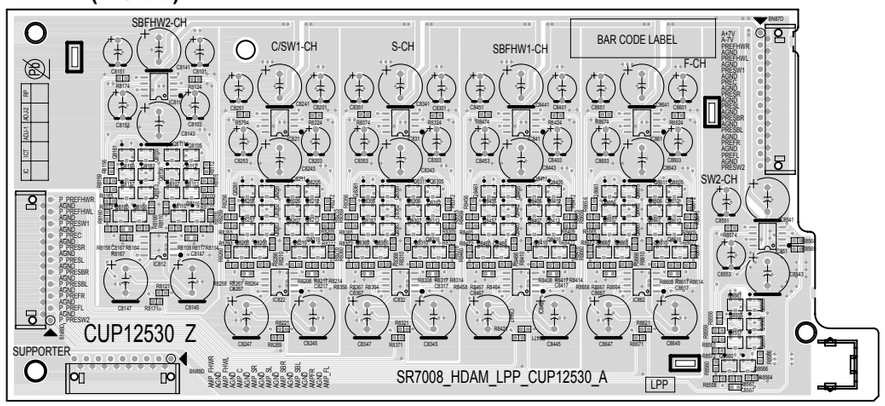
HDMI CARD-CABLE (B SIDE)



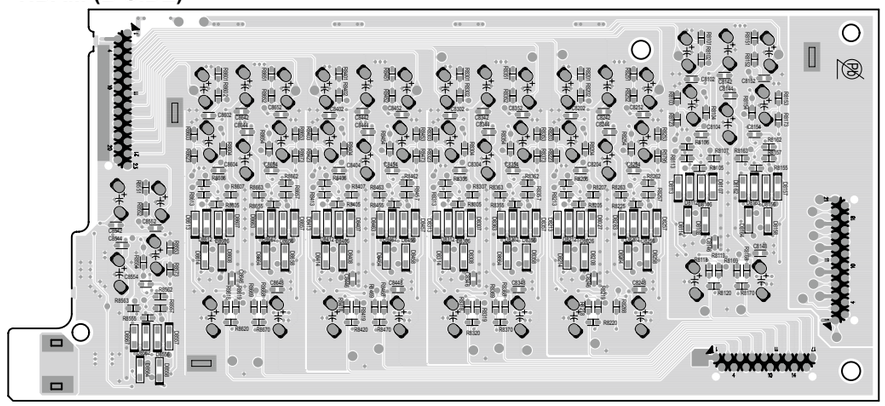
SIDE_CNT (B SIDE)



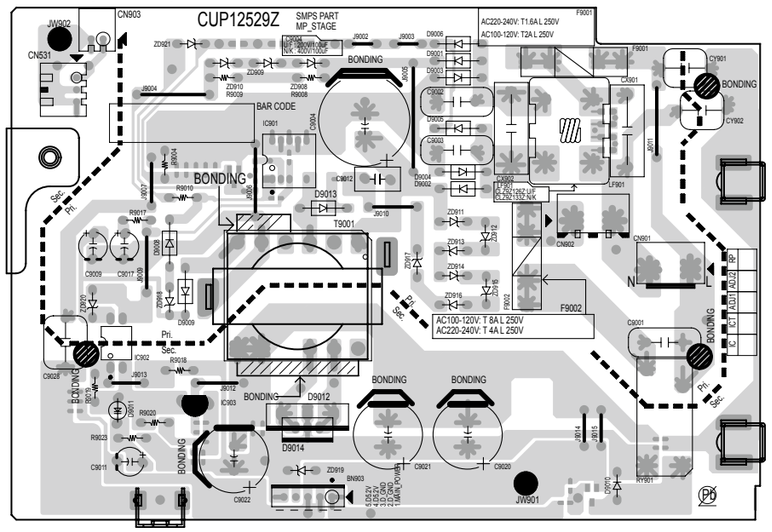
HDAM (A SIDE)



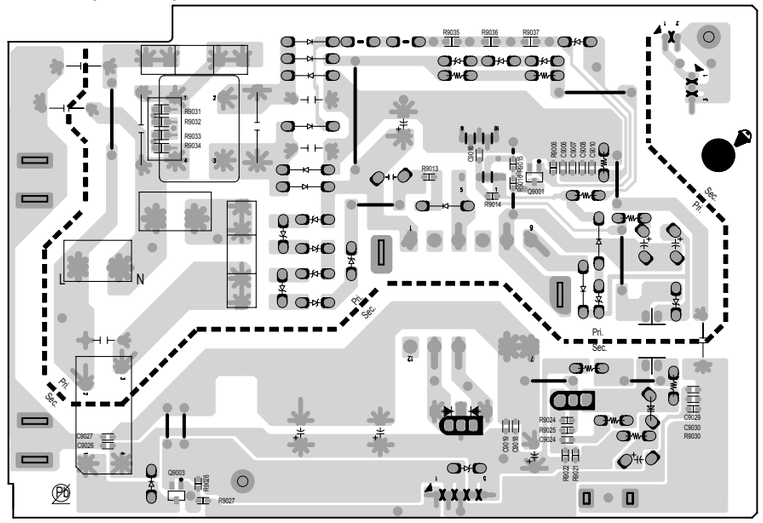
HDAM (B SIDE)

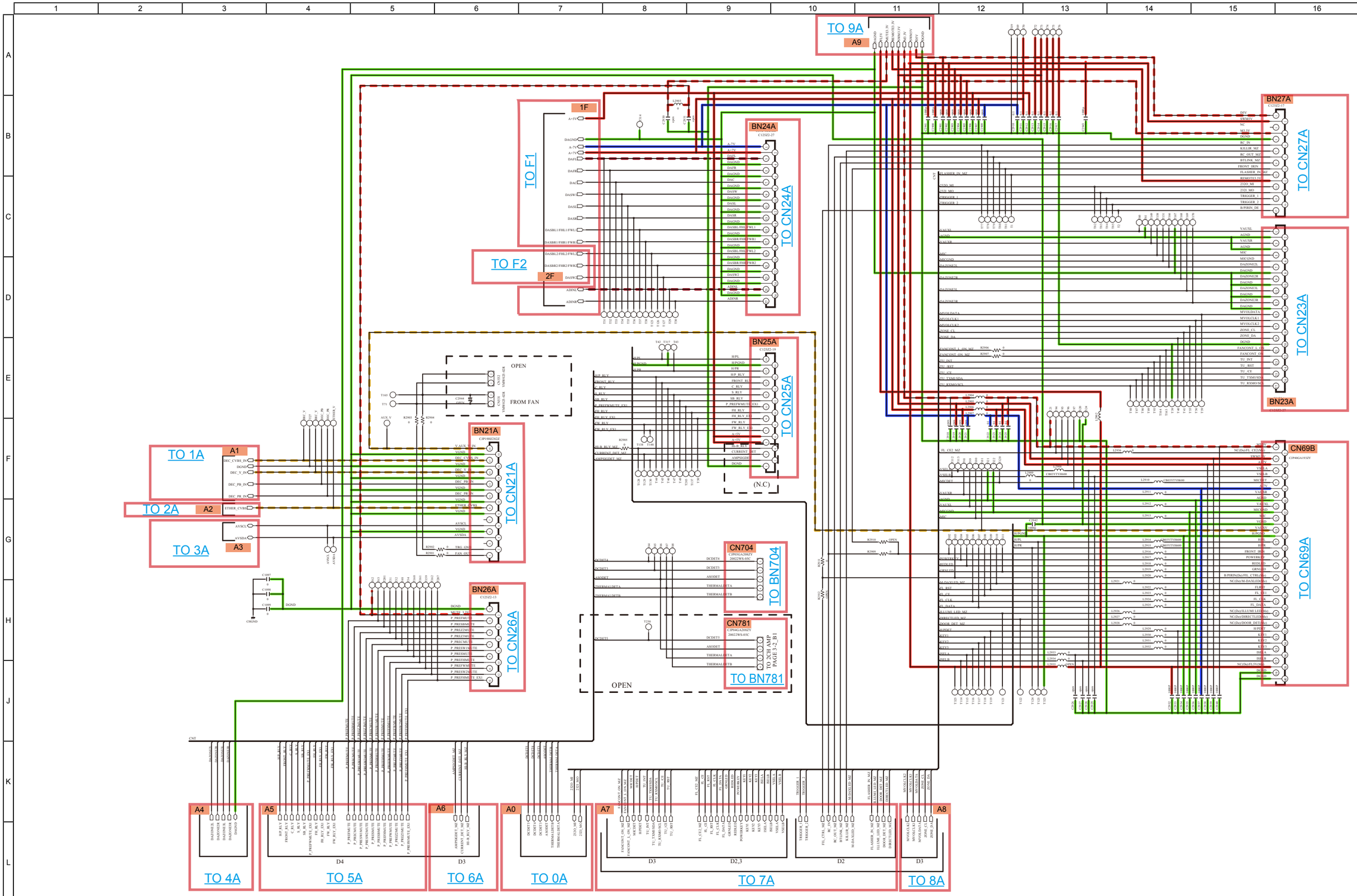


SMPS (A SIDE)



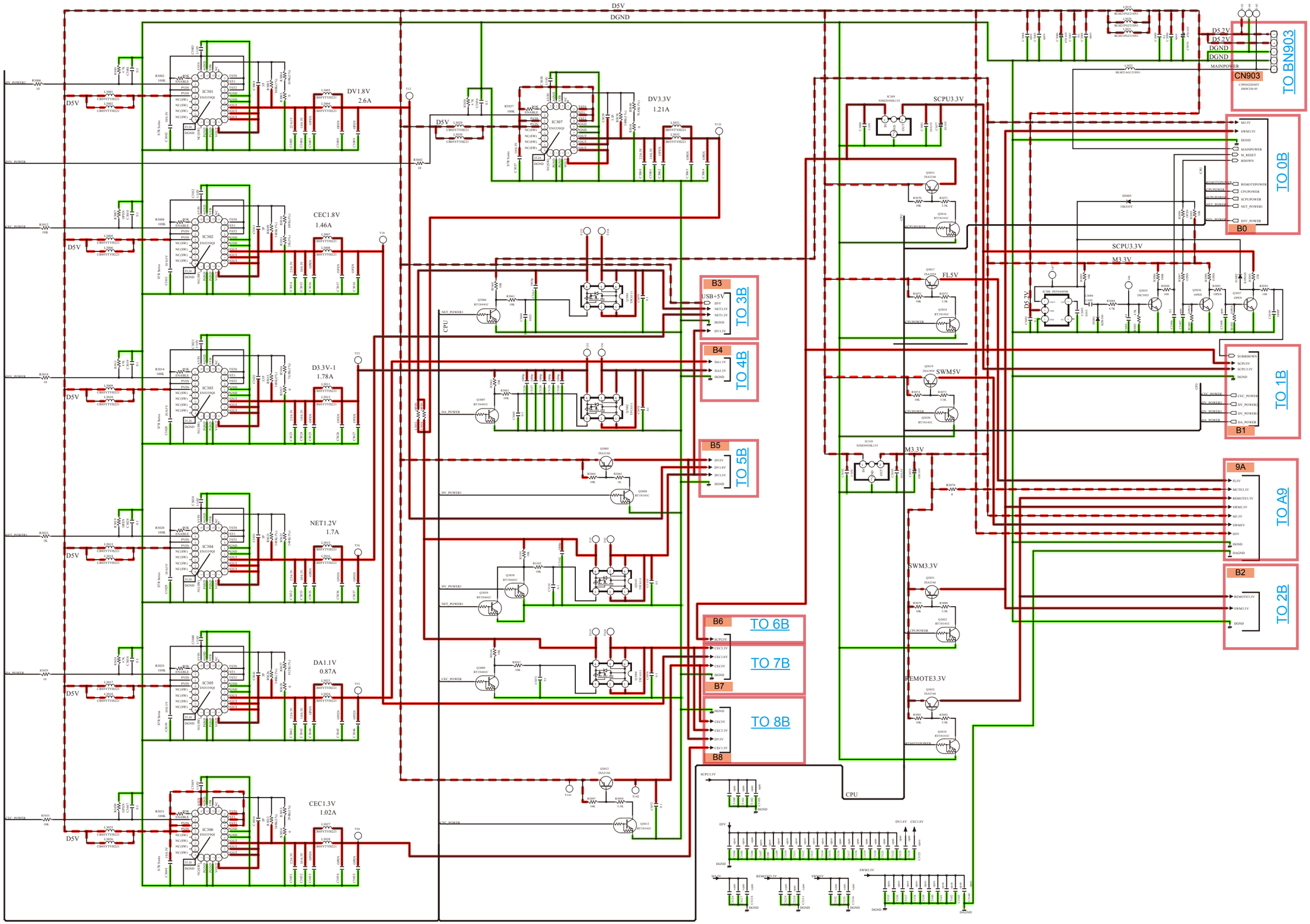
SMPS (B SIDE)



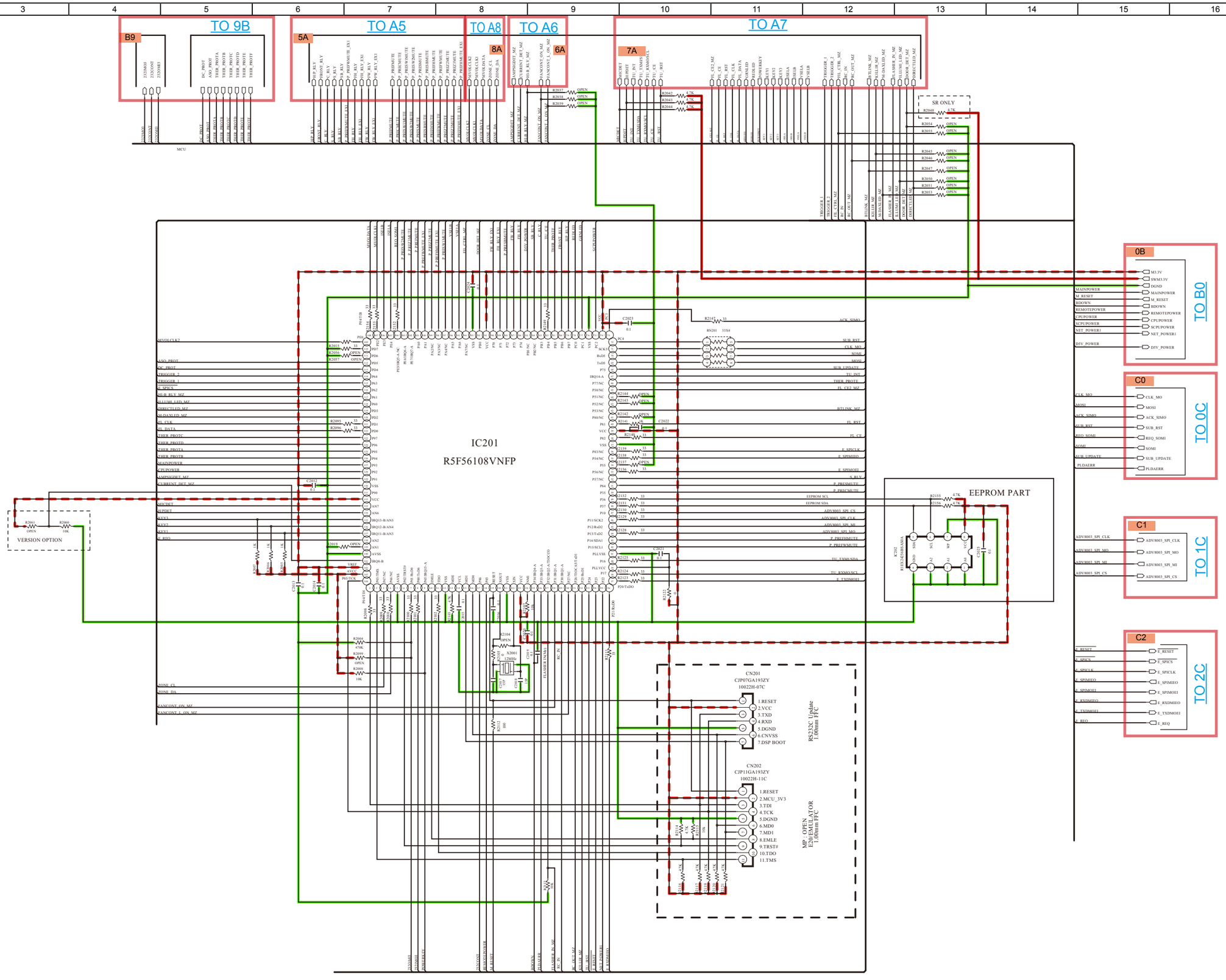


SCHEMATIC DIAGRAMS (1/35)

SCH01_DIG_CONNECT

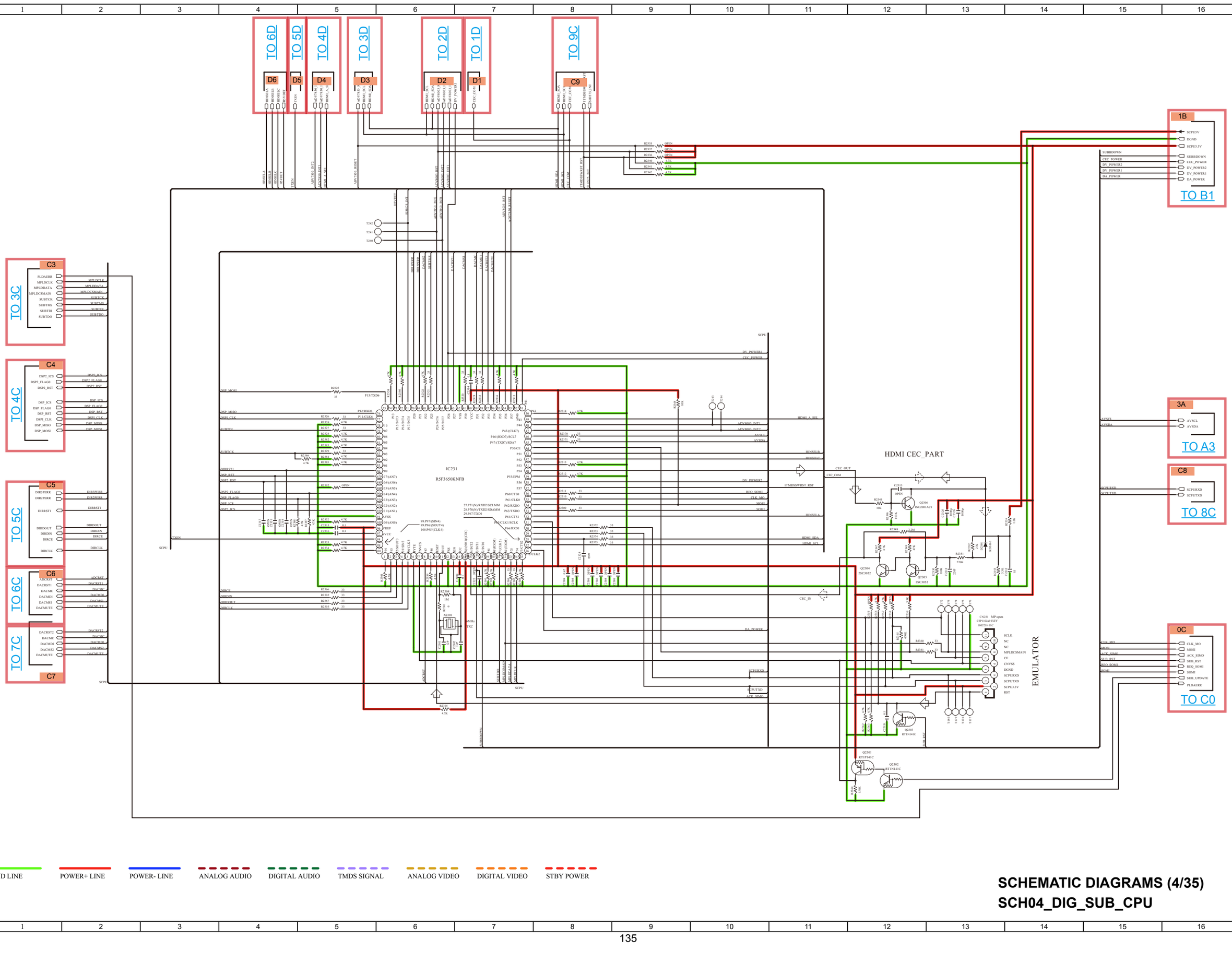


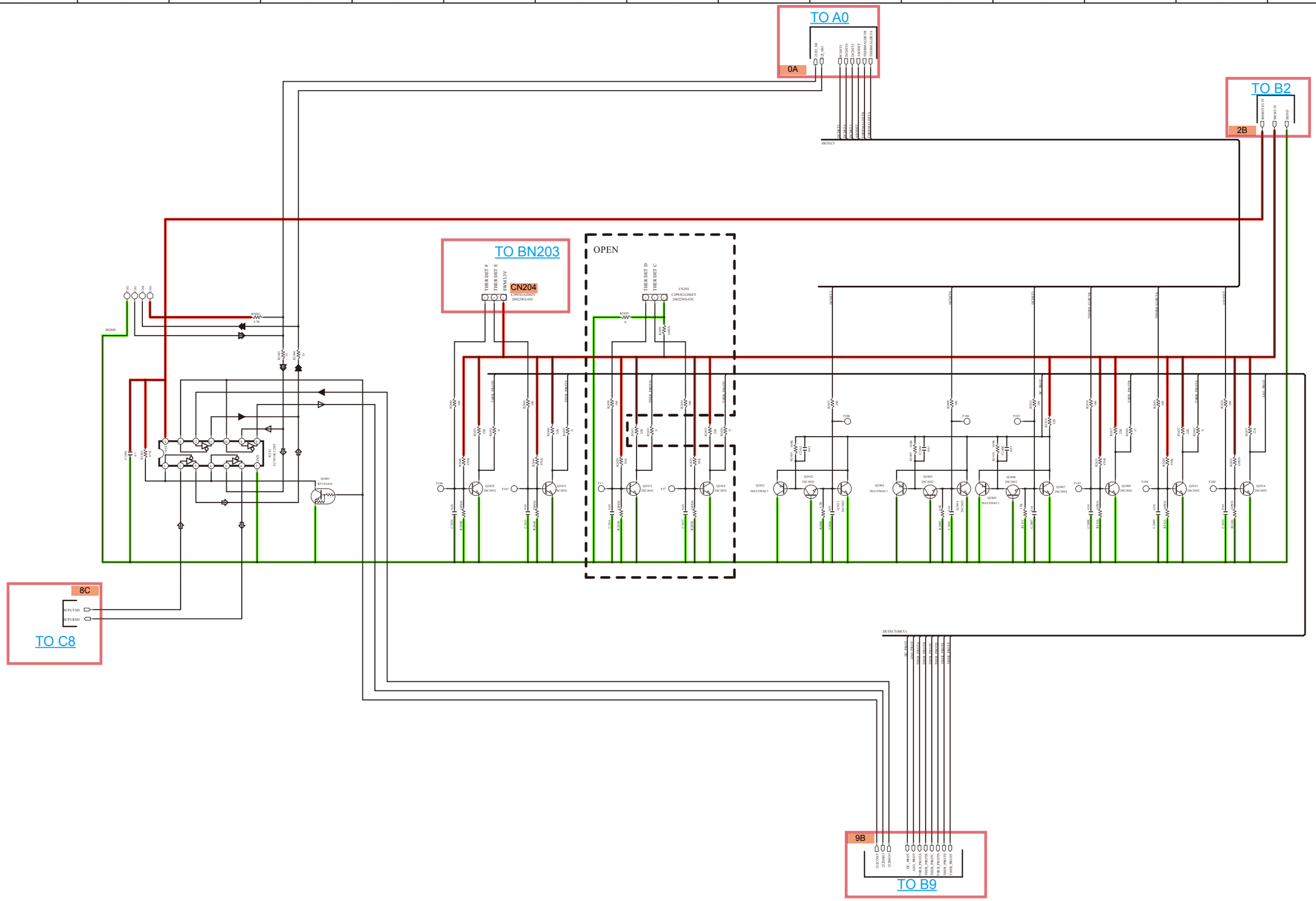
SCHEMATIC DIAGRAMS (2/35)
SCH02_DIG_POWER



VER.	R2060 (Kohm)	R2061 (Kohm)	Vin (V)
U1B(USA)	0	OPEN	0
K1B(CHINA)	10	10	1.65
FB(JAPAN)	22	10	2.27
N1B(EUR)/ N1B(AP)	OPEN	0	3.3

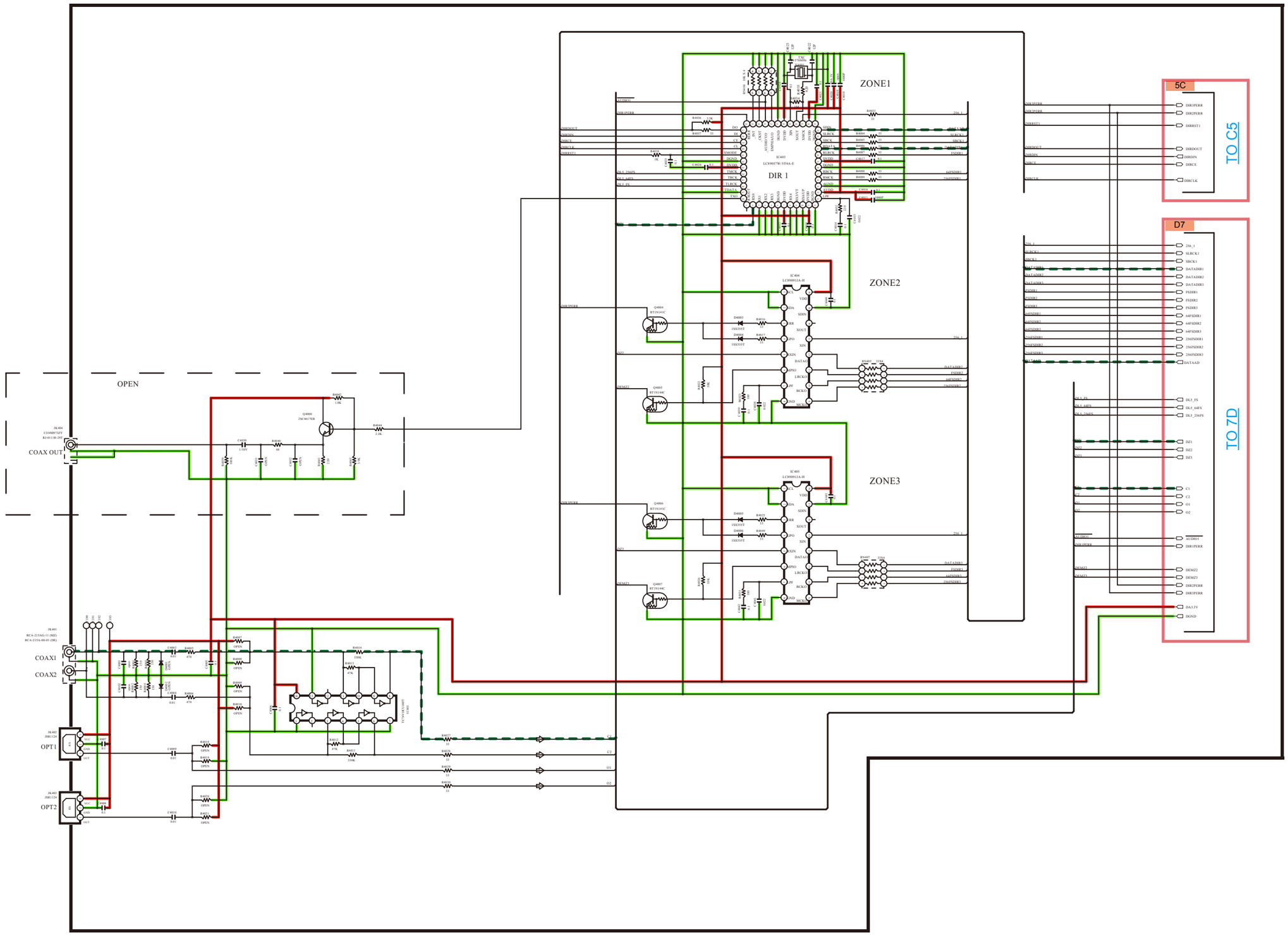
SCHEMATIC DIAGRAMS (3/35)
SCH03_DIG_MAIN_CPU


TO 6D
TO 5D
TO 4D
TO 3D
TO 2D
TO 1D
TO 9C
D6
D5
D4
D3
D2
D1
C9
1B
SCPU3V
DGND
SCPU3.3V
SUBBDOWN
CEC_POWER
DV_POWER2
DV_POWER1
DA_POWER
TO B1
3A
AVSCL
AVSDA
TO A3
C8
SCPURXD
SCPUTXD
TO 8C
0C
CLK_MO
MOSI
ACK_SIMO
SUB_RST
REQ_SOMI
SOMI
SUB_UPDATE
PLDAERR
TO C0
TO 3C
C3
TO 4C
C4
TO 5C
C5
TO 6C
C6
TO 7C
C7
IC231
R5F3650KNFB
HDMI CEC_PART
EMULATOR
SCPU
DV_POWER1
CEC_POWER
DV_POWER2
1TMDSSWRST_RST
HDMI_SDA
HDMI_SCL
CEC_COM
CEC_OUT
CEC_IN
DA_POWER
SCPURXD
SCPUTXD
ACK_SIMO
SUB_RST
HDMI_A_SET
ADV8003_INT1
ADV8003_INT2
HINSELB
HINSELC
HINSELA
REQ_SOMI
CLK_MO
MOSI
SOMI
SCLK
NC
NC
MPLDCSMAIN
CE
CNVSS
DGND
SCPURXD
SCPUTXD
SCPU3.3V
RST
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER
SCHEMATIC DIAGRAMS (4/35)
SCH04_DIG_SUB_CPU



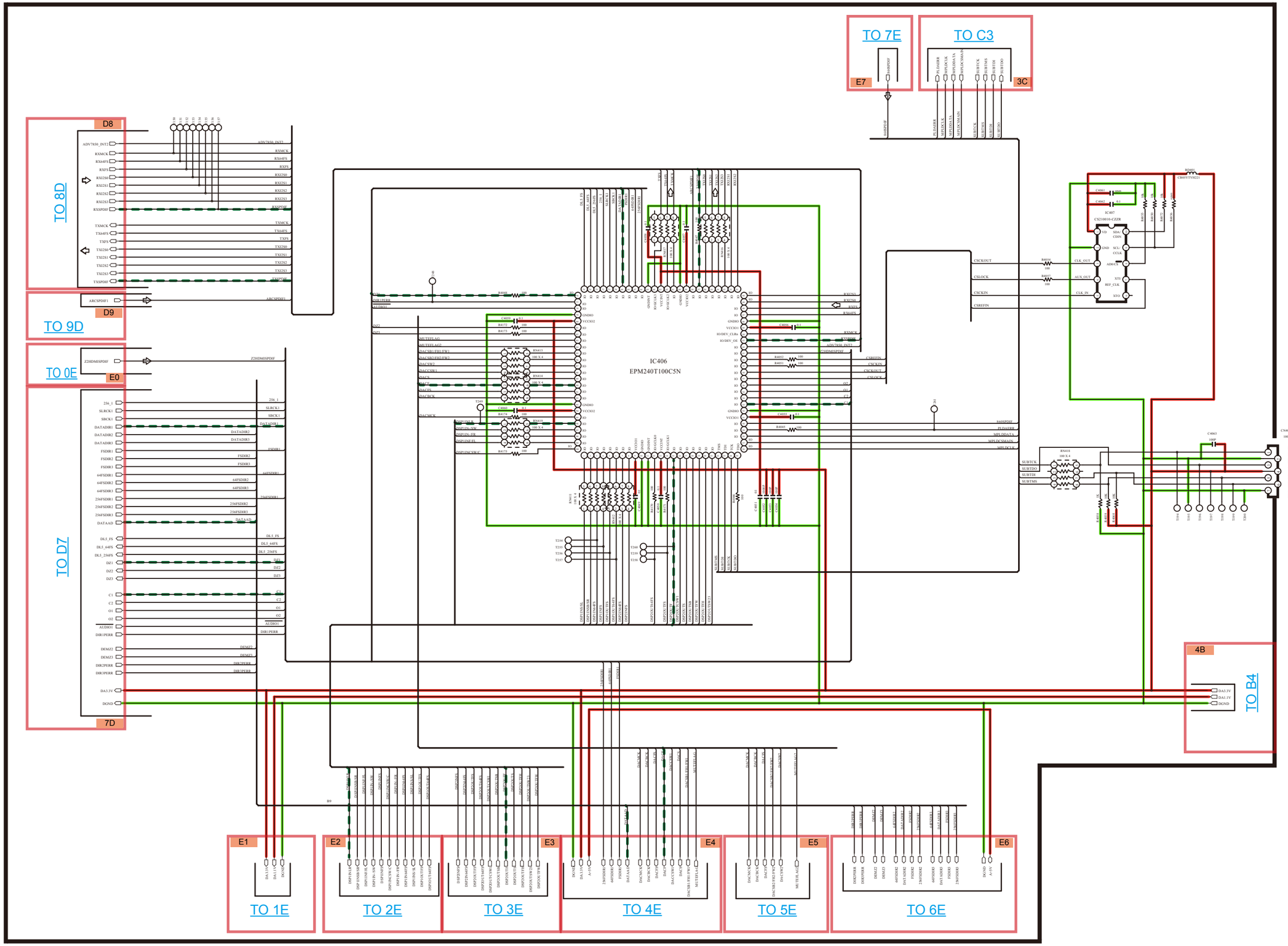
SCHEMATIC DIAGRAMS (5/35)

SCH05_DIG_CPU_LEVEL_CHG



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

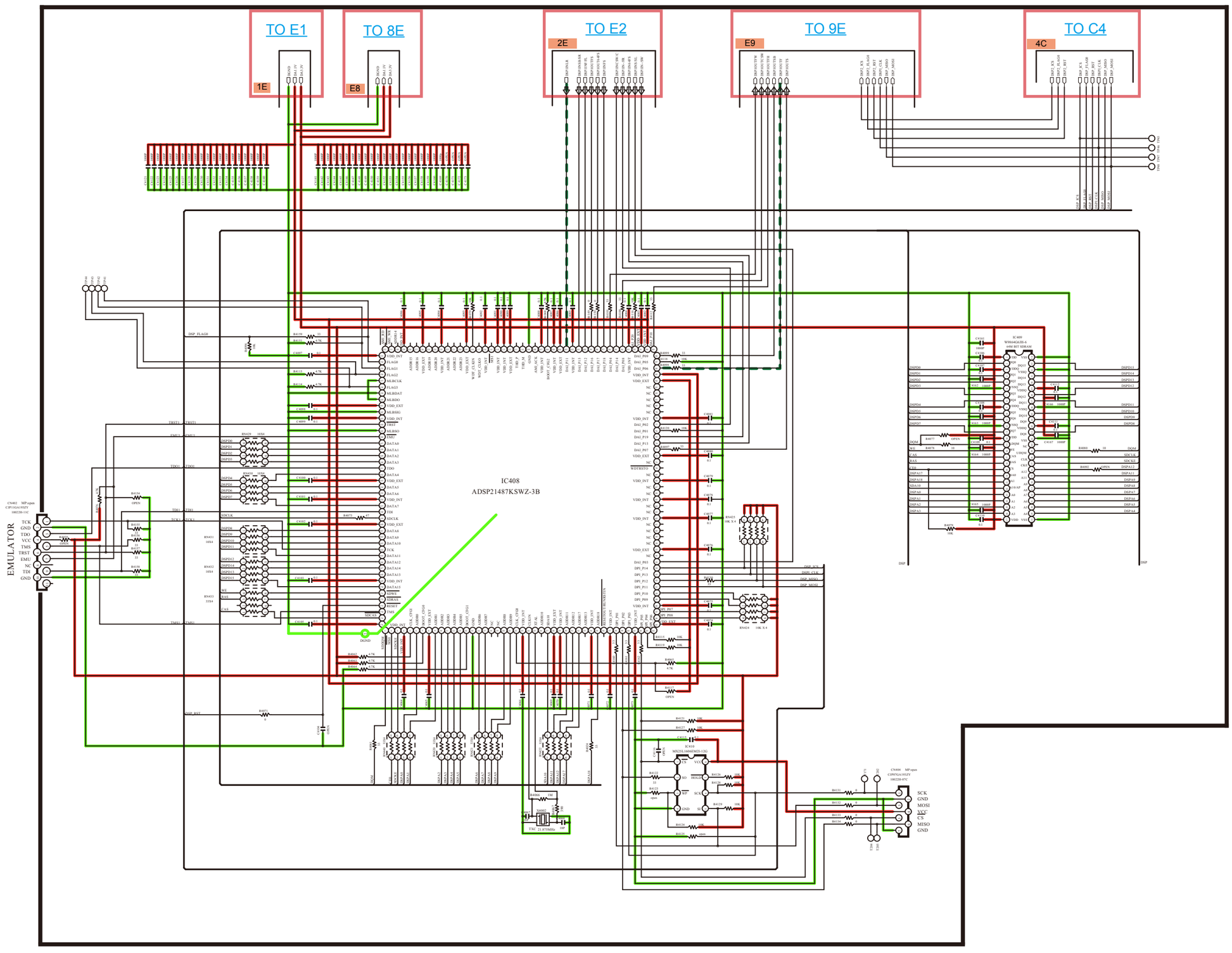
SCHEMATIC DIAGRAMS (6/35)
SCH06_DIG_DIR



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

SCHEMATIC DIAGRAMS (7/35)

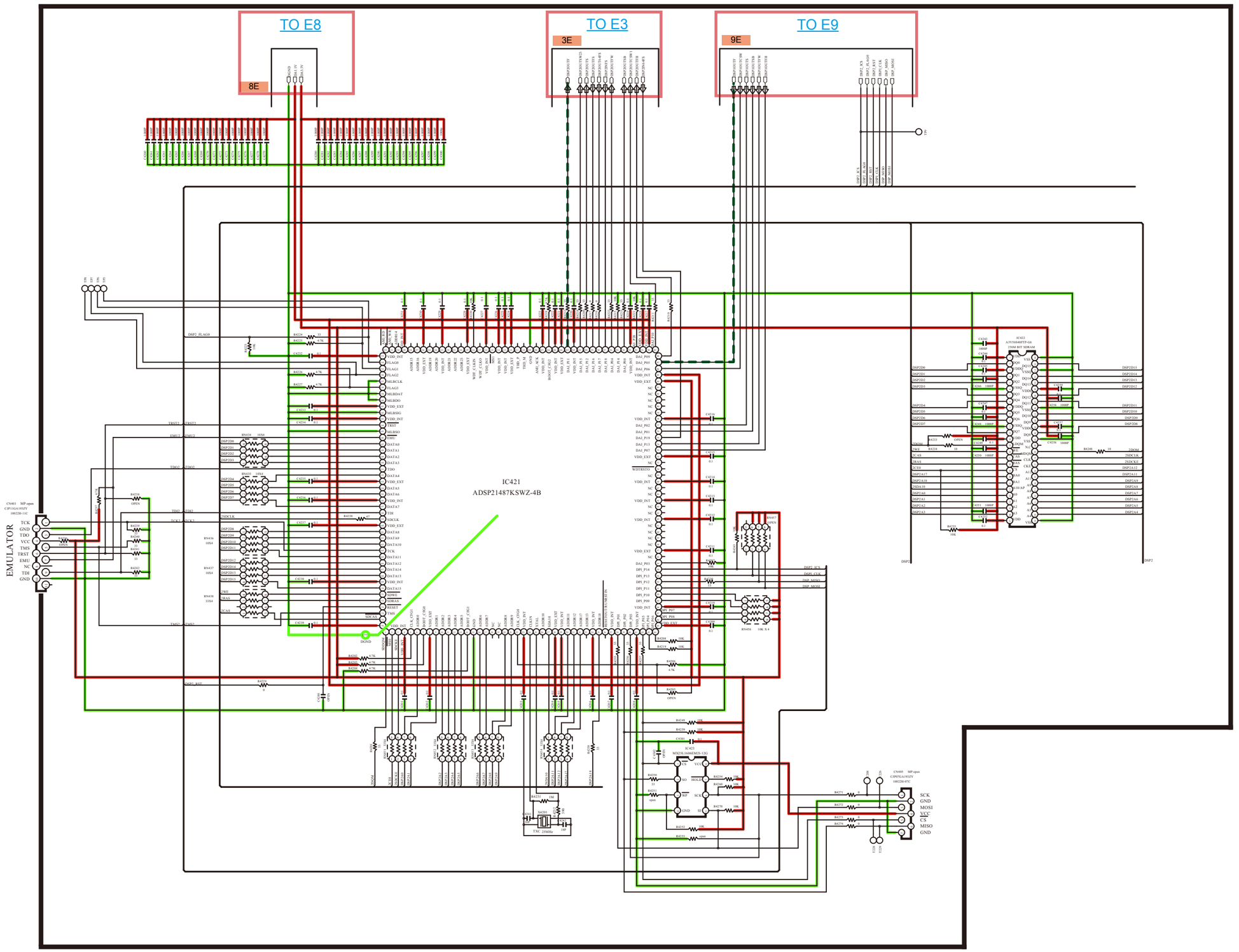
SCH07_DIG_AUDIO_PLD



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

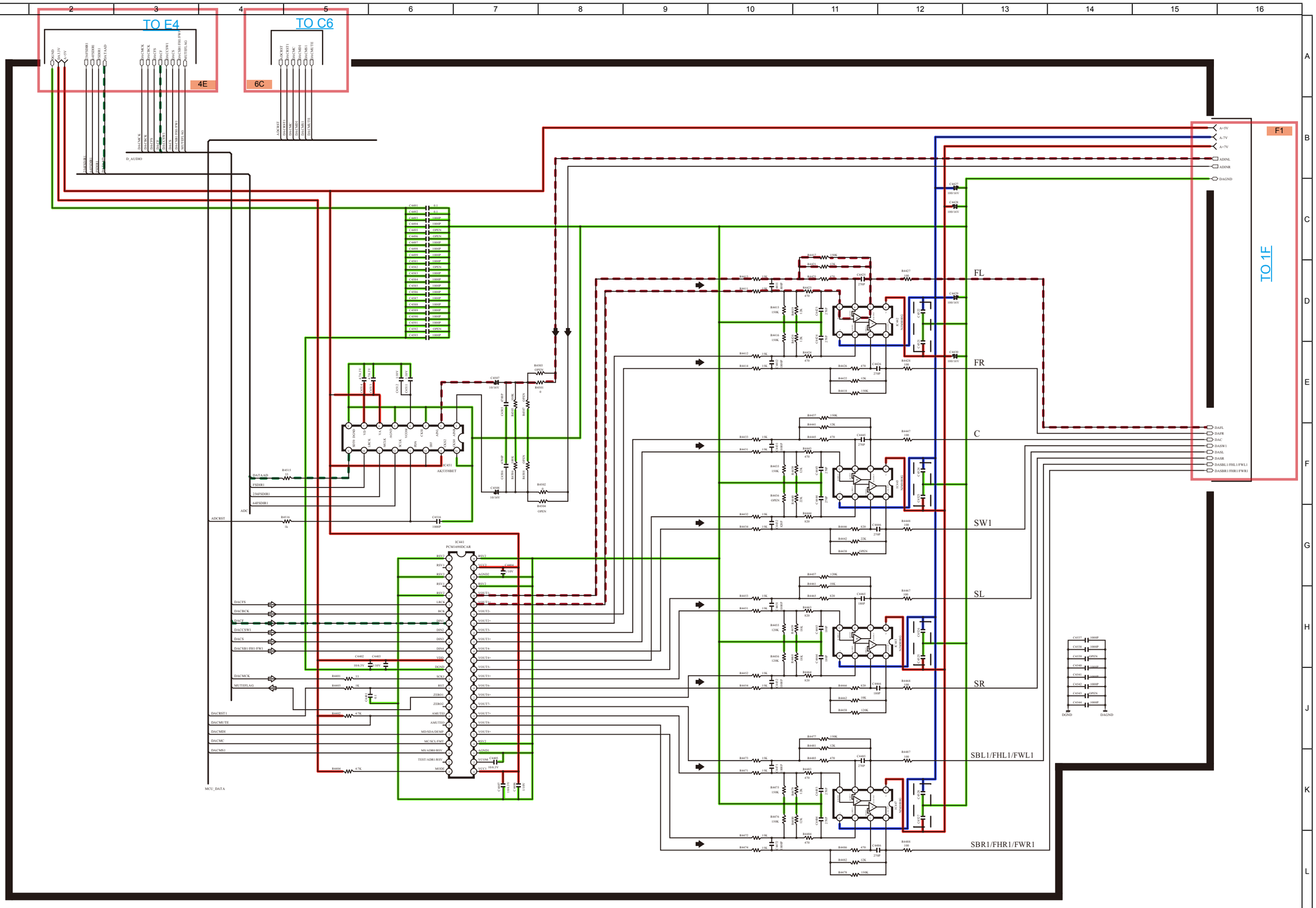
SCHEMATIC DIAGRAMS (8/35)

