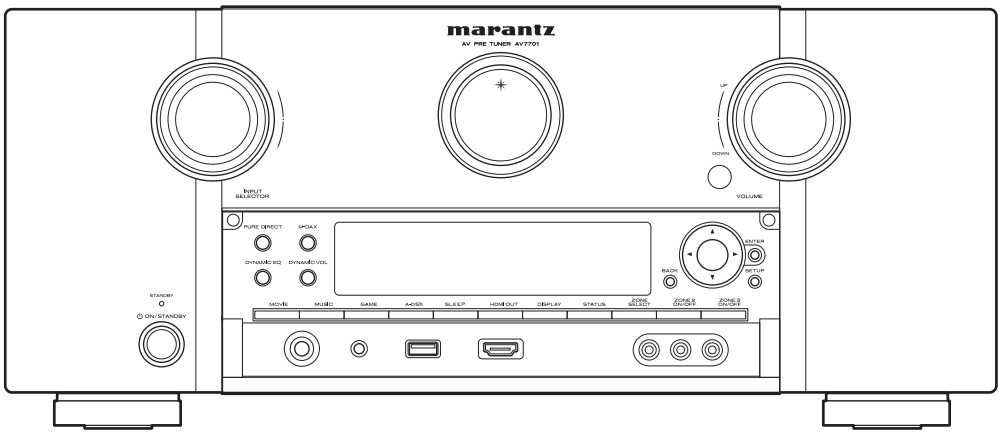
Service Manual

AV7701 /U1B,K1B
N1B

AV Pre Tuner



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

marantz®

Ver. 1

AV7701

S0520-0V01DM/DG1208

CONTENTS

ABOUT THIS MANUAL

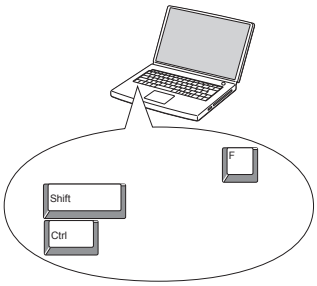
Read the following information before using the service manual.

What you can do with this manual

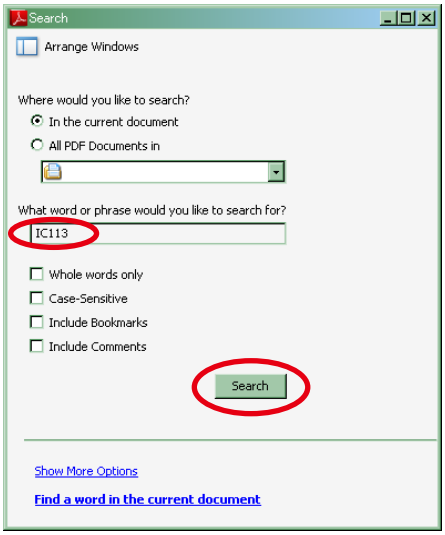
Search for a Ref. No. (phrase) (Ctrl+Shift+F)

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.



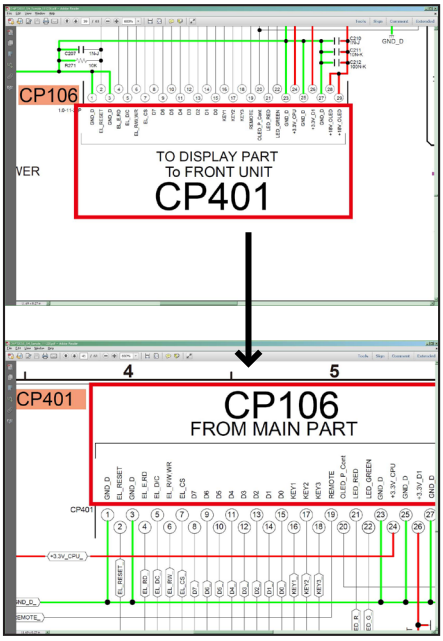
2.Enter the Ref. No. you want to search for in the Search window, and then click the **Search** button.
- A list of search results appears.



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.

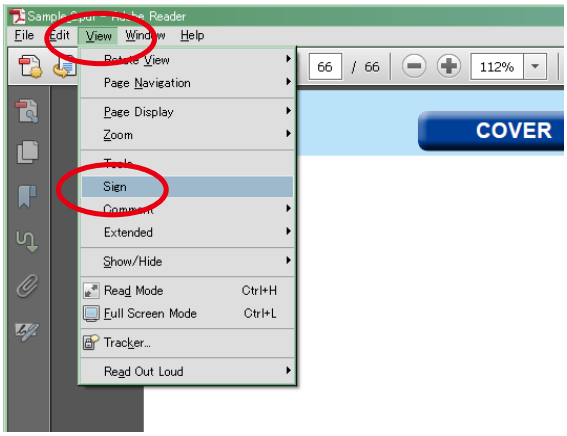
Using Adobe Reader (Windows version)

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.

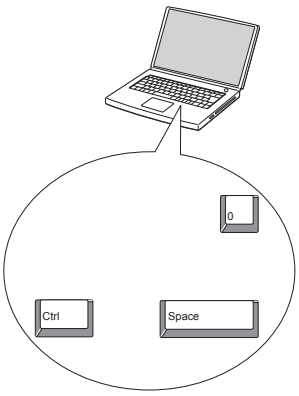


[Example using Adobe Reader 9]
On the "**Document**" menu, click "**Sign**".

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.

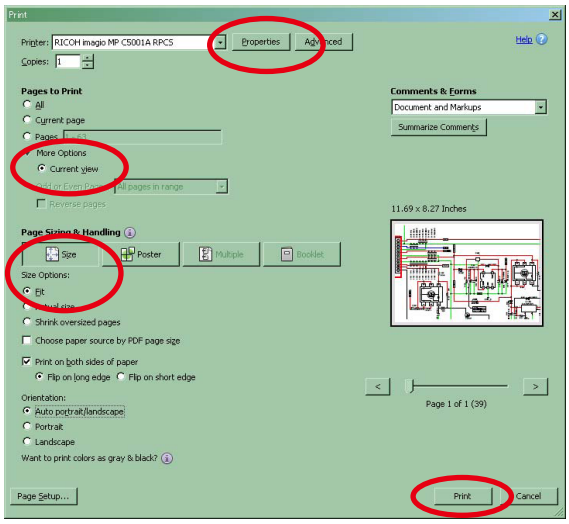


- When you want to move the area shown, hold down **Space** and drag the mouse.
- When you want to show a full page view, press **Ctrl**+**0** on the keyboard.

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.