SCH08_DIG_DSP1



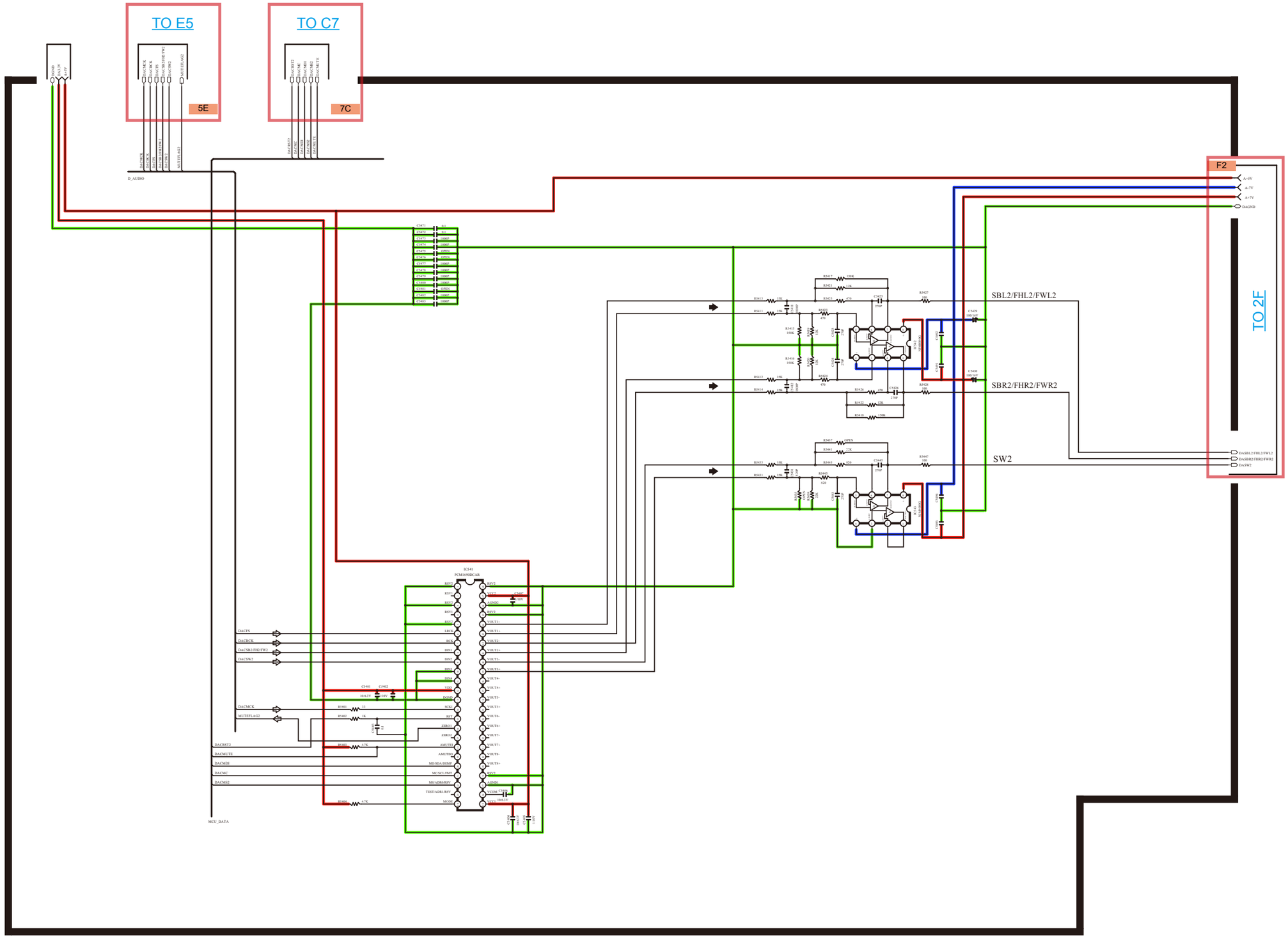
GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (9/35)
SCH09_DIG_DSP2



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

SCHEMATIC DIAGRAMS (10/35)
SCH10_DIG_MAIN_DAC1



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

SCHEMATIC DIAGRAMS (11/35)
SCH11_DIG_MAIN_DAC2

TO E6

6E

DIR2PERR
DIR2PERR
DIR2PERR
DIR2PERR
DEMZ2
DEMZ2
64FSDIR2
64FSDIR2
256FSDIR2
256FSDIR2
64FSDIR3
64FSDIR3
256FSDIR3
256FSDIR3
DGND
+5V
ZONE_DAC

IC551
NJM2845DL1-33
VI
GND
VO

ZONE2 DAC

OPTION

	R4903	R4902
I2S	0	OPEN
LEFT JUSTIFIED	OPEN	0

IC552
PCM5100PWR

DIR2PERR
FSDIR2
DATADIR2
64FSDIR2
256FSDIR2
DEMZ2

DVDD
DGND
LDOO
XSMT
FMT
LRCK
DIN
BCK
SCK
FLT
PVDD
CAPP
CPGND
CAPM
VNEG
OUTL
OUTR
AVDD
AGND
DEMP

Z2L
Z2R

4A
DAZONE2L
DAZONE2R
DAZONE3L
DAZONE3R
DAGND
TO A4

ZONE3 DAC

OPTION

	R4910	R4909
I2S	0	OPEN
LEFT JUSTIFIED	OPEN	0

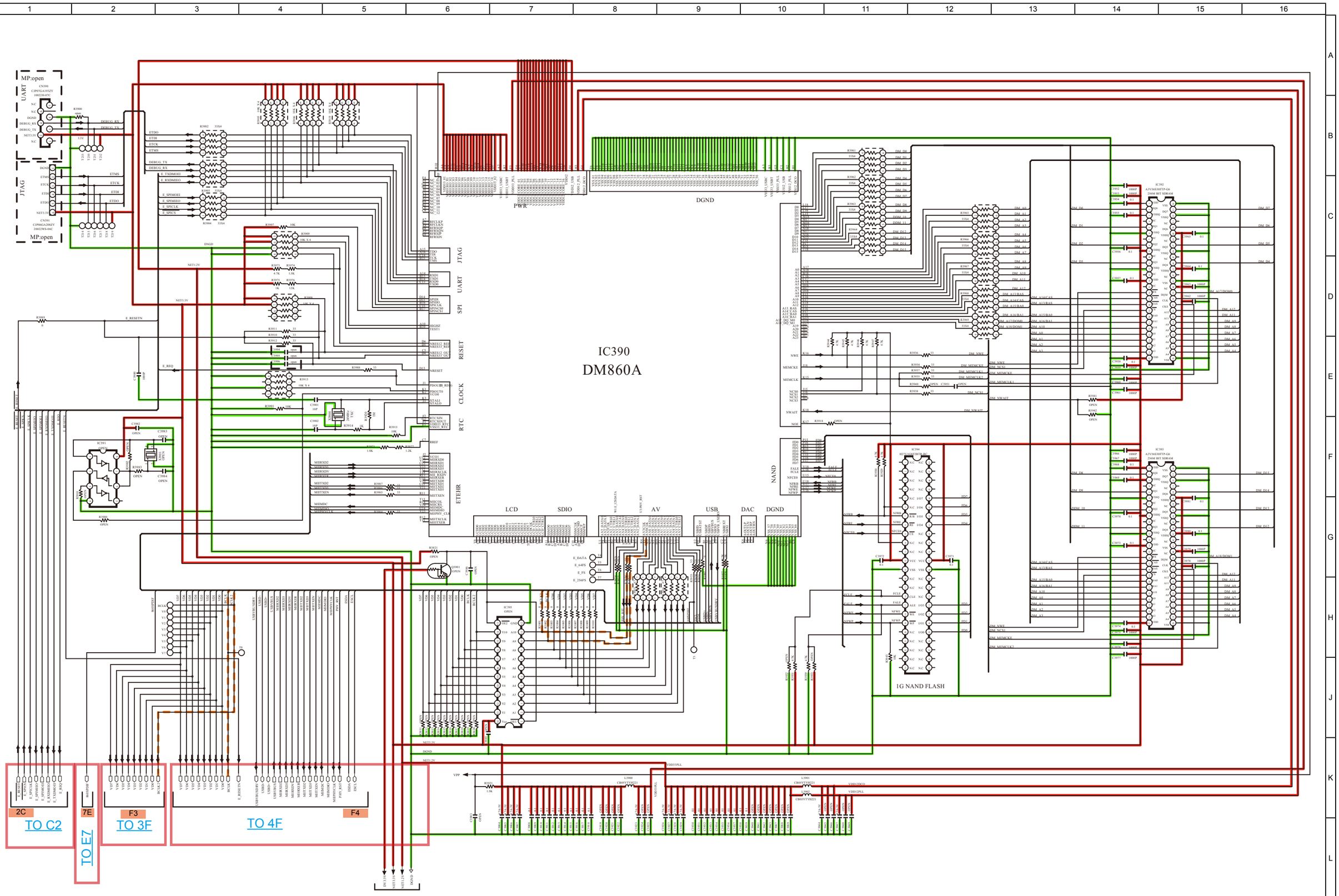
IC553
PCM5100PWR

DIR3PERR
FSDIR3
DATADIR3
64FSDIR3
256FSDIR3
DEMZ3

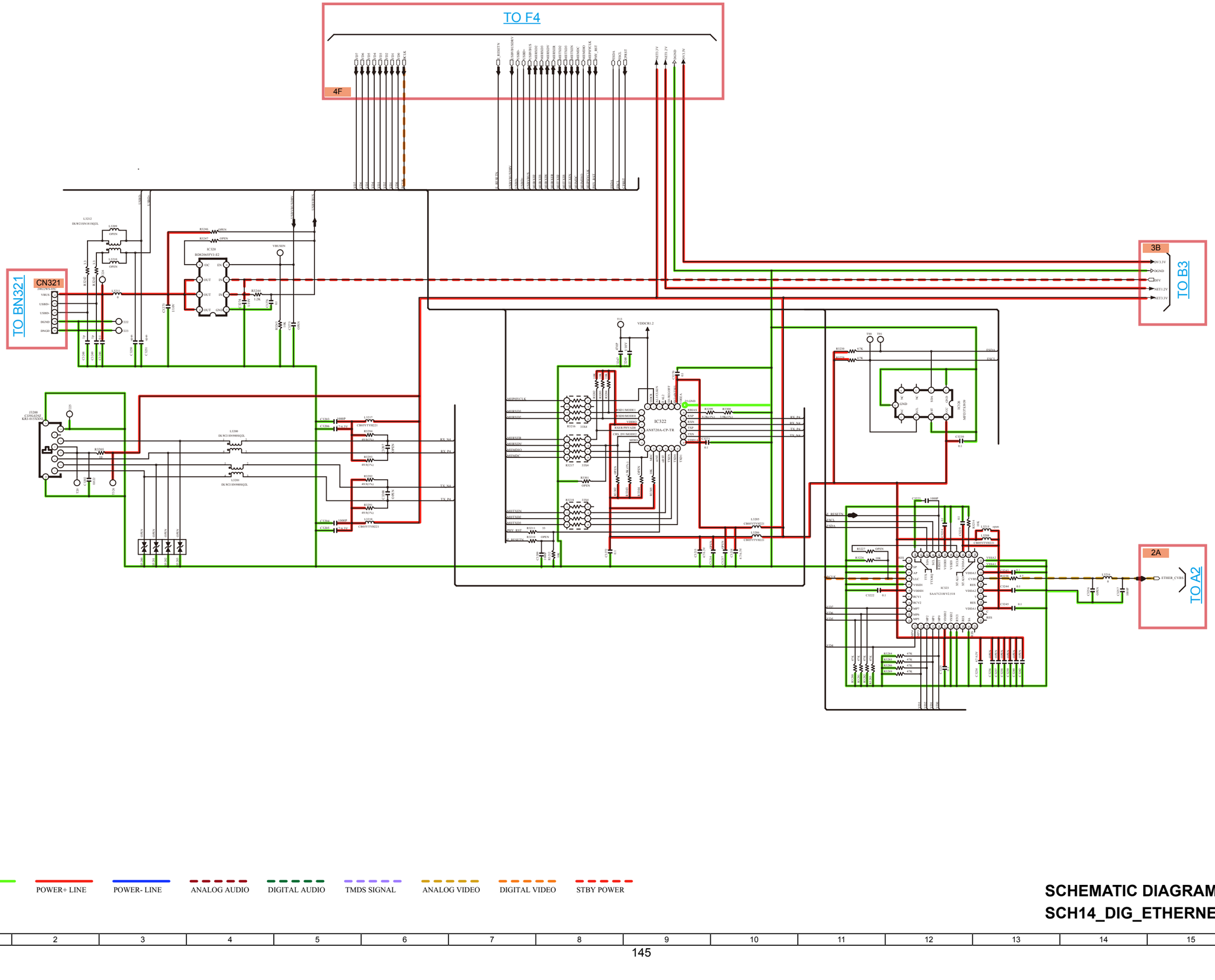
Z3L
Z3R

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

SCHEMATIC DIAGRAMS (12/35)
SCH12_DIG_ZONE_DAC

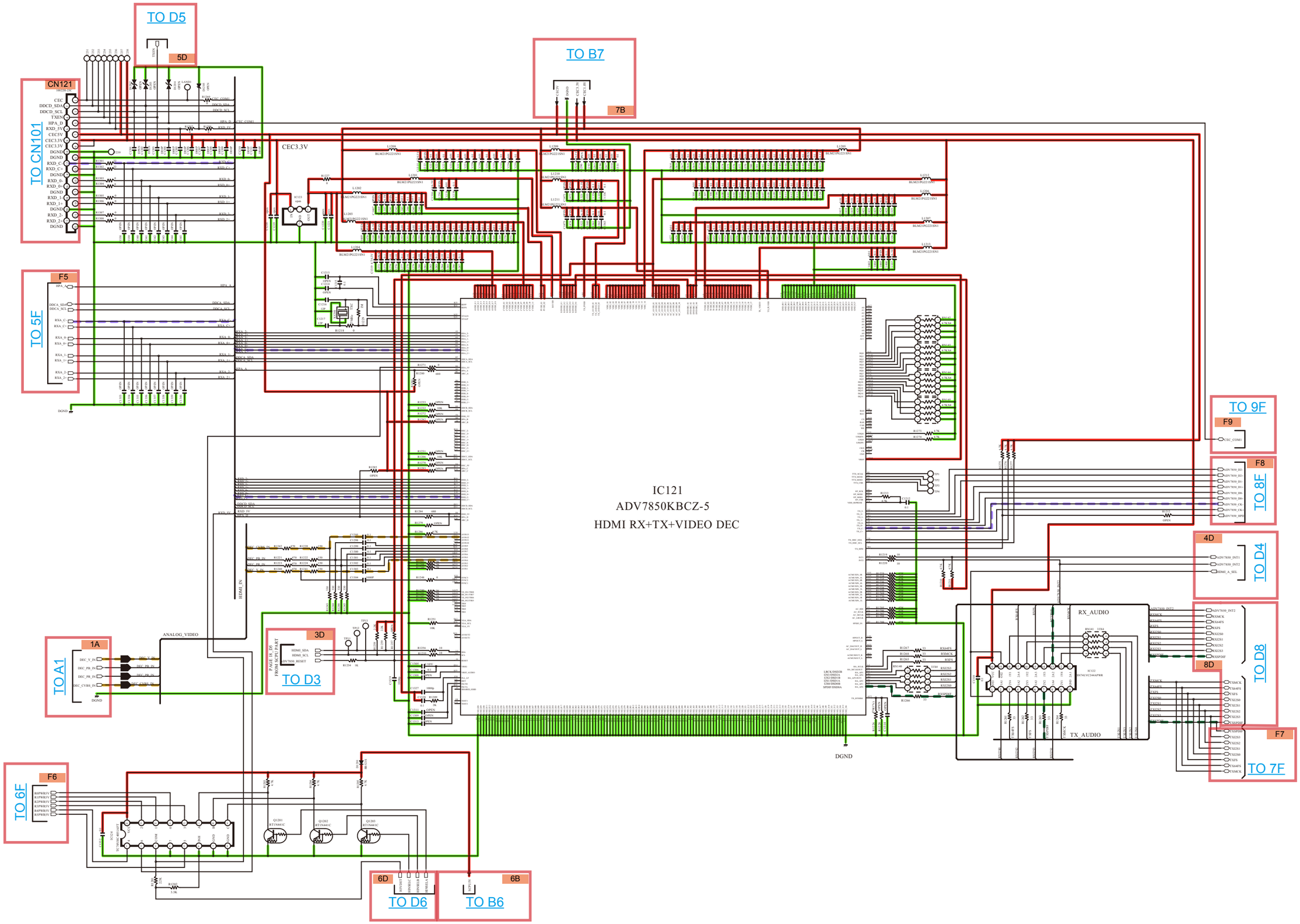


SCHEMATIC DIAGRAMS (13/35)
SCH13_DIG_DM860A



SCHEMATIC DIAGRAMS (14/35)

SCH14_DIG_ETHERNET_PHY



SCHEMATIC DIAGRAMS (15/35)

SCH15_DIG_HDMI_RX

HDMI_INPUT-1

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-2

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-3

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-4

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-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

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+

IC501
SiI9575CTUC
HDMI RX+TX

SII9575

8B
TO B8

5F
TO F5

0E
TO E0

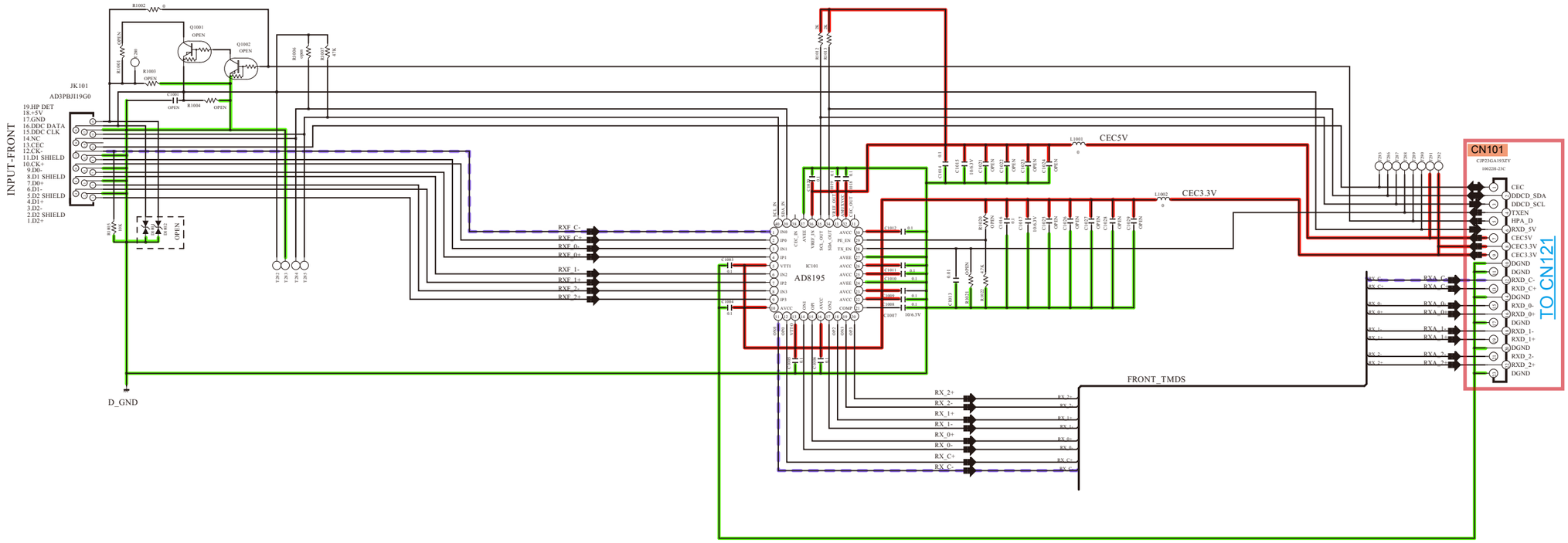
9C
TO C9

6F
TO F6

OPEN ESD suppressor
ASQS12U020R2

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

SCHEMATIC DIAGRAMS (16/35)
SCH16_DIG_SII9575



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

SCHEMATIC DIAGRAMS (17/35)
SCH17_DIG_HDMI_TX

IC151

ADV8003KBCZ-8C

HDMI TX+VIDEO ENC+I/P SCALER+GUI

TO B5

5B

TO D1

1D

TO F9

9F

3F

TO F3

8F

TO F8

7F

TO F7

TO D9

9D

2D

TO D2

1C

TO C1

HDMI_OUT-2

HDMI_OUT-1

ESD suppressor ASQS12U020R2

open

DGND

SCK
GND
MOSI
VCC
CS
MISO
GND

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

SCHEMATIC DIAGRAMS (18/35)

SCH18_DIG_HDMI_TX

SR7008
FRONT B'D

TO CN69B

CN69A

VOLUME & REMOTE PART

H/P PART

USB PART

ST-BY LED PART

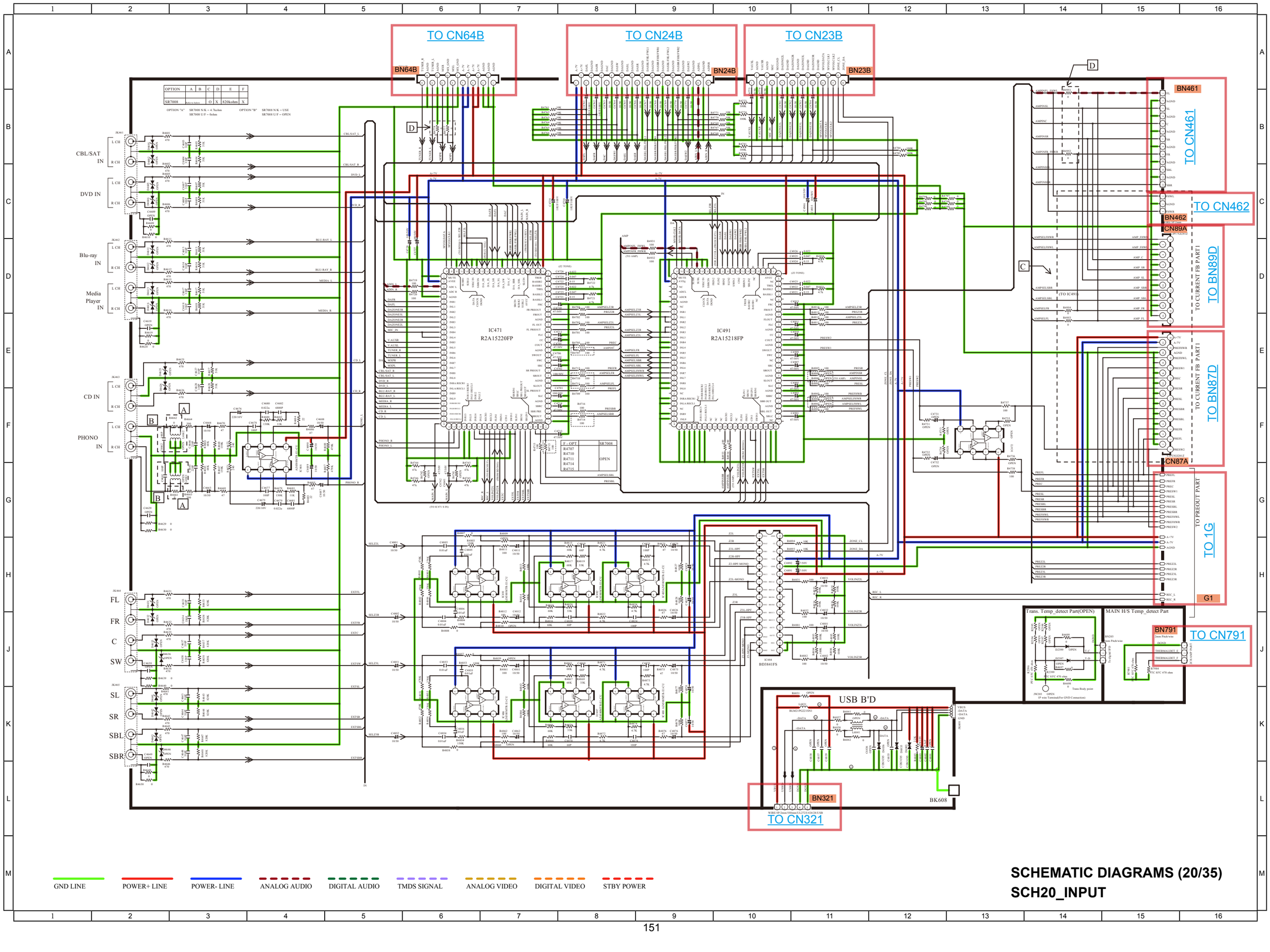
MIC JACK

FROM MAIN TRANS

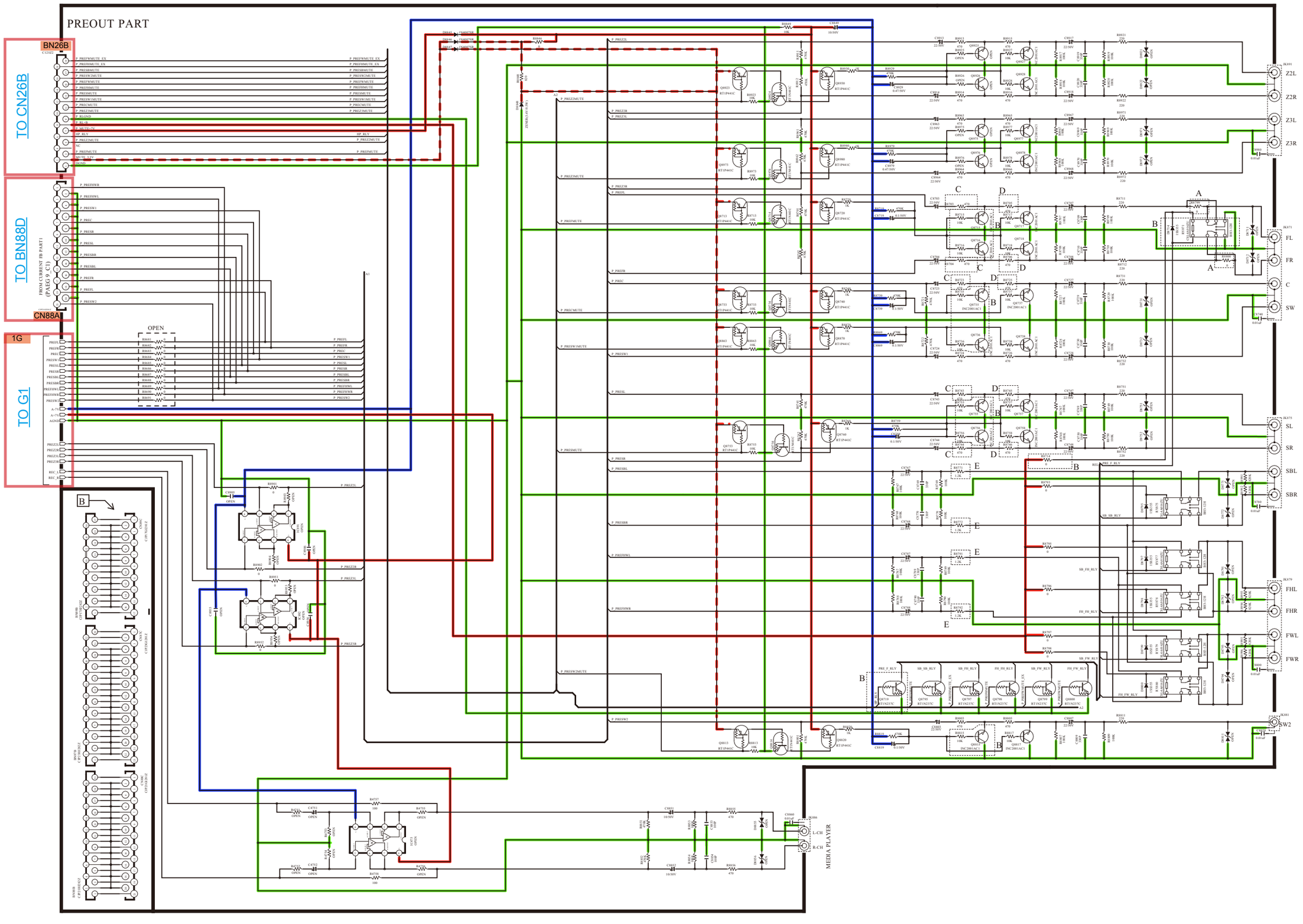
TO ETHERNET PHY (PAGE 28_C6)

SCHEMATIC DIAGRAMS (19/35)
SCH19_FRONT

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

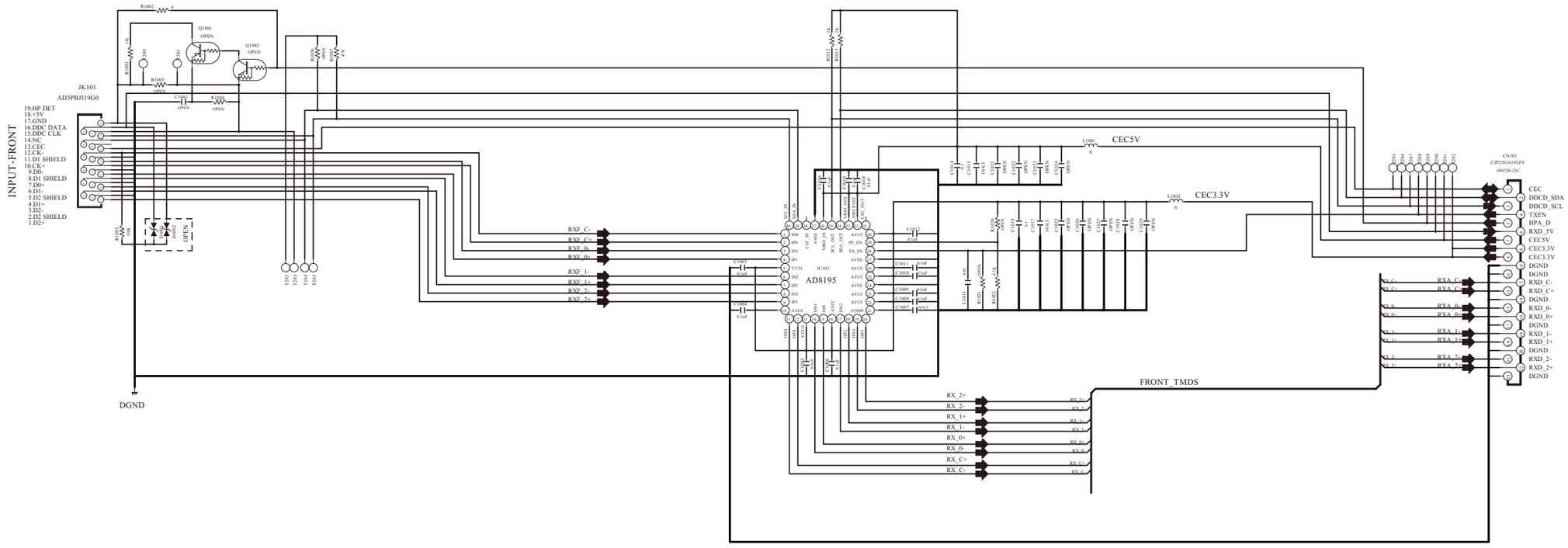


SCHEMATIC DIAGRAMS (20/35)
SCH20_INPUT



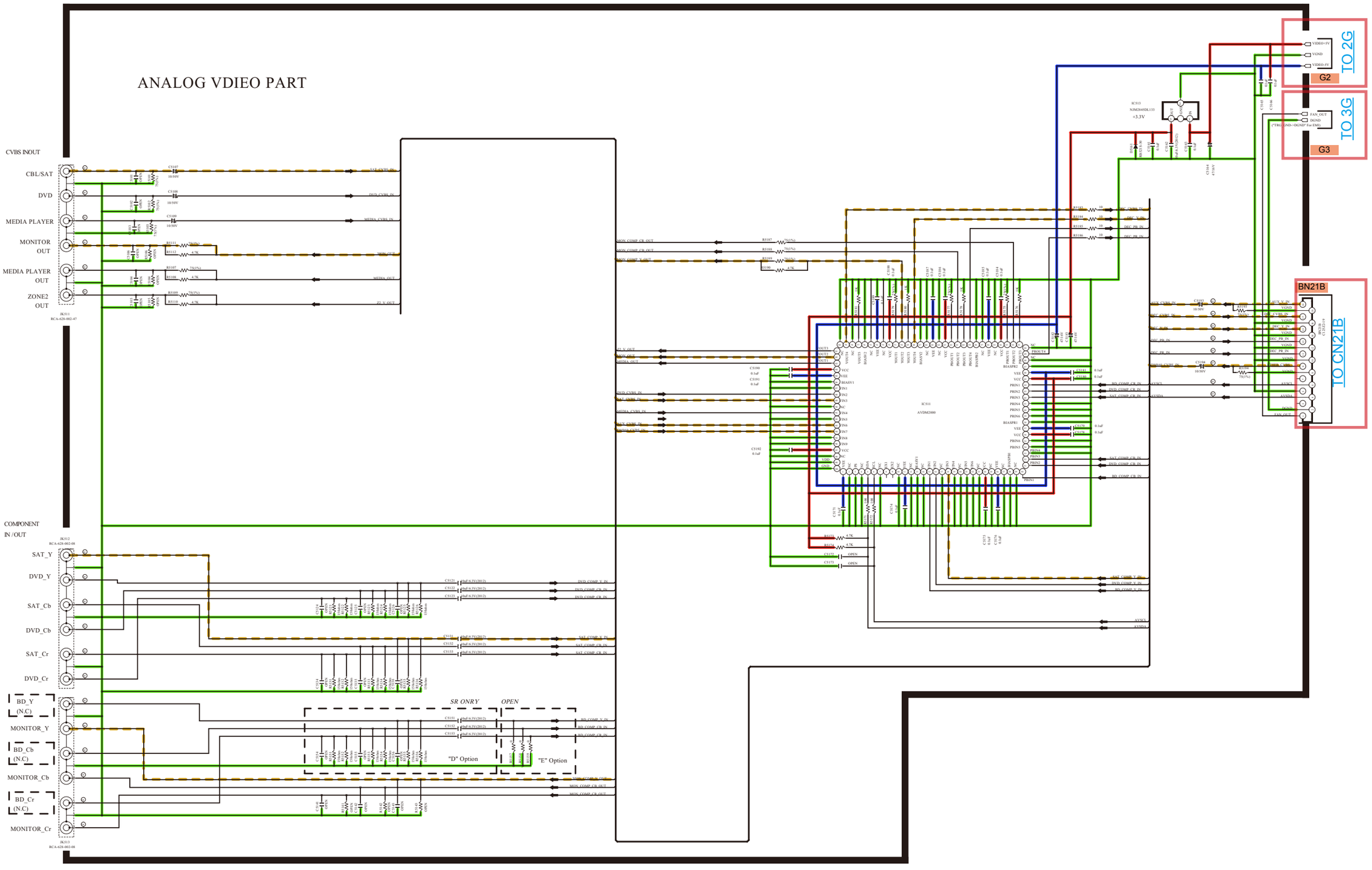
SCHEMATIC DIAGRAMS (21/35)
SCH21_INPUT_PREOUT

FRONT HDMI PART
ALL OPEN



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

SCHEMATIC DIAGRAMS (22/35)
SCH22_INPUT_FRONT_HDMI



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

SCHEMATIC DIAGRAMS (23/35)

SCH23_VIDEO

RC-5 / MX-PORT

FAN CTRL PART

TO CN27B

BN27B

# FAN CTRL (SPEED)		
FANCONT_L_ON	FANCONTON	FAN_OUT (SPEED)
H	H	MAX SPEED
H	L	MID SPEED
L	X	STOP
L		

TO G3

3G

TO CN28B

BN28B

TO 4G

G4

TO G2

2G

RC-5 / Ni-Plated

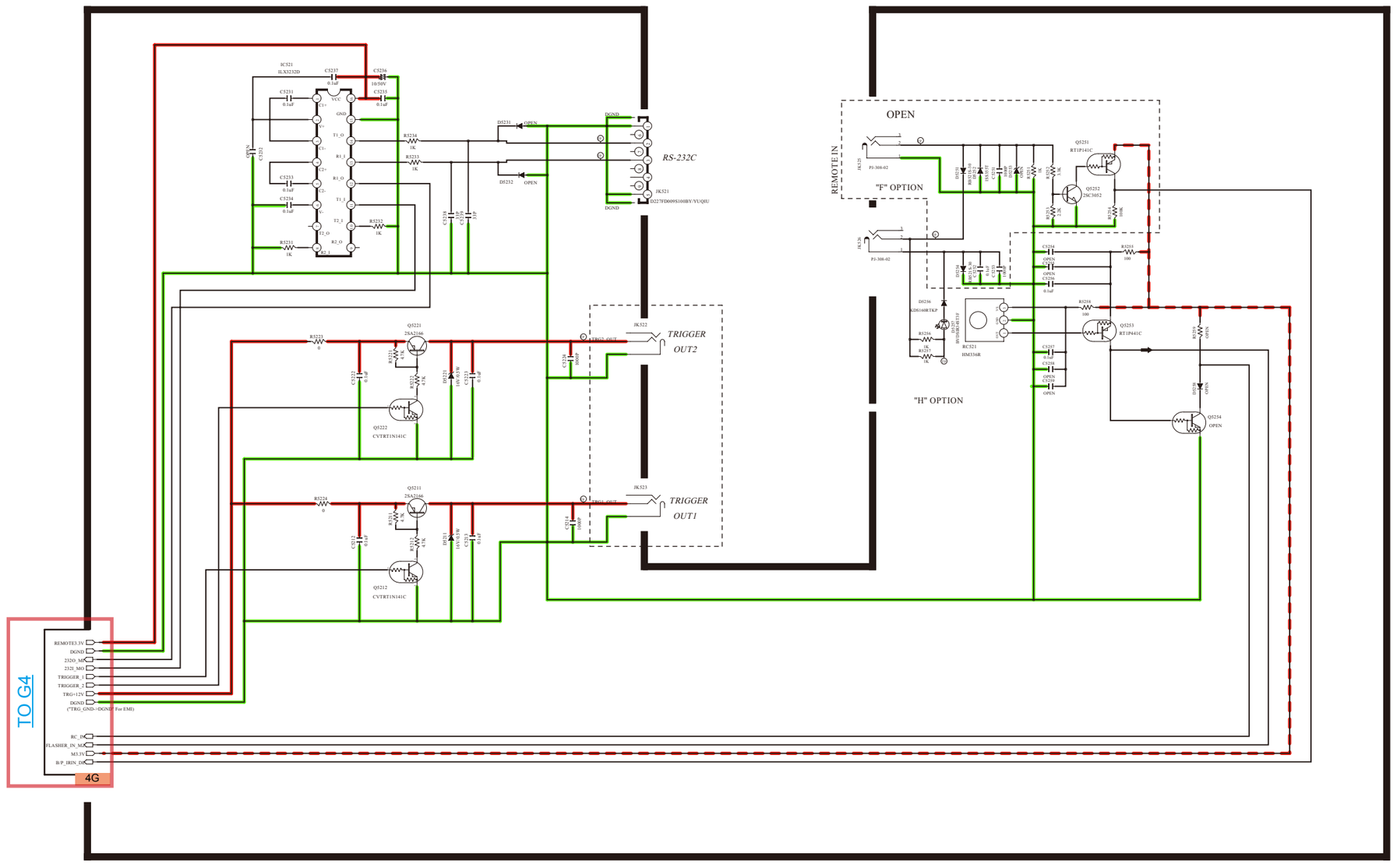
MX-PORT

SCHEMATIC DIAGRAMS (24/35)

SCH24_VIDEO_RC5_MXPORT

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

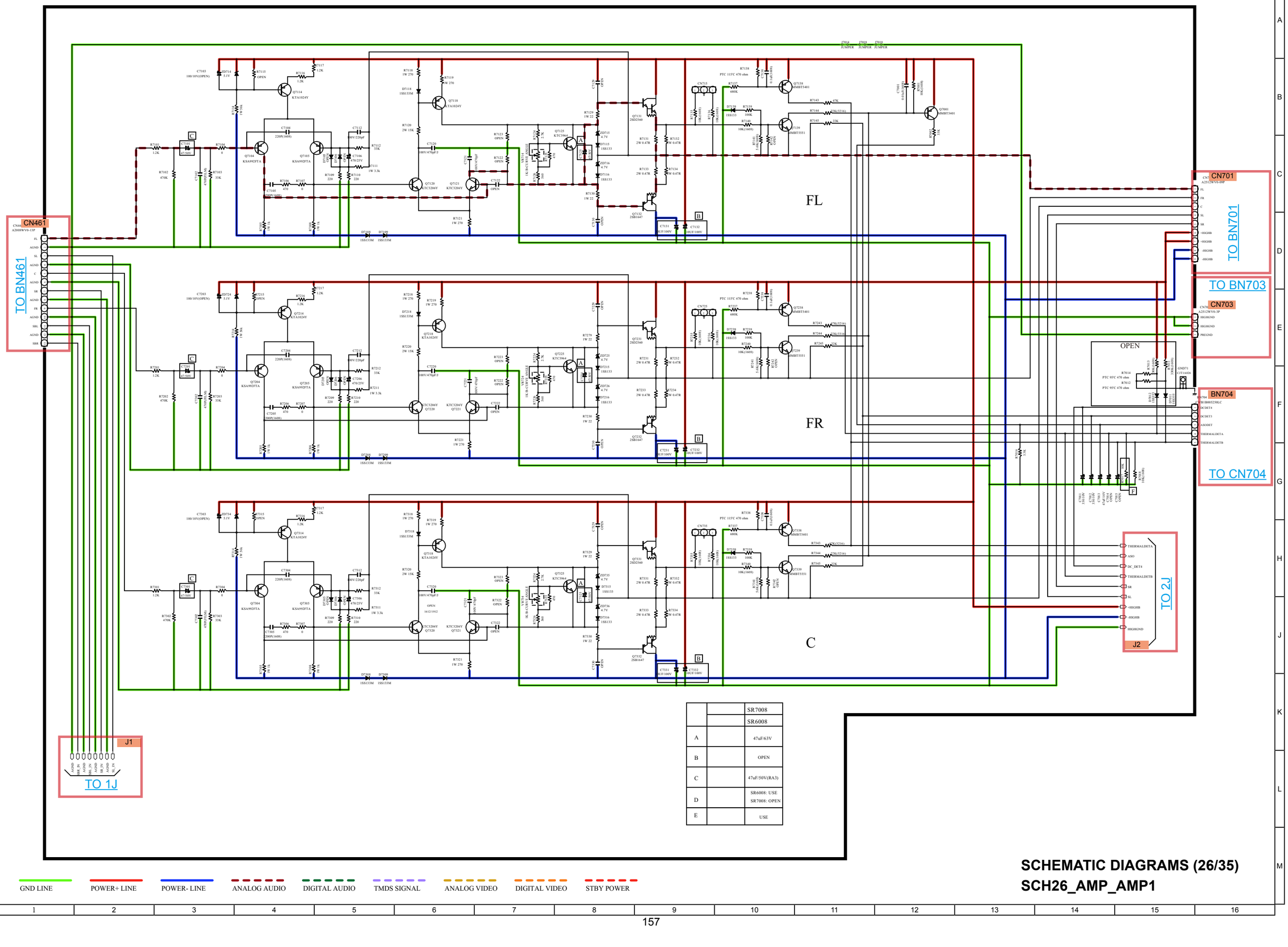
RS232C/TRIGGER



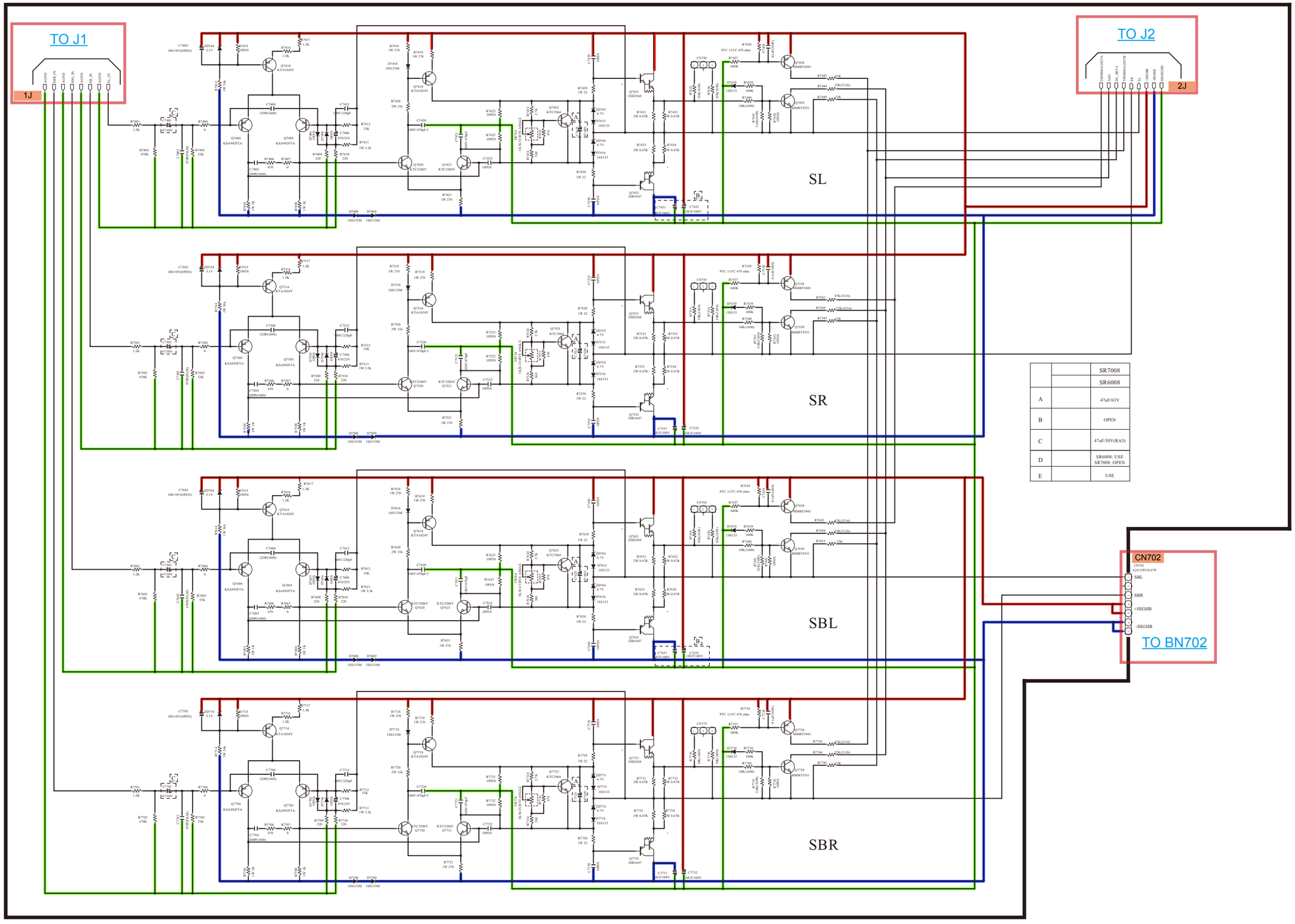
IR / FLASHER

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

SCHEMATIC DIAGRAMS (25/35)
SCH25_VIDEO_RS232C_TRIGGER



SCHEMATIC DIAGRAMS (26/35)
SCH26_AMP_AMP1

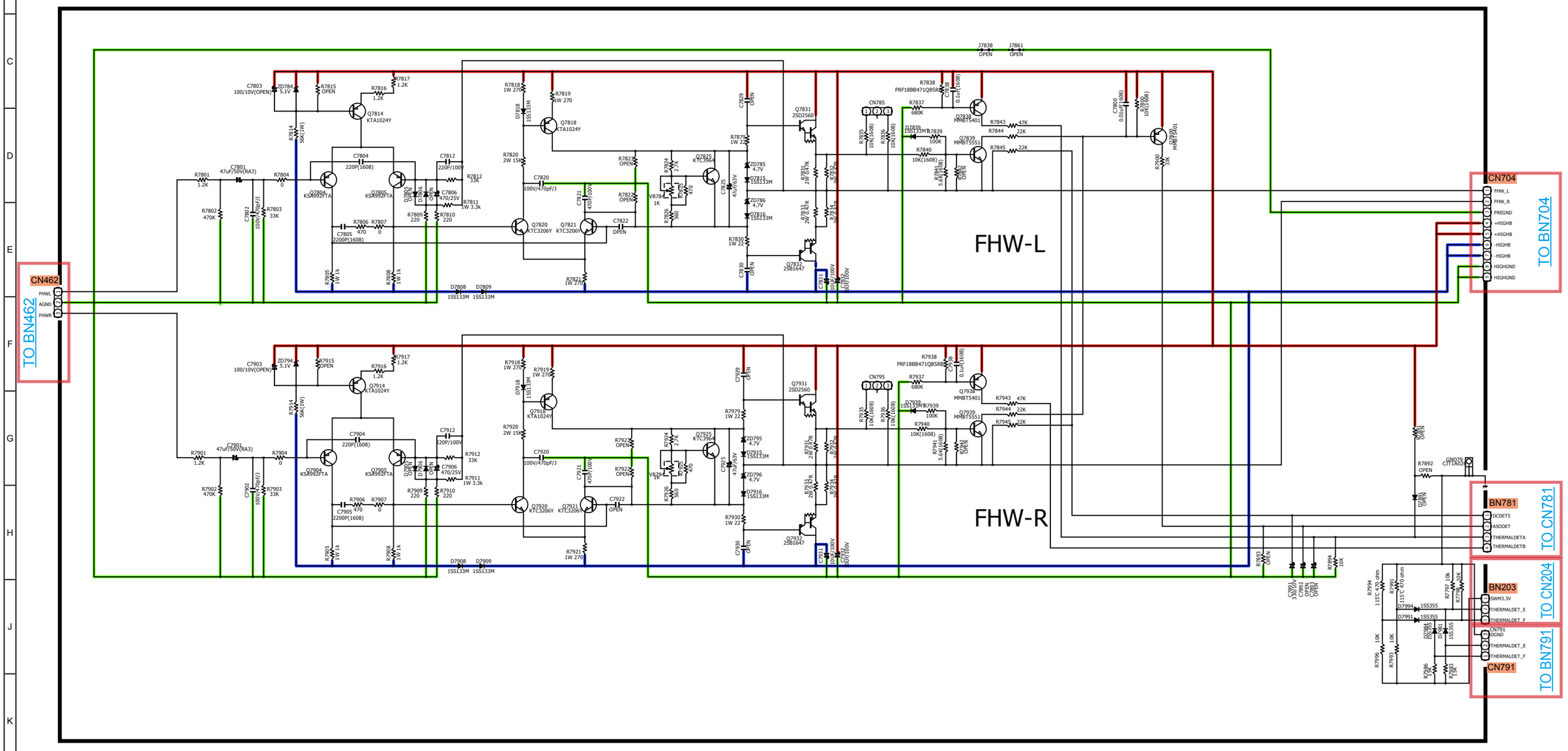


		SR7008
		SR6008
A		47uF/63V
B		OPEN
C		47uF/50V(RA3)
D		SR6008: USE SR7008: OPEN
E		USE

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

SCHEMATIC DIAGRAMS (27/35)

SCH27_AMP_AMP2



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

SCHEMATIC DIAGRAMS (28/35)

SCH28_2CH_AMP

CURRENT FB PART1
FOR SR7008

BN87D

TO CN87A

K1

TO 1K

BN89D

TO CN89A

K2

TO 2K

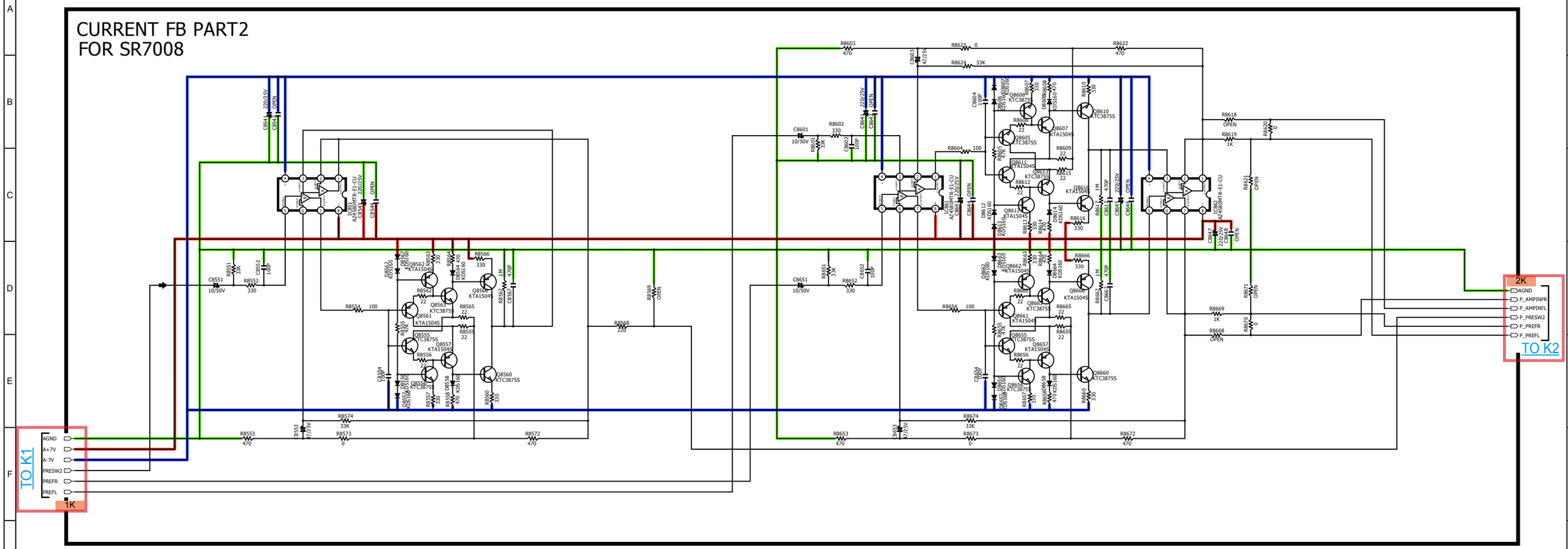
BN88D

TO CN88A

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

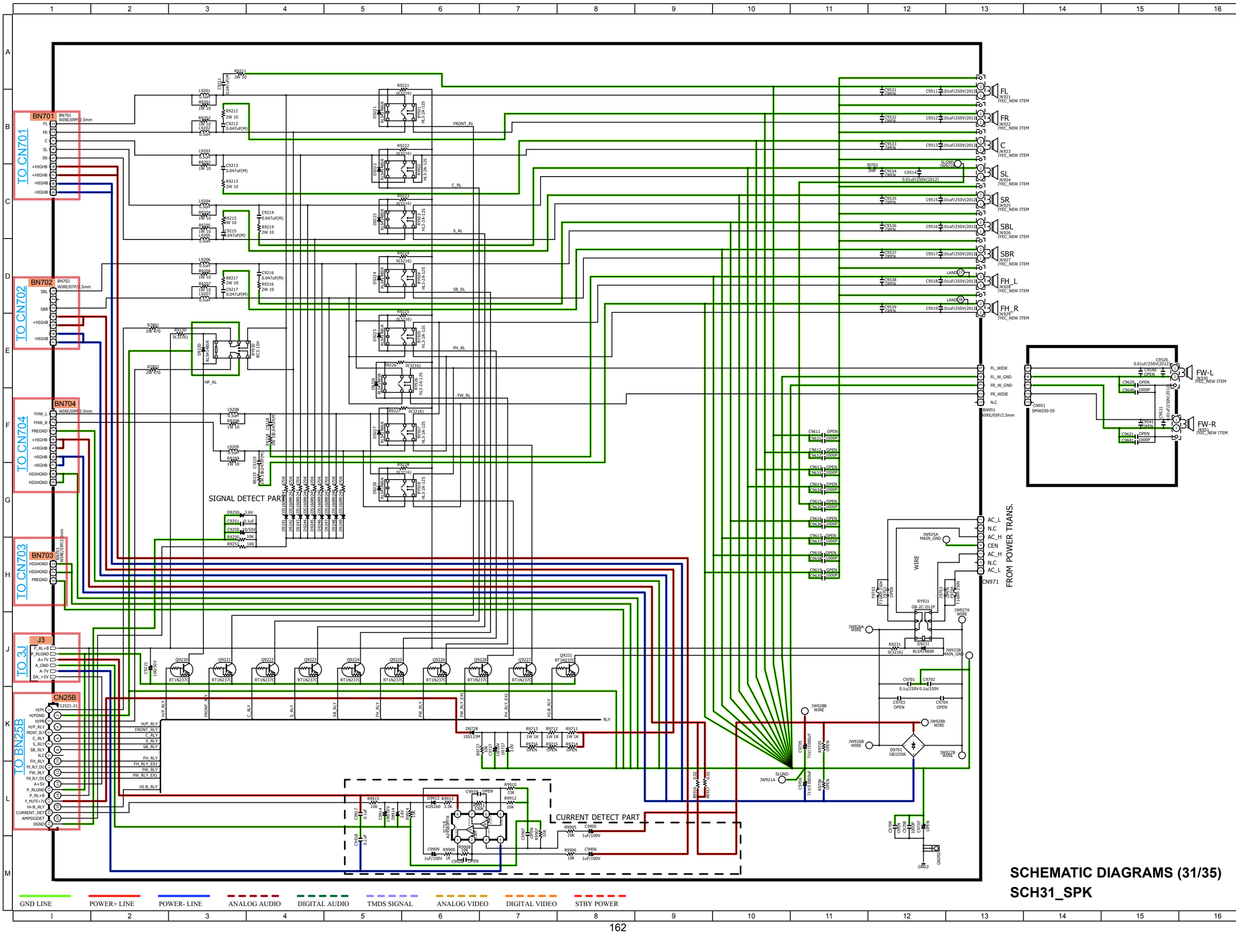
SCHEMATIC DIAGRAMS (29/35)
SCH29_HDAM1

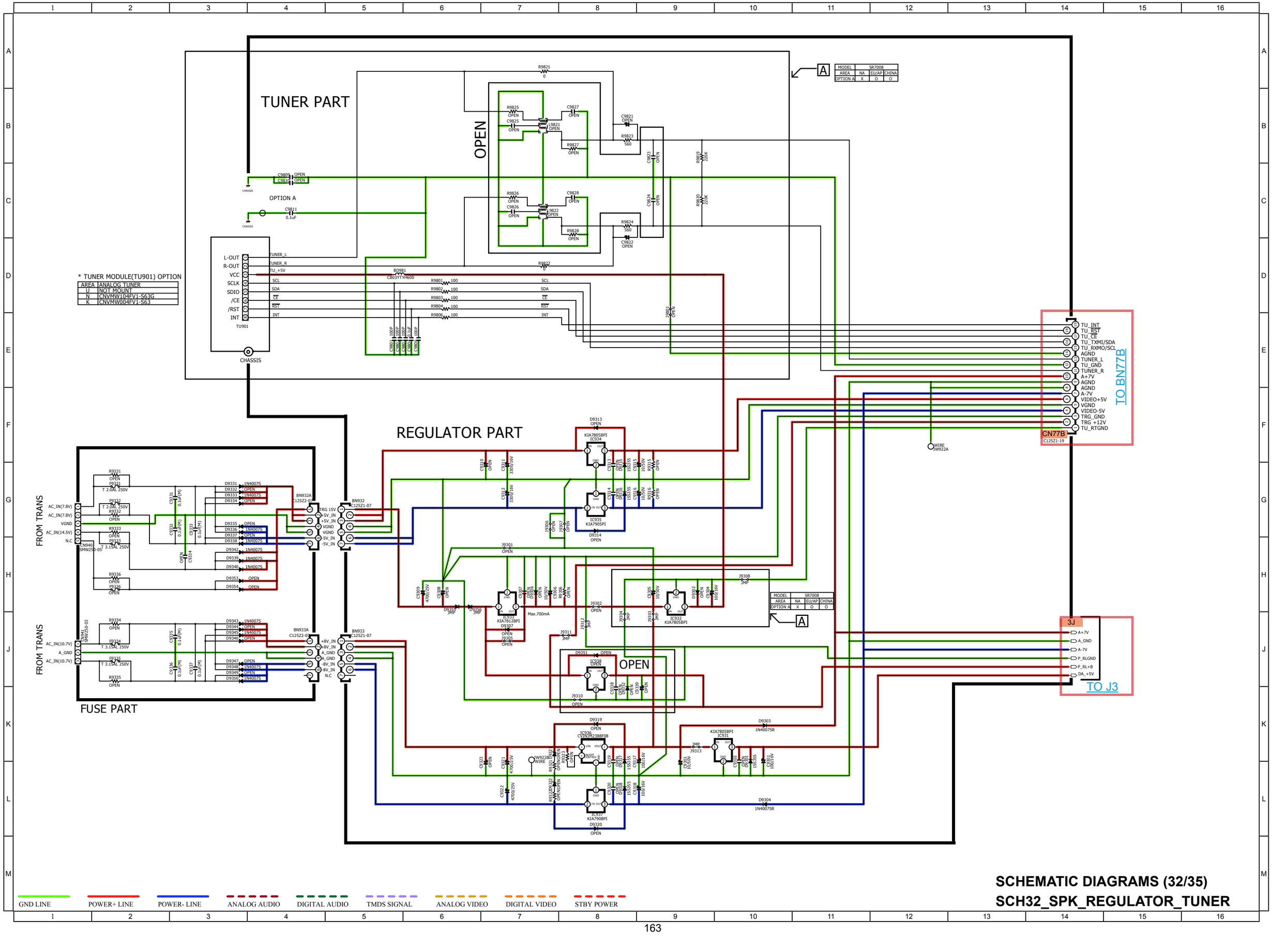
CURRENT FB PART2
FOR SR7008



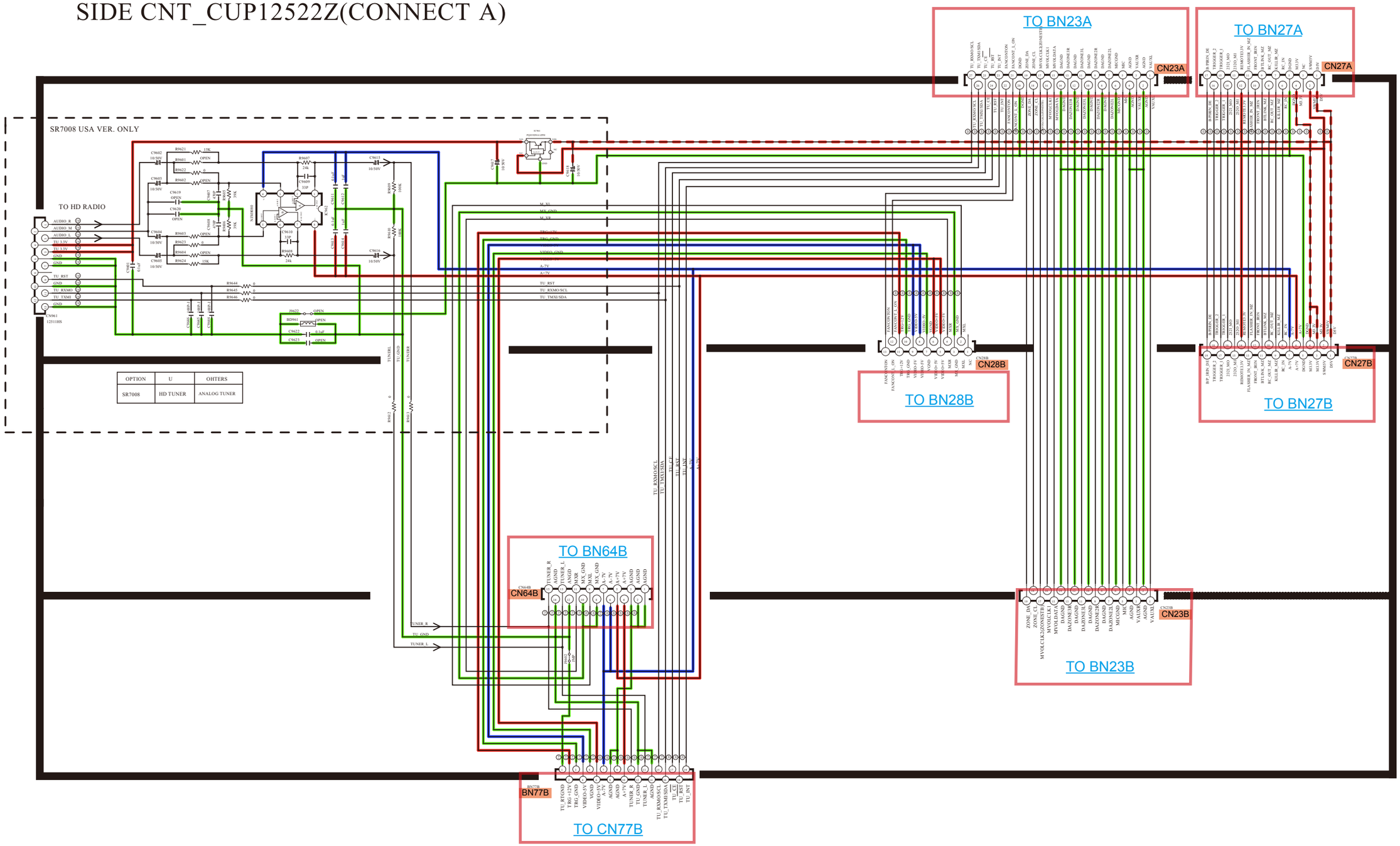
GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (30/35)
SCH30_HDAM2


BN701
TO CN701
BN702
TO CN702
BN704
TO CN704
BN703
TO CN703
J3
TO 3J
CN25B
TO BN25B
SIGNAL DETECT PART
CURRENT DETECT PART
FRONT_RL
C_RL
S_RL
SB_RL
FH_RL
FW_RL
HP_RL
FL
FR
C
SL
SR
SBL
SBR
FH_L
FH_R
FW-L
FW-R
CN951
BN951
CN971
FROM POWER TRANS.
WIRE
SCHEMATIC DIAGRAMS (31/35)
SCH31_SPK
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER


TUNER PART
REGULATOR PART
FUSE PART
OPTION A
OPEN
* TUNER MODULE(TU901) OPTION
AREA ANALOG TUNER
U NOT MOUNT
N CNVMW104FV1-S63G
K CNVMW004FV1-S63
L-OUT
R-OUT
VCC
SCLK
SDIO
/CE
/RST
INT
TU901
CHASSIS
TUNER_L
TUNER_R
TU_+5V
SCL
SDA
CE
RST
INT
BD9B1
CB03YTYH600
TO BN77B
CN77B
C125Z1-19
TU_INT
TU_RST
TU_CE
TU_TXMI/SDA
TU_RXMO/SCL
AGND
TUNER_L
TU_GND
TUNER_R
A+7V
AGND
AGND
A-7V
VIDEO+5V
VGND
VIDEO-5V
TRG_GND
TRG +12V
TU_RTGND
WIRE
JW922A
FROM TRANS
AC_IN(7.8V)
AC_IN(7.8V)
VGND
AC_IN(14.5V)
N.C
AC_IN(10.7V)
A_GND
AC_IN(10.7V)
BN940
SMW250-05
BN941
SMW250-03
BN932A
C125Z2-07
BN933A
C125Z2-03
BN932
C125Z1-07
BN933
C125Z1-07
+5V_IN
VGND
+8V_IN
A_GND
N.C
KIA7805BPI
IC934
KIA7905PI
IC935
KIA7812BPI
IC931
KIA7805BPI
IC932
KIA7908PI
IC937
CVIN3R2388F08
IC936
Max.700mA
3J
A+7V
A_GND
A-7V
P_RLGND
P_RL+B
DA_+5V
TO J3
MODEL SR7008
AREA NA EU/AP CHINA
OPTION A X O O
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO
DIGITAL AUDIO
TMDS SIGNAL
ANALOG VIDEO
DIGITAL VIDEO
STBY POWER
SCHEMATIC DIAGRAMS (32/35)
SCH32_SPK_REGULATOR_TUNER

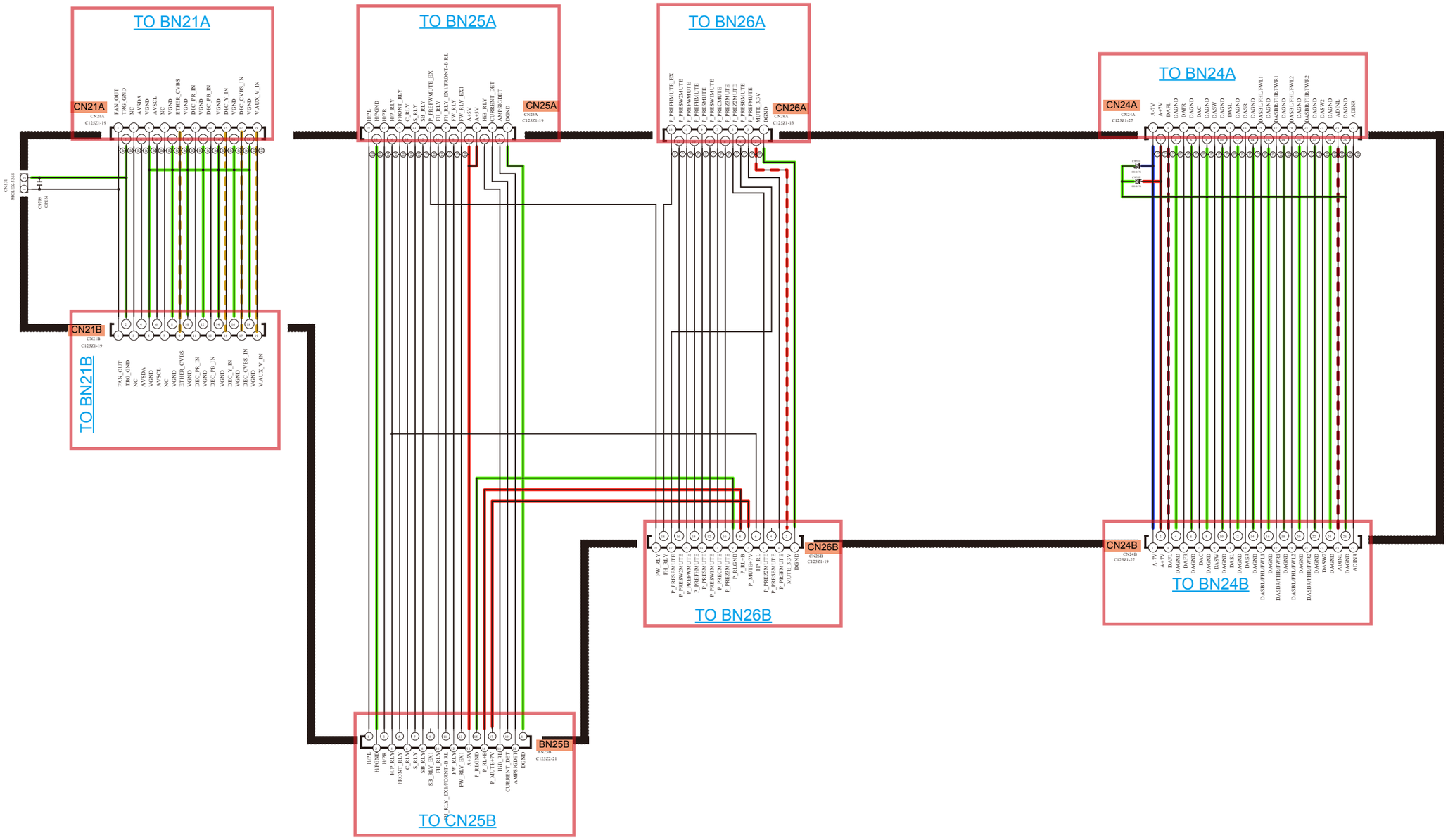
SIDE CNT_CUP12522Z(CONNECT A)



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

SCHEMATIC DIAGRAMS (33/35)
SCH33_CNT_CONNECT_A

FRT CNT_CUP12522Z(CONNECT B)

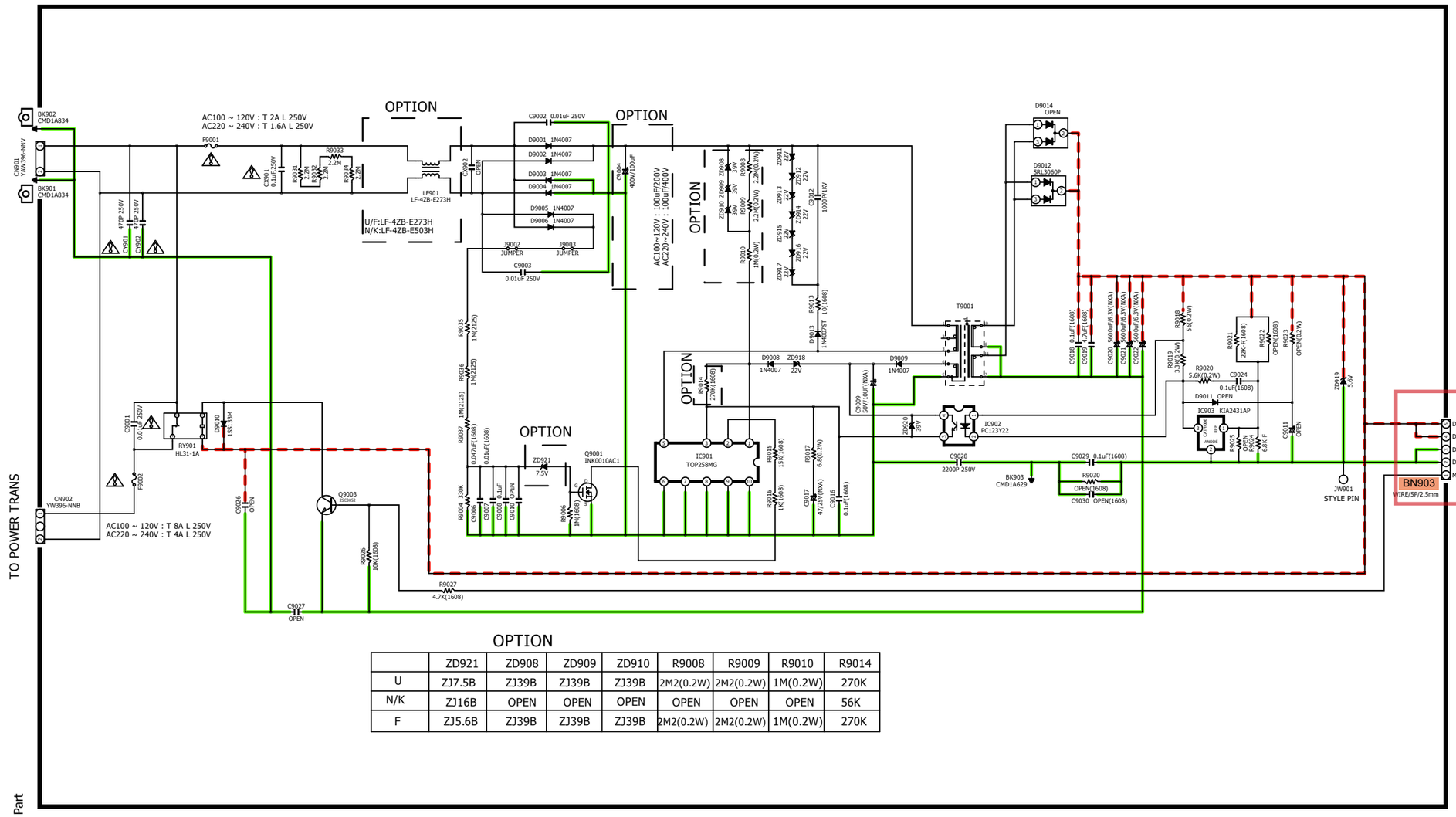


GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO | DIGITAL AUDIO | TMDS SIGNAL | ANALOG VIDEO | DIGITAL VIDEO | STBY POWER

SCHEMATIC DIAGRAMS (34/35)

SCH34_CNT_CONNECT_B

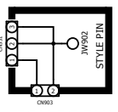
SMPS PART



OPTION

	ZD921	ZD908	ZD909	ZD910	R9008	R9009	R9010	R9014
U	ZJ7.5B	ZJ39B	ZJ39B	ZJ39B	2M2(0.2W)	2M2(0.2W)	1M(0.2W)	270K
N/K	ZJ16B	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	56K
F	ZJ5.6B	ZJ39B	ZJ39B	ZJ39B	2M2(0.2W)	2M2(0.2W)	1M(0.2W)	270K

PAGE 7_C6
FROM CONNECT B Part



FROM DC FAN

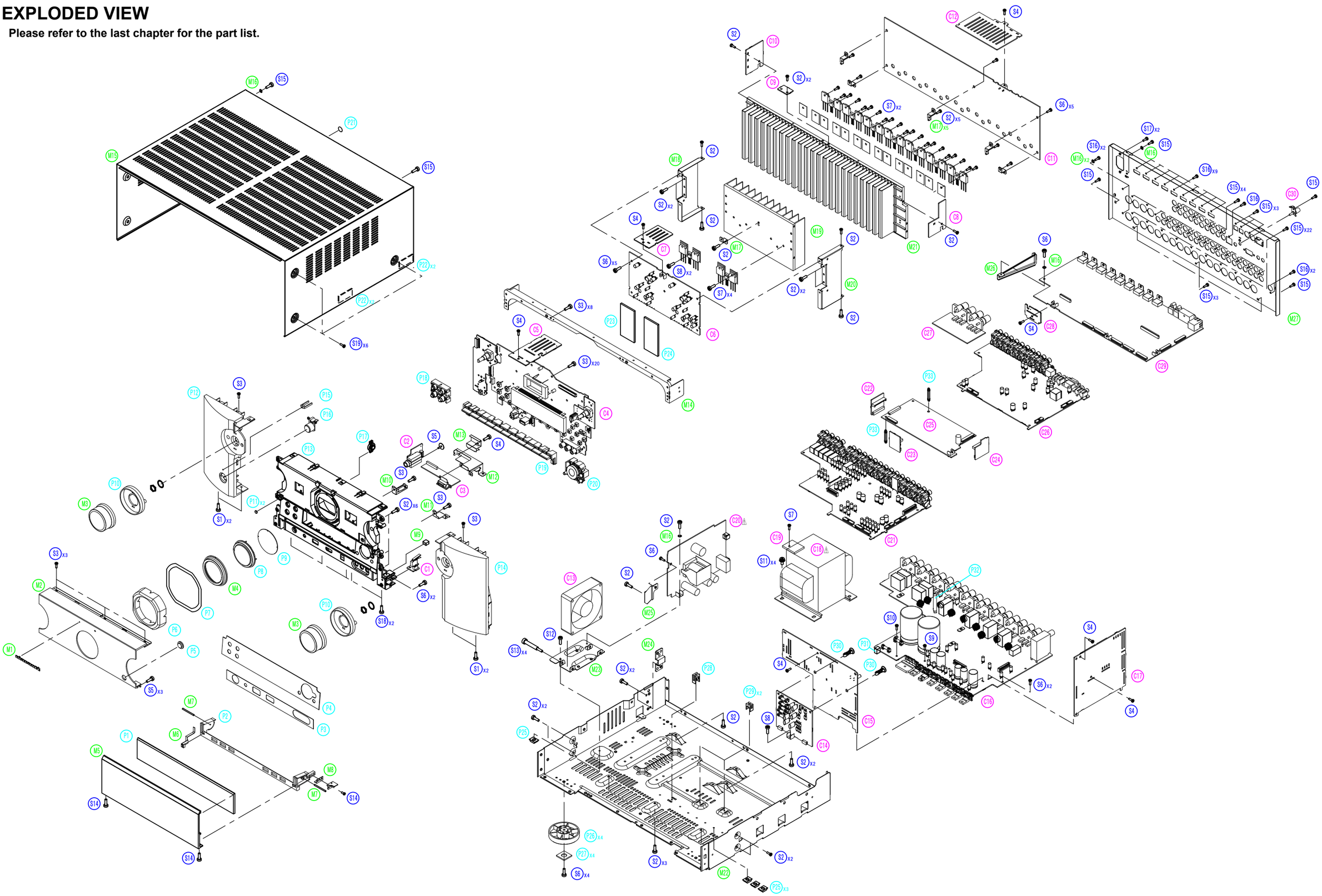
** IMPORTANT SAFETY NOTICE.
COMPONENT IDENTIFIED BY ⚠ MARK HAVE SPECIAL CHARACTERISICS.
IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS
USE ONLY MANUFACTURER'S SPECIFIED PARTS.
** THE UNIT OF RESISTANCE IS OHM.
K = 1000 OHM, M = 1000KOHM.
** THE UNIT OF CAPACITANCE IS MICROFARAD(uF)
pF = 10 ^-6uF.
** 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 (35/35)
SCH35_SMPS

EXPLODED VIEW

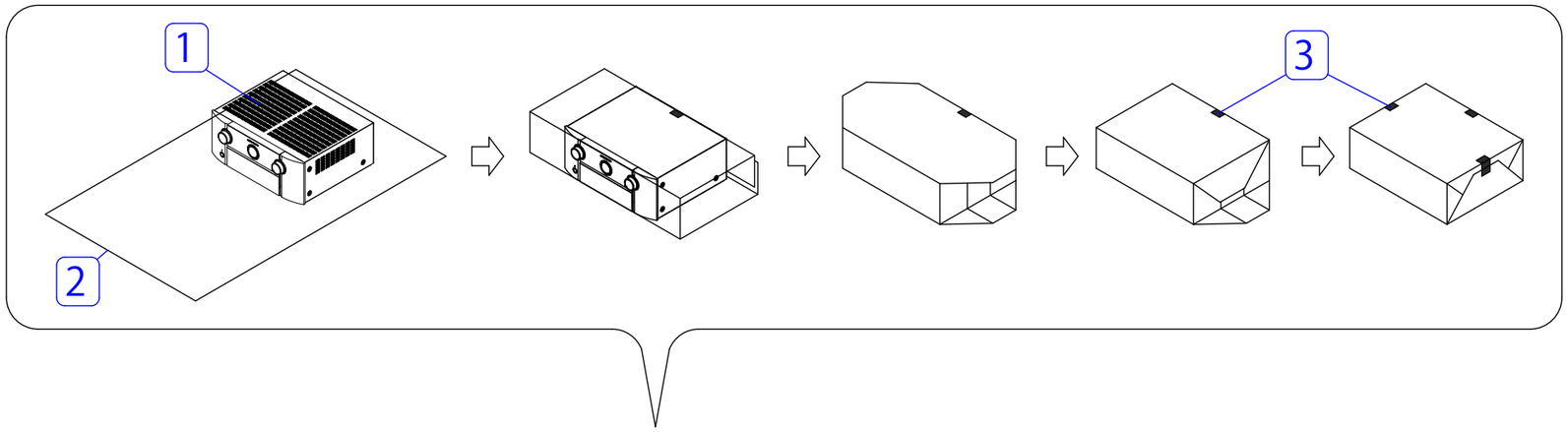
Please refer to the last chapter for the part list.

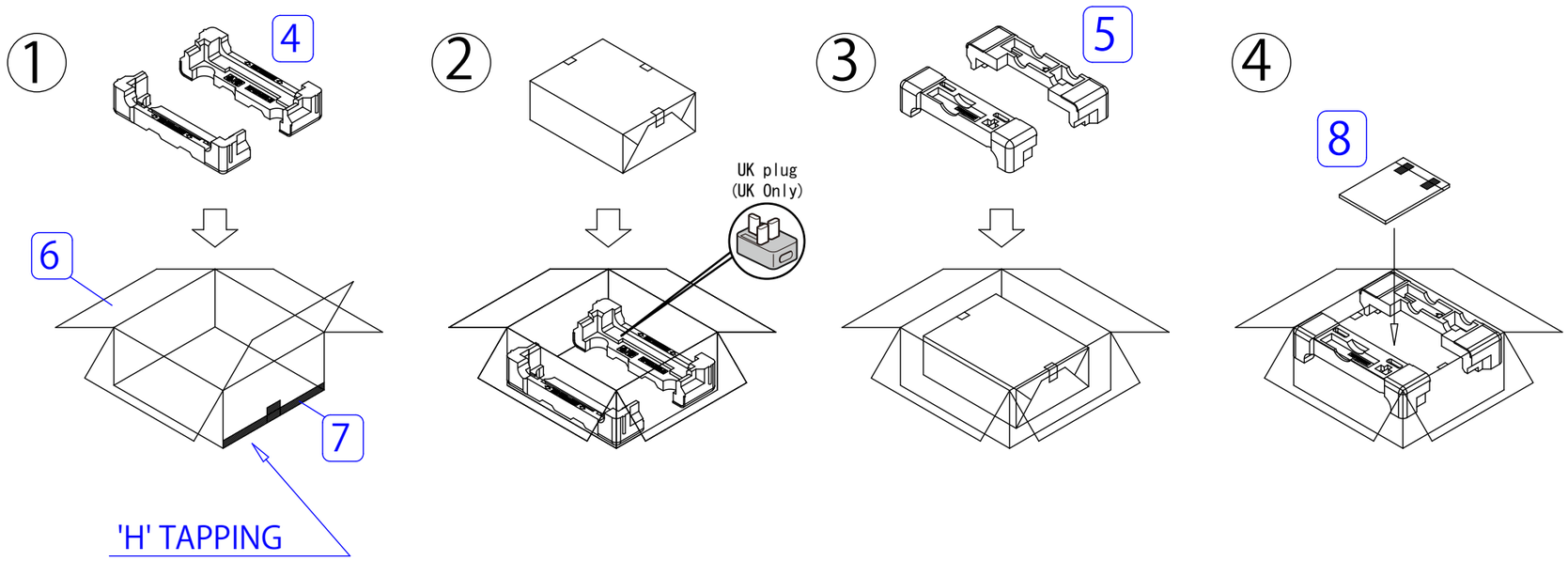


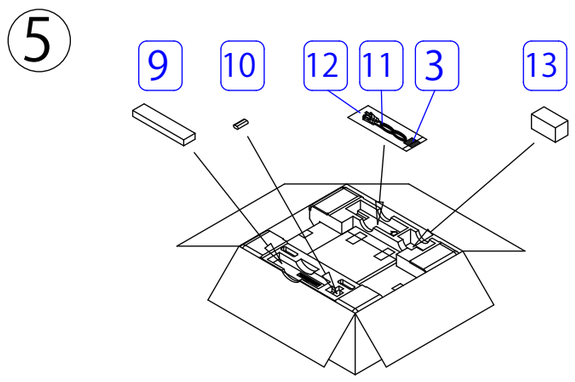
WARNING: **WARNING:**
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

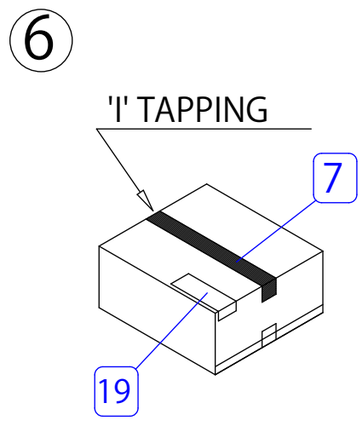
PACKING VIEW

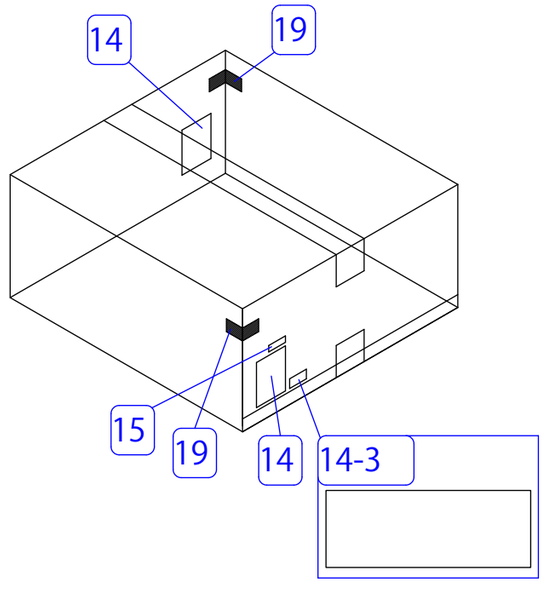
Please refer to the last chapter for the part list.