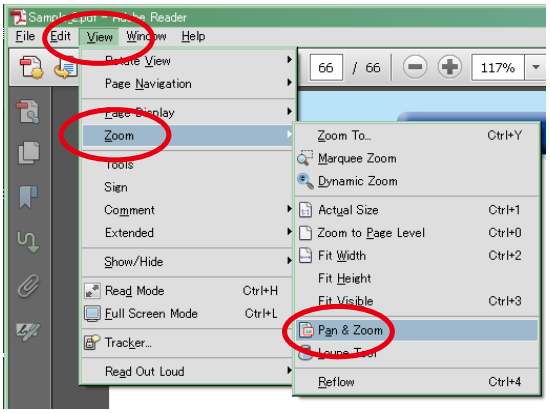
- **Properties**
  Click this button and check that the printer is set to a suitable paper size.
- **Page to print**
  Select the following checkbox.
  "**More Options**" : "**Current View**"
- **Page Sizing & Handling**
  Select the following checkbox.
  "**Size**" / "**Size Options**" : "**Fit**"

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

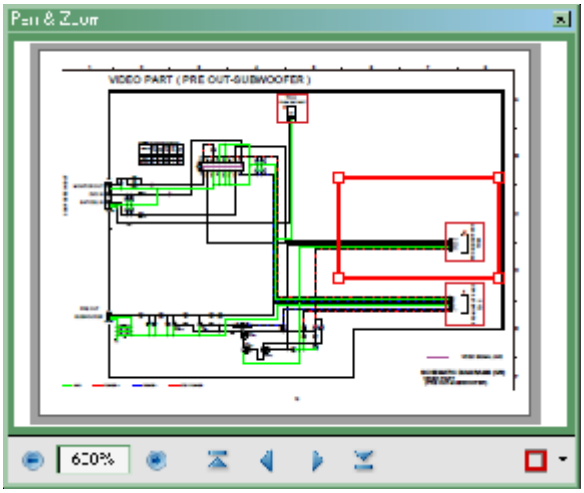
Magnify schematic / printed wiring board diagrams - 2
(Pan & Zoom function)

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.

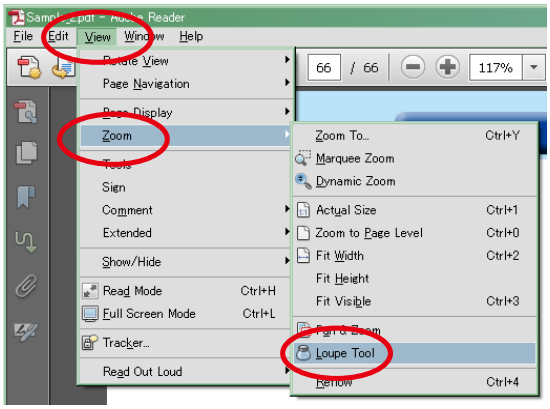


[Example using Adobe Reader 9]
On the "**Tools**" menu, point to "**Select & Zoom**", and then click "**Pan & Zoom Window**".

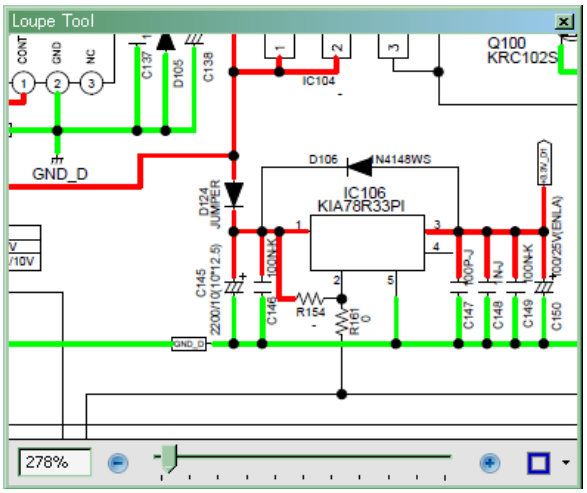
Magnify schematic / printed wiring board diagrams - 3
(Loupe Tool function)

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**".

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, **marantz** company has created the ultimate in stereo sound. Only original **marantz** parts can insure that your **marantz** product will continue to perform to the specifications for which it is famous.
Parts for your **marantz** equipment are generally available to our National Marantz Subsidiary or agent.
ORDERING PARTS :
Parts can be ordered either by mail or by Fax.. In both cases, the correct part number has to be specified.
The following information must be supplied to eliminate delays in processing your order :
1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature : any order form or Fax. must be signed, otherwise such part order will be considered as null and void.

USA
MARANTZ AMERICA, INC
100 CORPORATE DRIVE
MAHWAH, NEW JERSEY 07430
USA

EUROPE / TRADING
D&M EUROPE B. V.
P. O. BOX 8744, BUILDING SILVERPOINT
BEEMDSTRAAT 11, 5653 MA EINDHOVEN
THE NETHERLANDS
PHONE : +31 - 40 - 2507844
FAX : +31 - 40 - 2507860

CANADA
D&M Canada Inc.
5-505 APPLE CREEK BLVD.
MARKHAM, ONTARIO L3R 5B1
CANADA
PHONE : 905 - 415 - 9292
FAX : 905 - 475 - 4159

JAPAN
D&M Holdings Inc.
D&M BUILDING, 2-1 NISSHIN-CHO,
KAWASAKI-KU, KAWASAKI-SHI,
KANAGAWA, 210-8569 JAPAN

株式会社 ディーアンドエムホールディングス

本 社 〒210-8569
神奈川県川崎市川崎区日進町2-1 D&Mビル

KOREA
D&M SALES AND MARKETING KOREA LTD.
2F,YEON BLDG.,
88-5, BANPO-DONG, SEOCHO-GU,
SEOUL KOREA
PHONE : +82 - 2 - 715 - 9041
FAX : +82 - 2 - 715 - 9040

CHINA
D&M SALES AND MARKETING SHANGHAI LTD.
ROOM.808 SHANGHAI AIRPORT CITY TERMINAL
NO.1600 NANJING (WEST) ROAD, SHANGHAI,
CHINA. 200040
TEL : 021 - 6248 - 5151
FAX : 021 - 6248 - 4434

NOTE ON SAFETY :

Symbol ⚠ Fire or electrical shock hazard. Only original parts should be used to replaced any part marked with symbol ⚠.
Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

安全上の注意：

⚠ がついている部品は、安全上重要な部品です。必ず指定されている部品番号のものを使用してください。

SHOCK, FIRE HAZARD SERVICE TEST :

CAUTION : After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins (with unit NOT connected to AC mains and its Power switch ON), and the face or Front Panel of product and controls and chassis bottom.
Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.
Ref. UL Standard No. 60065.

In case of difficulties, do not hesitate to contact the Technical Department at above mentioned address.

091105DM/DG

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.