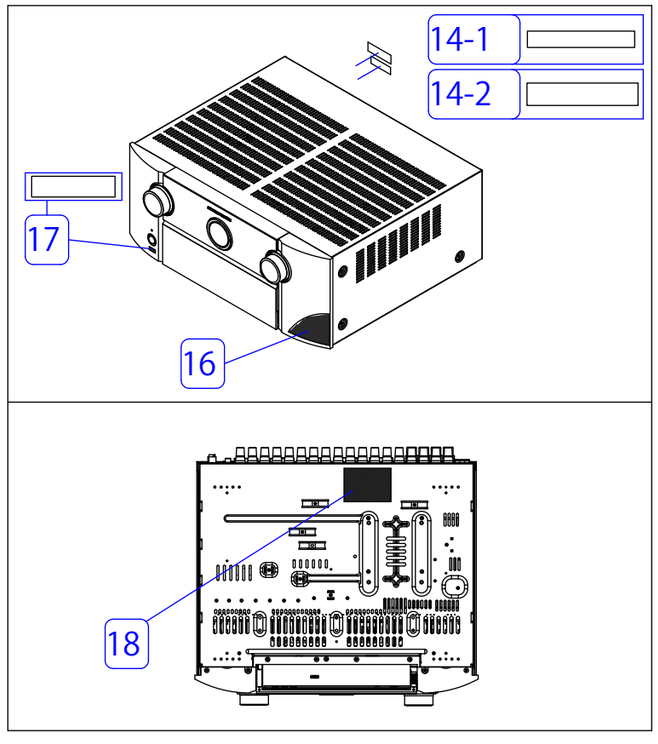










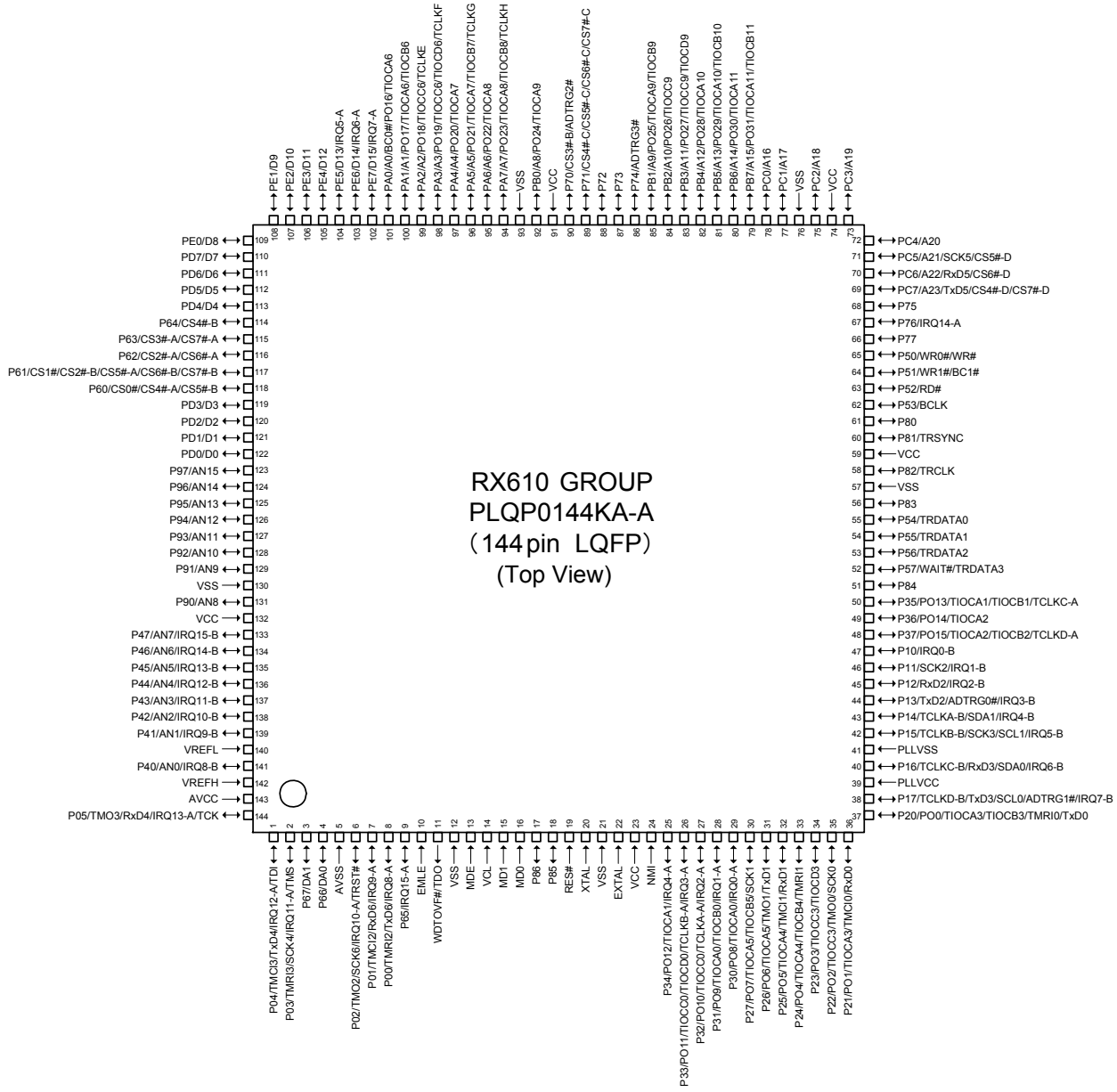


SEMICONDUCTORS

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

R5F56108VNFP (DIGITAL : IC201)



R5F56108VNFP Terminal Functions

Pin	Pin Name	Symbol	I/O	Pull up/ down	LvCnv	STBY	STOP	CEC STBY	Function
1	P04/IRQ12-A/TMCI3/ TxD4/TDI	TDI/TXD MITSUBISHI/ NC(NORMRAL)	I/O/I	M3VPu		-/-/I	-/-/I	I	E20 Emulator control signal/Mitsubishi Programer/Nomal:Input
2	P03/IRQ11-A/TMRI3/ SCK4/TMS	TMS/ NC(NORMRAL)	I/I	M3VPu		-/I	-/I	I	E20 Emulator control signal/ Nomal:Input
3	P67/DA1	NC	O			L	L	L	NC
4	P66/DA0	NC	O			L	L	L	NC
5	AVSS	AVSS	-			-	-	-	GND
6	P02/IRQ10-A/TMO2/ SCK6/TRST#	TRST#/ NC(NORMRAL)	I/I	Pd		I/I	I/I	I	E20 Emulator control signal/ Nomal:Input
7	P01/IRQ9-A/TMCI2/ RxD6	RXD MI232O	I	M3VPu		I	I	I	Data received from the external pin(AMX)/Use for firmware upgrading by DFW.:FFC Connect

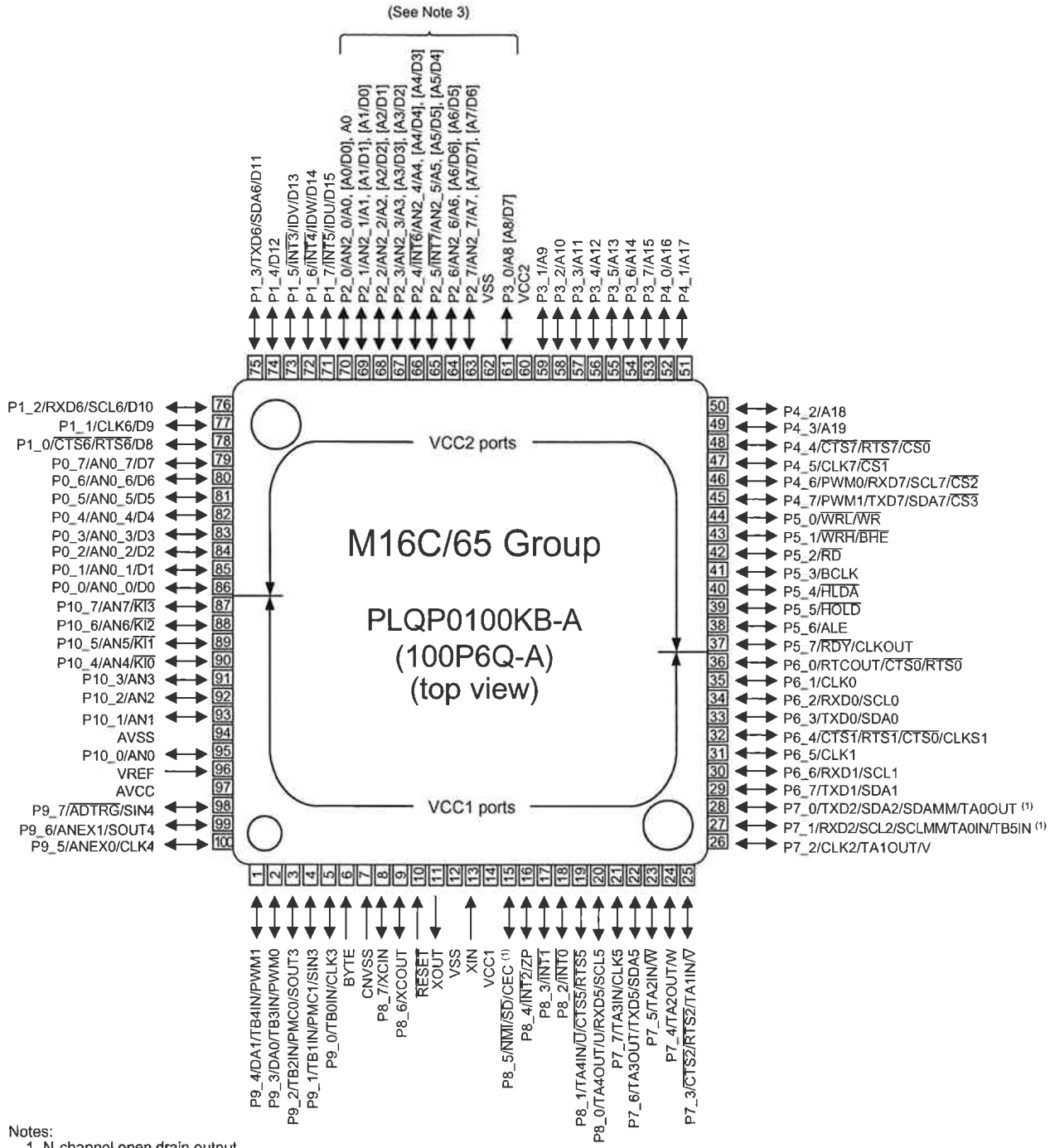
Pin	Pin Name	Symbol	I/O	Pull up/ down	LvCnv	STBY	STOP	CEC STBY	Function
8	P00/IRQ8-A/TMRI2/ TxD6	TXD MO232I	O			L	L	L	Data transfer to external pin(AMX)/Use for firmware upgrading by DFW.:FFC Connect
9	P65/IRQ15-A	POWER KEY	I	M3VPu		I	I	I	POWER KEY (Waiting Mode cancel, interrupt port)
10	EMLE	EMLE	I	Pd		-	-	-	E20Emulator control signal"H":No OP,"L"OP(When CPU-One chip OP., Need to pull down)
11	WDTOVF#/TDO	TDO/WDTOVF#	O/O			-	-	-	E20Emulator control signal
12	VSS	VSS	I			-	-	-	GND
13	MDE	MDE	I	Pd		-	-	-	Endian select(L:LittleEndian)
14	VCL	VCL	I			-	-	-	VSS need to 0.1µF
15	MD1	MD1	I	M3VPu		-	-	-	Select BootMode,UserBootMode(SingleChipMode:SingleChipMode:MD0=1, MD1=1)/ E20Emulato rcontrol signal
16	MD0	MD0	I	M3VPu		-	-	-	
17	P86	CEC POWER2	O			L	L	L	Reserve (CEC POWER2 control)
18	P85	REMOTE POWER(232C)	O			L	L	L	232C POWER SUPPLY (REMOTE 3.3V) control pin.(ON: H)
19	RES#	RESET	I			-	-	-	Reset input (reset: L)
20	XTAL	XTAL	I			-	-	-	Clock input(12MHz(Tentative))
21	VSS	VSS	-			-	-	-	GND
22	EXTAL	EXTAL	-			-	-	-	Clock output(12MHz(Tentative))
23	VCC	VCC	-			-	-	-	+3.3V
24	NMI	NMI	I	M3VPu		-	-	-	NC (PullUp)
25	P34/IRQ4-A/PO12/ TIOCA1	BDOWN	I			I	I	I	Power failure detection pin(Power failure:L)
26	P33/IRQ3-A/PO11/ TIOCC0/TIOCD0/ TCLKB-A	PLDAERR	I			L	L	L	PLD ERROR detection pin
27	P32/IRQ2-A/PO10/ TIOCC0/TCLKA-A	NC	O/I			L/I	L/I	L/I	NC
28	P31/IRQ1-A/PO9/ TIOCA0/TIOCB0	ADV8003 INT1	O			L	L	L	HDMI transmitter / OSD (ADV8003) INT1 output pin
29	P30/IRQ0-A/PO8/ TIOCA0	RC IN	I			I	I	I	Remote control signal input pin
30	P27/PO7/TIOCA5/ TIOCB5/SCK1	HDMI A SEL	O			L	L	L	Remote control signal input pin
31	P26/PO6/TIOCA5/ TMO1/TxD1	NC	O			L/H	L/L	L/H	Unused
32	P25/PO5/TIOCA4/ TMCI1/RxD1	NC	O			L	L	L	Unused
33	P24/PO4/TIOCA4/ TIOCB4/TMRI1	TU RST/HDRADIO RESET	O	SW3VPu		L	L	L	TUNER RESET pin (E3 model)
34	P23/PO3/TIOCC3/ TIOCD3	E RESET	O (ODR)	N3VPu		L	L	L	ETHERNET RESET control pin (DM860)
35	P22/PO2/TIOCC3/ TMO0/SCK0	E POWER	O			L	L	L	ETHERNET POWER SUPPLY (NET3.3V) control pin.(ON:H)
36	P21/PO1/TIOCA3/ TMCI0/RxD0	E_RXDMIEO	I			I	I	I	ETHERNET communication control pin (DM860)
37	P20/PO0/TIOCA3/ TIOCB3/TMRI0/TxD0	E_TXDMOEI	O			L	L	L	ETHERNET communication control pin (DM860)
38	P17/IRQ7-B/ TCLKD-B/TxD3/ SCL0/ADTRG1#	TU SCLK	O/I_O			L	L	L	TUNER control pin
39	PLLVCC	PLLVCC	-			-	-	-	PLL Power
40	P16/IRQ6-B/ TCLKC-B/RxD3/ SDA0	TU SDIO	I/I_O			L	L	L	TUNER control pin
41	PLLVSS	PLLVSS	-			-	-	-	GND
42	P15/IRQ5-B/ TCLKB-B/SCK3/ SCL1	NC	O			L	L	L	NC
43	P14/IRQ4-B/ TCLKA-B/SDA1	NC	O			L	L	L	NC
44	P13/IRQ3-B/TxD2/ ADTRG0#	ADV8003 SPI MO	O			L	L	L	OSD control pin (ADV8003)
45	P12/IRQ2-B/RxD2	ADV8003 SPI MI	I			L	L	L	OSD control pin (ADV8003)
46	P11/IRQ1-B/SCK2	ADV8003 SPI CLK	O			L	L	L	OSD control pin (ADV8003)
47	P10/IRQ0-B	ADV8003 SPI CS	O			L	L	L	OSD control pin (ADV8003)

Pin	Pin Name	Symbol	I/O	Pull up/ down	LvCnv	STBY	STOP	CEC STBY	Function
48	P37/PO15/TIOCA2/ TIOCB2/TCLKD-A	EEPROM SDA	I_O	M3VPu		I	I	I	EEPROM control pin
49	P36/PO14/TIOCA2	EEPROM SCL	O	M3VPu		I	I	I	EEPROM control pin
50	P35/PO13/TIOCA1/ TIOCB1/TCLKC-A	NC	O			L	L	L	NC
51	P84	NC	O			L	L	-	NC
52	P57/WAIT#/ TRDATA3	NC	O			L	L	L	NC
53	P56/TRDATA2	E SPI MOEI	O	N3VPu		L	L	L	ETHERNET communication control pin (DM860)
54	P55/TRDATA1	NC	O			L	L	L	NC
55	P54/TRDATA0	E SPI MIEO	I	N3VPu		I	L	I	ETHERNET communication control pin (DM860)
56	P83	E SPI CLK	O	N3VPu		L	L	L	ETHERNET communication control pin (DM860)
57	VSS	VSS	-			-	-	-	GND
58	P82/TRCLK	FL CE	O			L	L	L	VFD control pin
59	VCC	VCC	-			-	-	-	+3.3V
60	P81/TRSYNC	FL RST	O			L	L	L	VFD control pin
61	P80	ZVOL DATA	O			L	L	L	ZONE VOL(NJW1194) Control
62	BCLK/P53 (Input only)	NC	I/I			I/I	I/I	I/I	NC
63	P52/RD#	ZVOL CLK	O			L	L	L	ZONE VOL(NJW1194) Control
64	P51/WR1#/BC1#	ZVOLSTB	O			L	L	L	ZONE VOL(NJW1194) Control
65	P50/WR0#/WR#	NC	O			L	L	L	NC
66	P77	NC	O			L	L	L	NC
67	P76/IRQ14-A	TU GPO2_INT	I			L	L	L	TUNER GPIO2 input pin
68	P75	SUB UPDATE	O			L	L	L	SUB UPDATEmode control(DPMS/ DENON WRITTER)."L". SUB Program mode "H",then SUB RST.
69	PC7/A23/CS4#-D/ CS7#-D/TxD5	MOSI	O			L	L	L	MAIN-SUB CPU Communication control output
70	PC6/A22/CS6#-D/ RxD5	SOMI	I			I	L	I	MAIN-SUB CPU Communication control output
71	PC5/A21/CS5#-D/ SCK5	CLK MO	O			L	L	L	MAIN-SUB CPU Communication control output
72	PC4/A20	RST SUB	O			L	L	L	MAIN-SUB CPU Communication control output
73	PC3/A19	ACK SIMO	O			L	L	L	MAIN-SUB CPU Communication control output
74	VCC	VCC	-			-	-	-	+3.3V
75	PC2/A18	SUB CPU POWER	O			L	L	L	SUB CPU POWER (H:ON)
76	VSS	VSS	-			-	-	-	GND
77	PC1/A17	GRN LED	O			L	L	L	POWER LED control pin(ON:H)
78	PC0/A16	RED LED	O			L/H	L	H	POWER/STANDBY LED control pin (ON:H)
79	PB7/A15/PO31/ TIOCA11/TIOCB11	H/P RL	O			L	L	L	HEADPHONE RLY control pin
80	PB6/A14/PO30/ TIOCA11	FRONT RL	O			L	L	L	FRONT Ch RELAY control pin
81	PB5/A13/PO29/ TIOCA10/TIOCB10	NC	O			L	L	L	NC
82	PB4/A12/PO28/ TIOCA10	TU_SEN	O			L	L	L	TUNER control pin
83	PB3/A11/PO27/ TIOCC9/TIOCD9	C/S RL	O			L	L	L	CENTER/SURROUND Ch RELAY control pin
84	PB2/A10/PO26/ TIOCC9	SB RL	O			L	L	L	SURROUND-BACK Ch RELAY control pin
85	PB1/A9/PO25/ TIOCA9/TIOCB9	D5V POWER	O			L	L	H	DIGITAL POWER SUPPLY (D3.3V) control pin (ON:H)
86	P74/ADTRG3#	FH RL	O			L	L	L	RELAY control
87	P73	FW RL	O			L	L	L	RELAY control
88	P72	NC	O			L	L	L	NC
89	P71/CS4#-C/ CS5#-C/CS6#-C/ CS7#-C	NC	O			L	L	L	NC
90	P70/CS3#-B/ ADTRG2#	NC	O			L	L	L	NC
91	VCC	VCC	-			-	-	-	+3.3V

Pin	Pin Name	Symbol	I/O	Pull up/ down	LvCnv	STBY	STOP	CEC STBY	Function
92	PB0/A8/PO24/ TIOCA9	NC	O/I			L	L	L	NC
93	VSS	VSS	-			-	-	-	GND
94	PA7/A7/PO23/ TIOCA8/TIOCB8/ TCLKH	NC	O			L	L	L	NC
95	PA6/A6/PO22/ TIOCA8	VSEL A	I			I	I	I	Master Volume rotation detection pin(Rotary encoder)
96	PA5/A5/PO21/ TIOCA7/TIOCB7/ TCLKG	VSEL B	I			I	I	I	Master Volume rotation detection pin(Rotary encoder)
97	PA4/A4/PO20/ TIOCA7	E POWER 2 (Reserve)	O			L	L	L	Unused
98	PA3/A3/PO19/ TIOCC6/TIOCD6/ TCLKF	DAC(ETHER) MUTE	O			L	L	L	DAC (ETHER) MUTE control pin (PCM5100 for DM860)
99	PA2/A2/PO18/ TIOCC6/TCLKE	PRE Z2 MUTE	O			L	L	L	Z2 PRE OUT MUTE control pin
100	PA1/A1/PO17/ TIOCA6/TIOCB6	SB MUTE	O			L	L	L	SB PRE OUT MUTE Control
101	PA0/A0/BC0#/PO16/ TIOCA6	PRE MUTE	O			L	L	L	Sub Woofer PRE OUT MUTE control pin
102	PE7/IRQ7-A/D15	PRE Z3 MUTE	O			L	L	L	PRE OUT MUTE Control
103	PE6/IRQ6-A/D14	NC	O			L	L	L	NC
104	PE5/IRQ5-A/D13	REQ SOMI	I			I	L	I	MAIN-SUB CPU Communication control output
105	PE4/D12	ISEL A	I			I	I	I	Input Selector rotation detection pin(Rotary encoder)
106	PE3/D11	ISEL B	I			I	I	I	Input Selector rotation detection pin(Rotary encoder)
107	PE2/D10	VOL CLK	O			L	L	L	FUNCTION / VOLUME control pin (R2A15218)
108	PE1/D9	VOL DATA	O			L	L	L	FUNCTION / VOLUME control pin (R2A15218)
109	PE0/D8	NC	O			L	L	L	NC
110	PD7/D7	NC	O			L	L	L	NC
111	PD6/D6	NC	O			L	L	L	NC
112	PD5/D5	ASO DET	I			I	I	I	PROTECTION (ASO)
113	PD4/D4	DC DET	I			I	I	I	PROTECTION (DC DET)
114	P64/CS4#-B	TRIGGER OUT 2	O			L	L	L	TRIGGER OUT Control
115	P63/CS3#-A/CS7#-A	TRIGGER OUT 1	O			L	L	L	TRIGGER OUT Control
116	P62/CS2#-A/CS6#-A	E SPI CS	O	N3VPu		L	L	L	ETHERNET communication control pin(DM860)
117	P61/CS1#/CS2#-B/ CS5#-A/CS6#-B/ CS7#-B	Reserved(Hi-B RL)	O			L	L	L	Reserved(HIGH B RELAY Control)
118	P60/CS0#/CS4#-A/ CS5#-B	NC	O			L	L	L	NC
119	PD3/D3	NC	O			L	L	L	NC
120	PD2/D2	NC	O			L	L	L	NC
121	PD1/D1	FL CLK	O			L	L	L	VFD control pin
122	PD0/D0	FL DATA	O			L	L	L	VFD control pin
123	P97/AN15	THERMAL C	I			I	L	I	PROTECTION Detect(Heat Sink)
124	P96/AN14	THERMAL D	I			I	L	I	PROTECTION Detect(Heat Sink)
125	P95/AN13	THERMAL A	I			I	L	I	PROTECTION Detect(P.TR)
126	P94/AN12	THERMAL B	I			I	L	I	PROTECTION Detect(P.TR)
127	P93/AN11	MAIN POWER	O			L	L	L	MAIN POWER control pin
128	P92/AN10	CPU POWER	O			L	L	L	CPU INTERFACE POWER SUPPLY (SWM3.3V & SWM5V) control pin (POWER ON:H,CEC ON STANDBY:H)
129	P91/AN9	NC	O			L	L	L	NC
130	VSS	VSS	-			-	-	-	GND
131	P90/AN8	MODE	I			I	I	I	Destination detection pin
132	VCC	VCC	-			-	-	-	+3.3V
133	P47/IRQ15-B/AN7	MIC DET	I			I	I	I	MIC Detec(Active:H)
134	P46/IRQ14-B/AN6	H/P DET	I			I	I	I	Headphone Detect(Active:H)
135	P45/IRQ13-B/AN5	KEY3	I	SW3VPu		I	I	I	Button input 3
136	P44/IRQ12-B/AN4	KEY2	I	SW3VPu		I	I	I	Button input 2
137	P43/IRQ11-B/AN3	KEY1	I	SW3VPu		I	I	I	Button input 1

Pin	Pin Name	Symbol	I/O	Pull up/ down	LvCnv	STBY	STOP	CEC STBY	Function
138	P42/IRQ10-B/AN2	E SPI REQ	I	Pd		I	L	I	ETHERNET communication control pin(DM860)
139	P41/IRQ9-B/AN1	NC	O			L	L	L	NC
140	AVSS	AVSS	-			-	-	-	GND
141	P40/IRQ8-B/AN0	NC	O			L	L	L	NC
142	VREF	VREF	-			-	-	-	Reference voltage (+3.3V) input pin for A/D port
143	AVCC	AVCC	-			-	-	-	+3.3V
144	P05/IRQ13-A/TMO3/ RxD4/TCK	TCK/RXD MITSUBISHI/ NC(NORMRAL)	I/I/I	M3VPu		-/-/I	-/-/I	I	E20 Emulator control signal/ Mitsubishi Programer/Nomal OP.:Input

R5F3650KNFB (DIGITAL : IC231)



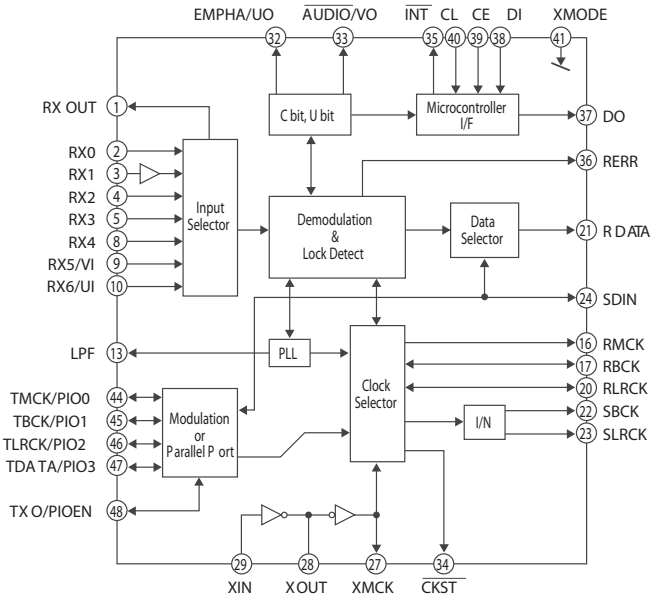
Notes:
1. N-channel open drain output.
2. Check the position of Pin 1 by referring to appendix 1, Package Dimensions.
3. Pin names in brackets [ ] represent a single functional signal. They should not be considered as two separate functional signals.

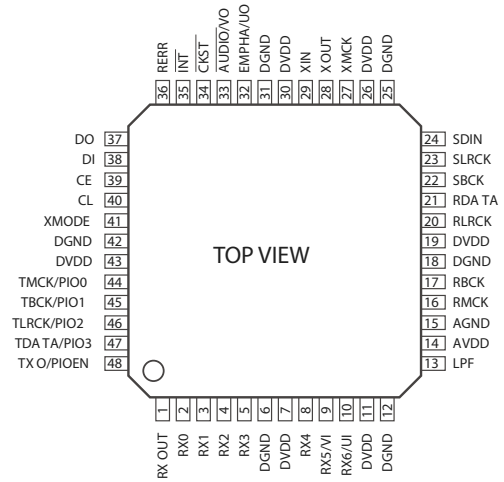
R5F3650KNFB Terminal Functions

Pin	Pin Name	Synbol	I/O	Type	Pu/Pd (Ext.)	CEC STBY	P.OFF	Function
1	P94	NC	I	-	Pd	-	Z	NC
2	P93	DIR CE	O	C	-	O/L	Z	DIR control pin
3	P92/SOUT3	DIR DIN	O	C	-	O/L	Z	DIR control pin
4	P91/SIN3	DIR DOUT	I	-	DA3.3Pu	-	Z	DIR control pin
5	P90/CLK3	DIR CLK	O	C	-	O/L	Z	DIR control pin
6	BYTE	BYTE	-	-	-	-	-	GND(Ext. data bus bit width switching, 16bit : L)
7	CNVCS	CNVSS	-	-	Pd	-	-	Single-chip/Micro-processor mode switching (Normal single-chip : L, Rewrite boot program start : H input set)
8	P87	ADC RST	O	C	-	O/L	Z	AD control pin
9	P86	NC	O	C	-	O/L	Z	NC
10	RESET	$\overline{\text{SUBRESET}}$	I	-	SCPU3VPu	-	Z	Reset input
11	XOUT	X1	O	-	-	-	-	Oscillator connection
12	VSS	VSS	-	-	-	-	-	GND
13	XIN	X2	I	-	-	-	-	Oscillator connection
14	VCC	VCC	-	-	-	-	-	+3.3V
15	P85(N)/(NMI)/ (CEC)	NC	I	-	Pd	-	-	NC
16	P84/INT2	CEC_IN	I	-	SCPU3VPu	-	Z	CEC-D signal input pin
17	P83/INT1	ACK SIMO	I	-	-	-	Z	MAIN-SUB ucom communication control input pin MAIN ucom Hack from the main "L" Return)
18	P82/INT0	$\overline{\text{SUB BDOWN}}$	I	-	-	-	Z	Power failure detect(Power failure:L)
19	P81	NC	O	C	-	-	Z	NC
20	P80/(RXD5)	NC	O	C	-	-	Z	NC
21	P77/(CLK5)	SUB TDO	I	-	-	O/L	Z	PLD rewriting control (JTAG)
22	P76/(TXD5)	A PLD CS /"D/M"	O	C	-	-	O/L	A PLD control pin/ DENON WRITTER/ MITSUBISHI rewritten for determining (DW :L)
23	P75	A PLD DATA	O	C	-	O/L	Z	A PLD control pin
24	P74	A PLD CLK	O	C	-	O/L	Z	A PLD control pin
25	P73/CTS2	NC	I	-	Pd	-	Z	NC
26	P72/CLK2	DA POWER	O	C	-	-	Z	DIGITAL power (DA3.3V,DA1.1V) ON/OFF control (H: ON)
27	P71(N)/RXD2/ SCLMM	HSCL(400k)	I/O	N	CEC3VPu	O/L	O/L	VIDEO I2C- ADV8003/ADV7850/SiI9575
28	P70(N)/TXD2/ SDAMM	HSDA(400k)	I/O	N	CEC3VPu	O/L	O/L	VIDEO I2C- ADV8003/ADV7850/SiI9575
29	P67/TXD1	TXD	O	C	SCPU3VPu	-	Z	Data transmission output to external
30	P66/RXD1	RXD	I	-	SCPU3VPu	-	Z	Data reception input from the external
31	P65/CLK1/SCLK	SCLK	I	-	Pd	-	Z	Emulator communication pin
32	P64/CTS1	HIN SELA	O	C	-	O/L	Z	For HDMI +5V selection(TC4051)
33	P63/TXD0	SOMI	O	C	-	-	Z	MAIN-SUB ucom communication control pin
34	P62/RXD0	SIMO	I	-	-	-	Z	MAIN-SUB ucom communication control pin
35	P61/CLK0	CLK SIMO	I	-	-	-	Z	MAIN-SUB ucom communication control pin
36	P60/CTS0	REQ SOMI	O	C	-	-	Z	MAIN-SUB ucom communication control pin
37	P57	TMDS SW RST RST	O	C	SCPU3VPu	-	Z	HDMI SWITCHER TMDS SW RST RST Reset pin
38	P56	DV POWER2	O	C	-	-	Z	DIGITAL.VIDEO power control pin (DV1.8V)
39	P55/EPM	EPM	I	-	Pd	-	Z	Rewite boot program start:L input set
40	P54	CEC_OUT	O	C	-	-	Z	CEC-D signal output pin
41	P53	NC	I	-	Pd	I	Z	NC
42	P52	HIN SELC	I	-	SCPU3VPu	I	Z	For HDMI +5V selection(TC4051)
43	P51	HIN SELB	O	C	-	O/L	Z	For HDMI +5V selection(TC4051)
44	P50/CE	CE	O/I	C	SCPU3VPu	-	Z	Rewite boot program start:H input set
45	P47/(TXD7)/ SDA7	VSDA	I/O	C	DV3VPu	-	O/L	VIDEO SELECT IC(ADVM2000)
46	P46/(RXD7)/ SCL7	VSCL	I/O	C	DV3VPu	-	O/L	VIDEO SELECT IC(ADVM2000)
47	P45/(CLK7)	ADV8003 INT1	I	-	-	-	Z	HDMI ADV8003 INT output
48	P44	ADV8003 INT2	I	-	-	-	Z	HDMI ADV8003 INT output
49	P43	HDMI A.SEL	O	C	-	O/L	Z	HDMI AUDIO switch (H : DSP course, L : HDMI Rx→Tx through)(TC74VHC244)
50	P42	NC	I	-	Pd	I	Z	NC
51	P41	CEC POWER	O	C	-	O/H	Z	Power ON (CEC5V,CEC3.3V,CEC1.8V) for CEC STANDBY
52	P40	CEC SEL(33)	I	-	Pd	-	Z	CEC output LINE switching
53	P37	ADV7850 RST	O	C	SCPU3VPu	-	Z	Reset for HDMI(ADV7850)

Pin	Pin Name	Synbol	I/O	Type	Pu/Pd (Ext.)	CEC STBY	P.OFF	Function
54	P36	ADV8003 RST	O	C	SCPU3VPu	-	Z	Reset for HDMI(ADV8003)
55	P35	NC	O	C	-	-	Z	NC
56	P34	NC	O	C	-	-	Z	S signal presence detection input (Connected: H)
57	P33	NC	O	C	-	-	Z	NC
58	P32	DAC MDI	O	C	-	O/L	Z	DAC control pin(ASK4358)
59	P31	DAC MC	O	C	-	O/L	Z	DAC control pin(ASK4358)
60	VCC	VCC	-	-	-	-	-	+3.3V
61	P30	DAC MS	O	C	-	O/L	Z	DAC control pin(ASK4358)
62	VSS	VSS	-	-	-	-	-	GND
63	P27	DAC RST	O	C	-	O/L	Z	DAC control pin(ASK4358)
64	P26	DV POWER	O	C	-	MODE1=O/ MODE2=O/ L	Z	DIGITAL VIDEO power control pin (DV5V,DV3.3V)
65	P25/INT7	ADV7850 INT1	I	-	-	-	Z	HDMI RECEIVER(ADV7850)INT output
66	P24/INT6	ADV7850 INT2	I	-	-	-	Z	HDMI RECEIVER(ADV7850)INT output
67	P23	SUB TMS	O	C	DA3.3Pu	-	Z	PLD rewriting control (JTAG)
68	P22	NC	I	-	Pd	-	Z	NC
69	P21	NC	O	C	-	-	Z	NC
70	P20	NC	O	C	-	-	Z	NC
71	P17/INT5	SII INT	I	-	-	-	Z	HDMI Sil9575 INT output
72	P16/INT4	NC	O	-	-	-	Z	NC
73	P15/INT3	H5V DET	I	-	-	-	Z	HDMI IN 5V DET
74	P14	NC	I	-	Pd	-	Z	NC
75	P13/TXD6	DSP MOSI	O	C	DA3VPu	O/L	Z	DSP control pin
76	P12/RXD6	DSP MISO	I	-	DA3VPu	-	Z	DSP control pin
77	P11/CLK6	DSPICLK	O	C	DA3VPu	O/L	Z	DSP control pin
78	P10	NC	O	C	-	-	Z	VIDEO IN signal presence detection input(Signal input:H)
79	P07	SUB TDI	O	C	DA3.3Pu	O/L	Z	PLD rewriting control (JTAG)
80	P06	NC	O	C	-	-	Z	NC
81	P05	NC	O	C	-	O/L	Z	ZONE2 image input switch (INPUT select)
82	P04	NC	O	C	-	O/L	Z	ZONE2 image input switch (INPUT select)
83	P03	SUB TCK	O	C	Pd	-	Z	PLD rewriting control (JTAG)
84	P02	NC	O	C	-	O/L	O/L	NC
85	P01	NC	O	C	-	O/L	O/L	NC
86	P00	DIR RST1	O	C	-	O/L	O/L	DIR control pin (LC89058W-VF4A)
87	P107/(AN7)	DSP RST	O	C	-	O/L	Z	DSP reset output pin (Reset:L)
88	P106/(AN6)	NC	I	-	Pd	-	Z	NC
89	P105/(AN5)	DSP ROMRST	O	C	-	O/L	Z	Memory reset for DSP(Reset:L)
90	P104/(AN4)	NC	O	-	-	-	Z	NC
91	P103/(AN3)	DSP FLAG0	I	-	Pd	-	Z	DSP control pin
92	P102/(AN2)	DSPICS	O	C	DA3VPu	O/L	Z	DSP control pin
93	P101/(AN1)	NC	I	-	Pd	-	Z	NC
94	AVSS	AVSS	-	-	-	-	-	AD GND
95	P100/(AN0)	NC	I	-	Pd	-	Z	NC
96	VREF	VREF	-	-	-	-	-	AD standard +3.3V
97	AVCC	AVCC	-	-	-	-	-	AD +3.3V
98	P97/(SIN4)	Tx EN	O	C	-	-	Z	AD8195 ENABLE pin for Front HDMI control
99	P96/(SOUT4)	NC	I	-	Pd	-	Z	NC
100	P95/(CLK4)	NC	I	-	Pd	-	Z	NC

LC89057W-VF4A (DIGITAL : IC403)





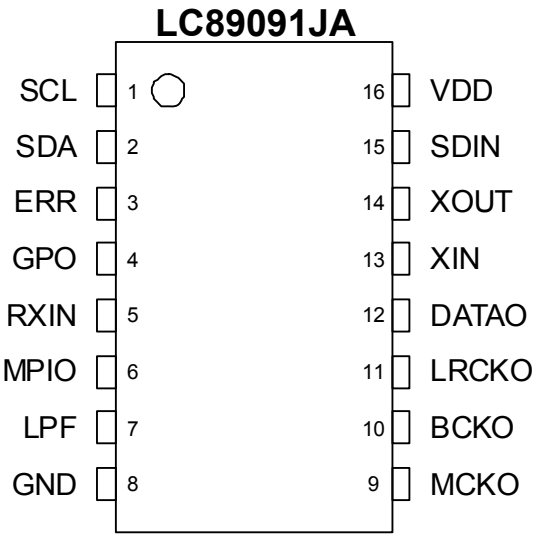
LC89057W-VF4A Terminl Function

Pin No.	Pin Name	I/O	Function
1	RXOUT	O	Input bi-phase select data output ter minal
2	RX0	I	TTL compatib le digital data input ter minal
3	RX1	I	Coaxial compatib le amp b uilt-in digital data input ter minal
4	RX2	I	TTL compatib le digital data input ter minal
5	RX3	I	TTL compatib le digital data input ter minal
6	DGND	-	Digital GND
7	DVDD	-	Digital po wer
8	RX4	I	TTL compatib le digital data input ter minal
9	RX5/VI	I	TTL compatib le digital data/V alidity flag input ter minal for modulation
10	RX6/UI	I	TTL compatib le digital data/User data input ter minal for modulation
11	DVDD	-	Digital po wer for PLL
12	DGND	-	Digital GND f or PLL
13	LPF	O	PLL loop filter connecting ter minal
14	AVDD	-	Analog po wer for PLL
15	AGND	-	Analog GND f or PLL
16	RMCK	O	RMCK cloc k output ter minal (256fs , 512fs , XIN, VCO)
17	RBCK	O/I	RBCK cloc k in/output terminal (64fs)
18	DGND	-	Digital GND
19	DVDD	-	Digital po wer
20	RLRCK	O/I	RLRCK cloc k in/output terminal (fs)
21	RD ATA	O	Ser ial audio data output ter minal
22	SBCK	O	SBCK cloc k output ter minal (32fs , 64fs , 128fs)
23	SLRCK	O	SLRCK cloc k output ter minal (fs/2, fs , 2fs)
24	SDIN	I	Ser ial audio data input ter minal
25	DGND	-	Digital GND
26	DVDD	-	Digital po wer
27	XMCK	O	Osc. amp output ter minal

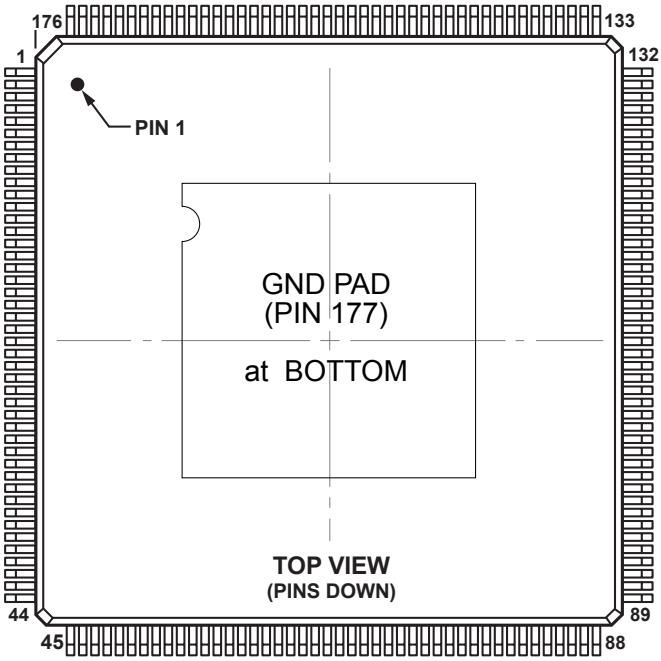
Pin No.	Pin Name	I/O	Function
28	XOUT	O	X tal osc. connecting output ter minal
29	XIN	I	X tal osc. connection, e xternal cloc k input ter minal (24.576MHz or 12.288MHz)
30	DVDD	-	Digital po wer
31	DGND	-	Digital GND
32	EMPHA/UO	I/O	Emphasis inf ormation/U-data output/Chip address setting ter minal
33	AUDIO/V O	I/O	Non-PCM detect/V -flag output/ Chip address setting ter minal
34	CKST	I/O	Cloc k s witch transition per iod output/Demodulation master or sla ve function s witching ter minal
35	INT	I/O	Interr upt output for ∝com (Interr upt factor selectab le)/Modulation or gener al I/O s witching ter minal
36	RERR	O	PLL loc k error , data error flag output
37	DO	O	∝com I/F, read out data output ter minal (3-state)
38	DI	I	∝com I/F, wr ite data input ter minal
39	CE	I	∝com I/F, chip enab le input ter minal
40	CL	I	∝com I/F, cloc k input ter minal
41	XMODE	I	System reset input ter minal
42	DGND	-	Digital GND
43	DVDD	-	Digital po wer
44	TMCK/PIO0	I/O	256fs system cloc k input for modulation/Gener al I/O in/output ter minal
45	TBCK/PIO1	I/O	64fs bit cloc k input for modulation/Gener al I/O in/output ter minal
46	TLRCK/PIO2	I/O	fs cloc k input for modulation/Gener al I/O in/output ter minal
47	TD ATA/PIO3	I/O	Ser ial audio data input f or modulation/Gener al I/O in/output ter minal
48	TXO/PIOEN	O/I	Modulation data output/ Gener al I/O enab le input ter minal

* For latch-up countermeasure, perform each power supply ON/OFF in the same timing.

LC89091JA (DIGITAL : IC404, IC405)



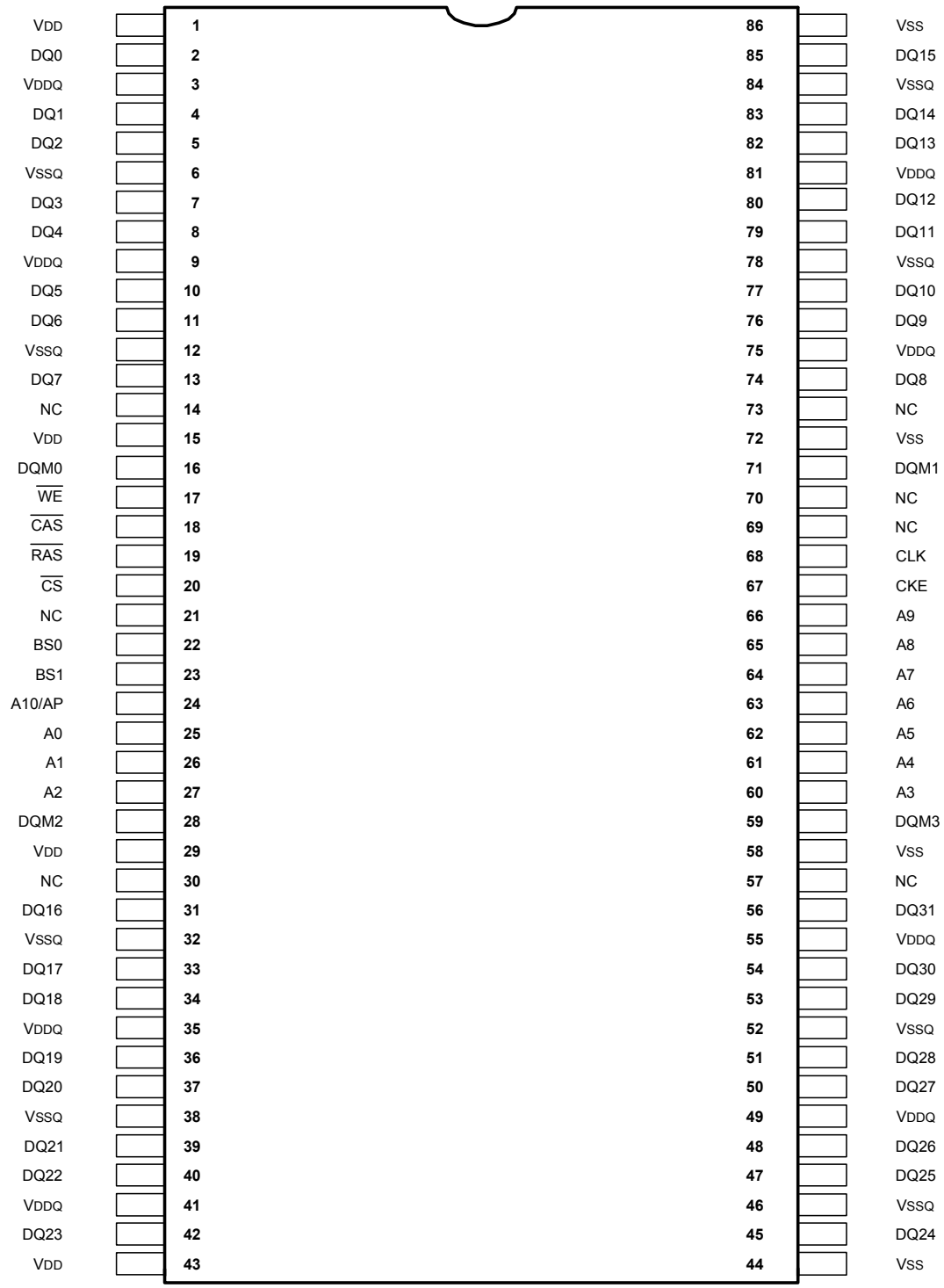
ADSP21487KSWZ-3B/4B (DIGITAL : IC408/IC421)



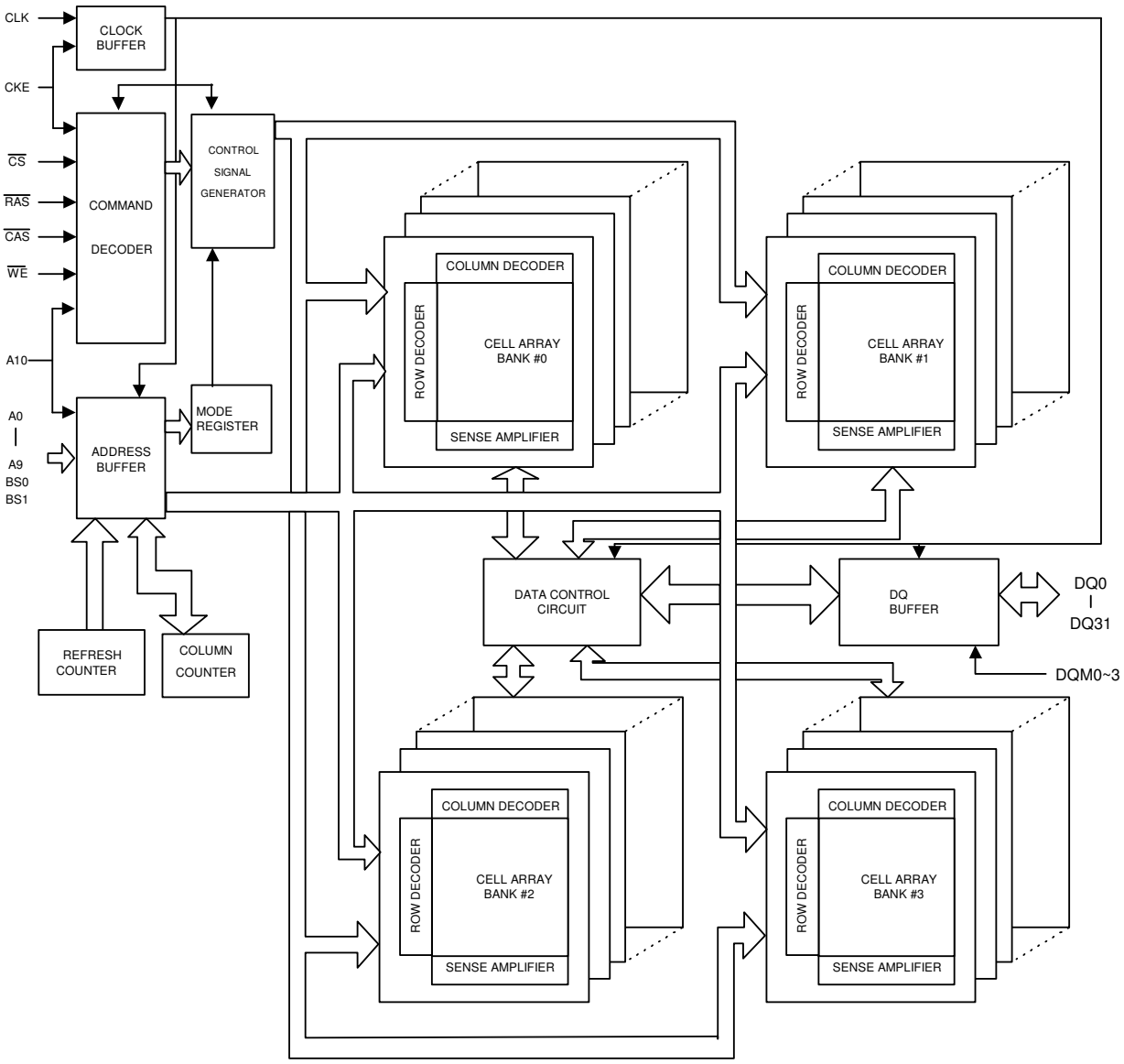
ADSP21487KSWZ Terminal Function

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*

W9864G6JH-6 (DIGITAL : IC409)



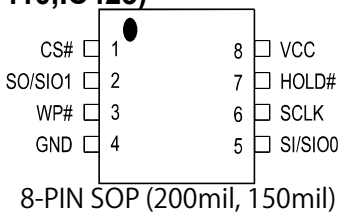
W9864G6JH-6 Block diagram



W9864G6JH-6 Pin description

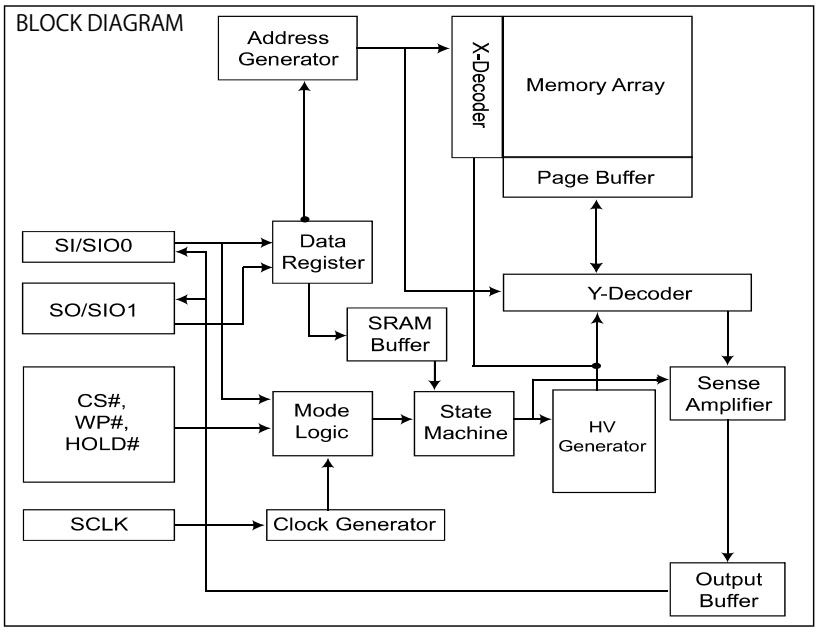
PIN NUMBER	PIN NAME	FUNCTION	DESCRIPTION
24, 25, 26, 27, 60, 61, 62, 63, 64, 65, 66	A0−A10	Address	Multiplexed pins for row and column address. Row address: A0−A10. Column address: A0−A7. A10 is sampled during a precharge command to determine if all banks are to be precharged or bank selected by BS0,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

MX25L1606EM2I-12G(DIGITAL:IC410,IC423)



8-PIN SOP (200mil, 150mil)

MX25L1606EM2I-12G Block Diagram



PCM5100 (DIGITAL:IC552,553)

PCM510X (top view)

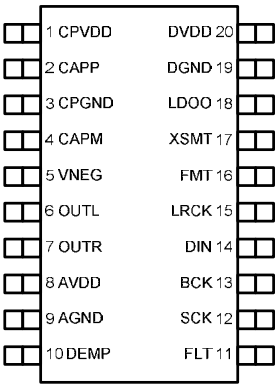


Table 2. TERMINAL FUNCTIONS, PCM510x

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

PCM5100 Block Diagram

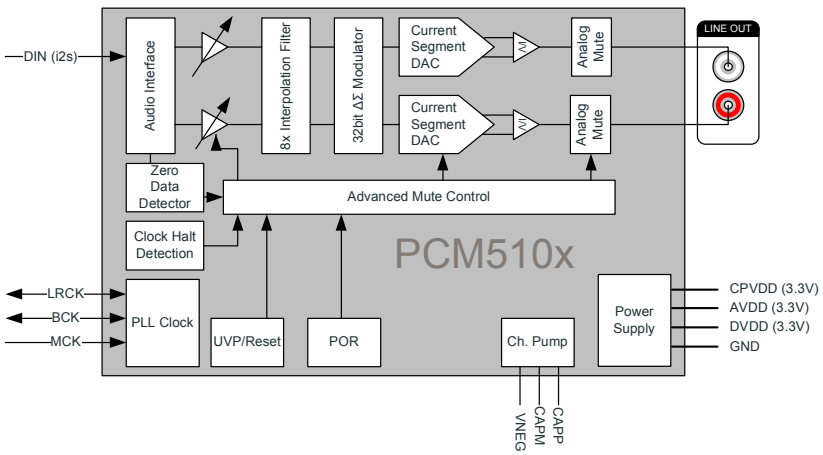
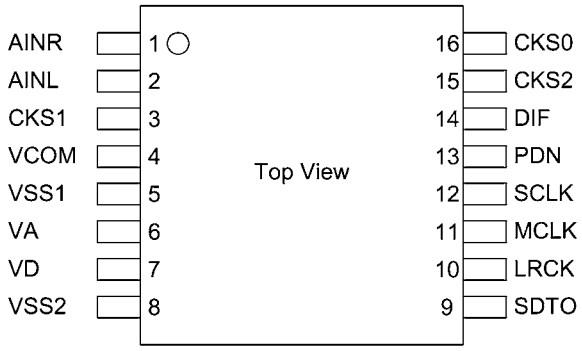


Figure 1. PCM510x Functional Block Diagram

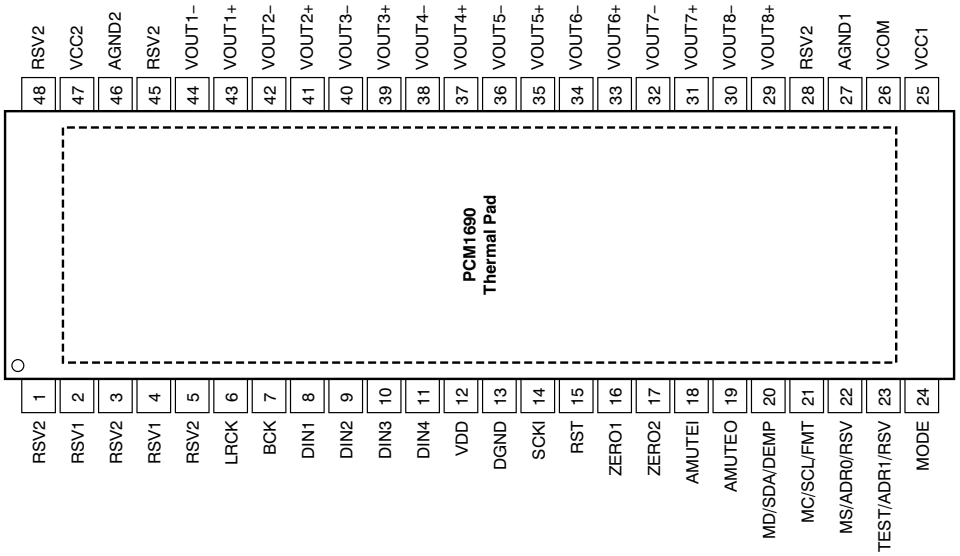
AK5358BET (DIGITAL : IC451)



AK5358BET Pin Function

No.	Pin Name	I/O	Function
1	AINR	I	Rch Analog Input Pin
2	AINL	I	Lch Analog Input Pin
3	CKS1	I	Mode Select 1 Pin
4	VCOM	O	Common Voltage Output Pin, VA/2 Bias voltage of ADC input.
5	VSS1	-	Ground Pin
6	VA	-	Analog Power Supply Pin, 4.5 ~ 5.5V
7	VD	-	Digital Power Supply Pin, 2.7 ~ 5.5V
8	VSS2	-	Ground Pin
9	SDTO	O	Audio Serial Data Output Pin "L" Output at Power-down mode.
10	LRCK	I/O	Output Channel Clock Pin "L" Output in Master Mode at Power-down mode.
11	MCLK	I	Master Clock Input Pin
12	SCLK	I/O	Audio Serial Data Clock Pin "L" Output in Master Mode at Power-down mode.
13	PDN	I	Power Down Mode & Reset Pin "H": Power up, "L": Power down & Reset
14	DIF	I	Audio Interface Format Pin "H": 24bit I^2S Compatible, "L": 24bit MSB justified
15	CKS2	I	Mode Select 2 Pin
16	CKS0	I	Mode Select 0 Pin

PCM1690(DIGITAL:IC441,IC541)



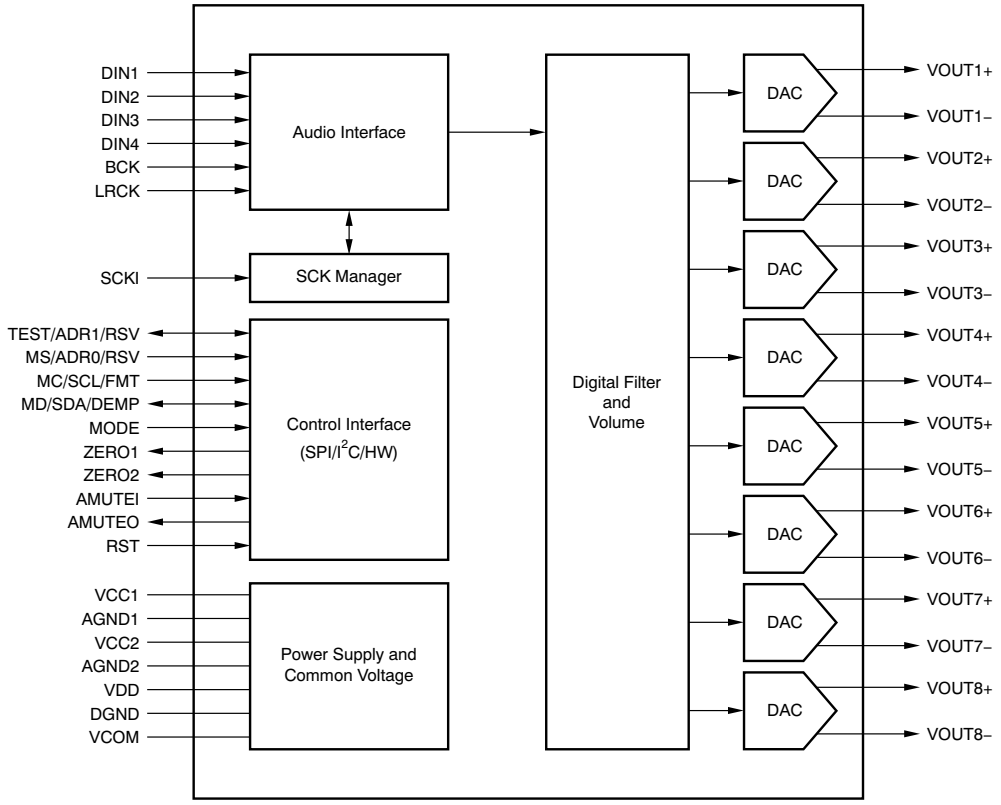
PCM1690 Pin Function

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

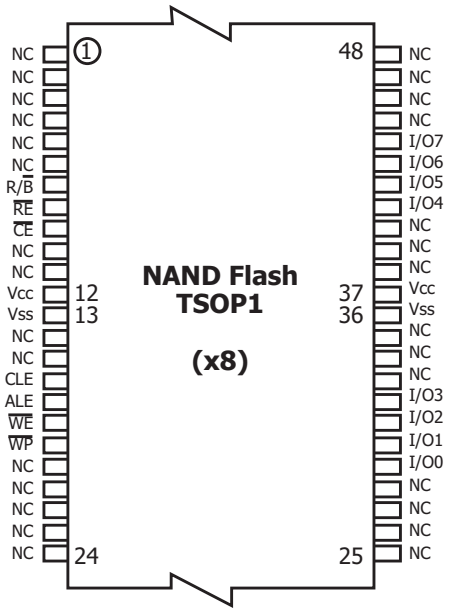
TERMINAL		I/O	PULL-DOWN	5-V TOLERANT	DESCRIPTION
NAME	PIN				
VOUT1+	43	O	No	No	Positive analog output from DAC1
VOUT1-	44	O	No	No	Negative analog output from DAC1
RSV2	45	—	—	—	Reserved, tied to analog ground
AGND2	46	—	—	—	Analog ground 2
VCC2	47	—	—	—	Analog power supply 2, +5 V
RSV2	48	—	—	—	Reserved,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

(1) Open-drain configuration in out mode.

PCM1690 FUNCTIONAL BLOCK DIAGRAM



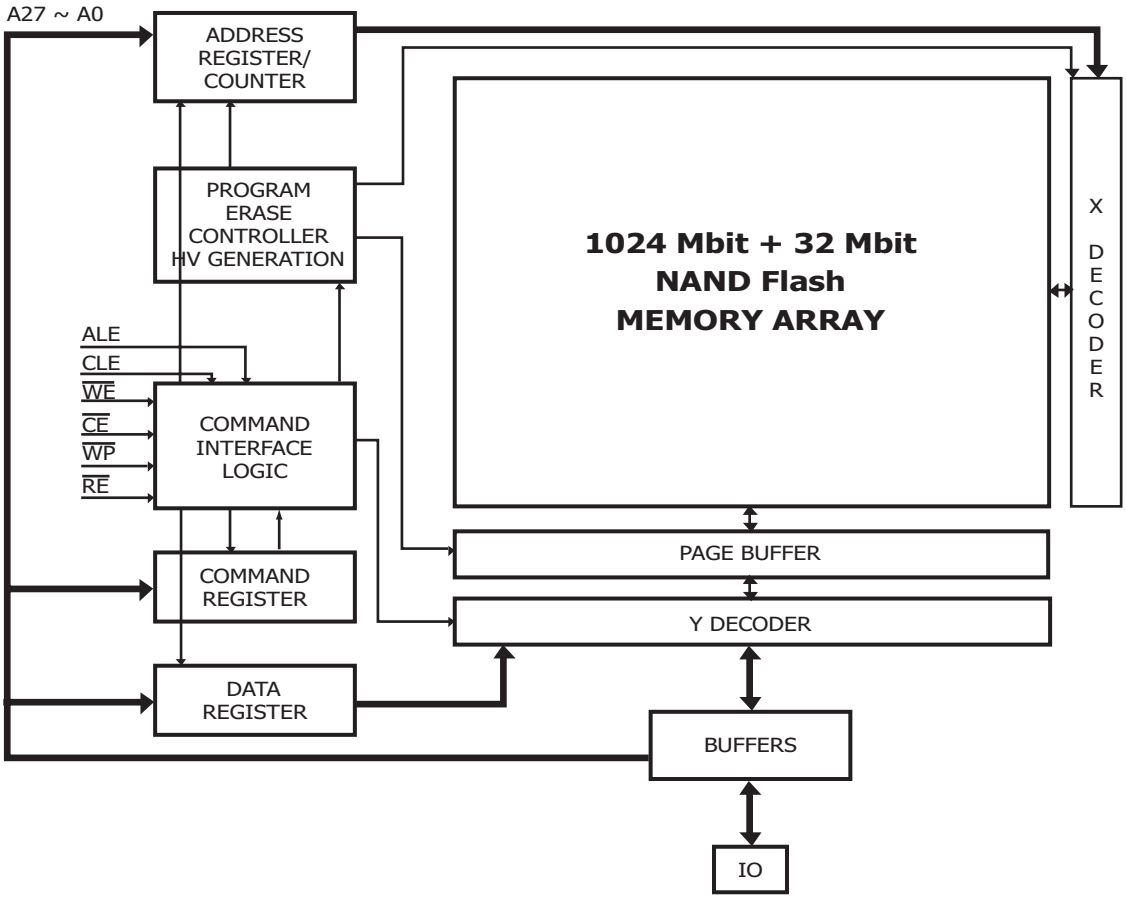
H27U1G8F2BTR-BC (DIGITAL : IC394)



H27U1G8F2BTR-BC Pin Function

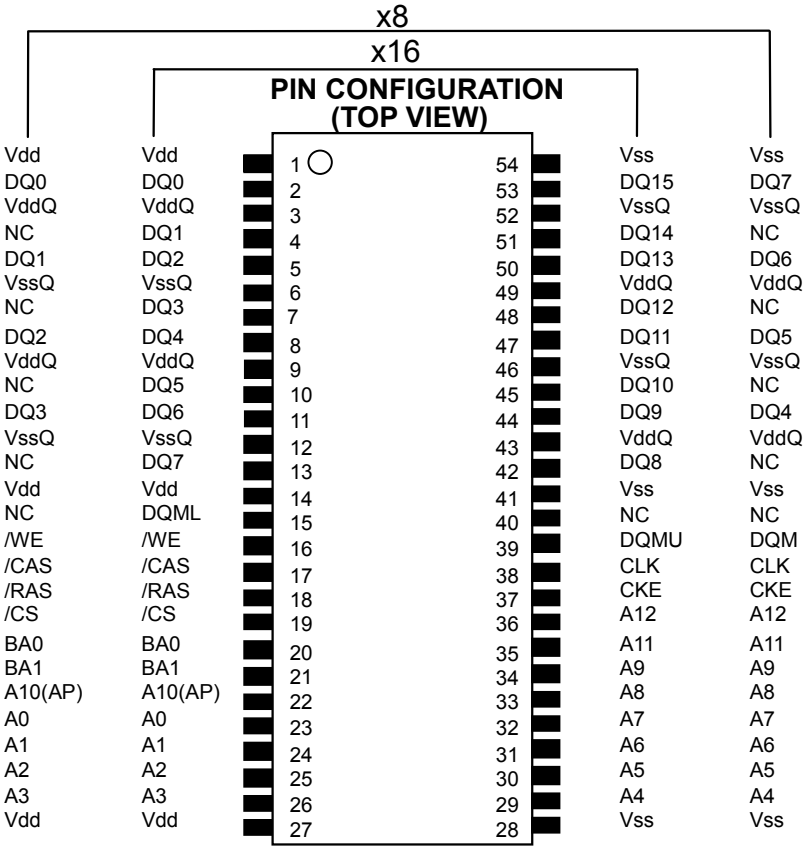
Pin Name	Description
IO0 ~ IO7	**DATA INPUTS/OUTPUTS** The IO pins allow to input command, address and data and to output data during read / program operations. The inputs are latched on the rising edge of Write Enable ($\overline{WE}$). The I/O buffer float to High-Z when the device is deselected or the outputs are disabled.
CLE	**COMMAND LATCH ENABLE** This input activates the latching of the IO inputs inside the Command Register on the Rising edge of Write Enable ($\overline{WE}$).
ALE	**ADDRESS LATCH ENABLE** This input activates the latching of the IO inputs inside the Address Register on the Rising edge of Write Enable ($\overline{WE}$).
$\overline{CE}$	**CHIP ENABLE** This input controls the selection of the device.
$\overline{WE}$	**WRITE ENABLE** This input acts as clock to latch Command, Address and Data. The IO inputs are latched on the rise edge of $\overline{WE}$.
$\overline{RE}$	**READ ENABLE** The $\overline{RE}$ input is the serial data-out control, and when active drives the data onto the I/O bus. Data is valid tREA after the falling edge of $\overline{RE}$ which also increments the internal column address counter by one.
$\overline{WP}$	**WRITE PROTECT** The $\overline{WP}$ pin, when Low, provides an Hardware protection against undesired modify (program / erase) operations.
R/$\overline{B}$	**READY BUSY** The Ready/Busy output is an Open Drain pin that signals the state of the memory.
Vcc	**SUPPLY VOLTAGE** The Vcc supplies the power for all the operations (Read, Write, Erase).
Vss	GROUND
NC	NO CONNECTION

H27U1G8F2BTR-BC Block Diagram



A3V56S30FTP-G6(DIGITAL:IC392,393), A3V56S40FTP-G6(DIGITAL:IC422)

PIN CONFIGURATION (TOP VIEW)

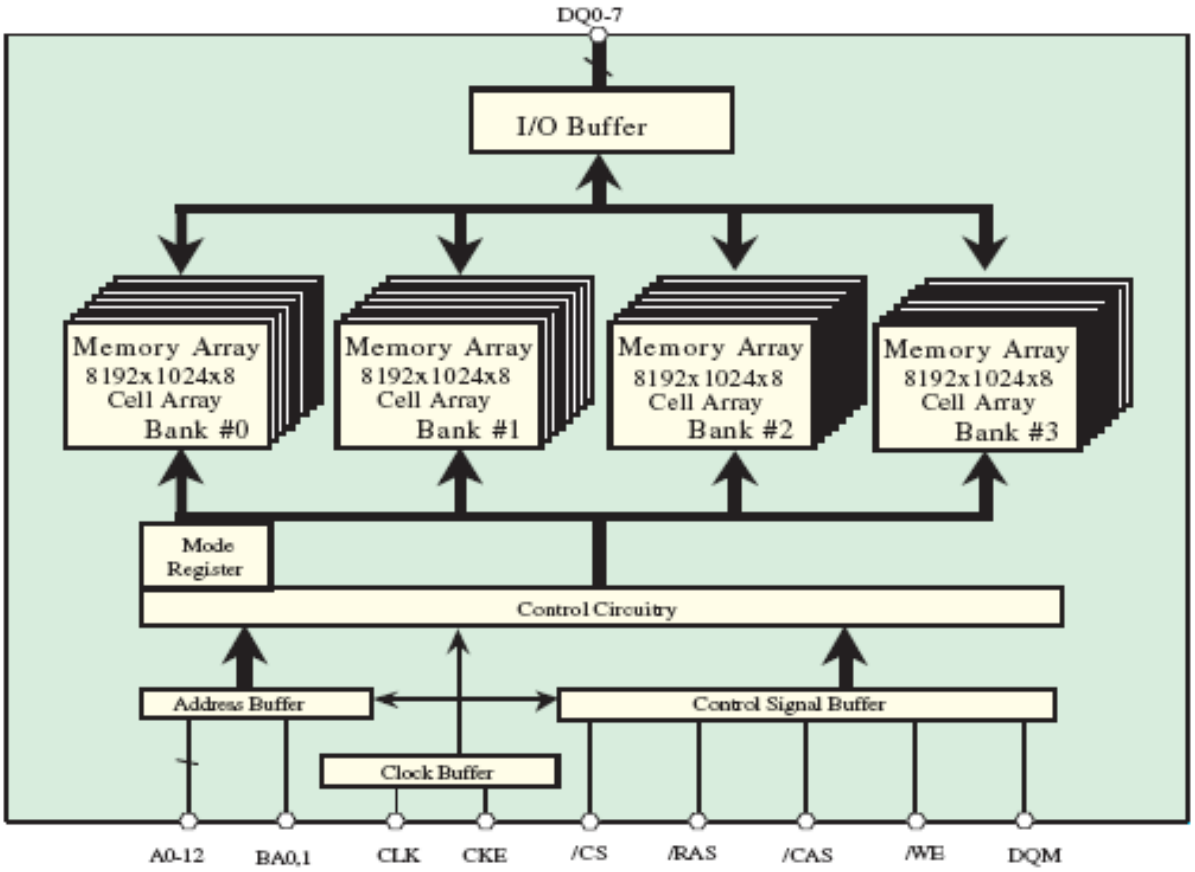


A3V56S30FTP-G6 Pin Function

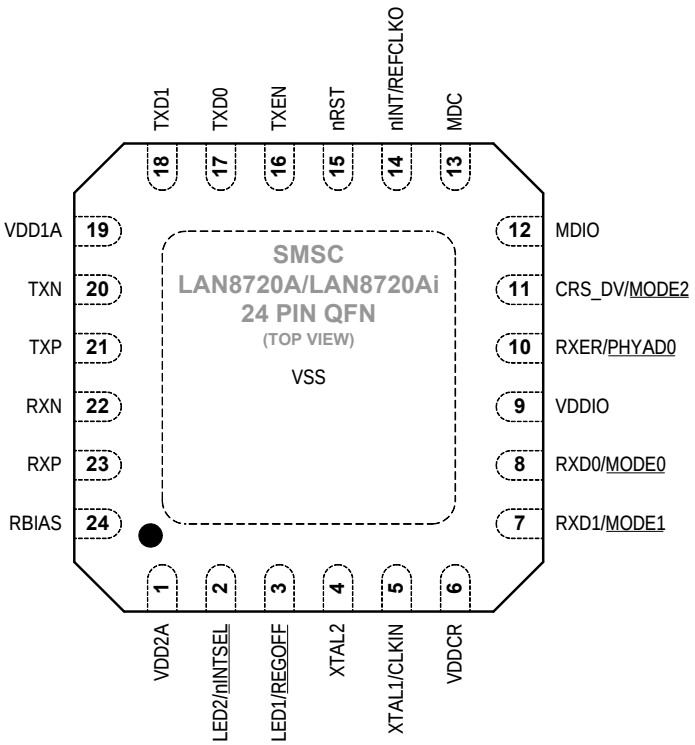
Pin Descriptions

SYMBOL	TYPE	DESCRIPTION
CLK	Input	Clock: CLK is driven by the system clock. All SDRAM input signals are sampled on the positive edge of CLK. CLK also increments the internal burst counter and controls the output registers.
CKE	Input	Clock Enable: CKE activates (HIGH) and deactivates (LOW) the CLK signal. Deactivating the clock provides PRECHARGE POWER-DOWN and SELF REFRESH operation (all banks idle), ACTIVE POWER-DOWN (row active in any bank), or CLOCK SUSPEND operation (burst / access in progress). CKE is synchronous except after the device enters self refresh mode, where CKE becomes asynchronous until after exiting the same mode. The input buffers, including CLK, are disabled during self refresh mode, providing low standby power. CKE may be tied HIGH.
/CS	Input	Chip Select: /CS enables (registered LOW) and disables (registered HIGH) the command decoder. All commands are masked when /CS is registered HIGH. /CS provides for external bank selection on systems with multiple banks. /CS is considered part of the command code.
/CAS, /RAS, /WE	Input	Command Inputs: /CAS, /RAS, and /WE (along with /CS) define the command being entered.
DQM, DQML, DQMU,	Input	Input / Output Mask: DQM is sampled HIGH and is an input mask signal for write accesses and an output disable signal for read accesses. Input data is masked during a WRITE cycle. The output buffers are placed in a High-Z state (two-clock latency) when during a READ cycle. DQM corresponds to DQ0–DQ7 (A3V56S30FTP). DQML corresponds to DQ0–DQ7, DQMU corresponds to DQ8–DQ15 (A3V56S40FTP).
BA0, BA1	Input	Bank Address Input(s): BA0 and BA1 define to which bank the ACTIVE, READ, WRITE or PRECHARGE command is being applied.
A0–A12	Input	A0-12 specify the Row / Column Address in conjunction with BA0,1. The Row Address is specified by A0-12. The Column Address is specified by A0-9(x8) and A0-8(x16). A10 is also used to indicate precharge option. When A10 is high at a read / write command, an auto precharge is performed. When A10 is high at a precharge command, all banks are precharged.
DQ0–DQ15	I/O	Data Input / Output: Data bus.
NC	–	Internally Not Connected: These could be left unconnected, but it is recommended they be connected or Vss.
VddQ	Supply	Data Output Power: Provide isolated power to output buffers for improved noise immunity.
VssQ	Supply	Data Output Ground: Provide isolated ground to output buffers for improved noise immunity.
Vdd	Supply	Power for the input buffers and core logic.
Vss	Supply	Ground for the input buffers and core logic.

A3V56S30FTP-G6 Block Diagram



LAN8720A (DIGITAL:IC322)



LAN8720A Pin Function

Table 2.8 24-QFN Package Pin Assignments

PIN NUM	PIN NAME	PIN NUM	PIN NAME
1	VDD2A	13	MDC
2	LED2/nINTSEL	14	nINT/REFCLKO
3	LED1/REGOFF	15	nRST
4	XTAL2	16	TXEN
5	XTAL1/CLKIN	17	TXD0
6	VDDCR	18	TXD1
7	RXD1/MODE1	19	VDD1A
8	RXD0/MODE0	20	TXN
9	VDDIO	21	TXP
10	RXER/PHYAD0	22	RXN
11	CRS_DV/MODE2	23	RXP
12	MDIO	24	RBIAS

LAN8720A Block Diagram

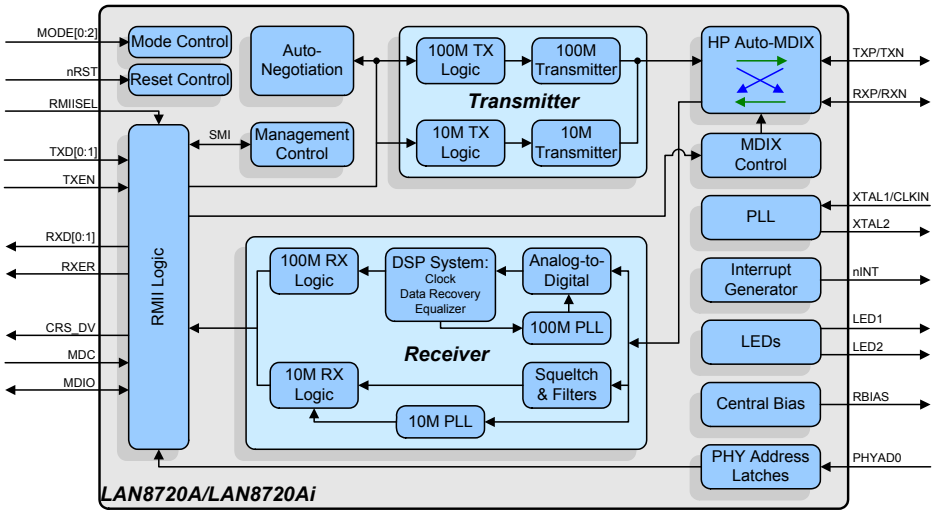
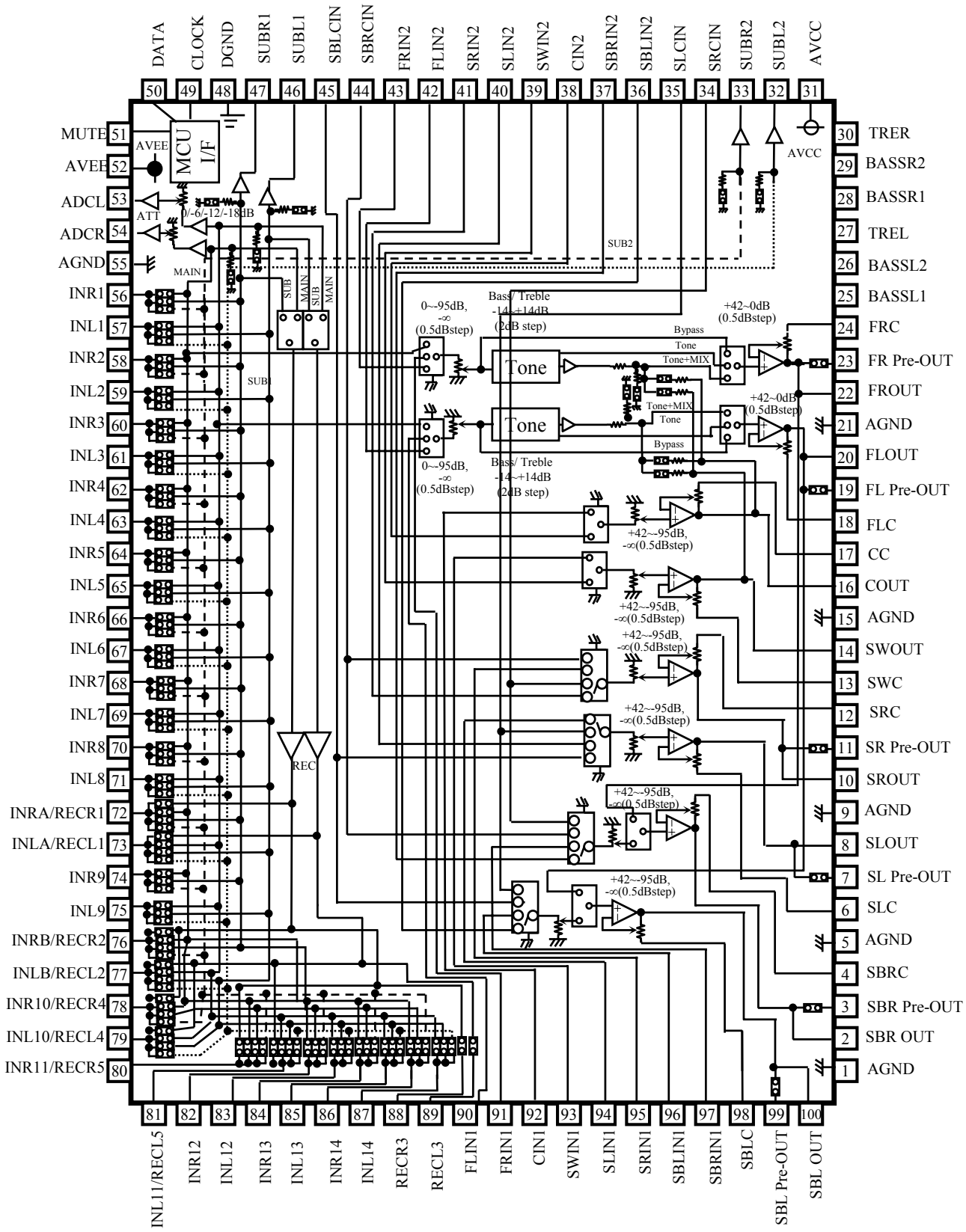


Figure 1.2 Architectural Overview

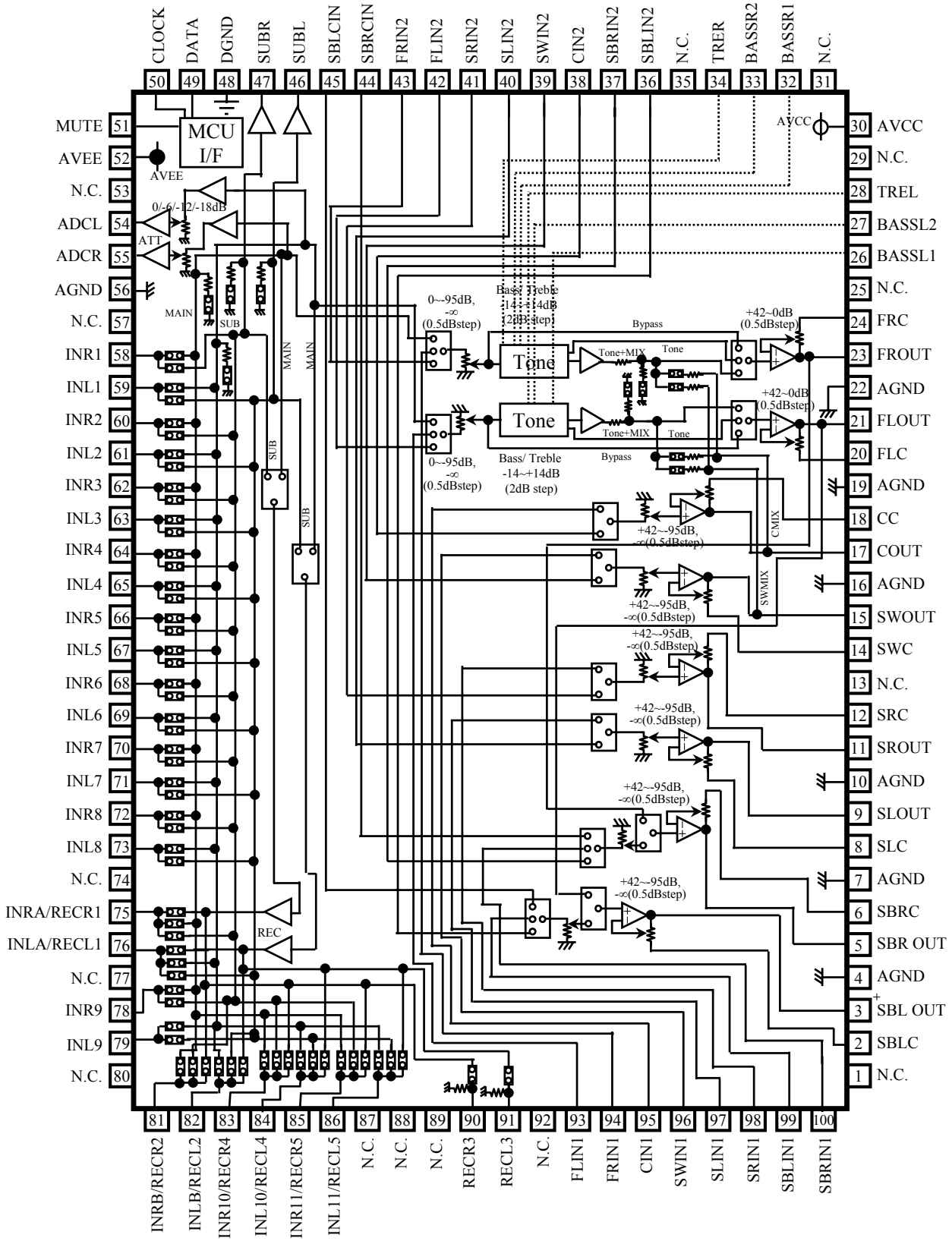
R2A15220FP (INPUT : IC471)