TECHNICAL SPECIFICATIONS

❑ Audio Section

- **Analog**
  - **Input sensitivity/Input impedance :** 200 mV/47 kΩ
  - **Frequency response:** 10 Hz – 100 kHz — +1, –3 dB (DIRECT mode)
  - **S/N :** 105 dB (IHF–A weighted, DIRECT mode)
  - **Distortion:** 0.005 % (20 Hz – 20 kHz) (DIRECT mode)
  - **Rated output :** Unbalanced pre-output: 1.2 V
    Balanced pre-output: 2.4 V
- **Digital**
  - **D/A output :** Rated output — 2 V (at 0 dB playback)
    Total harmonic distortion — 0.008 % (1 kHz, at 0 dB)
    S/N ratio — 102 dB
    Dynamic range — 100 dB
  - **Digital input :** Format — Digital audio interface
- **Phono equalizer (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
  - **Frequency response:** 5 Hz – 10 MHz — 0, –3 dB
- **Color component video connector**
  - **Input/output level and impedance :** Y (brightness) signal — 1 Vp-p, 75 Ω
    P_B / C_B signal — 0.7 Vp-p, 75 Ω
    P_R / C_R signal — 0.7 Vp-p, 75 Ω
  - **Frequency response:** 5 Hz – 60 MHz — 0, –3 dB

❑ Tuner section

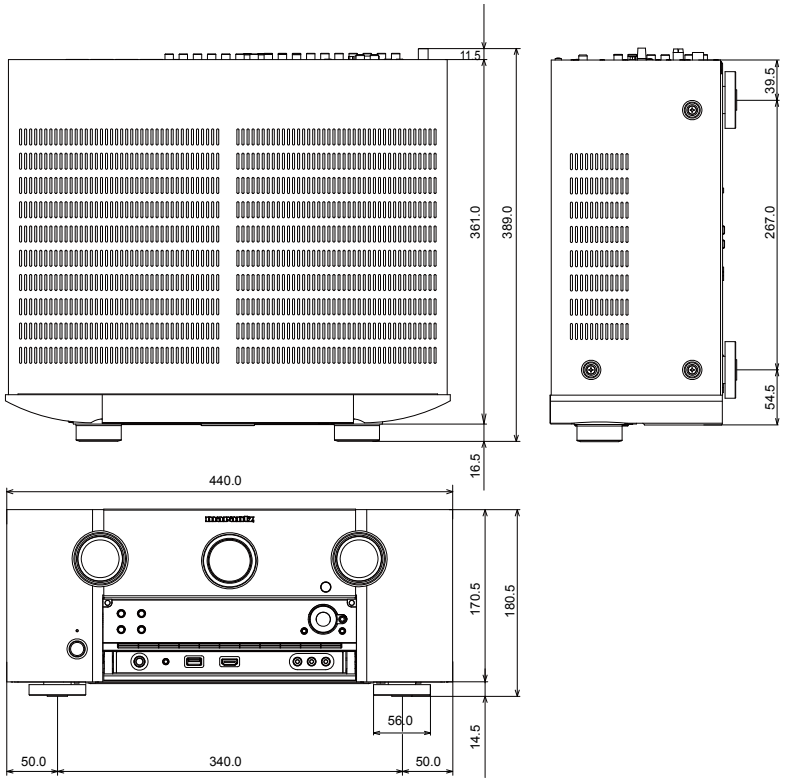
(ANTENNA input – MEDIA PLAYER OUT)
[FM](Note: µV at 75 Ω, 0 dBf = 1 x 10^{-15} W)
Receiving Range :
[FM] 87.5 MHz – 107.9 MHz **[AM]** 530 kHz – 1710 kHz
Usable Sensitivity :
[FM]1.5 µV (14.8 dBf) **[AM]** 20 µV
S/N (IHF–A weighted) :
[FM]MONO 78 dB
STEREO 68 dB
HD 85 dB **[AM]** 85 dB
Distortion (1 kHz) :
[FM]MONO 0.1 %
STEREO 0.2 %
HD 0.02 % **[AM]** 0.02 %

❑ General

Power supply : AC 120 V, 60 Hz
Power consumption : 60 W
Power consumption in standby mode : 0.2 W
Power consumption in CEC standby mode : 0.5 W
Power comsumption in network standby mode : 2.7 W

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

DIMENSION



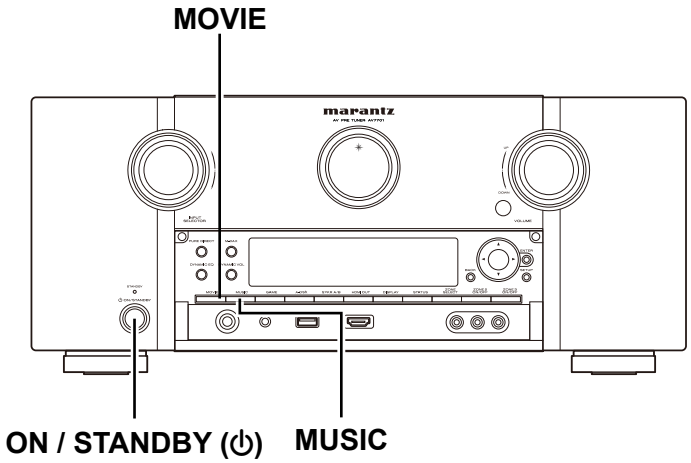
CAUTION IN SERVICING

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 "ON/STANDBY (⏻)" button.
2. Press "ON/STANDBY (⏻)" 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.

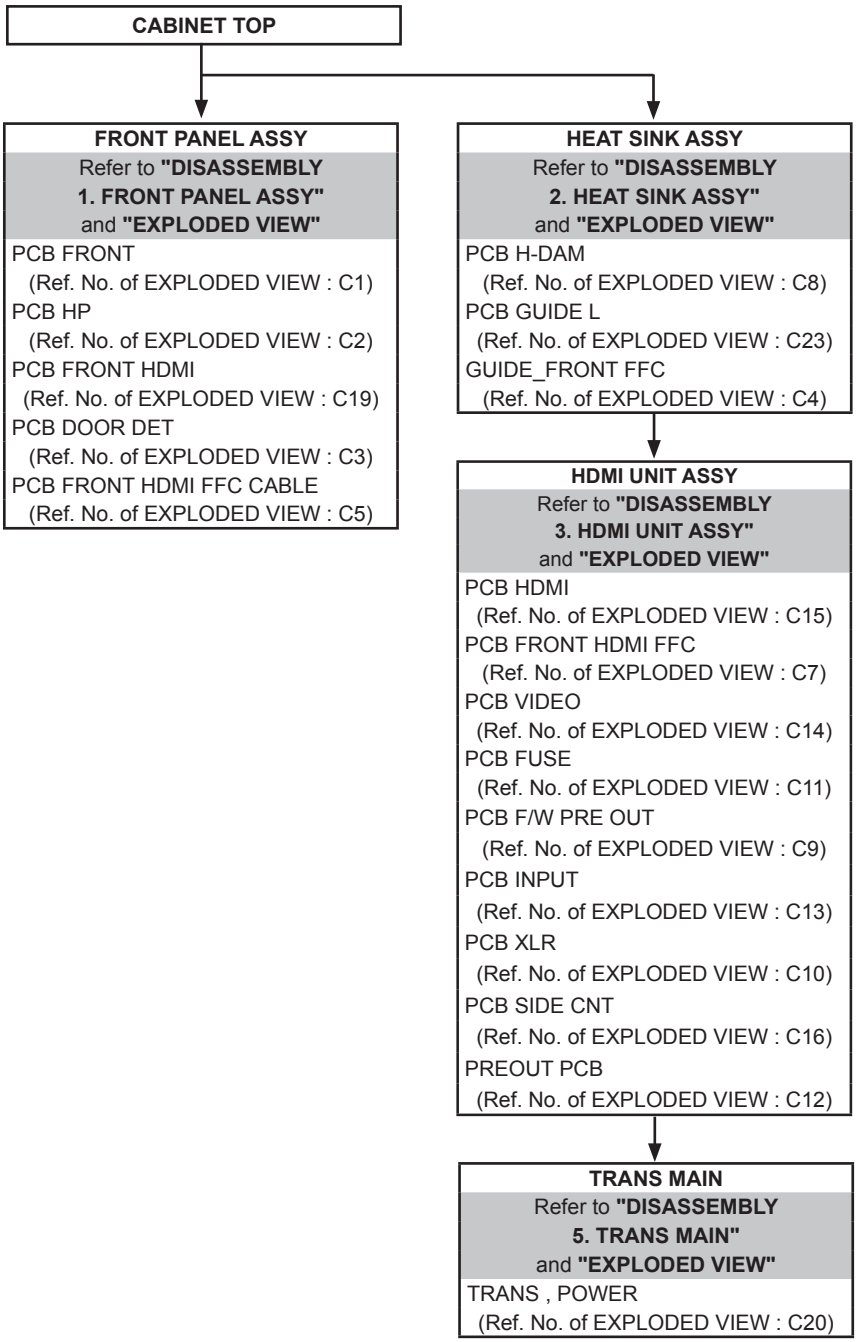
8U-110084S : EXTENSION UNIT KIT : 2 Set

When you update the firmware by DFW, you can use the following JIG (RS232C to internal connector conversion adapter with 4P FFC cable kit).
Please order to marantz Official Service Distributor in your region if necessary.

8U-210100S : WRITING KIT : 1 Set
(Refer to 65 page.)

DISASSEMBLY

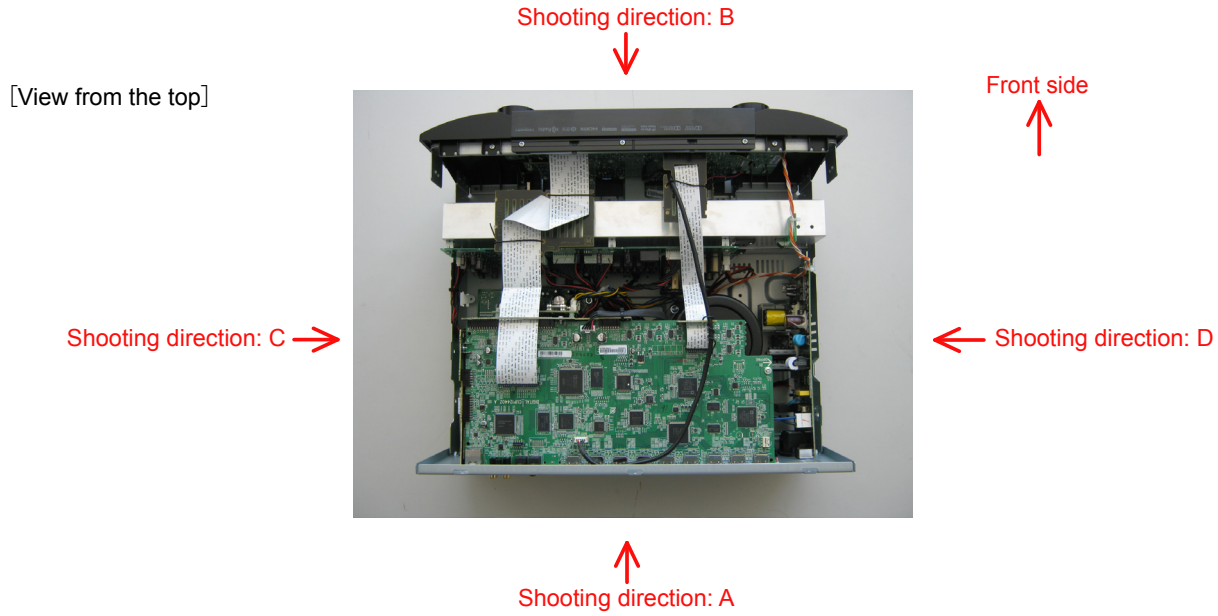
- Disassemble in order of the arrow in the following figure.
- In the case of the re-assembling, assemble it in order of the reverse of the following flow.
- In the case of the reassembling, observe "Caution concerning disassembly and assembly!".
- If wire bundles are untied or moved to perform adjustment 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 photograph is AV7701U1B model.

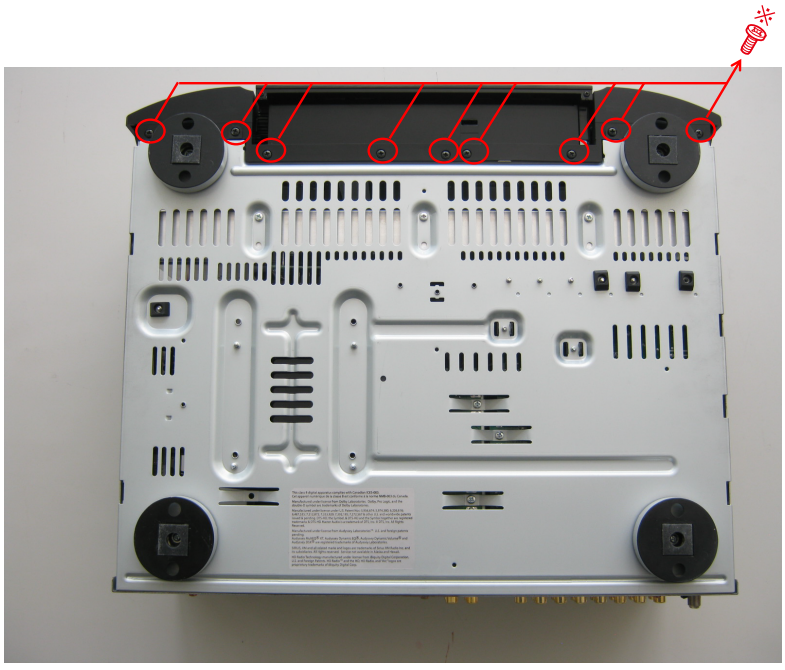
The viewpoint of each photograph (Shooting direction)