R2A15220FP Pin Function

PIN No.	Name	Function
22,20, 16,14, 10, 8, 2, 100	FROUT,FLOUT, COUT,SWOUT, SROUT, SLOUT, SBROUT,SBLOUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
23,19, 11, 7, 3, 99	FR Pre-out,FL Pre-out, SR Pre-out, SL Pre-out, SBR Pre-out,SBL Pre-out	Pre-output pin of FL/FR/SL/SR/SBL/SBR channel
24,18, 17,13, 12, 6, 4, 98	FRC,FLC, CC,SWC, SRC,SLC, SBRC,SBLC	Connects capacitor for reducing click noise of L/R/C/SW/SL/SR/SBL/SBR channel volume
1,5,9,15, 21,55,98	AGND	Analog ground of internal circuit
27,30	TREL, TRER	Frequency characteristic setting pin of L/R channel tone control (Treble)
25,26, 28,29	BASSL1,BASSL2 BASSR1,BASSR2	Frequency characteristic setting pin of L/R channel tone control (Bass)
31	AVCC	Positive power supply to internal circuit
43,42, 41,40, 39,38, 37,36	FRIN2, FLIN2, SRN2,SLIN2, SWIN2,CIN2, SBRIN2,SBLIN2	Multi Input pin of L/R/C/SW/SL/SR/SBL/SBR channel (Multi IN 1/2)
90,91, 92,93, 94,95, 96,97	FLIN1, FRIN1, CIN1,SWIN1, SLIN1,SRIN1, SBLIN1,SBRIN1	
48	DGND	Digital ground of internal circuit
49	DATA	Input pin of control data
50	CLOCK	Input pin of control clock
52	AVEE	Negative power supply to internal circuit
57,59,61,63, 65,67,69,71, 75,83,85,87	INL1,INL2, INL3,INL4, INL5,INL6,INL7,INL8, INL9,INL12,INL13,INL14	Input pin of L/R channel (Input Selector)
56,58,60,62, 64,6668,70, 74,82,84,86	INR1,INR2, INR3,INR4, INR5,INR6,INR7,INR8, INR9,INR12,INR13,INR14	
51	MUTE	Outside Mute Control PIN
44,45 34,35	SBRCIN,SBLCIN SRCIN,SLCIN	3rd Multi Input pin for SBL/SBR/SL/SR channel Volume that is able to swap SBR/SBL with SR/SL
46,47 33,32	SUBL1,SUBR1 SUBL2,SUBR2	Output pin for L/R channel SUB1/SUB2 Output
53,54	ADCL, ADCR	Output pin for L/R channel ADC
88,89	RECR3,RECL3	Output pin for L/R channel REC Output
72,73, 76,77, 78,79 80,81	INRA/RECR1,INLA/RECL1, INRB/RECR2,INLB/RECL2, INR10/RECR4,INL10/RECL4, INR11/RECR5,INL11/RECL5	Input pin of L/R channel (Input Selector)/ Output pin for L/R channel REC Output

R2A15218FP (INPUT:IC491)

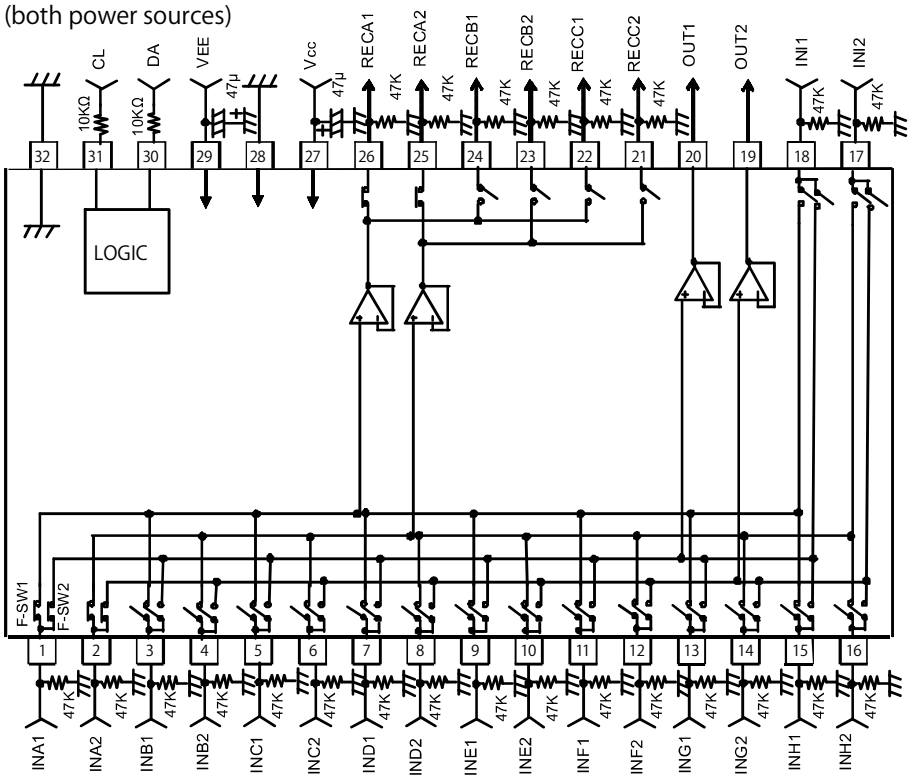


R2A15218FP Pin Function

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

BD3841FS (INPUT:IC484)

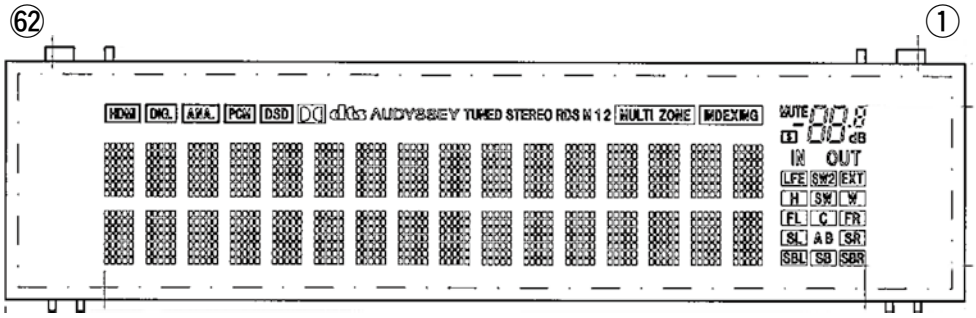
BD3841FS
(both power sources)



UNIT
RESISTANCE : Ω
CAPACITOR : F
* F-SW1 : INPUT FUNCTION1
F-SW2 : INPUT FUNCTION2

2. FL DISPLAY

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



PIN CONNECTION

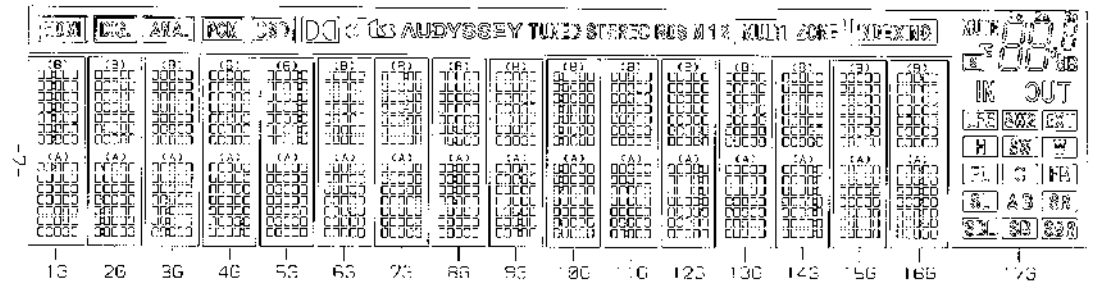
PIN CONNECTION

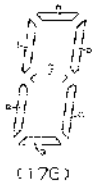
PIN NO.	62	61	60	59	58	57	56	55	54	53	52	51
CONNECTION	F2	NX	NP	NP	LGND	PGND	VH	VDD	OSC	-RESET	-CS	CP

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	117G	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



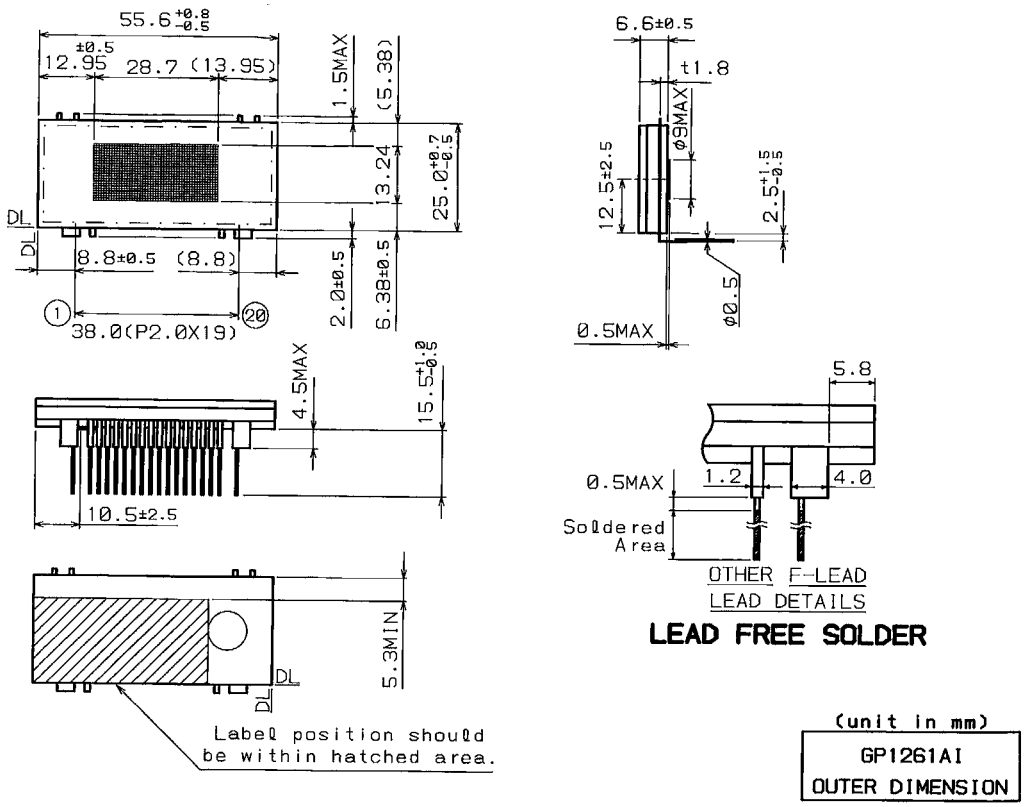


ANODE CONNECTION

	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 : FL601)



(unit in mm)

GP1261AI
OUTER DIMENSION

PIN CONNECTION

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	PGND	LGND	VDD	NP	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) NC ------ No connection
(NC pin should be electrically open on the PC board)
16) Solder composition is Sn-3Ag-0.5Cu.

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.

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	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	90M-RI000230R	RES, CHIP(3216/5%/10ohm)		CRJ14CJ100T	1		
	D6691	90M-RI000230R	RES, CHIP(3216/5%/10ohm)		CRJ14CJ100T	1		
	D6694	90M-RI000230R	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	90M-RI000230R	RES, CHIP(3216/5%/10ohm)		CRJ14CJ100T	1		
	IC601	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	IC603	9632311012005	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		
	Q6153	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q6313,6314	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q6702	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	RESISTOR GROUP							
	R6001,6002	00MNN05201610	RES, CHIP(1608/5%/200ohm)		CRJ10DJ201T	2		
	R6003,6004	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R6005	00MNN05010610	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		
	R6152	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	0.02		
	C6014	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6021	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6022,6023	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	2		
	C6025	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C6027	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6034	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6046	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1		
	C6052	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6071-6073	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	3		
	C6081	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6083	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C6091-6093	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	3		
	C6094	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6095	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6096-6098	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	3		
	C6099	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C6113	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6114	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6128	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6151	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6152,6153	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C6353,6354	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	2		
	C6380,6381	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	2		
	C6423,6424	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	2		
	C6453	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6454	nsp	CAP, ELECT(10V/220uF)-S		CCEA1AKS221T	1		
	C6501,6502	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	2		
	C6511	nsp	CAP, ELECT(50V/1uF)-S		CCEA1HKS1R0T	1		
	C6512	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	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)		CCUS1H331JA	2		
	C6623,6624	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	2		
	C6691	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6693	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6702	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6712	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C6719	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C6720	nsp	CAP, CHIP(1608, 50V/82pF)		CCUS1H820JA	1		
	C6731,6732	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	2		
	C6733,6734	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	2		
	C6735	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C6753	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6801	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6907	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C6909-6912	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	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,550MM,UL2725#24/#28,1P+2C)USB		CWB8A005550LC	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	943643102520M	JACK, 3P(B/B/B)with S/W, SILVER, VERTICAL		CJJ4S051Z	1	*	
	JK607	943643102220S	JACK, MONO, 3.5mm, SILVER		CJJ1D004Z	1		
	JW601-603	nsp	WIRE ASS'Y (1P, 80MM,BLK,#22)		CWE5202080A	3		
	JW605	nsp	WIRE ASS'Y (1P, 80MM,BLK,#22)		CWE5202080A	1		
	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	943671010330S	ENCODER(16MM, 24PULSES),W/CLICK		CSR2A055Z	1		
	★	nsp	A-ROHS/LABEL,SERIAL		CQB1D022	1		

AMP PCB ASS'Y

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

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

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

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D7108,7109	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7115,7116	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7118	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7139	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7208,7209	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7215,7216	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7218	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7239	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7308,7309	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7315,7316	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7318	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7339	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7408,7409	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7415,7416	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7418	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7439	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7508,7509	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7515,7516	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7518	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7539	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7608,7609	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7615,7616	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7618	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7639	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7708,7709	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7715,7716	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7718	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7739	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	Q7001	9432125000020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7104,7105	943211500150S	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD		CVTKSA992FTA	2		
	Q7114	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7118	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7120,7121	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7125	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7131	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7132	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7138	9432125000020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7139	9432145000040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7204,7205	943211500150S	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD		CVTKSA992FTA	2		
	Q7214	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7218	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7220,7221	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7225	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7231	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7232	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7238	9432125000020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7239	9432145000040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7304,7305	943211500150S	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD		CVTKSA992FTA	2		
	Q7314	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7318	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7320,7321	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7325	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7331	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7332	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7338	9432125000020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7339	9432145000040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7404,7405	943211500150S	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD		CVTKSA992FTA	2		
	Q7414	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7418	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7420,7421	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7425	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7431	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7432	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7438	9432125000020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7439	9432145000040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7504,7505	943211500150S	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD		CVTKSA992FTA	2		
	Q7514	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7518	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7520,7521	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7525	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7531	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7532	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7538	9432125000020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7539	9432145000040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7604,7605	943211500150S	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD		CVTKSA992FTA	2		
	Q7614	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7618	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7620,7621	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7625	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7631	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7632	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7638	9432125000020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7639	9432145000040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7704,7705	943211500150S	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD		CVTKSA992FTA	2		
	Q7714	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7718	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7720,7721	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7725	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7731	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7732	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7738	9432125000020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7739	9432145000040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	ZD714	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD715,716	90M-HD302440R	DIODE , ZENER ,1/2W, 4.7V		CVDZJ4.7BT	2		
	ZD724	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD725,726	90M-HD302440R	DIODE , ZENER ,1/2W, 4.7V		CVDZJ4.7BT	2		
	ZD734	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD735,736	90M-HD302440R	DIODE , ZENER ,1/2W, 4.7V		CVDZJ4.7BT	2		
	ZD744	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD745,746	90M-HD302440R	DIODE , ZENER ,1/2W, 4.7V		CVDZJ4.7BT	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	ZD754	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD755,756	90M-HD302440R	DIODE , ZENER ,1/2W, 4.7V		CVDZJ4.7BT	2		
	ZD764	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD765,766	90M-HD302440R	DIODE , ZENER ,1/2W, 4.7V		CVDZJ4.7BT	2		
	ZD774	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD775,776	90M-HD302440R	DIODE , ZENER ,1/2W, 4.7V		CVDZJ4.7BT	2		
	RESISTOR GROUP							
	R7001	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7002	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7016	nsp	RES, CARBON(1/5W,3.3Kohm,J)		CRD20TJ332T	1		
	R7018	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7101	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7102	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7103	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7104	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7105	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7106	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7107	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7108	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7109,7110	nsp	RES, CARBON(1/5W,220ohm,J)		CRD20TJ221T	2		
	R7111	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7112	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7114	nsp	RES, M-OXIDE FILM(1W/56Kohm)		CRG1SANJ563RT	1		
	R7116,7117	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	2		
	R7118,7119	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7120	nsp	RES, M-OXIDE FILM(2W/15Kohm)		CRG2SANJ153RT	1		
	R7121	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7124	00MGD05272160	RES, CARBON(1/5W,2.7Kohm,J)		CRD20TJ272T	1		
	R7125	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7126	00MGD05561160	RES, CARBON(1/5W,560ohm,J)		CRD20TJ561T	1		
	R7129,7130	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7131-7134	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7135,7136	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7137	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7138	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7139	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7140	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7141	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7143	nsp	RES, CARBON(1/5W,47Kohm,J)		CRD20TJ473T	1		
	R7144	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7145	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7201	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7202	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7203	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7204	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7205	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7206	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7207	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7208	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7209,7210	nsp	RES, CARBON(1/5W,220ohm,J)		CRD20TJ221T	2		
	R7211	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7212	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7214	nsp	RES, M-OXIDE FILM(1W/56Kohm)		CRG1SANJ563RT	1		
	R7216,7217	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	2		
	R7218,7219	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7220	nsp	RES, M-OXIDE FILM(2W/15Kohm)		CRG2SANJ153RT	1		
	R7221	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7224	00MGD05272160	RES, CARBON(1/5W,2.7Kohm,J)		CRD20TJ272T	1		
	R7225	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7226	00MGD05561160	RES, CARBON(1/5W,560ohm,J)		CRD20TJ561T	1		
	R7230	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	1		
	R7231-7234	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7235,7236	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7237	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7238	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7239	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7240	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7241	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7243	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7244	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7245	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7279	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	1		
	R7301	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7302	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7303	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7304	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7305	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7306	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7307	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7308	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7309,7310	nsp	RES, CARBON(1/5W,220ohm,J)		CRD20TJ221T	2		
	R7311	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7312	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7314	nsp	RES, M-OXIDE FILM(1W/56Kohm)		CRG1SANJ563RT	1		
	R7316,7317	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	2		
	R7318,7319	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7320	nsp	RES, M-OXIDE FILM(2W/15Kohm)		CRG2SANJ153RT	1		
	R7321	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7324	00MGD05272160	RES, CARBON(1/5W,2.7Kohm,J)		CRD20TJ272T	1		
	R7325	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7326	00MGD05561160	RES, CARBON(1/5W,560ohm,J)		CRD20TJ561T	1		
	R7329,7330	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7331-7334	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7335,7336	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7337	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7338	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7339	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7340	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7341	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7343	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7344	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7345	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7401	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7402	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7403	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7404	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7405	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7406	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R7407	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7408	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7409,7410	nsp	RES, CARBON(1/5W,220ohm,J)		CRD20TJ221T	2		
	R7411	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7412	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7414	nsp	RES, M-OXIDE FILM(1W/56Kohm)		CRG1SANJ563RT	1		
	R7416,7417	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	2		
	R7418,7419	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7420	nsp	RES, M-OXIDE FILM(2W/15Kohm)		CRG2SANJ153RT	1		
	R7421	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7424	00MGD05272160	RES, CARBON(1/5W,2.7Kohm,J)		CRD20TJ272T	1		
	R7425	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7426	00MGD05561160	RES, CARBON(1/5W,560ohm,J)		CRD20TJ561T	1		
	R7429,7430	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7431-7434	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7435,7436	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7437	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7438	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7439	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7440	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7441	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7443	nsp	RES, CARBON(1/5W,47Kohm,J)		CRD20TJ473T	1		
	R7444	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7445	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7501	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7502	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7503	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7504	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7505	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7506	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7507	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7508	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7509,7510	nsp	RES, CARBON(1/5W,220ohm,J)		CRD20TJ221T	2		
	R7511	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7512	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7514	nsp	RES, M-OXIDE FILM(1W/56Kohm)		CRG1SANJ563RT	1		
	R7516,7517	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	2		
	R7518,7519	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7520	nsp	RES, M-OXIDE FILM(2W/15Kohm)		CRG2SANJ153RT	1		
	R7521	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7524	00MGD05272160	RES, CARBON(1/5W,2.7Kohm,J)		CRD20TJ272T	1		
	R7525	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7526	00MGD05561160	RES, CARBON(1/5W,560ohm,J)		CRD20TJ561T	1		
	R7529,7530	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7531-7534	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7535,7536	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7537	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7538	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7539	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7540	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7541	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7543	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7544	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7545	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7601	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7602	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7603	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7604	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7605	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7606	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7607	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7608	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7609,7610	nsp	RES, CARBON(1/5W,220ohm,J)		CRD20TJ221T	2		
	R7611	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7612	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7614	nsp	RES, M-OXIDE FILM(1W/56Kohm)		CRG1SANJ563RT	1		
	R7616,7617	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	2		
	R7618,7619	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7620	nsp	RES, M-OXIDE FILM(2W/15Kohm)		CRG2SANJ153RT	1		
	R7621	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7624	00MGD05272160	RES, CARBON(1/5W,2.7Kohm,J)		CRD20TJ272T	1		
	R7625	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7626	00MGD05561160	RES, CARBON(1/5W,560ohm,J)		CRD20TJ561T	1		
	R7629,7630	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7631-7634	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7635,7636	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7637	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7638	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7639	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7640	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7641	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7643	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7644	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7655	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	R7701	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7702	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7703	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7704	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7705	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7706	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7707	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7708	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7709,7710	nsp	RES, CARBON(1/5W,220ohm,J)		CRD20TJ221T	2		
	R7711	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7712	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7714	nsp	RES, M-OXIDE FILM(1W/56Kohm)		CRG1SANJ563RT	1		
	R7716,7717	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	2		
	R7718,7719	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7720	nsp	RES, M-OXIDE FILM(2W/15Kohm)		CRG2SANJ153RT	1		
	R7721	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7724	00MGD05272160	RES, CARBON(1/5W,2.7Kohm,J)		CRD20TJ272T	1		
	R7725	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7726	00MGD05561160	RES, CARBON(1/5W,560ohm,J)		CRD20TJ561T	1		
	R7729,7730	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	2		
	R7731-7734	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7735,7736	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7737	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7738	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R7739	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7740	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7741	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7743	nsp	RES, CHIP(3216/5%/47Kohm)		CRJ14CJ473T	1		
	R7744	nsp	RES, CHIP(3216/5%/22Kohm)		CRJ14CJ223T	1		
	R7745	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	1		
	CAPACIITORS GROUP							
	C7001	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C7011,7012	943134501570S	CAP, ELECT(10V/330uF)		CCEA1AH331T	2		
	C7013	nsp	CAP, ELECT(10V/47uF)		CCEA1AH470T	1		
	C7101	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7102	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7104	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	1		
	C7105	nsp	CAP, CHIP(1608, 50V/2200pF)		CCUS1H222KC	1		
	C7106	00MOA47702520	CAP, ELECT(25V/470uF)		CCEA1EH471T	1		
	C7112	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7120,7121	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7125	943134500080S	CAP , ELECT(63V/47uF)		CCEA1JH470T	1		
	C7138	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C7201	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7202	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7204	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	1		
	C7205	nsp	CAP, CHIP(1608, 50V/2200pF)		CCUS1H222KC	1		
	C7206	00MOA47702520	CAP, ELECT(25V/470uF)		CCEA1EH471T	1		
	C7212	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7220,7221	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7225	943134500080S	CAP , ELECT(63V/47uF)		CCEA1JH470T	1		
	C7238	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C7301	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7302	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7304	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	1		
	C7305	nsp	CAP, CHIP(1608, 50V/2200pF)		CCUS1H222KC	1		
	C7306	00MOA47702520	CAP, ELECT(25V/470uF)		CCEA1EH471T	1		
	C7312	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7320,7321	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7325	943134500080S	CAP , ELECT(63V/47uF)		CCEA1JH470T	1		
	C7338	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C7401	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7402	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7404	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	1		
	C7405	nsp	CAP, CHIP(1608, 50V/2200pF)		CCUS1H222KC	1		
	C7406	00MOA47702520	CAP, ELECT(25V/470uF)		CCEA1EH471T	1		
	C7412	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7420,7421	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7425	943134500080S	CAP , ELECT(63V/47uF)		CCEA1JH470T	1		
	C7438	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C7501	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7502	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7504	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	1		
	C7505	nsp	CAP, CHIP(1608, 50V/2200pF)		CCUS1H222KC	1		
	C7506	00MOA47702520	CAP, ELECT(25V/470uF)		CCEA1EH471T	1		
	C7512	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7520,7521	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7525	943134500080S	CAP , ELECT(63V/47uF)		CCEA1JH470T	1		
	C7531,7532	943134500070S	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C7538	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C7601	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7602	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7604	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	1		
	C7605	nsp	CAP, CHIP(1608, 50V/2200pF)		CCUS1H222KC	1		
	C7606	00MOA47702520	CAP, ELECT(25V/470uF)		CCEA1EH471T	1		
	C7612	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7620,7621	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7625	943134500080S	CAP , ELECT(63V/47uF)		CCEA1JH470T	1		
	C7638	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C7701	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7702	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7704	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	1		
	C7705	nsp	CAP, CHIP(1608, 50V/2200pF)		CCUS1H222KC	1		
	C7706	00MOA47702520	CAP, ELECT(25V/470uF)		CCEA1EH471T	1		
	C7712	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7720,7721	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7725	943134500080S	CAP , ELECT(63V/47uF)		CCEA1JH470T	1		
	C7731,7732	943134500070S	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C7738	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	OTHER PARTS GROUP							
	BK701	nsp	BRACKET , PCB		CMD1A569-V1	1		
	BN704	nsp	WIRE ASS'Y (5P,2.0MM,250MM,UL1007#26)		CWB1B005250LC	1		
	CN461	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN		CJP13GI288ZY	1		
	CN701	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/9PIN		CJP09GI289ZY	1		
	CN702	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/7PIN		CJP07GI289ZY	1		
	CN703	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/3PIN		CJP03GI289ZY	1		
	CN715	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN725	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN735	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN745	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN755	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN765	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN775	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	GND71	nsp	PLATE , EARTH(TRONIC ELECTRONICS)		CJT1A026	1		
	VR714	963161012400S	RES ,SEMI FIXED(1K/B-CURVE) ANGLE		CVN1RE102B01T	1		
	VR724	963161012400S	RES ,SEMI FIXED(1K/B-CURVE) ANGLE		CVN1RE102B01T	1		
	VR734	963161012400S	RES ,SEMI FIXED(1K/B-CURVE) ANGLE		CVN1RE102B01T	1		
	VR744	963161012400S	RES ,SEMI FIXED(1K/B-CURVE) ANGLE		CVN1RE102B01T	1		
	VR754	963161012400S	RES ,SEMI FIXED(1K/B-CURVE) ANGLE		CVN1RE102B01T	1		
	VR764	963161012400S	RES ,SEMI FIXED(1K/B-CURVE) ANGLE		CVN1RE102B01T	1		
	VR774	963161012400S	RES ,SEMI FIXED(1K/B-CURVE) ANGLE		CVN1RE102B01T	1		
		nsp	COMPOUND , SILICONE		K8AYG6260	2		

SPK PCB ASS'Y

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

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

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

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D9221-9228	90M-HZ200190R	DIODE, SWITCHING, SMD TYPE		HVDRLS4148SR	8		
	D9230,9231	90M-HZ200190R	DIODE, SWITCHING, SMD TYPE		HVDRLS4148SR	2		
	D9241-9249	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	9		
	D9250	90M-HD302380R	DIODE , ZENER ,1/2W, 3.6V		CVDZJ3.6BT	1		
	D9301	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D9303,9304	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	2		
	D9315-9318	94320900108OS	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	00D9430101101	WIRE, COPPER(D0.6)		C3A206	2		
	D9701	943203500500M	DIODE, BRIDGE.(600V/25A)		CVDGBJ2506	1		Ver.3
	D9727	943202005380M	DIODE , ZENER ,1/2W, 3.0V		CVDZJ3.0BT	1		
	D9728	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D9913	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D9914	90M-HD302380R	DIODE , ZENER ,1/2W, 3.6V		CVDZJ3.6BT	1		
	IC718	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	IC931,932	943231010390S	I.C,REGULATOR(+5V,T0220IS)		CVIKIA7805BPI	2		
	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	231010094103S	I.C , REGULATOR(8V ,1A /TO-220F-4)		CVINJM2388F08	1		
	IC937	00D2631251006	I.C,REGULATOR(-8V,T0220IS)		CVIKIA7908PI	1		
	Q9221-9228	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	8		
	Q9230,9231	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	2		
	RESISTOR GROUP							
	R7801,7802	nsp	RES, M-OXIDE FILM(2W/470ohm)		CRG2SANJ471RT	2		
	R9201-9209	nsp	RES, M-OXIDE FILM(1W/10ohm)		CRG1SANJ100RT	9		
	R9211-9219	nsp	RES, M-OXIDE FILM(2W/10ohm)		CRG2SANJ100RT	9		
	R9221-9228	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	8		
	R9230,9231	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	2		
	R9241-9249	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	9		
	R9250	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R9251	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R9711-9713	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	3		
	R9727	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R9801-9804	nsp	RES, CHIP(1608/5%/100ohm)	N/K	CRJ10DJ101T	4		
	R9806	nsp	RES, CHIP(1608/5%/100ohm)	N/K	CRJ10DJ101T	1		
	R9819,9820	nsp	RES, CHIP(1608/5%/220Kohm)	N/K	CRJ10DJ224T	2		
	R9821,9822	nsp	RES, CHIP(1608/5%/0ohm)	N/K	CRJ10DJ0R0T	2		
	R9823,9824	nsp	RES, CHIP(1608/5%/560ohm)	N/K	CRJ10DJ561T	2		
	R9905-9908	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	4		
	R9909	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R9910	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R9911	nsp	RES, CHIP(1608/5%/330Kohm)		CRJ10DJ334T	1		
	R9912	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R9913	nsp	RES, CHIP(1608/5%/3.3Kohm)		CRJ10DJ332T	1		
	R9914	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R9915	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R9916,9917	943124500350M	RES , CEMENT(0.02ohm/3W)		CRF3EJR02	2	*	
	CAPACIITORS GROUP							
	C9211-9219	nsp	CAP, MYLAR(50V/0.047uF/J)		HCQI1H473JZT	9		
	C9221	13405014440AS	CAP, ELECT(50V/100uF)		CCEA1HH101T	1		
	C9250	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C9251	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C9301	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C9303	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C9304	13405012940AS	CAP, ELECT(16V/100uF)	N/K	CCEA1CH101T	1		
	C9305,9306	nsp	CAP, ELECT(50V/10uF)	N/K	CCEA1HH100T	2		
	C9309	94134010620S	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	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	2		
	C9321,9322	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	2		
	C9331-9333	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQI1H104JZT	3		
	C9335-9337	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQI1H104JZT	3		
	C9511-9521	nsp	CAP, CHIP(2012, 250V/0.01uF)		CCUC2E103KC	11		
	C9631-9641	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	11		
	C9701,9702	90M-OF100490R	CAP, METAL PE FILM(250V/0.1uF)		KCME2E104JP04T	2		
	C9705,9706	943134502530M	CAP, ELECT(71V/15000uF, 40X58L),NICHICON		CCET71VLKS153N	2	*	
	C9708	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1		
	C9727	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C9801-9803	nsp	CAP, CHIP(1608, 50V/100pF)	N/K	CCUS1H101JA	3		
	C9804	nsp	CAP, CHIP(1608, 50V/0.1uF)	N/K	CCUS1H104KC	1		
	C9806	nsp	CAP, CHIP(1608, 50V/100pF)	N/K	CCUS1H101JA	1		
	C9811	nsp	CAP, CHIP(1608, 50V/0.1uF)	N/K	CCUS1H104KC	1		
	C9905,9906	943134003030S	CAP, ELECT(100V/1uF),105'C		CCEA2AH1R0TS	2		
	C9909	943134003030S	CAP, ELECT(100V/1uF),105'C		CCEA2AH1R0TS	1		
	C9914	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C9917,9918	nsp	CAP, CHIP(1608, 50V/0.1uF)	N/K	CCUS1H104KC	2		
	OTHER PARTS GROUP							
	BD981	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)	N/K	CLZ9R005V	1		
	BK901-903	nsp	PLATE, MAIN PCB		CMC2A424	3		
	BK931	nsp	BRACKET , PCB		CMD1A629	1		
	BN701	nsp	WIRE ASS'Y LOCKING (9P,2.5MM,180MM,UL1569#20,105)		CWB7E0091803D	1		
	BN702	nsp	WIRE ASS'Y LOCKING (7P,2.5MM,400MM,UL1569#20,105)		CWB7E0074003D	1		
	BN703	nsp	WIRE ASS'Y LOCKING (3P,2.5MM,220MM,UL1569#24,105)		CWB7C0032203D	1		
	BN704	nsp	WIRE ASS'Y LOCKING (9P,2.5MM,400MM,UL1569#20,105)		CWB7E0094003D	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		
	BN951	nsp	WIRE ASS'Y LOCKING (5P,2.5MM,100MM,UL1007#20)		CWB1E0051003D	1		
	CN25B	nsp	PIN HEADER (21P,1.25mm,STRAIGHT,B-TO-B)		CJP21GI281Z	1		
	CN77B	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	CN940	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1		
	CN941	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/3PIN		CJP03GI289ZY	1		
	CN951	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1		
	CN971	nsp	WAFER , 7P(DIP, 3.96PITCH)		CJP07GA90ZY	1		
	F9331-9335	nsp	HOLDER , FUSE		CJCFC5S	5		
	F9703,9704	nsp	HOLDER , FUSE		CJCFC5S	2		
	GND92	nsp	PLATE , EARTH(TRONIC ELECTRONICS)		CJT1A026	1		
	JK921-931	9436431024 90M	2P, SCREW SPK(R/B,GOLD,94V-0,Transparence)		CJJ5N025Z	11		
	JW922	nsp	WIRE ASS'Y (1P,220MM,BLK,UL1015#20,CKM-T)		CWE7102220TT	1		
	JW923	nsp	WIRE ASS'Y (1P, 80MM,BLK,#22)		CWE5202080A	1		
	JW925	nsp	WIRE ASS'Y (1P, 100mm, BLK, UL1015#20, CKM-T)		CWE7102100TT	1		
	L9201-9209	943115010260S	COIL , SPEAKER(0.5uH)		CLEY0R5KAK	9		
	RY921-928	682010023006S	RELAY,HL3-2A-12S,DC12V,2C1P		CSL3A021ZU	8		
	RY930	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
	RY931	943682100400M	RELAY, 10A , DC12V, 2C2P, GB-2C-D12P		CSL4B025ZU	1	*	
	TU901	943183100360D	TUNER , RDS , FM(PAL TYPE) , SI4705-B20	N	CNVMW104FV1-S63G	1		
	TU901	943183100220S	TUNER , NO RDS , FM(PAL TYPE) , SI4704- B20	K	CNVMW004FV1-S63	1		
!	F9331	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	1		
!	F9332	963652010510S	FUSE(S506 Series, 250V,2A)		CBA2C2000TLEC	1		
!	F9333	963652010910S	FUSE(S506 Series, 250V,3.15A)		CBA2C3150TLEC	1		
!	F9334	963652010910S	FUSE(S506 Series, 250V,3.15A)		CBA2C3150TLEC	1		
!	F9335	963652010910S	FUSE(S506 Series, 250V,3.15A)		CBA2C3150TLEC	1		
!	F9703	943652500280M	FUSE(215Series, 250V/10A)		CBA2C1002TLHEY	1	*	
!	F9704	943652500280M	FUSE(215Series, 250V/10A)		CBA2C1002TLHEY	1	*	
		nsp	TAPE , HEMELON		CHS1A032	0.5		

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.

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	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							
	C9602-9605	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	4		
	C9607,9608	nsp	CAP, CHIP(1608, 50V/470pF)	U	CCUS1H471JA	2		
	C9609,9610	nsp	CAP, CHIP(1608, 50V/33pF)	U	CCUS1H330JA	2		
	C9611	nsp	CAP, CHIP(1608, 50V/0.1uF)	U	CCUS1H104KC	1		
	C9612	nsp	CAP, CHIP(1608, 10V/1uF)	U	CCUS1A105KC	1		
	C9613	nsp	CAP, CHIP(1608, 50V/0.1uF)	U	CCUS1H104KC	1		
	C9614	nsp	CAP, CHIP(1608, 10V/1uF)	U	CCUS1A105KC	1		
	C9615-9618	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	4		
	C9622	nsp	CAP, CHIP(1608, 50V/0.1uF)	U	CCUS1H104KC	1		
	C9644-9646	nsp	CAP, CHIP(1608, 50V/100pF)	U	CCUS1H101JA	3		
	C9701,9702	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	2		
	OTHER PARTS GROUP							
	BN25B	nsp	PIN SOCKET (21P,1.25mm,ANGLE, B-TO-B)		CJP21HJ282Z	1		
	BN531	nsp	WIRE ASS'Y LOCKING (3P,2.5MM,220MM,UL1569#24,105)		CWB7C0033003D	1		
	BN77B	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1		
	C9601	nsp	CAP, CHIP(1608, 50V/0.1uF)	U	CCUS1H104KC	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		
	CN23A	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP27GI281Z	1		
	CN23B	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		
	CN24B	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP27GI281Z	1		
	CN25A	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1		
	CN26A	nsp	PIN HEADER (13P,1.25mm,STRAIGHT,B-TO-B)		CJP13GI281Z	1		
	CN26B	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1		
	CN27A	nsp	PIN HEADER (17P,1.25mm,STRAIGHT,B-TO-B)		CJP17GI281Z	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		
	CN64B	nsp	PIN HEADER (15P,1.25mm,STRAIGHT,B-TO-B)		CJP15GI281Z	1		
	CN961	nsp	WAFER, FFC(13P-1.25mm, STRAIGHT)	U	CJP13GA115ZY	1		

INPUT PCB ASS'Y

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U1 : North America model N1 : Europe model K1 : China model F : Japan model

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	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D8714	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D8795	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D8797-8800	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	4		
	D8845-8847	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	3		
	D8848	943202500720S	DIODE , ZENER(3.6V/0.5W, SOD-123)		CVDMM1Z3V6H	1		
	IC101	963236101380P	I.C, HDMI BUFFER		CVIAD8195ACPZ	1		
	IC466	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	IC471	235810045600S	I.C , 8CH VOLUME		CVIR2A15220FP	1		
	IC481-483	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	3		
	IC484	943236101540D	I.C , FUNCTION SWITCH(SSOP-32)		CVIBD3841FSE2	1		
	IC486-488	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	3		
	IC491	943235003810S	I.C , INPUT WITH 8CH VOLUME(100P QFP)		CVIR2A15218FP	1		
	Q8713	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8714	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8715-8718	943214500030S	T.R , MUTE		CVTINC2001AC1	4		
	Q8719	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
	Q8720	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8733	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8734	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8735-8738	943214500030S	T.R , MUTE		CVTINC2001AC1	4		
	Q8740	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8753	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8754	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8755-8758	943214500030S	T.R , MUTE		CVTINC2001AC1	4		
	Q8760	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8795	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
	Q8797-8800	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	4		
	Q8813	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8814	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8815	943214500030S	T.R , MUTE		CVTINC2001AC1	1		
	Q8817	943214500030S	T.R , MUTE		CVTINC2001AC1	1		
	Q8820	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8863	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q8864	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q8870	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	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		
	R1002	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	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%/51Kohm)		CRJ10DJ513T	2		
	R4605,4606	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4607,4608	nsp	RES, CHIP(1608/5%/51Kohm)		CRJ10DJ513T	2		
	R4609,4610	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4611,4612	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4613,4614	nsp	RES, CHIP(1608/5%/51Kohm)		CRJ10DJ513T	2		
	R4615,4616	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4617,4618	nsp	RES, CHIP(1608/5%/51Kohm)		CRJ10DJ513T	2		
	R4619,4620	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4625,4626	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4627,4628	nsp	RES, CHIP(1608/5%/51Kohm)		CRJ10DJ513T	2		
	R4629,4630	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4631,4632	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4633,4634	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	R4635,4636	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4637,4638	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	R4639,4640	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4641,4642	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4643,4644	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	R4645,4646	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R4647,4648	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	2		
	R4649,4650	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4661	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1		
	R4661	nsp	RES, CHIP(1608/5%/4.7ohm)	N/K	CRJ10DJ4R7T	1		
	R4662	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1		
	R4662	nsp	RES, CHIP(1608/5%/4.7ohm)	N/K	CRJ10DJ4R7T	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		
	R4701-4705	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	5		
	R4709	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4712,4713	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4716	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4719,4720	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4721,4722	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
	R4737,4738	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4743-4746	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	4		
	R4757,4758	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4761-4771	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	11		
	R4773,4774	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R4781-4784	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R4794-4799	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	6		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	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		
	R4881,4882	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4883-4886	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R4893,4894	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R4901	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4903	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4905	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4907	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R4911-4914	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	4		
	R4921	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R4924	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R4931-4934	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	4		
	R4953,4954	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
!	R7981	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
!	R7984	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R8701,8702	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8703,8704	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8705,8706	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8707-8710	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8711,8712	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8713	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8714	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8715-8718	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	4		
	R8719	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8720	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8721,8722	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8723	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8724	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8725	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8726	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8727-8730	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8731,8732	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8733	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8735-8738	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	4		
	R8739	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8740	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8741,8742	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8743,8744	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R8745,8746	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8747-8750	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8751,8752	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8753	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8755-8758	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	4		
	R8759	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8760	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8767-8770	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8771,8772	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8787-8790	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	4		
	R8791,8792	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
	R8793	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8795-8798	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	4		
	R8801	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8803	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8805	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8807	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8809	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R8811	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8813	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8815	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8817	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8819	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8820	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	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		
	R8851,8852	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	2		
	R8853,8854	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R8855,8856	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
	R8863	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R8869	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1		
	R8870	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	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		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	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		
	R8991-8996	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	6		
	CAPACIITORS GROUP							
	C1003-1006	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	4		
	C1007	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C1008-1012	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	5		
	C1013	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C1014	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C1015	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C1016	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C1017	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C1018-1020	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	3		
	C4603,4604	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C4607,4608	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C4613,4614	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C4617,4618	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C4627,4628	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C4633,4634	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C4637,4638	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C4641	00D9430148708	CAP, ELECT(50V/47uF)		CCEA1HH470T	1		
	C4643,4644	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C4647,4648	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C4661,4662	nsp	CAP, CHIP(1608, 50V/100pF)	N/K	CCUS1H101JA	2		
	C4663,4664	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4665,4666	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	2		
	C4675,4676	nsp	CAP, ELECT(10V/220uF)		CCEA1AH221T	2		
	C4677,4678	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	2		
	C4679,4680	nsp	CAP, MYLAR(50V/0.022uF/J)		HCQI1H223JZT	2		
	C4681,4682	943139001260S	CAP, MYLAR(50V/6800pF/J)		HCQI1H682JZT	2		
	C4687-4690	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	4		
	C4701,4702	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	2		
	C4705	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1		
	C4706	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4710,4711	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	2		
	C4713,4714	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	2		
	C4721,4722	nsp	CAP, CHIP(1608, 16V/0.15uF)		CCUS1C154KC	2		
	C4723,4724	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	2		
	C4725,4726	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	2		
	C4727,4728	nsp	CAP, ELECT(50V/100uF),ELNA/RA3		CCEA1HRA3101T	2		
	C4729,4730	943134500070S	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C4742	00D9430148708	CAP, ELECT(50V/47uF)		CCEA1HH470T	1		
	C4761-4763	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	3		
	C4764-4771	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	8		
	C4773,4774	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4781-4784	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	4		
	C4801,4802	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4803-4806	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	4		
	C4811,4812	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4819,4820	nsp	CAP, CHIP(1608, 50V/68pF)		CCUS1H680JA	2		
	C4823,4824	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	2		
	C4825-4828	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	4		
	C4831,4832	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4851,4852	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4853-4856	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	4		
	C4861,4862	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4869,4870	nsp	CAP, CHIP(1608, 50V/68pF)		CCUS1H680JA	2		
	C4873,4874	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	2		
	C4875-4878	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	4		
	C4881,4882	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C4891,4892	00D9430148708	CAP, ELECT(50V/47uF)		CCEA1HH470T	2		
	C4901	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4903	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4905	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4907	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4909-4911	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	3		
	C4913	13405012940AS	CAP, ELECT(16V/100uF)		CCEA1CH101T	1		
	C4921	nsp	CAP, CHIP(1608, 16V/0.15uF)		CCUS1C154KC	1		
	C4922	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	1		
	C4923	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1		
	C4924	nsp	CAP, CHIP(1608, 16V/0.15uF)		CCUS1C154KC	1		
	C4925	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	1		
	C4926	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1		
	C4935	13405014440AS	CAP, ELECT(50V/100uF)		CCEA1HH101T	1		
	C4946	13405014440AS	CAP, ELECT(50V/100uF)		CCEA1HH101T	1		
	C8703,8704	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8707,8708	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8709,8710	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C8719	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8723,8724	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8727,8728	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8729,8730	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C8739	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8740	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C8743,8744	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8747,8748	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8749,8750	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C8759	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8767,8768	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8769,8770	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C8780	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C8787,8788	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8789,8790	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	2		
	C8800	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C8803	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8807	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1		
	C8809	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1		
	C8819	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8820	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C8849	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8851,8852	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C8853,8854	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	2		
	C8860	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C8869	nsp	CAP, ELECT(50V/0.1uF)		CCEA1HH0R1T	1		
	C8913,8914	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		
	C8917,8918	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C8919,8920	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	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)		CCUS1H331JA	2		
	C8979	nsp	CAP, ELECT(50V/0.47uF)		CCEA1HHR47T	1		
	C8980	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	OTHER PARTS GROUP							
	BK103	nsp	EARTH , HDMI		CMC1A436	1		
	BK469	nsp	EARTH , INPUT		CMC1A440	1		
	BN23B	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1		
	BN24B	nsp	PIN SOCKET (27P,1.25mm,ANGLE,B-TO-B)		CJP27HJ282Z	1		
	BN26B	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1		
	BN461	nsp	WIRE ASS'Y Locking (YH) (13P,2MM,150MM,#26)		CWB1B013150HC	1		
	BN462	nsp	WIRE ASS'Y LOCKING (3P,2.0MM,300MM,UL1007#26)		CWB1B003300HC	1		
	BN64B	nsp	PIN SOCKET (15P,1.25mm,ANGLE,B-TO-B)		CJP15HJ282Z	1		
	BN791	nsp	WIRE ASS'Y LOCKING (3P,2.0MM,120MM,UL1007#26)		CWB1B003120HC	1		
	BN87B	nsp	PIN SOCKET (23P,1.25mm,ANGLE, B-TO-B)		CJP23HJ282Z	1		
	BN88B	nsp	PIN SOCKET (21P,1.25mm,ANGLE, B-TO-B)		CJP21HJ282Z	1		
	BN89B	nsp	PIN SOCKET (17P,1.25mm,ANGLE,B-TO-B)		CJP17HJ282Z	1		
	CN101	nsp	WAFER, FFC, SMD(23P-1mm, STRAIGHT)		CJP23GA193ZY	1		
	CN87A	nsp	PIN HEADER (23P,1.25mm,STRAIGHT,B-TO-B)		CJP23GI281Z	1		
	CN87C	nsp	PIN HEADER (23P,1.25mm,STRAIGHT,B-TO-B)		CJP23GI281Z	1		
	CN88A	nsp	PIN HEADER (21P,1.25mm,STRAIGHT,B-TO-B)		CJP21GI281Z	1		
	CN88C	nsp	PIN HEADER (21P,1.25mm,STRAIGHT,B-TO-B)		CJP21GI281Z	1		
	CN89A	nsp	PIN HEADER (17P,1.25mm,STRAIGHT,B-TO-B)		CJP17GI281Z	1		
	CN89C	nsp	PIN HEADER (17P,1.25mm,STRAIGHT,B-TO-B)		CJP17GI281Z	1		
	JK101	9436441018 40D	JACK, HDMI(KSI-TWI, W/O FLANGE)		CJJ9H017Z	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		
	L4661,4662	00D9430193601	COIL, TOROIDAL	N/K	CLU9S004Z	2		
	RY871	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
	RY875	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1		
	RY877-880	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	4		

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.