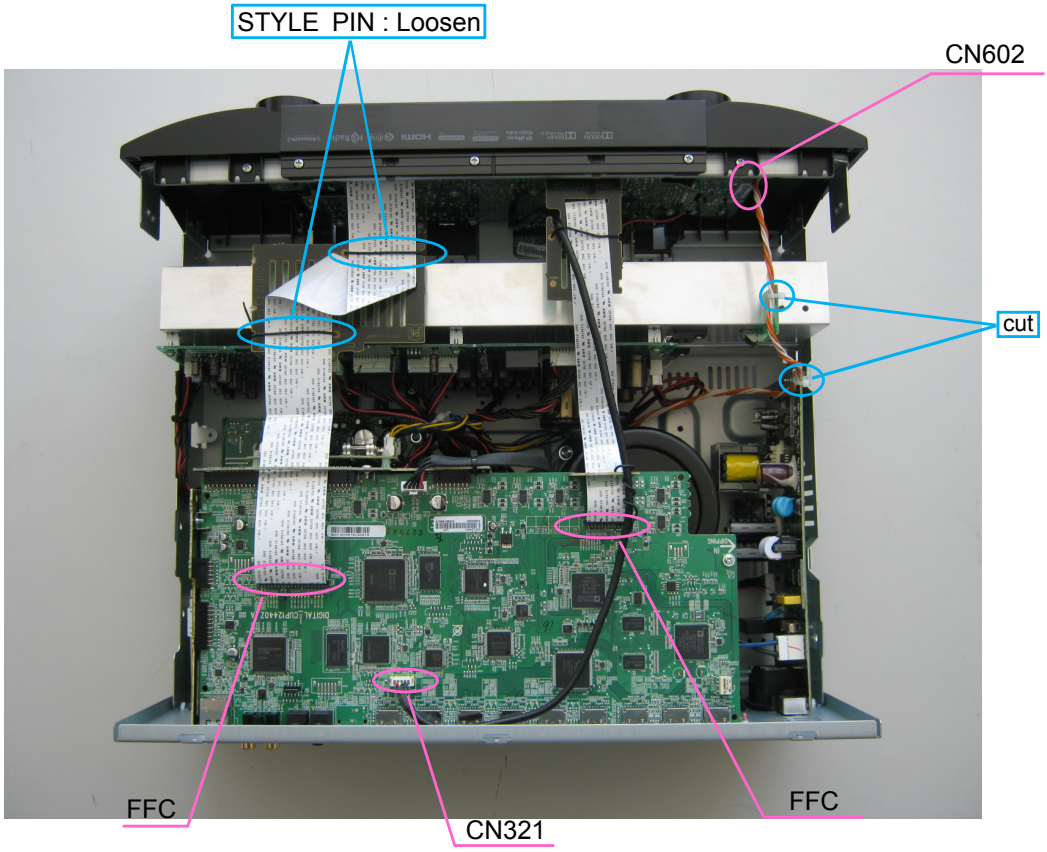
1. FRONT PANEL ASSY

Proceeding : CABINET TOP → FRONT PANEL ASSY

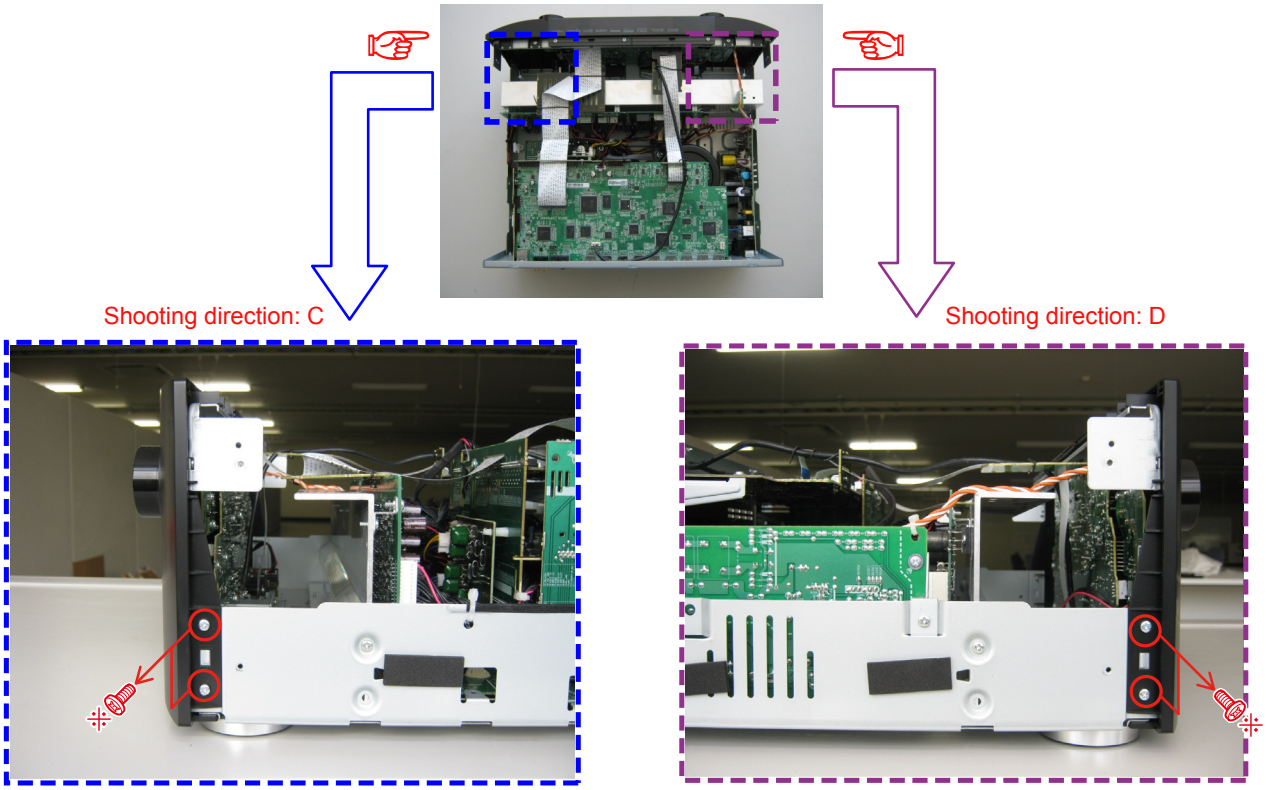
(1) Remove the screws.



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

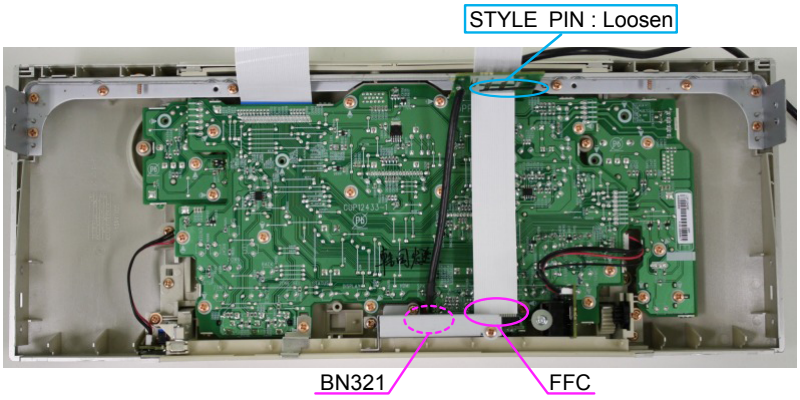


(3) Remove the screws.



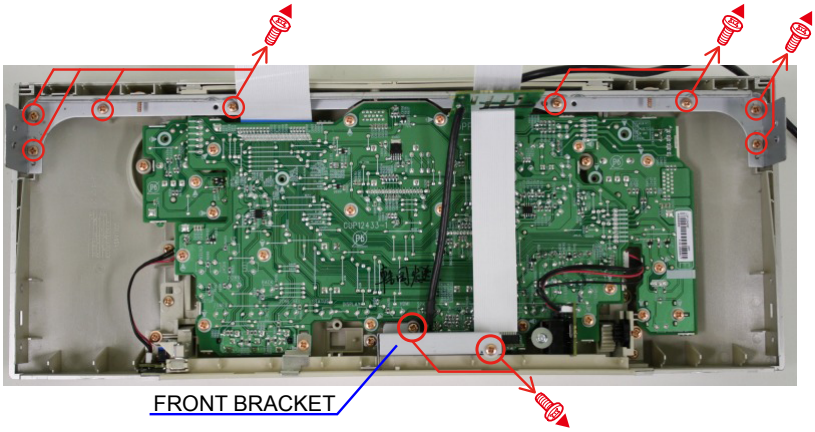
(4) Disconnect the connector wire and FFC.

Shooting of photograph: A

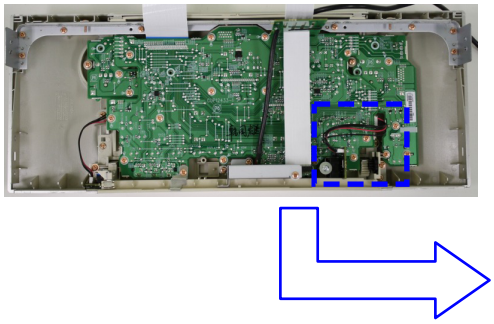


(5) Remove the screws, then detach the FRONT BRACKET.

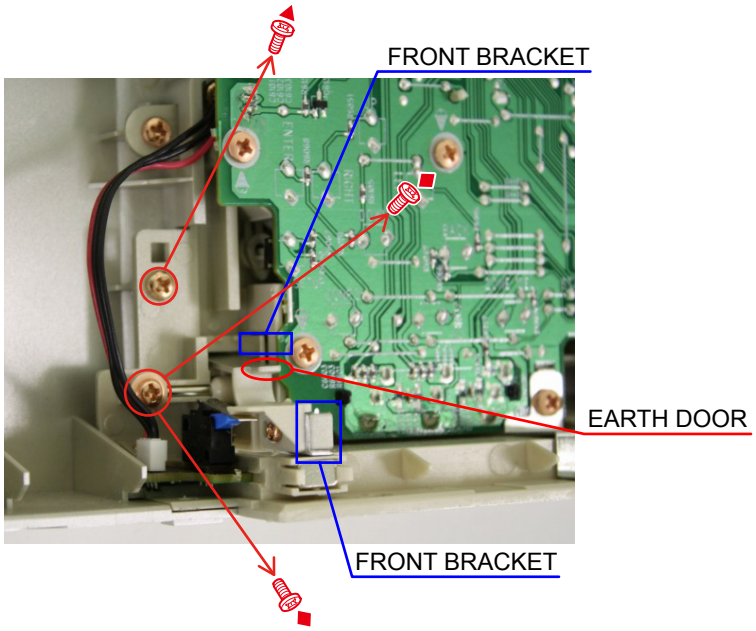
Shooting of photograph: A



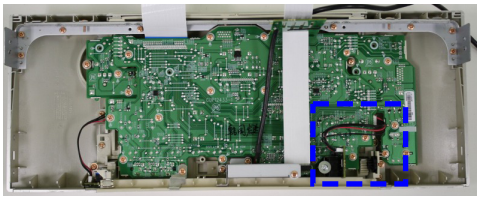
(6) Remove the screws.



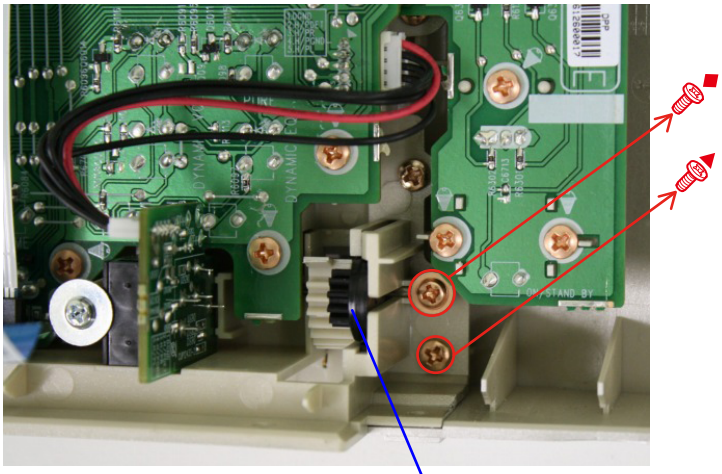
Shooting of photograph: A



(7) Remove the screws.