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
SEMICONDUCTORS GROUP							
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	20131000150 3S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
D5257	90M-HI200020R	INFRARED L.E.D		BVDSIR34ST3F	1		
D5312	20131000150 3S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
D5321	943202500750M	DIODE , ZENER(8.2V/0.5W, SOD-123)		CVDMM1Z8V2H	1	*	
D5325	00D9430060501	DIODE , RECTIFIER		HVD1SR159-200	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		
IC531	943239010400S	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1		
IC532	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
Q5211	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
Q5212	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
Q5221	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
Q5222	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
Q5253	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
Q5311	943215500020S	T.R,RT1P141C(10K-10K)		CVTRT1P141C	1		
Q5312	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
Q5313,5314	943215500020S	T.R,RT1P141C(10K-10K)		CVTRT1P141C	2		
Q5315	943214500020S	T.R,2SC3052		CVT2SC3052	1		
Q5316	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
Q5321	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
Q5322	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
Q5323	943215500140D	T.R,RT1P144C(10K-47K)		CVTRT1P144C	1		
Q5324	943213500160S	T.R,RT1N237C(2.2K-47K)		CVTRT1N237C	1		
Q5325	963219003340S	T.R , BIAS		CVTKTC3964	1		
RESISTOR GROUP							
R5101-5103	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	3		
R5107	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1		
R5108	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	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		
R5193,5194	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	2		
R5211,5212	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
R5221,5222	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	2		
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		
R5318	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
R5321	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	1		
R5323-5325	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	3		
R5326	nsp	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1		
R5327	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
R5331,5332	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	2		
R5333,5334	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
R5335-5338	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	4		
R5341-5344	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	4		
R5352	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
R5353,5354	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	2		
R5355	nsp	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1		
R5356-5358	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	3		
R5371,5372	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
R5373,5374	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
CAPACIITORS GROUP							
C5107-5109	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	3		
C5121-5123	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	3		
C5131-5133	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	3		
C5151-5153	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	3		
C5161	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
C5162	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
C5163	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
C5164	nsp	CAP, ELECT(16V/47uF)		CCEA1CH470T	1		
C5165,5166	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	2		
C5171	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
C5174-5176	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	3		
C5178-5181	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	4		
C5182,5183	nsp	CAP, ELECT(16V/47uF)		CCEA1CH470T	2		
C5184-5192	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	9		
C5193,5194	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
C5212,5213	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	2		
C5214	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1		
C5222,5223	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	2		
C5224	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1		
C5231	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C5233-5235	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	3		
	C5236	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C5237	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C5238,5239	nsp	CAP, CHIP(1608, 50V/33pF)		CCUS1H330JA	2		
	C5256,5257	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	2		
	C5312	nsp	CAP, CHIP(2012, 10V/4.7uF)		CCUC1A475ZF	1		
	C5313	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C5315	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C5316	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C5317	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C5320-5322	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	3		
	C5325	00D9430103905	CAP, ELECT(16V/470uF)		CCEA1CH471T	1		
	C5331,5332	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	2		
	C5333-5336	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	4		
	C5371,5372	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	2		
	C5373,5374	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	2		
	C5399	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	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	943643102150S	JACK, 6P(Y/Y,Y/Y,Y/Y), GOLD		CJJ4R057Z	1		
	JK512,513	943643102160S	JACK, 6P(G/G,B/B,R/R), GOLD		CJJ4R055Z	2		
	JK521	9436461004205	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		
	JK532	963643012080M	JACK, DIN-901B(9P)		CJS6V001Y	1		
	RC521	262010007707S	SENSOR, REMOTE(36.7KHz)		CRVHM336R	1		

DIGITAL PCB ASS'Y

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

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

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

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D1201	00D2760718902	DIODE, SCHOTTKY, 30V		CVDRB521S-30	1		
	D2301	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D3001,3002	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D3003	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D4003-4006	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	4		
	IC121	963236101220D	I.C , HDMI RX		CVIADV7850KBCZ-5	1		
	IC122	96323900215OS	I.C , OCTAL BUFFER/DRIVER		CVISN74LVC244APWR	1		
	IC124	943239100760S	I.C , DE/MUX (8CH ANALOG,TSSOP-16P)		CVITC74VHC4051AFT	1		
	IC151	963236101310S	I.C , VSP (WITH HDMI TX,FROM KAGA)		CVIADV8003KBCZ8C_K	1		
	IC152,153	23981007960AS	I.C , DDR2 SDRAM(512M,FBGA-84P)		CVIK4T51163QJ-BCE7	2		
	IC155	943248102280M	I.C, OSD Serial Flash(SR7008/U/N)	U/N	CVIANAM1819AV	1	*	
	IC155	943248102290M	I.C, OSD Serial Flash(SR7008/K)	K	CVIANAM1820AV	1	*	
	IC156	963231101500S	I.C, LOW DROP REGULATOR(1.8V,TO-252-5)		CVINJM2846DL3-18	1		
	IC201	943243101790M	I.C ,MAIN MCU(SR7008/U/N)	U/N	CVIANAM1814AV	1	*	
	IC201	943243101800M	I.C ,MAIN MCU(SR7008/K)	K	CVIANAM1815AV	1	*	
	IC202	943239100720S	I.C , EEPROM(256KBIT,SOP-8P)		CVIR1EX24256BSAS0A	1		
	IC231	943243101810M	I.C ,SUB MCU(SR7008)		CVIANAM1816AV	1	*	
	IC241	00D2623448908	I.C , 3STATE QUAD BUFFER		CVITC74VHC125FT	1		
	IC301-307	943239101070S	I.C , DC-DC CONVERTER (3A, QFN T&R-24P)		CVIEN5339QI	7		
	IC308	943239100730S	I.C , SYSTEM RESET(4.8V , SOT-25A)		CVIPST8448NR	1		
	IC309,310	943239010400S	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	2		
	IC320	943239101090S	I.C , High side switch (TSSOP-B8)		CVIBD82065FVJ-E2	1		
	IC322	943239100700S	I.C , Ethernet Transceiver(QFN-24P)		CVILAN8720ACPTR	1		
	IC323	00D2623711004	I.C, VIDEO ENCODER		CVISAA7121H/V2.518	1		
	IC326	23671011050AS	I.C , IPOD AUTHENTICATION FROM D&M		CVI23671011050AS_DM	1		
	IC390	23681011260AS	I.C , Network Media processor(LFBGA-320P)		CVIDM860A	1		
	IC392,393	963246100740D	I.C , SDRAM(256M,8BIT,TSOP-54P)		CVIA3V56S30FTP-G6	2		
	IC394	943248102300M	I.C , NETWORK&USB(SR7008/U)	U	CVIANAM1821AV_MAC	1	*	2
	IC394	943248102310M	I.C , NETWORK&USB(SR7008/N)	N	CVIANAM1822AV_MAC	1	*	2
	IC394	943248102320M	I.C , NETWORK&USB(SR7008/K)	K	CVIANAM1823AV_MAC	1	*	2
	IC401	00D2623077900	I.C, HEX INVERTER		HVITC74VHCU04FT	1		
	IC403	00MHC10418030	EOL item I.C , DIR		CVILC89057WVF4AE	1		
	IC404,405	943236101520D	I.C , DIR(SSOP-16)		CVILC89091JA-H	2		
	IC406	943249100030D	I.C , PLD(AVRX4000/SR7008)		CVIANAM1807AV	1		
	IC407	236810083506S	I.C , CLOCK JITTER		CVICS210010-CZZR	1		
	IC408	943245100360D	I.C , DSP(LQFP-176P/350M)		CVIADSP21487KSWZ3B52	1		
	IC409	943246012690S	I.C , 64M SDRAM		CVIW9864G6JH-6	1		
	IC410	943248102330M	I.C , FLASH(for DSP1 SR7008)		CVIANAM1817AV	1	*	
	IC421	943245100370D	I.C , DSP(LQFP-176P/400M)		CVIADSP21487KSWZ4B52	1		
	IC422	943248102090D	I.C , SDRAM(256M,16BIT,TSOP-54P)		CVIA3V56S40FTP-G6	1		
	IC423	943248102340M	I.C , FLASH(for DSP2 SR7008)		CVIANAM1818AV	1	*	
	IC441	943239101080S	I.C , DAC (8CH , HTSSOP-48)		CVIPCM1690DCAR	1		
	IC442,443	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	2		
	IC445	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	IC447	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	IC451	236810086505S	I.C , ADC(96kHz 24-Bit)		CVIAK5358BET	1		
	IC501	943236101530D	I.C , HDMI PORT PROCESSOR		CVISII9575CTUC	1		
	IC541	943239101080S	I.C , DAC (8CH , HTSSOP-48)		CVIPCM1690DCAR	1		
	IC542,543	943232100380S	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	2		
	IC551	943239010400S	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1		
	IC552,553	943239100690S	I.C , 2CH DAC(32BIT,384KHZ,TSSOP-20P)		CVIPCM5100PWR	2		
	Q1201-1203	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	3		
	Q1502	90M-HY200050R	F.E.T (NEC)		CVTUPA672T	1		
	Q1503	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q1504	943215500030S	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1		
	Q2301	943215500020S	T.R,RT1P141C(10K-10K)		CVTRT1P141C	1		
	Q2302,2303	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	2		
	Q2304,2305	943214500020S	T.R,2SC3052		CVT2SC3052	2		
	Q2306	943214500030S	T.R , MUTE		CVTINC2001AC1	1		
	Q2401	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q2402	963212500030S	T.R, ISA1530AC1		CVTISA1530AC1	1		
	Q2403,2404	943214500020S	T.R,2SC3052		CVT2SC3052	2		
	Q2405	963212500030S	T.R, ISA1530AC1		CVTISA1530AC1	1		
	Q2406-2408	943214500020S	T.R,2SC3052		CVT2SC3052	3		
	Q2411	943214500020S	T.R,2SC3052		CVT2SC3052	1		
	Q2414	943214500020S	T.R,2SC3052		CVT2SC3052	1		
	Q2419,2420	943214500020S	T.R,2SC3052		CVT2SC3052	2		
	Q2421	963212500030S	T.R, ISA1530AC1		CVTISA1530AC1	1		
	Q2422,2423	943214500020S	T.R,2SC3052		CVT2SC3052	2		
	Q3001-3004	943229500020S	MOSFET,TPC6111(P-CH,U-MOSV)		CVTTPC6111	4		
	Q3005	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q3006,3007	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	2		
	Q3008	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q3009	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1		
	Q3012	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q3013	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q3015	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q3016	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q3017	00D2710326904	T.R,2SA1954		CVT2SA1954	1		
	Q3018	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q3019	00D2710326904	T.R,2SA1954		CVT2SA1954	1		
	Q3020	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q3031	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q3032	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q3033	943212500220D	T.R, 2SA2166, PNP, TO-236, ISAHAYA		CVT2SA2166	1		
	Q3034	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q3035	943214500020S	T.R,2SC3052		CVT2SC3052	1		
	Q3038,3039	943216500050S	T.R,RT1N441C(47K-47K)		CVTRT1N441C	2		
	Q4004	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q4005	963216500060S	T.R,RT1N144C(10K-47K)		CVTRT1N144C	1		
	Q4006	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1		
	Q4007	963216500060S	T.R,RT1N144C(10K-47K)		CVTRT1N144C	1		
	RESISTOR GROUP							
	R1201	nsp	RES, CHIP(1005/5%/2.2Kohm)		CRJ06IJ222T	1		
	R1202	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R1203-1205	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R1206	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1207,1208	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R1209	nsp	RES, CHIP(1005/5%/2Kohm)		CRJ06IJ202T	1		
	R1210,1211	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R1213	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R1218	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1219,1220	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	2		
	R1221	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R1222	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R1223	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R1224	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R1225	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R1226	nsp	RES, CHIP(1608/1%/470ohm)		CRJ10DF4700T	1		
	R1227	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1229	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R1232	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1234-1238	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	5		
	R1239	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R1240	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R1241	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1		
	R1242	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R1243-1246	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	4		
	R1248	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R1250	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R1251	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1254	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1255,1256	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	2		
	R1258,1259	nsp	RES, CHIP(1005/5%/2.2Kohm)		CRJ06IJ222T	2		
	R1260	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1261-1268	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	8		
	R1269,1270	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R1271	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R1273-1277	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	5		
	R1280	nsp	RES, CHIP(1005/5%/680ohm)		CRJ06IJ681T	1		
	R1284	nsp	RES, CHIP(1005/5%/680ohm)		CRJ06IJ681T	1		
	R1286-1293	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	8		
	R1294-1299	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	6		
	R1301,1302	nsp	RES, CHIP(1005/5%/22ohm)		CRJ06IJ220T	2		
	R1303-1308	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	6		
	R1501,1502	nsp	RES, CHIP(1005/1%/1Kohm)		CRJ06IF1001T	2		
	R1503,1504	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R1505	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1506	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R1507	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R1509	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R1510-1512	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R1521	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R1523,1524	nsp	RES, CHIP(1608/1%/2.7Kohm)		CRJ10DF2701T	2		
	R1525,1526	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R1532,1533	nsp	RES, CHIP(1608/1%/180ohm)		CRJ10DF1800T	2		
	R1534,1535	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R1536	nsp	RES, CHIP(1608/1%/470ohm)		CRJ10DF4700T	1		
	R1538	nsp	RES, CHIP(1608/1%/470ohm)		CRJ10DF4700T	1		
	R1540-1543	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R1544	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R1546	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1547	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R1548-1551	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	4		
	R1553	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1554-1556	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	3		
	R1557	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R1558-1561	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	4		
	R1566,1567	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	2		
	R1571	nsp	RES, CHIP(1005/5%/39ohm)		CRJ06IJ390T	1		
	R1574	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1575,1576	nsp	RES, CHIP(1005/1%/1Kohm)		CRJ06IF1001T	2		
	R1580	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1606	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R1607	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1611	nsp	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1		
	R1612	nsp	RES, CHIP(1608/5%/1.3Kohm)		CRJ10DJ132T	1		
	R1613	nsp	RES, CHIP(1005/5%/56ohm)		CRJ06IJ560T	1		
	R1614	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R1622	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R1637,1638	nsp	RES, CHIP(1608/1%/51ohm)		CRJ10DF51R0T	2		
	R1640	nsp	RES, CHIP(1608/5%/5.1ohm)		CRJ10DJ5R1T	1		
	R1641-1668	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	28		
	R1691-1694	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	4		
	R1696	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R1702-1715	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	14		
	R2004	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1		
	R2005-2007	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	3		
	R2008	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2009,2010	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2015	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2042-2044	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R2048	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2060	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1		
	R2060	nsp	RES, CHIP(1608/5%/10Kohm)	K	CRJ10DJ103T	1		
	R2061	nsp	RES, CHIP(1608/5%/0ohm)	N	CRJ10DJ0R0T	1		
	R2061	nsp	RES, CHIP(1608/5%/10Kohm)	K	CRJ10DJ103T	1		
	R2095,2096	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2098	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2100-2102	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R2103	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2105	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R2107	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2111	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2112	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2113	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2114	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2115	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2116,2117	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2119-2121	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R2122	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2123-2125	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R2128-2132	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	5		
	R2136	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2138-2140	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R2141	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R2147	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2149	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R2152-2154	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R2155,2156	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2301	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2302,2303	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2304	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R2305	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2306,2307	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2308	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2309-2311	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R2312-2316	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	5		
	R2318-2321	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R2322	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2324	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2325-2327	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R2328	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2329	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R2332-2334	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R2338	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2340-2342	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R2345	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2346	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R2347	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2348	nsp	RES, CHIP(1005/5%/2.2Mohm)		CRJ06IJ225T	1		
	R2349	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R2350	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R2351	nsp	RES, CHIP(1005/5%/220Kohm)		CRJ06IJ224T	1		
	R2352	nsp	RES, CHIP(1005/5%/27Kohm)		CRJ06IJ273T	1		
	R2353	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R2354	nsp	RES, CHIP(1005/5%/1.2Kohm)		CRJ06IJ122T	1		
	R2356,2357	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2359	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R2360,2361	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2362,2363	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2364	nsp	RES, CHIP(1005/5%/150Kohm)		CRJ06IJ154T	1		
	R2365	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1		
	R2366,2367	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2368	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R2370-2375	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	6		
	R2381	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R2382-2391	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	10		
	R2395	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R2401,2402	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R2403,2404	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R2407	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R2408	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2409	nsp	RES, CHIP(1005/5%/33Kohm)		CRJ06IJ333T	1		
	R2410	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R2411	nsp	RES, CHIP(1005/5%/15Kohm)		CRJ06IJ153T	1		
	R2412	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2413	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R2414	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2415	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1		
	R2417	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R2419	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2420	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1		
	R2422	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R2424	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2427	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R2431	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R2433	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2437	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R2439	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2441,2442	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R2443	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2444	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1		
	R2446	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R2447	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2448	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2449	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1		
	R2451	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R2452	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R2455	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R2456	nsp	RES, CHIP(1005/5%/8.2Kohm)		CRJ06IJ822T	1		
	R2457	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R2905-2907	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	3		
	R2910	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R2912	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3001	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R3002	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R3003	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R3004	nsp	RES, CHIP(1608/1%/169Kohm)		CRJ10DF1693T	1		
	R3005	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3006	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R3008	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R3009	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R3010	nsp	RES, CHIP(1608/1%/169Kohm)		CRJ10DF1693T	1		
	R3011	nsp	RES, CHIP(1608/1%/2Kohm)		CRJ10DF2001T	1		
	R3012	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R3013	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R3014	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R3015	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R3016	nsp	RES, CHIP(1608/1%/76.8Kohm)		CRJ10DF7682T	1		
	R3017	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3018	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R3020	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R3021,3022	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	2		
	R3023	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R3024	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R3025	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R3026	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R3027	nsp	RES, CHIP(1608/1%/412Kohm)		CRJ10DF4123T	1		
	R3028	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3029	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R3031	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R3032	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R3033	nsp	RES, CHIP(1608/1%/294Kohm)		CRJ10DF2943T	1		
	R3034	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3035	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R3036	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
	R3037	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R3038	nsp	RES, CHIP(1608/1%/348Kohm)		CRJ10DF3483T	1		
	R3040	nsp	RES, CHIP(1608/1%/76.8Kohm)		CRJ10DF7682T	1		
	R3041	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3042	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R3060-3064	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	5		
	R3065	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3066,3067	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R3070	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3071	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R3072	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3073	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R3074	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3075	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R3076	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R3079	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3080	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R3081	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3082	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R3083	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3084	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R3085	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3086	nsp	RES, CHIP(1005/5%/100Kohm)		CRJ06IJ104T	1		
	R3088	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R3093	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1		
	R3094	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R3095	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3097	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3098	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R3101,3102	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R3202-3204	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R3205	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R3211	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R3212	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3216-3218	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	3		
	R3226	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3229,3230	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R3234	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3238	nsp	RES, CHIP(1005/5%/4.7ohm)		CRJ06IJ4R7T	1		
	R3242,3243	nsp	RES, CHIP(1608/5%/3.3ohm)		CRJ10DJ3R3T	2		
	R3244	nsp	RES, CHIP(1005/5%/1.2Kohm)		CRJ06IJ122T	1		
	R3245	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3280-3286	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	7		
	R3289	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R3291-3294	nsp	RES, CHIP(1608/1%/49.9ohm)		CRJ10DF49R9T	4		
	R3299	nsp	RES, CHIP(1608/1%/8.2Kohm)		CRJ10DF8201T	1		
	R3300	nsp	RES, CHIP(1608/1%/3.9Kohm)		CRJ10DF3901T	1		
	R3303	nsp	RES, CHIP(1608/1%/1.5Kohm)		CRJ10DF1501T	1		
	R3305	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3801-3810	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	10		
	R3902-3904	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	3		
	R3905,3906	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	2		
	R3907	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3908,3909	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	2		
	R3910-3912	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R3913	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1		
	R3914	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R3915	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3919	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1		
	R3920	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R3921	nsp	RES, CHIP(1005/5%/1.5Kohm)		CRJ06IJ152T	1		
	R3927	nsp	RES, CHIP(1005/5%/2.7Kohm)		CRJ06IJ272T	1		
	R3928	nsp	RES, CHIP(1005/5%/1.5Kohm)		CRJ06IJ152T	1		
	R3929-3931	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R3934-3938	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	5		
	R3939	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R3943	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3944-3947	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	4		
	R3950,3951	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	2		
	R3952-3954	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	3		
	R3955,3956	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	2		
	R3961-3969	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	9		
	R3971	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	1		
	R3972	nsp	RES, CHIP(1005/5%/1.2Kohm)		CRJ06IJ122T	1		
	R3973	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R3974	nsp	RES, CHIP(1005/5%/1.5Kohm)		CRJ06IJ152T	1		
	R3975	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R3976	nsp	RES, CHIP(1005/5%/12Kohm)		CRJ06IJ123T	1		
	R3984-3988	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	5		
	R3989	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R3991	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R3992	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4001-4004	nsp	RES, CHIP(1005/5%/150ohm)		CRJ06IJ151T	4		
	R4005,4006	nsp	RES, CHIP(1005/5%/470ohm)		CRJ06IJ471T	2		
	R4011	nsp	RES, CHIP(1005/5%/330Kohm)		CRJ06IJ334T	1		
	R4012,4013	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R4014	nsp	RES, CHIP(1005/5%/330Kohm)		CRJ06IJ334T	1		
	R4016,4017	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R4022	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4023	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R4024,4025	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R4026	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4027-4030	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R4031	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R4032	nsp	RES, CHIP(1005/5%/220ohm)		CRJ06IJ221T	1		
	R4033	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4034	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R4035	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R4036	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1		
	R4037	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4038	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R4045-4048	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	4		
	R4049	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4050	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4051,4052	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	2		
	R4054	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R4055	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R4057	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1		
	R4058	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R4059,4060	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R4061	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4062-4065	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	4		
	R4066	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R4067	nsp	RES, CHIP(1608/5%/390ohm)		CRJ10DJ391T	1		
	R4068	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R4070	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4071	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4072	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4073	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4076	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R4078	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R4079	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4080	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R4084-4089	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	6		
	R4096	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4097-4101	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	5		
	R4112	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4113,4114	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R4115,4116	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R4118-4121	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	4		
	R4122	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4124	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4126-4129	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	4		
	R4130	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4131-4134	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	4		
	R4149,4150	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R4151	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R4155-4158	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	4		
	R4159-4162	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R4170-4175	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	6		
	R4201	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4202-4204	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R4206	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R4207,4208	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R4209-4212	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R4213	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4214,4215	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	2		
	R4216,4217	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R4218	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R4219-4221	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	3		
	R4222	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4223	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4224	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4225-4227	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	3		
	R4228	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1		
	R4229	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R4230	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4231	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R4232	nsp	RES, CHIP(1608/5%/390ohm)		CRJ10DJ391T	1		
	R4234	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R4235	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4237	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R4239-4242	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	4		
	R4243	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4248	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1		
	R4249	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4250	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4252	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4254	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4255-4258	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	4		
	R4259,4260	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	R4270	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R4271-4274	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	4		
	R4401	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1		
	R4402	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R4403	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R4404	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R4411-4414	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R4415-4418	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	4		
	R4419-4422	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	4		
	R4423-4426	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R4427,4428	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4431-4434	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R4435	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R4437	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1		
	R4439	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	1		
	R4440	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R4441	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	1		
	R4442	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R4443	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R4444	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R4445	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R4446	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R4447,4448	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4451-4454	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R4455-4458	nsp	RES, CHIP(1608/5%/120Kohm)		CRJ10DJ124T	4		
	R4459-4462	nsp	RES, CHIP(1608/5%/18Kohm)		CRJ10DJ183T	4		
	R4463-4466	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	4		
	R4467,4468	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4471-4474	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R4475-4478	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	4		
	R4479-4482	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	4		
	R4483-4486	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R4487,4488	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R4501,4502	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	2		
	R4505,4506	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	2		
	R4515	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1		
	R4516	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R5004,5005	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R5007	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R5008	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1		
	R5009	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R5013,5014	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R5016	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R5017	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R5024,5025	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R5027	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R5028	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1		
	R5034	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R5035	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1		
	R5036,5037	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R5044,5045	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R5047	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R5048	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1		
	R5054,5055	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	2		
	R5057	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R5058	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1		
	R5063	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5065	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5071	nsp	RES, CHIP(1608/5%/130Kohm)		CRJ10DJ134T	1		
	R5072	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R5073-5078	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	6		
	R5081,5082	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	2		
	R5083	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1		
	R5084	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5086,5087	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	2		
	R5091	nsp	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1		
	R5092,5093	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	2		
	R5094	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1		
	R5095-5097	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	3		
	R5098,5099	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R5401	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1		
	R5402	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1		
	R5403,5404	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	2		
	R5411-5414	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	4		
	R5415-5418	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	4		
	R5419-5422	nsp	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	4		
	R5423-5426	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	4		
	R5427,5428	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	2		
	R5431	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	1		
	R5433	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	1		
	R5439	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R5441	nsp	RES, CHIP(1608/5%/22Kohm)		CRJ10DJ223T	1		
	R5443	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R5445	nsp	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1		
	R5447	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R5501	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5503	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5505	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5506,5507	nsp	RES, CHIP(1005/5%/470ohm)		CRJ06IJ471T	2		
	R5508	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5510	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1		
	R5512	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1		
	R5513,5514	nsp	RES, CHIP(1005/5%/470ohm)		CRJ06IJ471T	2		
	R5515,5516	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	2		
	RN140,141	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	2		
	RN142-145	nsp	RES, CHIP(1005/5%/4.7Kohm*4)		CRJ064IJ472T	4		
	RN151-156	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	6		
	RN158-166	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	9		
	RN201	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN404	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1		
	RN405	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN407	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN411-414	nsp	RES, CHIP(1005/5%/100ohm*4)		CRJ064IJ101T	4		
	RN416-419	nsp	RES, CHIP(1005/5%/100ohm*4)		CRJ064IJ101T	4		
	RN420-422	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	3		
	RN424,425	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	2		
	RN429-432	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	4		
	RN433	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN434-437	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	4		
	RN438	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN440	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1		
	RN451-454	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	4		
	RN456	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1		
	RN501-507	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	7		
	CAPACIITORS GROUP							
	C1097-1099	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	3		
	C1203-1211	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	9		
	C1212	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1215	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1216,1217	nsp	CAP, CHIP(1608, 50V/12pF)		CCUS1H120JA	2		
	C1223	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1224	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1225	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1226	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1227	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1228	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1229	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1230	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1231	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1232	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1233	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1234	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1235	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1238	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1239	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1242	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1243	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1244	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1245	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1246,1247	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1249	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1250	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1251	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1252	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1253	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1254	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1255	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1256	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1257	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1258	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1259	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1260	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C1261	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1262	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1263	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1264	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1265	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1266	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1267	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1268	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1269	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1270	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1271	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1273	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1274	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1276	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1277	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1278	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1279	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1280	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1281	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1282	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1283	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1284	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1285	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1286	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1287	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1292	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1293	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1294	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1295	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1298-1303	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	6		
	C1304	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C1305	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C1306	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1310	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1315-1326	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	12		
	C1327	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C1328	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1329	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C1330	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1331	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1334	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1335	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1336	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1337	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1		
	C1352	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1361	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1362	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1363	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1364	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1365	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1367	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1368	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1369	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1370	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1371	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1372	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1373	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1374	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1375	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1376	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1377	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1379	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1380	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1381	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1382	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1383	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1384	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1385	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1386	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1387	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1388	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1392	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1394	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1395	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1396	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1397	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1398	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1399	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1400	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1401	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1402	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1403	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1404	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1405	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1406	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1407	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1408	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1409	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1410	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1411	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1412	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1413	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1414	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1416	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1417	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1418	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1419	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1420	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1421	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1422	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1423	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1424	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1427	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1428	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1429	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1430	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1431	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1432	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C1433	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1434	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1435	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1436	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1437	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1438	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1439	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1440	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1441	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1442	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1443	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1444	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1445	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1446	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1447	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1448	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1449	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1450	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1451	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1452	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1453	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1454	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1455	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1456	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1457	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1458	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1459	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1460	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1462	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1463	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1464	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1466	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1502,1503	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1506,1507	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1508	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1510	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1511	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1512	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1514,1515	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1516	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1517	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1518	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1520,1521	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1522	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1524,1525	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1526	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1527	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1528	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1529	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1530	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1531	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1532	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1533	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1534	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1535	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1536	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1537	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1538	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1539	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1540	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1542,1543	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1544	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1545	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1546	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1547	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1548	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1549	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1550	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1551	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1552	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1553	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1554	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1555	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1556	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1557	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1558	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1559	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1560	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1561	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1562	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1564	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1565	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1566	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1567,1568	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1571	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1572	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1573	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1574,1575	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1577	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1578	nsp	CAP, CHIP(1608, 16V/0.15uF)		CCUS1C154KC	1		
	C1579	nsp	CAP, CHIP(1005, 25V/0.012uF)		CCUI1E123KC	1		
	C1580	nsp	CAP, CHIP(1608, 16V/0.15uF)		CCUS1C154KC	1		
	C1581	nsp	CAP, CHIP(1005, 25V/0.012uF)		CCUI1E123KC	1		
	C1586,1587	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	2		
	C1589-1591	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	3		
	C1592,1593	nsp	CAP, CHIP(1608, 50V/12pF)		CCUS1H120JA	2		
	C1594-1625	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	32		
	C1628	nsp	CAP, CHIP(1005, 50V/33pF)		CCUI1H330JA	1		
	C1629	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C1630,1631	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1632	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C1633	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1		
	C1634	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1635	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C1636,1637	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1640	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1641	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C1645	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C1646	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1647	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1648	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1649	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1650	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1651	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1652	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1653	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1655	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1657	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1658	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1659	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1663	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1670-1675	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	6		
	C1677	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1678	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1679	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1681	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1682	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1685	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1686,1687	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1689	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1690	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C1693	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1		
	C1694,1695	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C1697-1702	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	6		
	C1704,1705	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C2012-2016	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	5		
	C2017,2018	nsp	CAP, CHIP(1608, 50V/15pF)		CCUS1H150JA	2		
	C2019-2025	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	7		
	C2301,2302	nsp	CAP, CHIP(1608, 50V/12pF)		CCUS1H120JA	2		
	C2303	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C2304	nsp	CAP, CHIP(1608, 10V/0.47uF)		CCUS1A474KC	1		
	C2310	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C2311	nsp	CAP, CHIP(1005, 50V/220pF)		CCUI1H221JA	1		
	C2312	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C2314-2316	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	3		
	C2325,2326	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	2		
	C2401	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C2404-2410	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	7		
	C2413-2416	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	4		
	C2908	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C2910-2917	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	8		
	C2922-2925	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	4		
	C2932	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C2933	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C2934-2943	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	10		
	C3001	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3002	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3003	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3004	nsp	CAP, CHIP(1608, 50V/5pF)		CCUS1H050CA	1		
	C3005	nsp	CAP, CHIP(2012, 6.3V/22uF, X7R)		CCUC0J226KC	1		
	C3006	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3010	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3011	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3012	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3013	nsp	CAP, CHIP(1608, 50V/5pF)		CCUS1H050CA	1		
	C3014	nsp	CAP, CHIP(2012, 6.3V/22uF, X7R)		CCUC0J226KC	1		
	C3015	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3019	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3020	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3021	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3022	nsp	CAP, CHIP(1608, 50V/3.3pF)		CCUS1H3R3JA	1		
	C3023	nsp	CAP, CHIP(2012, 6.3V/22uF, X7R)		CCUC0J226KC	1		
	C3024	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3028	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3029	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3030	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3031	nsp	CAP, CHIP(1608, 50V/5pF)		CCUS1H050CA	1		
	C3032	nsp	CAP, CHIP(2012, 6.3V/22uF, X7R)		CCUC0J226KC	1		
	C3033	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3038	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3039	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3040	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3041	nsp	CAP, CHIP(1608, 50V/5pF)		CCUS1H050CA	1		
	C3042	nsp	CAP, CHIP(2012, 6.3V/22uF, X7R)		CCUC0J226KC	1		
	C3043	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3047	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3048	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3049	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3050	nsp	CAP, CHIP(1608, 50V/5pF)		CCUS1H050CA	1		
	C3051	nsp	CAP, CHIP(2012, 6.3V/22uF, X7R)		CCUC0J226KC	1		
	C3052	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3056	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3057	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3058	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3059	nsp	CAP, CHIP(1608, 50V/3.3pF)		CCUS1H3R3JA	1		
	C3060	nsp	CAP, CHIP(2012, 6.3V/22uF, X7R)		CCUC0J226KC	1		
	C3061	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3068	nsp	CAP, CHIP(1005, 25V/0.022uF)		CCUI1E223KC	1		
	C3069	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3071,3072	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C3075	943134500040S	CAP, SMD ELECT(16V/100uF)		HCEC1CRV2101T	1		
	C3076	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3077	nsp	CAP, SMD ELECT(16V/10uF)		HCEC1CRV2100T	1		
	C3078,3079	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C3080	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3081	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3082	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3083	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C3086	943134500030S	CAP, SMD ELECT(16V/470uF)		CCEC1CRV471T	1		
	C3087	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3089	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3091	943134500030S	CAP, SMD ELECT(16V/470uF)		CCEC1CRV471T	1		
	C3092	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3093	nsp	CAP, CHIP(1005, 25V/0.015uF)		CCUI1E153KC	1		
	C3094	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3095,3096	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C3099	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C3154,3155	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C3156-3162	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	7		
	C3202	nsp	CAP, CHIP(1005, 25V/0.022uF)		CCUI1E223KC	1		
	C3203,3204	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	2		
	C3205,3206	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C3209	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C3213	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1		
	C3218	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1		
	C3222	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3223	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C3224,3225	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C3229,3230	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C3234	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1		
	C3243-3246	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	4		
	C3248,3249	nsp	CAP, CHIP(1005, 50V/1pF)		CCUI1H1R0CA	2		
	C3257	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C3267	nsp	CAP, CHIP(1005, 50V/470pF)		CCUI1H471JA	1		
	C3268	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C3270-3272	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	3		
	C3273,3274	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	2		
	C3276	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C3900	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C3901,3902	nsp	CAP, CHIP(1608, 50V/10pF)		CCUS1H100JA	2		
	C3904-3907	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	4		
	C3908-3918	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	11		
	C3923	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1		
	C3926-3929	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	4		
	C3930-3939	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	10		
	C3944	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1		
	C3947	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1		
	C3952,3953	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	2		
	C3954-3958	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	5		
	C3959-3963	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	5		
	C3964,3965	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C3966,3967	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	2		
	C3968-3974	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	7		
	C3975-3979	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	5		
	C3980,3981	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C4003,4004	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	2		
	C4005-4008	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	4		
	C4009,4010	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	2		
	C4011	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4012-4014	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	3		
	C4015	nsp	CAP, CHIP(1005, 25V/0.022uF)		CCUI1E223KC	1		
	C4016,4017	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C4018	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4020	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C4021	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4022,4023	nsp	CAP, CHIP(1608, 50V/12pF)		CCUS1H120JA	2		
	C4024-4026	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	3		
	C4038	nsp	CAP, CHIP(1005, 25V/0.022uF)		CCUI1E223KC	1		
	C4039,4040	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C4041	nsp	CAP, CHIP(1005, 25V/0.022uF)		CCUI1E223KC	1		
	C4042,4043	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C4049-4051	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	3		
	C4052	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4053,4054	nsp	CAP, CHIP(1005, 50V/100pF)		CCUI1H101JA	2		
	C4055-4060	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	6		
	C4062	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4063	nsp	CAP, CHIP(1005, 50V/100pF)		CCUI1H101JA	1		
	C4064-4066	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	3		
	C4067,4068	nsp	CAP, CHIP(1608, 50V/18pF)		CCUS1H180JA	2		
	C4069-4103	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	35		
	C4105-4112	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	8		
	C4115	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4121-4167	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	47		
	C4169	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4201-4239	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	39		
	C4241,4242	nsp	CAP, CHIP(1608, 50V/18pF)		CCUS1H180JA	2		
	C4243	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4244,4245	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C4246	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4247	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4248	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4249	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4250,4251	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	2		
	C4252	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4256	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4257	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4258	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4259	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4260-4300	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	41		
	C4301	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4401	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C4402	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C4403,4404	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	2		
	C4405	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C4406	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C4407	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C4411,4412	nsp	CAP, CHIP(2012, 50V/1800pF, MURATA GRM21)		CCUMUC1H182JAM	2		
	C4423-4426	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	4		
	C4427,4428	943134500040S	CAP, SMD ELECT(16V/100uF)		HCEC1CRV2101T	2		
	C4429,4430	00D2544577958	CAP, ELECT(16V/220uF),ELNA/RA3		CCEA1CRA3221T	2		
	C4431	nsp	CAP, CHIP(2012, 50V/1800pF, MURATA GRM21)		CCUMUC1H182JAM	1		
	C4432	nsp	CAP, CHIP(2012, 50V/820pF, MURATA GRM21)		CCUMUC1H821JAM	1		
	C4443-4446	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	4		
	C4451,4452	nsp	CAP, CHIP(2012, 50V/1000pF, MURATA GRM21)		CCUMUC1H102JAM	2		
	C4463-4466	nsp	CAP, CHIP(2012, 50V/180pF, MURATA GRM21)		CCUMUC1H181JAM	4		
	C4471,4472	nsp	CAP, CHIP(2012, 50V/1800pF, MURATA GRM21)		CCUMUC1H182JAM	2		
	C4483-4486	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	4		
	C4491,4492	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C4493,4494	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	2		
	C4497-4499	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	3		
	C4505,4506	nsp	CAP, CHIP(1608, 50V/4700pF)		CCUS1H472KC	2		
	C4507,4508	nsp	CAP, SMD ELECT(16V/10uF)		HCEC1CRV2100T	2		
	C4511,4512	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	2		
	C4513,4514	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C4516	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4521-4528	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	8		
	C4537,4538	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	2		
	C4540-4542	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	3		
	C4544	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4581	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C4583-4591	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	9		
	C4593	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C5002	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C5004	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C5006	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C5008	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C5010	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C5012	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C5013	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1		
	C5014,5015	nsp	CAP, CHIP(1608, 50V/12pF)		CCUS1H120JA	2		
	C5016	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5025,5026	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C5028	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5030	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5032	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5033,5034	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C5036	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5037,5038	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C5040	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5042	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5044	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5046	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5048	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5049,5050	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C5052	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5053,5054	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C5056	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5057,5058	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C5060	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5061,5062	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C5064	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5065,5066	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	2		
	C5067	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5070	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5071-5074	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	4		
	C5075	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5078	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5080	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5082	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5083-5086	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	4		
	C5087	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5089	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5401	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C5402	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C5403	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5404	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C5405	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C5406	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C5407	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1		
	C5411,5412	nsp	CAP, CHIP(2012, 50V/1800pF, MURATA GRM21)		CCUMUC1H182JAM	2		
	C5423-5426	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	4		
	C5429,5430	943134500040S	CAP, SMD ELECT(16V/100uF)		HCEC1CRV2101T	2		
	C5431	nsp	CAP, CHIP(2012, 50V/820pF, MURATA GRM21)		CCUMUC1H821JAM	1		
	C5443	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	1		
	C5445	nsp	CAP, CHIP(2012, 50V/270pF, MURATA GRM21)		CCUMUC1H271JAM	1		
	C5471,5472	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C5473,5474	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	2		
	C5477-5480	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	4		
	C5482,5483	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	2		
	C5491-5494	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	4		
	C5502	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5503	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C5504	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5505	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C5506	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5507	943134005160M	CAP, SMD ELECT(6.3V/22uF)		HCEC0JRV2220T	1		
	C5508,5509	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C5510	nsp	CAP, CHIP(1608, 6.3V/2.2uF)		CCUS0J225KC	1		
	C5511	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5512	nsp	CAP, CHIP(1608, 6.3V/2.2uF)		CCUS0J225KC	1		
	C5513	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5514	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C5515,5516	nsp	CAP, CHIP(1005, 50V/2200pF)		CCUI1H222KC	2		
	C5517,5518	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	2		
	C5519	nsp	CAP, CHIP(1608, 6.3V/2.2uF)		CCUS0J225KC	1		
	C5520	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5521	nsp	CAP, CHIP(1608, 6.3V/2.2uF)		CCUS0J225KC	1		
	C5522	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1		
	C5523	nsp	CAP, CHIP(2012, 6.3V/10uF, X7R)		CCUC0J106KC	1		
	C5524,5525	nsp	CAP, CHIP(1005, 50V/2200pF)		CCUI1H222KC	2		
	OTHER PARTS GROUP							
	BD401	nsp	FERRITE CHIP BEAD(2012/220R, CB05YTYH221)		CLZ9R018V	1		
	BK101-103	nsp	BRACKET , PCB		CMD1A569-V1	3		
	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 (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1		
	BN26A	nsp	PIN SOCKET (13P,1.25mm,ANGLE, B-TO-B)		CJP13HJ282Z	1		
	BN27A	nsp	PIN SOCKET (17P,1.25mm,ANGLE,B-TO-B)		CJP17HJ282Z	1		
	CN121	nsp	WAFER, FFC, SMD(23P-1mm, STRAIGHT)		CJP23GA193ZY	1		
	CN151	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN201	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN202	nsp	WAFER, FFC, SMD(11P-1mm, STRAIGHT)		CJP11GA193ZY	1		
	CN204	nsp	WAFER , SMD (2MM PITCH)-3P		CJP03GA208ZY	1		
	CN231	nsp	WAFER, FFC, SMD(11P-1mm, STRAIGHT)		CJP11GA193ZY	1		
	CN321	nsp	WAFER , SMD (2MM PITCH)		CJP05GA208ZY	1		
	CN390	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN391	nsp	WAFER , SMD (2MM PITCH)		CJP06GA208ZY	1		
	CN401	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	1		
	CN402,403	nsp	WAFER, FFC, SMD(11P-1mm, STRAIGHT)		CJP11GA193ZY	2		
	CN404,405	nsp	WAFER, FFC, SMD(07P-1mm, STRAIGHT)		CJP07GA193ZY	2		
	CN69B	nsp	WAFER, FFC, SMD(40P-1mm, STRAIGHT)		CJP40GA193ZY	1		
	CN704	nsp	WAFER , SMD (2MM PITCH)		CJP05GA208ZY	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	CN781	nsp	WAFER , SMD (2MM PITCH)-4P		CJP04GA208ZY	1		
	CN903	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1		
	J3200	9436431024305	JACK , RJ-45 W/TRANSFORMER		CJJ9L029Z	1		
	JK151,152	9436431000405	JACK, HDMI(KSI-TWI, W/ FLANGE)		CJJ9H016Z	2		
	JK401	90M-YT003480R	JACK, 2P(B/B), GOLD		CJJ4N023Z	1		
	JK402,403	9432621001505	MODULE , OPTICAL(RX 16MHz)		CJSJSR1124	2		
	JK501-507	9436431000405	JACK, HDMI(KSI-TWI, W/ FLANGE)		CJJ9H016Z	7		
	L1201-1213	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	13		
	L1501-1508	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	8		
	L1510	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1512	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1514	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1518	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L1521,1522	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	2		
	L2902-2907	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	6		
	L2908	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L2909	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	L2910	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L2911-2913	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	3		
	L2914,2915	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	2		
	L2916-2928	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	13		
	L2929	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	1		
	L2930-2934	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	5		
	L2936	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	L3001-3018	nsp	FERRITE CHIP BEAD(2012/220R, CB05YTYH221)		CLZ9R018V	18		
	L3019-3021	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	3		
	L3022	nsp	FERRITE CHIP BEAD(2012/120R)		CLZBLM21AG121SN1	1		
	L3023-3032	nsp	FERRITE CHIP BEAD(2012/220R, CB05YTYH221)		CLZ9R018V	10		
	L3200,3201	nsp	COIL, CHOKE CHIP(2012/90R)		CLZ9Z128Z	2		
	L3205,3206	nsp	FERRITE CHIP BEAD(2012/220R, CB05YTYH221)		CLZ9R018V	2		
	L3208	nsp	FERRITE CHIP BEAD(2012/220R, CB05YTYH221)		CLZ9R018V	1		
	L3211	nsp	RES, CHIP(2012/5%/0ohm)		CRJ18AJ0R0T	1		
	L3212	nsp	COIL, CHOKE CHIP(2012/180R)		CLZ9Z127Z	1		
	L3216	nsp	RES, CHIP(2012/5%/0ohm)		CRJ18AJ0R0T	1		
	L3217,3218	nsp	FERRITE CHIP BEAD(2012/220R, CB05YTYH221)		CLZ9R018V	2		
	L3900-3902	nsp	FERRITE CHIP BEAD(2012/220R, CB05YTYH221)		CLZ9R018V	3		
	L5001-5012	nsp	FERRITE CHIP BEAD(1608/60R, CB03YTYH600)		CLZ9R005V	12		
	X1201	9431411007205	X-TAL, SMD 3.2X2.5, 27.000MHz, 10PF		COX27000I100ST	1		
	X1501	9431411007205	X-TAL, SMD 3.2X2.5, 27.000MHz, 10PF		COX27000I100ST	1		
	X2001	9431411006105	X-TAL, SMD 3.2X2.5, 12.000MHz, 10PF		COX12000I100ST	1		
	X2301	9431411007305	X-TAL, SMD 3.2X2.5, 16.000MHz, 9PF		COX16000I090ST	1		
	X3900	9431411006405	X-TAL, SMD 3.2X2.5, 24.000MHz, 8PF		COX24000I080ST	1		
	X4001	9431411006205	X-TAL, SMD 3.2X2.5, 24.576MHz, 12PF		COX24576I120ST	1		
	X4002	9431411010005	X-TAL, SMD 3.2X2.5, 21.875MHz, 12PF		COX21875I120ST	1		
	X4201	9431411007405	X-TAL, SMD 3.2X2.5, 25.000MHz, 12PF		COX25000I120ST	1		
	X5001	9431411007205	X-TAL, SMD 3.2X2.5, 27.000MHz, 10PF		COX27000I100ST	1		
	★	nsp	LABEL , SERIAL NO		CQB1A995	2		

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.