Shooting of photograph: A

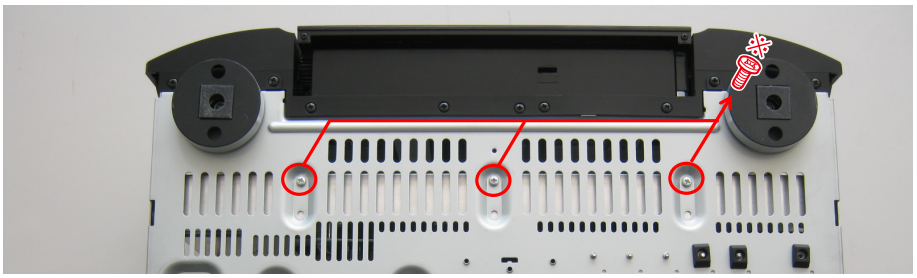


2. HEAT SINK ASSY

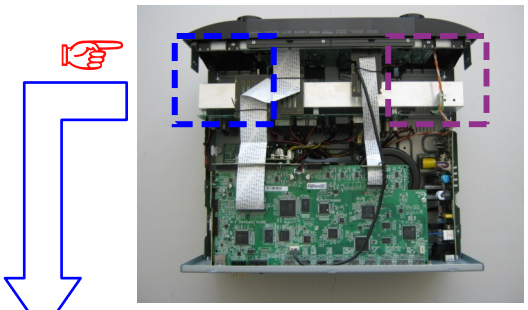
Proceeding : CABINET TOP → HEAT SINK ASSY

(1) Remove the screws.

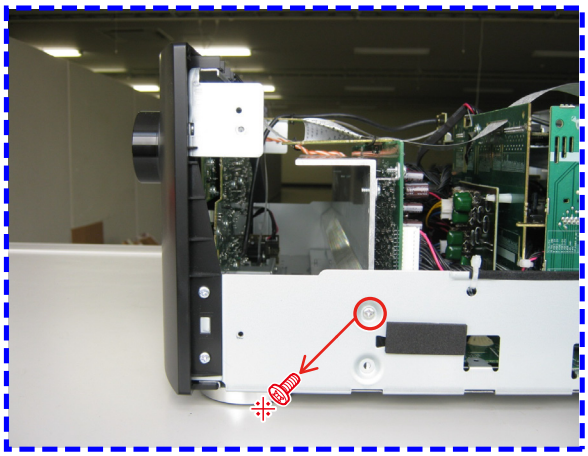
View from the bottom



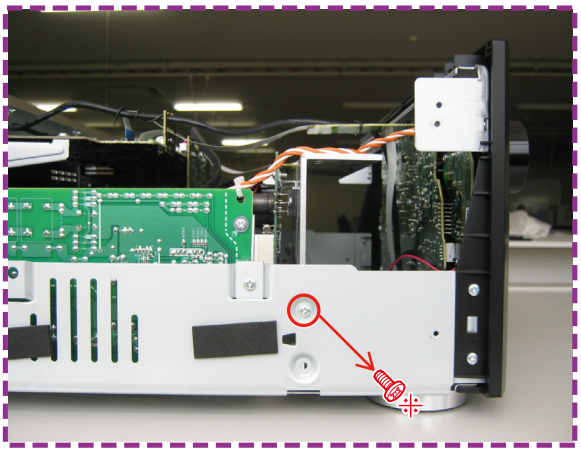
(2) Cut the wire clamp band, then remove the screws. Disconnect the connector wires.