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D9001-9006	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	6		
	D9008,9009	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	2		
	D9010	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D9012	943209500030S	DIODE, LOW FORWARD SCHOTTKY RECTIFIER		CVDSRL3060P	1		
	D9013	00D9630328409	DIODE , RECTIFIER, AXIAL		CVD1N4007ST	1		
!	IC901	231010091708S	I.C , OFF-LINE POWER SWITCH		CVITOP258MG	1		
!	IC902	963239010480S	I.C , PHOTOCOUPLER		CVIPC123Y22FZ0F	1		
	IC903	212050010508S	I.C,SHUNT REGULATOR(TO-92)		CVIKIA2431AP	1		
	Q9001	943229500110S	F.E.T , INK0010AC1 (N-CH, SC-59, MOSFET, ISAHAYA)		CVTINK0010AC1	1		
	Q9003	943214500020S	T.R,2SC3052		CVT2SC3052	1		
	ZD908-910	00D2760762958	DIODE , ZENER ,1/2W, 39V	U	CVDZJ39BT	3		
	ZD911-918	963202010440S	DIODE , ZENER ,1/2W, 22V		CVDZJ22BT	8		
	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/K	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(1608/5%/10ohm)		CRJ10DJ100T	1		
	R9014	nsp	RES, CHIP(1608/5%/270Kohm)	U	CRJ10DJ274T	1		
	R9014	nsp	RES, CHIP(1608/5%/56Kohm)	N/K	CRJ10DJ563T	1		
	R9015	nsp	RES, CHIP(1608/5%/15Kohm)		CRJ10DJ153T	1		
	R9016	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	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, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1		
!	R9031-9034	nsp	RES, CHIP(2012/5%/2.2Mohm)		CRJ18AJ225T	4		
	R9035-9037	nsp	RES, CHIP(2012/5%/1Mohm)		CRJ18AJ105T	3		
	CAPACIITORS GROUP							
!	C9001-9003	963132011940S	CAP, CERAMIC(X1/Y2,0.01uF,AC250V)		CCKDKY103MFM	3		
	C9004	943134501590S	CAP, ELECT(200V/100uF),105'C	U	CCET200NHA101ES	1		
	C9004	963134010200S	CAP , ELECT (400V/100UF, 18X40, NHA)	N/K	CCET400NHA101ES	1		
	C9006	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	1		
	C9007	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C9008	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C9009	00D9430175108	CAP, ELECT(50V/10uF),105'C		CCEA1HNXA100TS	1		
	C9012	963132010120S	CAP, CERAMIC(DC1KV/1000pF)		CCKDDEH102KCM	1		
	C9016	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C9017	00MOA47602520	CAP, ELECT(25V/47uF),105'C		CCEA1ENXA470TS	1		
	C9018	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C9019	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1		
	C9020-9022	963134010220S	CAP, ELECT(6.3V/5600uF)		CCEA0JNXA562ES	3		
	C9024	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
!	C9028	963132011930S	CAP, CERAMIC(X1/Y1,2200P,AC250V)		CCKDKX222MEM	1		
	C9029	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	OTHER PARTS GROUP							
	BK901,902	nsp	BRACKET , PCB M3		CMD1A834	2		
	BK903	nsp	BRACKET , PCB		CMD1A629	1		
	BN903	nsp	WIRE ASS'Y LOCKING (5P,2.5MM,400MM,UL1569#22,105)		CWB7D0054003D	1		
	CN531	nsp	LOCK-WAFER/ANGLE/2.5MM PITCH/3PIN		CJP03GJ289ZY	1		
	CN901	nsp	WAFER, 2P, 3.96mm		CJP02KA060ZY	1		
	CN902	nsp	WAFER, 2P, 7.92mm		CJP02GA89ZY	1		
	CN903	nsp	WAFER , 2P(2.5MM BOARD TYPE)		CJP02GB03ZY	1		
!	CX901	943139500020S	CAP , POLYPROPYLENE FILM (0.1uF/275VAC)		CCQF2E104KZE-T	1		
!	CY901,902	963134011730S	CAP, CERAMIC(X1/Y1,470P,AC250V)		CCKDKX471KBM	2		
	F9001	nsp	HOLDER , FUSE		CJCFC5S	2		
	F9001,9002	nsp	HOLDER , FUSE		CJCFC5S	2		
	F9002	nsp	HOLDER , FUSE		CJCFC5S	2		
	JW901,902	nsp	WIRE ASS'Y (1P, 80MM,BLK,#22)		CWE5202080A	2		
!	LF901	963111010230S	LINE FILTER, 27uH	U	CLZ9Z126Z	1		
!	LF901	943111100410S	LINE FILTER, 50uH	N/K	CLZ9Z133Z	1		
!	RY901	963682010370S	RELAY,HL31-1AT-5H,DC5V,1C1P		CSL1C006ZE	1		
!	T9001	943102100350S	TRANS , SWITCHING		CLT9Z093ZE	1		
!	F9001	963652010510S	FUSE(S506 Series, 250V,2A)	U	CBA2C2000TLEC	1		
!	F9001	963652010500S	FUSE(S506 Series, 250V,1.6A)	N/K	CBA2C1600TLEC	1		
!	F9002	90M-FS001220R	FUSE(218Series, 250V/8A)	U	KBA2C8000TLEY	1		
!	F9002	90M-FS001490R	FUSE(218Series, 250V/4A)	N/K	KBA2C4000TLEY	1		
	★	nsp	RUBBER , TRANS		CHG1A587	1		
	★	nsp	SHEILD , TRANS COVER		CMC1A445	1		
		nsp	TAPE , BOTH SIDE		C4FA101	0.02		

2CH_AMP PCB ASS'Y

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

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

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

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D7808,7809	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7815,7816	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7818	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7839	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7908,7909	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7915,7916	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	2		
	D7918	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7939	00D9430182609	DIODE , SWITCHING		CVD1SS133MT	1		
	D7981	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D7984	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D7991	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	D7994	943209001080S	DIODE , CHIP , SWITCHING		CVD1SS355T	1		
	Q7800	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7804,7805	943211500150S	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD		CVTKSA992FTA	2		
	Q7814	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7818	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7820,7821	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7825	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7831	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7832	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7838	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7839	943214500040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	Q7904,7905	943211500150S	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD		CVTKSA992FTA	2		
	Q7914	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7918	00D2710314903	T.R		HVTKTA1024YT	1		
	Q7920,7921	00D2730471907	T.R		HVTKTC3206YAT	2		
	Q7925	963219003340S	T.R , BIAS		CVTKTC3964	1		
	Q7931	00D9630235301	T.R , POWER(Pc 130W)		HVT2SD2560	1		
	Q7932	00D9630235204	T.R , POWER(Pc 130W)		HVT2SB1647	1		
	Q7938	943212500020S	High Voltage PNP Transistors(SOT-23)		CVTMMBT5401	1		
	Q7939	943214500040S	High Voltage NPN Transistors(SOT-23)		CVTMMBT5551	1		
	ZD784	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD785,786	90M-HD302440R	DIODE , ZENER ,1/2W, 4.7V		CVDZJ4.7BT	2		
	ZD794	943202010080S	DIODE , ZENER ,1/2W, 5.1V		CVDZJ5.1BT	1		
	ZD795,796	90M-HD302440R	DIODE , ZENER ,1/2W, 4.7V		CVDZJ4.7BT	2		
	RESISTOR GROUP							
	R7797,7798	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7800	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7801	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7802	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7803	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7804	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7805	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7806	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7807	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7808	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7809,7810	nsp	RES, CARBON(1/5W,220ohm,J)		CRD20TJ221T	2		
	R7811	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7812	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7814	nsp	RES, M-OXIDE FILM(1W/56Kohm)		CRG1SANJ563RT	1		
	R7816,7817	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	2		
	R7818,7819	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7820	nsp	RES, M-OXIDE FILM(2W/15Kohm)		CRG2SANJ153RT	1		
	R7821	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7824	00MGD05272160	RES, CARBON(1/5W,2.7Kohm,J)		CRD20TJ272T	1		
	R7825	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7826	00MGD05561160	RES, CARBON(1/5W,560ohm,J)		CRD20TJ561T	1		
	R7830	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	1		
	R7831-7834	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7835,7836	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7837	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7838	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7839	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7840	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7841	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7843	nsp	RES, CARBON(1/5W,47Kohm,J)		CRD20TJ473T	1		
	R7844,7845	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	2		
	R7879	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	1		
	R7894	nsp	RES, CARBON(1/5W,10Kohm,J)		CRD20TJ103T	1		
	R7900	nsp	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7901	00MGD05122160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	1		
	R7902	nsp	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1		
	R7903	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7904	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7905	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7906	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7907	nsp	WIRE, COPPER(D0.6)		C3A206	0.02		
	R7908	nsp	RES, M-OXIDE FILM(1W/1Kohm)		CRG1SANJ102RT	1		
	R7909,7910	nsp	RES, CARBON(1/5W,220ohm,J)		CRD20TJ221T	2		
	R7911	nsp	RES, M-OXIDE FILM(1W/3.3Kohm)		CRG1SANJ332RT	1		
	R7912	00MGD05333160	RES, CARBON(1/5W,33Kohm,J)		CRD20TJ333T	1		
	R7914	nsp	RES, M-OXIDE FILM(1W/56Kohm)		CRG1SANJ563RT	1		
	R7916,7917	00MGD05333160	RES, CARBON(1/5W,1.2Kohm,J)		CRD20TJ122T	2		
	R7918,7919	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	2		
	R7920	nsp	RES, M-OXIDE FILM(2W/15Kohm)		CRG2SANJ153RT	1		
	R7921	nsp	RES, M-OXIDE FILM(1W/270ohm)		CRG1SANJ271RT	1		
	R7924	00MGD05272160	RES, CARBON(1/5W,2.7Kohm,J)		CRD20TJ272T	1		
	R7925	nsp	RES, CARBON(1/5W,470ohm,J)		CRD20TJ471T	1		
	R7926	00MGD05561160	RES, CARBON(1/5W,560ohm,J)		CRD20TJ561T	1		
	R7930	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	1		
	R7931-7934	943124500050S	RES, M-OXIDE FILM(2W/0.47ohm)		CRG2SANJR47RT	4		
	R7935,7936	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	2		
	R7937	nsp	RES, CARBON(1/5W,680Kohm,J)		CRD20TJ684T	1		
!	R7938	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7939	nsp	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1		
	R7940	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7941	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1		
	R7943	nsp	RES, CARBON(1/5W,47Kohm,J)		CRD20TJ473T	1		
	R7944,7945	nsp	RES, CARBON(1/5W,22Kohm,J)		CRD20TJ223T	2		
	R7979	943124500240S	RES, M-OXIDE FILM(1W/22ohm)		CRG1SANJ220RT	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R7983	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	R7986	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
!	R7991	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7993	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
!	R7994	252310006506S	PTC THEMISTORS, CHIP(115'C)		CRTPRF18BB471QB5RB	1		
	R7996	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1		
	CAPACIITORS GROUP							
	C7800	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1		
	C7801	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7802	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7804	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	1		
	C7805	nsp	CAP, CHIP(1608, 50V/2200pF)		CCUS1H222KC	1		
	C7806	00MOA47702520	CAP, ELECT(25V/470uF)		CCEA1EH471T	1		
	C7812	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7820,7821	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7825	943134500080S	CAP , ELECT(63V/47uF)		CCEA1JH470T	1		
	C7831,7832	943134500070S	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C7838	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	C7891	94313450157OS	CAP, ELECT(10V/330uF)		CCEA1AH331T	1		
	C7901	00D2544574919	CAP, ELECT(50V/47uF),ELNA/RA3		CCEA1HRA3470T	1		
	C7902	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	1		
	C7904	nsp	CAP, CHIP(1608, 50V/220pF)		CCUS1H221JA	1		
	C7905	nsp	CAP, CHIP(1608, 50V/2200pF)		CCUS1H222KC	1		
	C7906	00MOA47702520	CAP, ELECT(25V/470uF)		CCEA1EH471T	1		
	C7912	nsp	CAP, PE-FILM(100V/220pF/J)		CCME2A221JR11T	1		
	C7920,7921	nsp	CAP, PE-FILM(100V/470pF/J)		CCME2A471JR11T	2		
	C7925	943134500080S	CAP , ELECT(63V/47uF)		CCEA1JH470T	1		
	C7931,7932	943134500070S	CAP, ELECT(100V/10uF)		CCEA2AH100T	2		
	C7938	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1		
	OTHER PARTS GROUP							
	BK791	nsp	BRACKET , PCB		CMD1A569-V1	1		
	BN203	nsp	WIRE ASS'Y (3P,2.0MM,500MM,UL1007#26)		CWB1B003500LC	1		
	BN781	nsp	WIRE ASS'Y (4P,2.0MM,400MM,UL1007#26)		CWB1B004400LC	1		
	CN462	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/3PIN		CJP03GI288ZY	1		
	CN704	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/9PIN		CJP09GI289ZY	1		
	CN785	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	CN791	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/3PIN		CJP03GI288ZY	1		
	CN795	nsp	WAFER (3PIN, AN, 2MM, JWT)		CJP03GB48ZW	1		
	GND79	nsp	PLATE , EARTH(TRONIC ELECTRONICS)		CJT1A026	1		
	VR784	963161012400S	RES ,SEMI FIXED(1K/B-CURVE) ANGLE		CVN1RE102B01T	1		
	VR794	963161012400S	RES ,SEMI FIXED(1K/B-CURVE) ANGLE		CVN1RE102B01T	1		
		nsp	COMPOUND , SILICONE		K8AYG6260	0.4		

HDAM PCB ASS'Y

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

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D8026,8027	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	2		
	D8106-8108	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8112-8114	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8156-8158	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8162-8164	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8208	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D8212-8214	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8256-8258	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8262-8264	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8306-8308	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8312-8314	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8356-8358	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8362-8364	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8406-8408	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8412-8414	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8456-8458	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8462-8464	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8556-8558	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8562	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D8564	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D8567	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1		
	D8606-8608	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8612-8614	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8656-8658	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	D8662-8664	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	3		
	IC811,812	9432321003805	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	2		
	IC821,822	9432321003805	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	2		
	IC831,832	9432321003805	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	2		
	IC841,842	9432321003805	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	2		
	IC851	9432321003805	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	1		
	IC861,862	9432321003805	I.C , DUAL OPAMP(SOP-8P)		CVINJM8080G	2		
	Q8026	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8105,8106	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8107	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8110	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8111,8112	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8113	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8116	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8155,8156	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8157	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8160	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8161,8162	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8163	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8166	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8205	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8207	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8210	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8211,8212	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8213	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8216	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8255,8256	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8257	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8260	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8261,8262	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8263	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8266	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8305,8306	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8307	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8310	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8311,8312	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8313	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8316	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8355,8356	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8357	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8360	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8361,8362	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8363	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8366	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8405,8406	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8407	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8410	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8411,8412	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8413	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8416	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8455,8456	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8457	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8460	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8461,8462	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8463	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8466	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8555,8556	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8557	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8560	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8561,8562	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8563	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8566	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8605,8606	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8607	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8610	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8611,8612	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8613	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8616	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8655,8656	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	2		
	Q8657	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	Q8660	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8661,8662	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	2		
	Q8663	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1		
	Q8666	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1		
	RESISTOR GROUP							
	R5793	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R5794	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R5795	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8101	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8102	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8103	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8104	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8105	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8106	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8107	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8108	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8109	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8110	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8112	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8113	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8114	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8115	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8116	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8117	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8119	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8120	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8122	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8123	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8124	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8151	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8152	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8153	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8154	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8155	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8156	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8157	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8158	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8159	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8160	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8162	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8163	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8164	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8165	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8166	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8167	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8169	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8170	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8172	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8173	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8174	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8201	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8202	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8203	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8204	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8205	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8206	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8207	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8208	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8209	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8210	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8212	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8213	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8214	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8215	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8216	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8217	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8219	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8220	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8222	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8223	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8224	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8225	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8251	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8252	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8253	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8254	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8256	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8257	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8258	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8259	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8260	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8262	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8263	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8264	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8265	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8266	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8267	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8268	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8301	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8302	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8303	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8304	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8305	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8306	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8307	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8308	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8309	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8310	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8312	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8313	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8314	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8315	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8316	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8317	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8319	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8320	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8322	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8323	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8324	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8351	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8352	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8353	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8354	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8355	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R8356	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8357	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8358	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8359	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8360	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8362	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8363	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8364	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8365	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8366	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8367	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8369	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8370	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8372	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8373	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8374	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8401	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8402	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8403	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8404	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8405	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8406	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8407	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8408	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8409	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8410	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8412	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8413	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8414	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8415	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8416	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8417	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8419	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8420	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8422	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8423	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8424	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8451	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8452	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8453	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8454	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8455	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8456	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8457	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8458	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8459	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8460	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8462	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8463	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8464	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8465	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8466	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8467	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8469	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8470	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8472	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8473	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8474	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8551	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8552	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8553	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8554	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8555	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8556	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8557	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8558	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8559	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8560	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8562	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8563	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8564	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8565	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8566	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8567	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8568	nsp	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1		
	R8572	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8573	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8574	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8601	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8602	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8603	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8604	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8605	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8606	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8607	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8608	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8609	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8610	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8612	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8613	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8614	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8615	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8616	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8617	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8619	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8620	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8622	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8623	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8624	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8651	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	R8652	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8653	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8654	nsp	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1		
	R8655	nsp	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1		
	R8656	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8657	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8658	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8659	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R8660	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8662	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8663	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8664	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8665	nsp	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1		
	R8666	nsp	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1		
	R8667	nsp	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1		
	R8669	nsp	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1		
	R8670	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8672	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1		
	R8673	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1		
	R8674	nsp	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1		
	CAPACIITORS GROUP							
	C8101	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8102	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8103	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8104	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8117	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8141	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8143	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8145	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8147	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8151	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8152	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8153	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8154	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8167	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8201	nsp	CAP, ELECT(50V/10uF),ELNA/RA3,6.3X11		CCEA1HRA38P100T	1		
	C8202	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8203	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8204	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8217	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8241	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8243	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8245	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8247	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8251	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8252	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8253	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8254	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8267	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8301	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8302	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8303	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8304	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8317	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8341	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8343	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8345	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8347	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8351	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8352	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8353	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8354	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8367	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8401	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8402	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8403	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8404	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8417	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8441	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8443	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8445	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8447	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8451	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8452	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8453	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8454	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8467	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8541	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8543	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8551	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1		
	C8552	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8553	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8554	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8567	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8601	nsp	CAP, ELECT(50V/10uF),ELNA/RA3,6.3X11		CCEA1HRA38P100T	1		
	C8602	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8603	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8604	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8617	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	C8641	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8643	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8645	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8647	00MOA22702520	CAP, ELECT(25V/220uF)		CCEA1EH221T	1		
	C8651	nsp	CAP, ELECT(50V/10uF),ELNA/RA3,6.3X11		CCEA1HRA38P100T	1		
	C8652	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8653	00D9430175001	CAP, ELECT(25V/47uF)		CCEA1EH470T	1		
	C8654	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1		
	C8667	nsp	CAP, CHIP(1608, 50V/470pF)		CCUS1H471JA	1		
	OTHER PARTS GROUP							
	BK810	nsp	BRACKET , PCB		CMD1A569-V1	1		
	BN87D	nsp	PIN SOCKET (23P,1.25mm,ANGLE, B-TO-B)		CJP23HJ282Z	1		
	BN88D	nsp	PIN SOCKET (21P,1.25mm,ANGLE, B-TO-B)		CJP21HJ282Z	1		
	BN89D	nsp	PIN SOCKET (17P,1.25mm,ANGLE,B-TO-B)		CJP17HJ282Z	1		

EXPLODE

※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.

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	M1	4214100060O4M	BADGE , MARANTZ		CGB1A206	1		
	M2	943402103920M	PANEL , AL FRONT	U1BK	CKM1A249TC23	1	*	
	M2	943402103930M	PANEL , AL FRONT	N1SG	CKM1A249RC62	1	*	
	M2	943402103940M	PANEL , AL FRONT	N1BK/K1BK	CKM1A249SC23	1	*	
	M3	412410005014M	VOLUME KNOB ASS'Y	BK	CGK1A133YA	2		
	M3	943412002020M	VOLUME KNOB ASS'Y	SG	CGK1A133XA	2		
	M4	943424100350M	RING	BK	CGK1A163C23	1		
	M4	943424100360M	RING	SG	CGK1A163C62	1		
	M5	415410001011M	DOOR , AL FRONT AV8003	BK	CKM2A195C23	1		
	M5	415410023134M	DOOR , AL FRONT	SG	CKM2A195C62	1		
	M6	nsp	PLATE , EARTH AV8003		CMC1A340	1		
	M7	00M10BW112010	BASE,SHAFT		CDF1A018	2		
	M8	00M10BW104010	BRACKET,BASE		CMD1A542	1		
	M9	00M10BW305010	MAGNET,BASE		CJC1A008	1		
	M10	nsp	EARTH , USB		CMC1A435	1		
	M11	nsp	EARTH , AUX		CMC1A434	1		
	M12	nsp	EARTH , FRONT		CMC1A437	1		
	M13	nsp	EARTH, EMC		CMC1A456	1		
	M14	nsp	BRACKET , BODY		CMD2A668	1		
	M15	00M05CW257010	CABINET , TOP	BK	CKC1A170K117	1		
	M15	943403100670M	CABINET , TOP	SG	CKC1A170D11	1		
	M16	nsp	WASHER , GROUND		CNW1A035	6		
	M17	nsp	BRACKET , AMP PCB		CMD1A796	5		
	M18	nsp	BRACKET , 2CH HEATSINK L		CMD1A835	1		
	M19	nsp	HEATSINK , 2CH		CMY1A398	1		
	M20	nsp	BRACKET , 2CH HEATSINK R		CMD1A836	1		
	M21	nsp	HEATSINK , MAIN		CMY3A376	1		
	M22	nsp	CHASSIS , BOTTOM		CUA2A338	1		
	M23	nsp	BRACKET , FAN		CMD1A837	1		
	M24	nsp	BRACKET , SCREW COVER		CMD1A813	1		
	M25	nsp	BRACKET , SMPS		CMD1A838	1		
	M26	nsp	PCB BRACKET(HDMI)		CMD1A791	1		
	M27	nsp	PANEL , REAR	U	CKF1A468Z	1		
	M27	nsp	PANEL , REAR	N	CKF2A468Z	1		
	M27	nsp	PANEL , REAR	K	CKF2A468Y	1		
	P1	943424100430M	ORNAMENT , INNER DOOR	BK	CGR1A457X	1	*	
	P1	943424100440M	ORNAMENT , INNER DOOR	SG	CGR1A457RMWD10	1	*	
	P2	454510002018M	HOLDER , DOOR AV8003	BK	CKG1A053B37	1		
	P2	417510015039M	HOLDER , DOOR	SG	CKG1A053RMD10	1		
	P3	943422100480M	SHEET , JACK	BK	CGX1A475Z	1		
	P3	943422100490M	SHEET , JACK	SG	CGX1A475Y	1		
	P4	943422100460M	WINDOW , VFD	BK	CGU1A466Z	1		
	P4	943422100470M	WINDOW , VFD	SG	CGU1A466Y	1		
	P5	481510019100M	LENS , IR	BK	CGU1A460	1		
	P5	481510019131M	LENS , IR	SG	CGU1A460Y	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	BK	CGR1A449B37	2		
	P10	943424002030M	ORNAMENT , VOLUME	SG	CGR1A449RMD10	2		
	P11	00M446T056010	CUSHION,DOOR		CHG1A296Y	2		
	P12	943402103950M	PANEL , SIDE L	BK	CGW1A453RNVB37	1	*	
	P12	943402103960M	PANEL , SIDE L	SG	CGW1A453ROUD10	1	*	
	P13	443510045107M	PANEL , SUB	BK	CGW1A526B37	1		
	P13	443510045138M	PANEL , SUB	SG	CGW1A526RMD10	1		
	P14	943402102690M	PANEL , SIDE R	BK	CGW1A454RNB37	1		
	P14	943402102700M	PANEL , SIDE R	SG	CGW1A454ROD10	1		
	P15	00M10BW355010	INDICATOR,POWER		CGL1A231	1		
	P16	411510015017M	KNOB , TACT POWER AV8003/U	BK	CBT1A1072	1		
	P16	411510021036M	KNOB , POWER	SG	CBT1A1072RMD10	1		
	P17	943474001390S	GEAR , DEMPER AV8003		CDG1A027Z	1		
	P18	411510120001M	4KEY BUTTON ASS'Y	BK	CBT1A1170ZA	1		
	P18	411510120032M	4KEY BUTTON ASS'Y	SG	CBT1A1170YA	1		
	P19	943411101960M	BUTTON , 11KEY	BK	CBT1A1169B37	1		
	P19	943411101970M	BUTTON , 11KEY	SG	CBT1A1169RMD10	1		
	P20	943411101980M	BUTTON , CURSOR	BK	CBT1A1171Z	1		
	P20	943411101990M	BUTTON , CURSOR	SG	CBT1A1171RMYD10	1		
	P21	nsp	SHEET , SCREW		CGX1A439	1		
	P22	nsp	CUSHION , SUPPORT		CHG1A305	4		
	P23	nsp	CUSHION , EVA		CHG1A590	1		
	P24	nsp	CUSHION , EVA		CHG1A590	1		
	P25	nsp	RUBBER		CHG1A113	4		
	P26	00M243W057210	FOOT , FRONT		CKL2A042H46	4		
	P27	00M32CW107010	CUSHION , FOOT		CHG1A360	4		
	P28	nsp	SUPPORT , PCB		CMH1A334	1		
	P29	nsp	SUPPORT , PCB		CMH1A328	2		
	P30	nsp	SPACER , PCB		CRE1A107	2		
	P31	nsp	SUPPORT , RUBBER		CHG1A535	1		
	P32	nsp	SUPPORT, PCB		CRE1A102	1		
	P33	nsp	SPACER , PCB		CRE1A116	2		
	C1	nsp	FRONT PCB ASS'Y(3)	U/N	COP12433L-3	1		
	C1	nsp	FRONT PCB ASS'Y(3)	K	COP12433N-3	1		
	C2	nsp	FRONT PCB ASS'Y(2)	U/N	COP12433L-2	1		
	C2	nsp	FRONT PCB ASS'Y(2)	K	COP12433N-2	1		
	C3	943639101040M	INPUT PCB ASSY(U)	U	COP12523F-2	1		
	C3	943639101050M	INPUT PCB ASSY(N)	N	COP12523G-2	1		
	C3	943639101060M	INPUT PCB ASSY(K)	K	COP12523H-2	1		
	C4	nsp	FRONT PCB ASS'Y(1)	U/N	COP12433L-1	1		
	C4	nsp	FRONT PCB ASS'Y(1)	K	COP12433N-1	1		
	C5	nsp	FRONT PCB ASS'Y(5)	U/N	COP12433L-5	1		
	C5	nsp	FRONT PCB ASS'Y(5)	K	COP12433N-5	1		
	C6	nsp	2CH AMP PCB ASS'Y(1)	U/N	COP12519F-1	1		
	C6	nsp	2CH AMP PCB ASS'Y(1)	K	COP12519H-1	1		
	C7	nsp	2CH AMP PCB ASS'Y(2)	U/N	COP12519F-2	1		
	C7	nsp	2CH AMP PCB ASS'Y(2)	K	COP12519H-2	1		
	C8	nsp	CNT PCB ASS'Y(5)	U	COP12528F-5	1		
	C8	nsp	CNT PCB ASS'Y(5)	N	COP12528G-5	1		
	C8	nsp	CNT PCB ASS'Y(5)	K	COP12528H-5	1		
	C9	nsp	INPUT PCB ASS'Y(2)	U	COP12523F-2	1		
	C9	nsp	INPUT PCB ASS'Y(2)	N	COP12523G-2	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C9	nsp	INPUT PCB ASS'Y(2)	K	COP12523H-2	1		
	C10	nsp	CNT PCB ASS'Y(4)	U	COP12528F-4	1		
	C10	nsp	CNT PCB ASS'Y(4)	N	COP12528G-4	1		
	C10	nsp	CNT PCB ASS'Y(4)	K	COP12528H-4	1		
	C11	nsp	AMP PCB ASS'Y	U/N	COP12385Y	1		
	C11	nsp	AMP PCB ASS'Y	K	COP12385Z	1		
	C12	nsp	FRONT PCB ASS'Y(4)	U/N	COP12433L-4	1		
	C12	nsp	FRONT PCB ASS'Y(4)	K	COP12433N-4	1		
	C13	943685100120M	MOTOR , DC FAN (80X80X25)		CFNRDL8025B1	1	*	
	C14	nsp	SPK PCB ASS'Y(2)	U	COP12527F-2	1		
	C14	nsp	SPK PCB ASS'Y(2)	N	COP12527G-2	1		
	C14	nsp	SPK PCB ASS'Y(2)	K	COP12527H-2	1		
	C15	nsp	CNT PCB ASS'Y(1)	U	COP12528F-1	1		
	C15	nsp	CNT PCB ASS'Y(1)	N	COP12528G-1	1		
	C15	nsp	CNT PCB ASS'Y(1)	K	COP12528H-1	1		
	C16	nsp	SPK PCB ASS'Y(1)	U	COP12527F-1	1		
	C16	nsp	SPK PCB ASS'Y(1)	N	COP12527G-1	1		
	C16	nsp	SPK PCB ASS'Y(1)	K	COP12527H-1	1		
	C17	nsp	CNT PCB ASS'Y(2)	U	COP12528F-2	1		
	C17	nsp	CNT PCB ASS'Y(2)	N	COP12528G-2	1		
	C17	nsp	CNT PCB ASS'Y(2)	K	COP12528H-2	1		
!	C18	943101102230S	POWER TRANS(U)	U	CLT5V066ZU	1		
!	C18	943101102240S	POWER TRANS(N)	N	CLT5V066ZE	1		
!	C18	943101102250S	POWER TRANS(K)	K	CLT5V066ZH	1		
	C20	nsp	SMPS PCB ASS'Y	U	COP12529F	1		
	C20	nsp	SMPS PCB ASS'Y	N	COP12529G	1		
	C20	nsp	SMPS PCB ASS'Y	K	COP12529H	1		
	C21	nsp	INPUT PCB ASS'Y(1)	U	COP12523F-1	1		
	C21	nsp	INPUT PCB ASS'Y(1)	N	COP12523G-1	1		
	C21	nsp	INPUT PCB ASS'Y(1)	K	COP12523H-1	1		
	C22	nsp	INPUT PCB ASS'Y(6)	U	COP12523F-6	1		
	C22	nsp	INPUT PCB ASS'Y(6)	N	COP12523G-6	1		
	C22	nsp	INPUT PCB ASS'Y(6)	K	COP12523H-6	1		
	C23	nsp	INPUT PCB ASS'Y(7)	U	COP12523F-7	1		
	C23	nsp	INPUT PCB ASS'Y(7)	N	COP12523G-7	1		
	C23	nsp	INPUT PCB ASS'Y(7)	K	COP12523H-7	1		
	C24	nsp	INPUT PCB ASS'Y(5)	U	COP12523F-5	1		
	C24	nsp	INPUT PCB ASS'Y(5)	N	COP12523G-5	1		
	C24	nsp	INPUT PCB ASS'Y(5)	K	COP12523H-5	1		
	C25	nsp	HDAM PCB ASS'Y	U/N	COP12530F	1		
	C25	nsp	HDAM PCB ASS'Y	K	COP12530H	1		
	C26	nsp	VIDEO PCB ASS'Y	U/N	COP12524F	1		
	C26	nsp	VIDEO PCB ASS'Y	K	COP12524H	1		
	C27	nsp	SPK PCB ASS'Y(3)	U	COP12527F-3	1		
	C27	nsp	SPK PCB ASS'Y(3)	N	COP12527G-3	1		
	C27	nsp	SPK PCB ASS'Y(3)	K	COP12527H-3	1		
	C28	nsp	CNT PCB ASS'Y(3)	U	COP12528F-3	1		
	C28	nsp	CNT PCB ASS'Y(3)	N	COP12528G-3	1		
	C28	nsp	CNT PCB ASS'Y(3)	K	COP12528H-3	1		
	C29	9U6391012200M	DIGITAL PCB ASSY(U)	U	COP12525F-1	1		
	C29	9U6391012300M	DIGITAL PCB ASSY(N)	N	COP12525G-1	1		
	C29	9U6391012400M	DIGITAL PCB ASSY(K)	K	COP12525H-1	1		
	C30	nsp	TERMINAL , GROUND		CMA1A006	1		
	S1	nsp	SCREW	BK	CTB3+8JFZR	9		
	S1	nsp	SCREW	SG	CTB3+8JFN	9		
	S2	nsp	SCREW		CTB3+8JR	35		
	S3	nsp	SCREW		CTB3+10JR	35		
	S4	nsp	SCREW		CTB3+6FR	7		
	S5	nsp	SCREW		CTWS3+10JR	1		
	S6	nsp	SCREW		CTW3+8JR	19		
	S7	nsp	SCREW , SPECIAL		CHD3A012R	25		
	S8	nsp	SCREW , SPECIAL		CHD4A012R	2		
	S9	nsp	SCREW		CTW3+12JR	2		
	S10	nsp	SCREW		CTW3+16JR	1		
	S11	nsp	SCREW , TRANS		CHDR1A023R	4		
	S12	nsp	SCREW		CTB3+6JR	1		
	S13	nsp	SCREW , SPECIAL		CHD1A036FZR	4		
	S14	nsp	SCREW		CTB26+8JFZR	3		
	S15	nsp	SCREW , DOT		CTBD3+8JFB	38		
	S16	nsp	SCREW , DOT		CTBD3+6FFB	14		
	S17	nsp	SCREW		CTB3+8JFB	2		
	S18	nsp	SCREW , DOT	BK	CTBD3+8JFZR	5		
	S18	nsp	SCREW , DOT	SG	CTBD3+8JFN	5		
	S19	nsp	SCREW	BK	CTW3+8JFZR	6		
	S19	nsp	SCREW	SG	CTW3+8JFC	6		
	★	nsp	SCREW		CTWS3+10GR	1		
	★	nsp	SCREW , DOT		CTBD4+8JFB	2		
	RT01	00MYJ04002640	RECEPTACLE , AC(15A/250V,R-301,B21)		CJJ8A006ZW	1		
	TW91	nsp	2P WIRE ASS'Y(100MM)		CWZPM5003TW91	1		
	★	943606501650S	CARD CABLE , (23P, 350mm, 1mm PITCH, B-type)		CWC4F2A23A350B10	1		
	★	943606502140M	CARD CABLE , (40P, 350mm, 1mm P, B-type, Shield)		CWC4F2A40A350B08001	1	*	
	★	943606501260S	CARD CABLE(1.25mm/13P/80mm/B)	U	CWC4F2A13B080B10	1		
	★	nsp	2P WIRE ASS'Y(100MM)		CWZPM5003TW91A	1		
	★	nsp	ORNAMENT , REAR PANEL		CGX1A491Z	1		
	★	nsp	ORNAMENT , REAR PANEL		CGX1A493Z	1		
	★	nsp	TAPE , HEMELON		CHS1A032	6		
	★	nsp	INSULATOR		CGX1A477	1		
	★	nsp	SUPPORT , DIGITAL EARTH		CHG1A593	2		
	★	nsp	CLAMPER		CHR301-V1	20		
	★	nsp	EARTH , DIGITAL		CMC1A453	1		
	★	943183100370D	TUNER , MODULE(HD RADIO)	U	CNVUMH-AVR	1		

PACKING

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

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

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

U1 : North America model N1 : Europe model K1 : China model F : Japan model

BK : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	1	nsp	SET , AV RECEIVER	U1B	SR7008/U1BSET	1		
	1	nsp	SET , AV RECEIVER	N1B	SR7008/N1BSET	1		
	1	nsp	SET , AV RECEIVER	N1SG	SR7008/N1SGSET	1		
	1	nsp	SET , AV RECEIVER	K1B	SR7008/K1BSET	1		
	2	nsp	POLY SHEET		CPB1A212	1		
	3	nsp	TAPE , P.P(24MM*50MM)		C4F3247YE	0.5		
	4	943533101810M	PAD , SNOW BOTTOM		CPS1A944	1	*	
	5	943533101820M	PAD , SNOW TOP		CPS1A945	1	*	
	6	943531103780M	BOX , OUT CARTON		CPG1A981Z	1	*	
	8	-	INSTRUCTION MANUAL ASS'Y	U	CQXSR7008U	1		
	8	-	INSTRUCTION MANUAL ASS'Y	N	CQXSR7008N	1		
	8	-	INSTRUCTION MANUAL ASS'Y	K	CQXSR7008K	1		
	★	35201023700AM	INST. MANUAL(CD-ROM U)	U	CFT1A101ZA	1		
	★	35201023800AM	INST. MANUAL(CD-ROM N)	N	CFT1A102ZA	1		
	★	35201024000AM	INST. MANUAL(CD-ROM K)	K	CFT1A103ZA	1		
	★	nsp	BAG , POLY(MANUAL)		CPB1A197Z	1		
	★	943543102950M	LABEL, SPEAKER CABLE		CQB1A1166Z	1	*	
	★	nsp	CARD , WARRANTY	U	CQE1A131V	1		
	★	nsp	WARRANTY CANADA	U	CQE1A132V	1		
	★	nsp	CARD FOR CHINA INDENTIFICATION	K	CQE1A450Z	1		
	★	54111103300AM	GETTING STARTED (U)	U	CQX1A1750Z	1		
	★	54111103400AM	GETTING STARTED (N)	N	CQX1A1751Z	1		
	★	54111103500AM	GETTING STARTED (K)	K	CQX1A1752Z	1		
	★	963116100070S	ANT, AM LOOP(9.5uH/5T)	U	CSA1A039Y	1		
	★	943116100170D	FM 1 POLE ANT (UL TYPE)		CSA1A044Z	1		
	★	nsp	TAPE , P.P(24MM*50MM)		C4F3247YE	0.2		
	9	30701014200AM	REMOCON ASS'Y, (RC023SR)		CARTSR7008	1		
	10	nsp	BATTERY , AAA 2PCS IN PACK		CABR03PPB	2		
!	11	943611500750D	CORD , POWER (PLUG+SOCKET) UL ,(WHITE BANDING)	U	CJA2A119YL	1		
!	11	943611500760D	CORD , POWER (PLUG+SOCKET) EUR ,(WHITE BANDING)	N	CJA2B120Y	1		
!	11	943611500770D	CORD , POWER (PLUG+SOCKET) CHN ,(WHITE BANDING)	K	CJA2N075Y	1		
	12	nsp	BAG , POLY		CPB1A008Z	1		
	13	32401000800AD	MIC , AUDYSSEY		CJXACM1HB	1		
	14	nsp	LABEL , CONTROL		CQB2A993Z	1		
	14-1	nsp	LABEL, SERIAL No.		CQB2A993Z-1	1		
	14-2	nsp	LABEL, MANUFACTURE	K	CQB2A993Z-2	1		
	14-3	nsp	LABEL, FACTORY	K	CQB2A993Z-3	1		
	15	nsp	LABEL, MAC ADDRESS		CQB1A995	1		
	16	nsp	LABEL , POP	U	CQB1A1184Z	1		
	16	nsp	LABEL , POP	N	CQB1A1188Z	1		
	16	nsp	LABEL , POP	K	CQB1A1189Z	1		
	17	nsp	LABEL , POWER	K	CQB1A1006U	1		
	18	nsp	LABEL , LICENSE	U	CQB1A1167Z	1		
	18	nsp	LABEL , LICENSE	N/K	CQB1A1169Z	1		
	19	nsp	CARD , WARRANTY CHINA	K	CQE1A449X	1		
	★	nsp	LABEL , WHITE M1 SG	SG	CQB1A908Z	2		
	★	nsp	LABEL , HD RADIO	U	CQB1A1192Z	1		
	★	nsp	LABEL , LAST FM	N	CQB1A1191Z	1		
	★	nsp	China Tuner Isolator, SGLBF-6B	K	CLR9Z001Z	1		
	★	nsp	LABEL , BAR CODE(MANUAL)		CQB1A971	1		
	★	nsp	PE SHEET		CPE1D001	2.2		