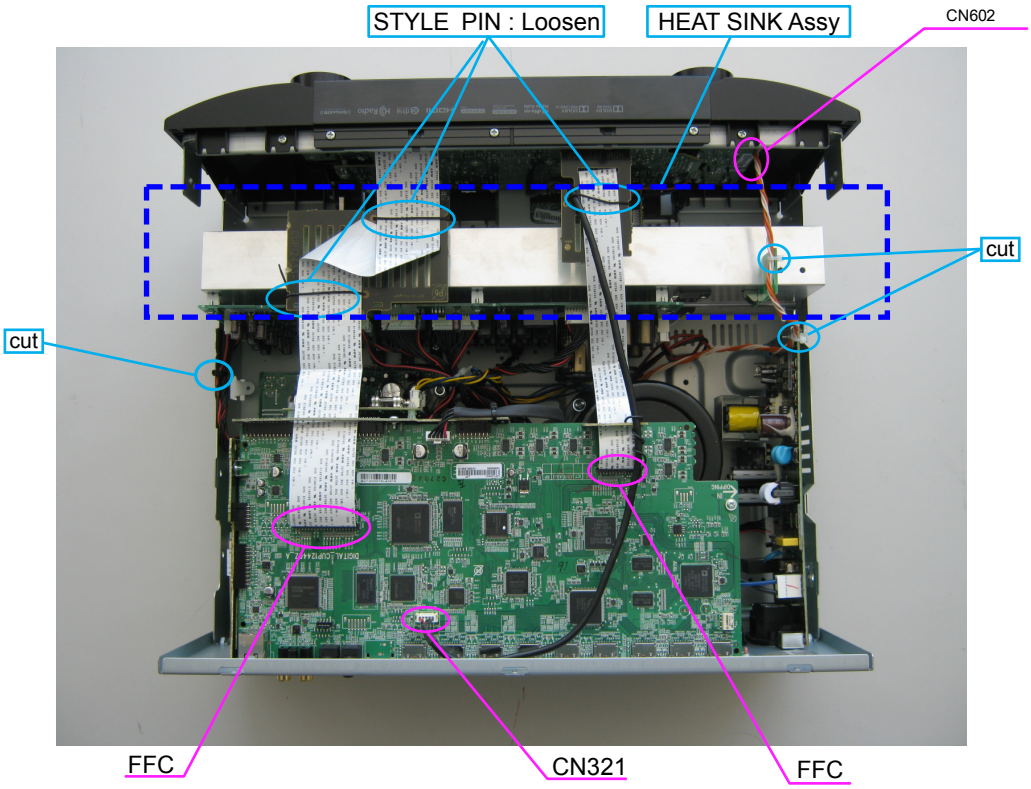
Shooting direction: C



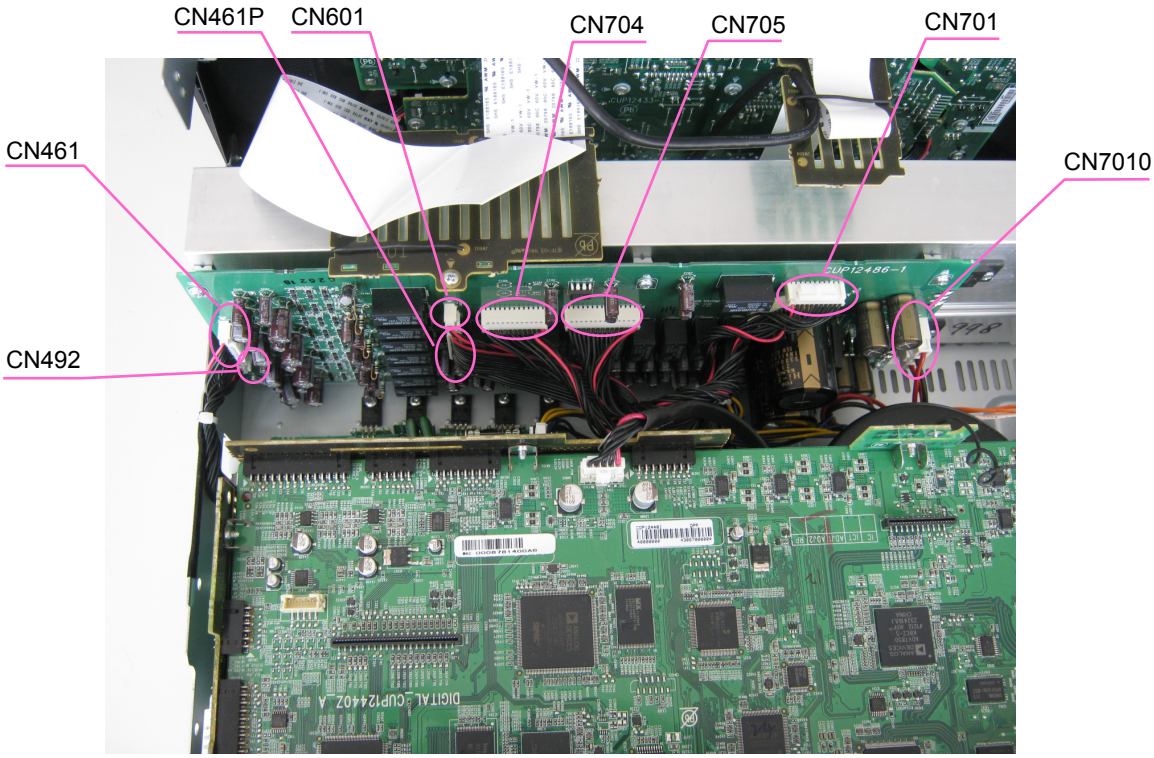
Shooting direction: D



(3) Cut the wire clamp band, then disconnect the connector wire and FFC.



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

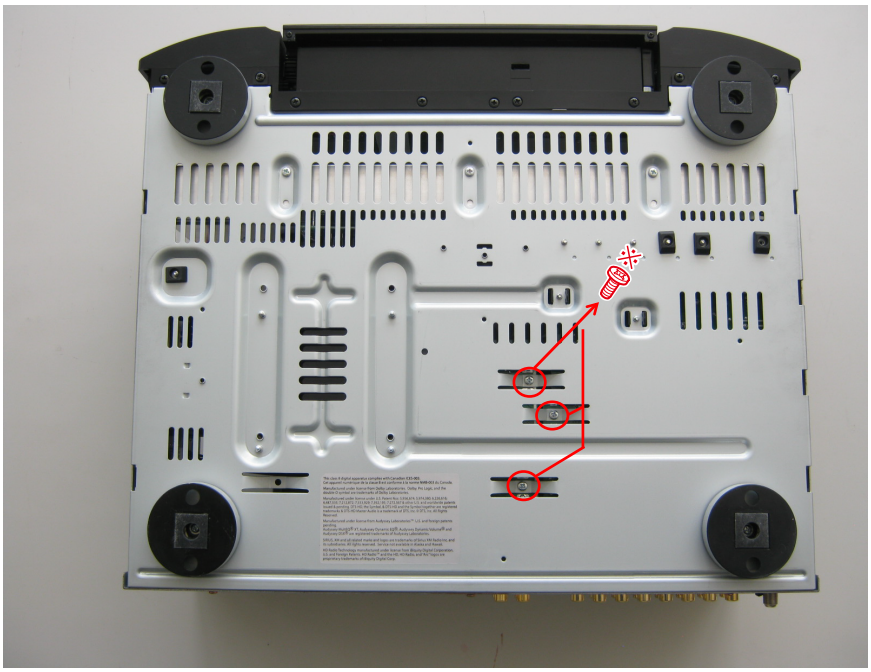


3. HDMI UNIT ASSY

Proceeding : CABINET TOP → HEAT SINK ASSY → HDMI UNIT ASSY

(1) Remove the screws.

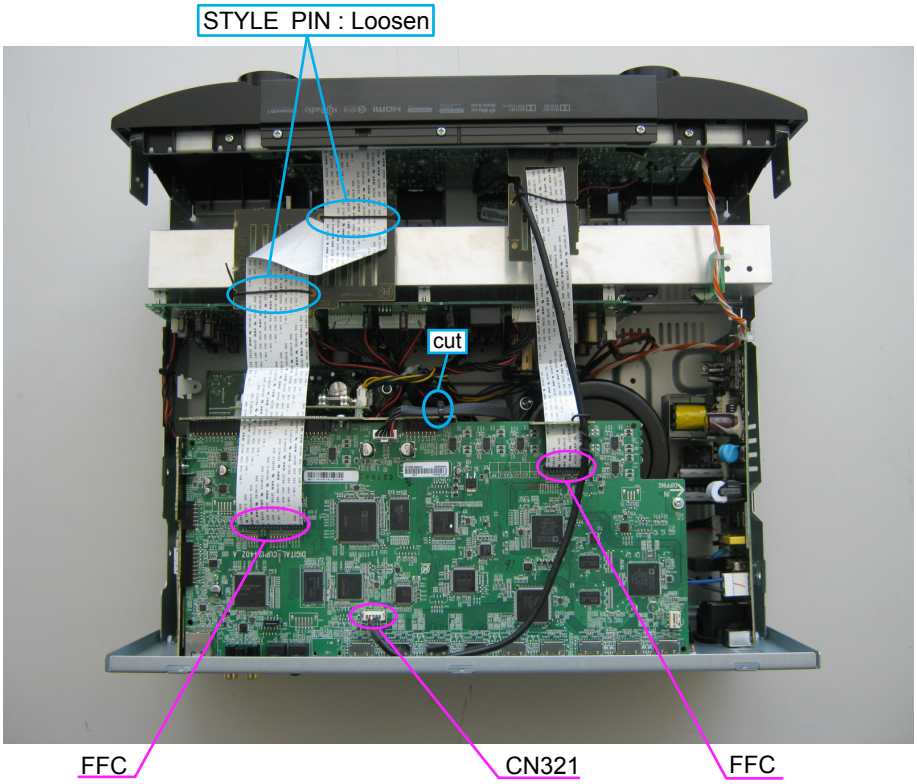
View from the bottom



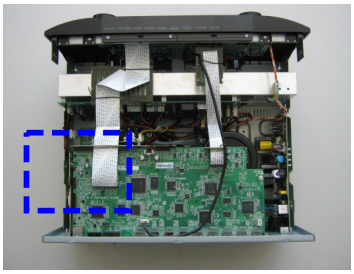
(2) Remove the screws, then remove the BACK PANEL and the HDMI BRACKET.

Shooting of photograph: A

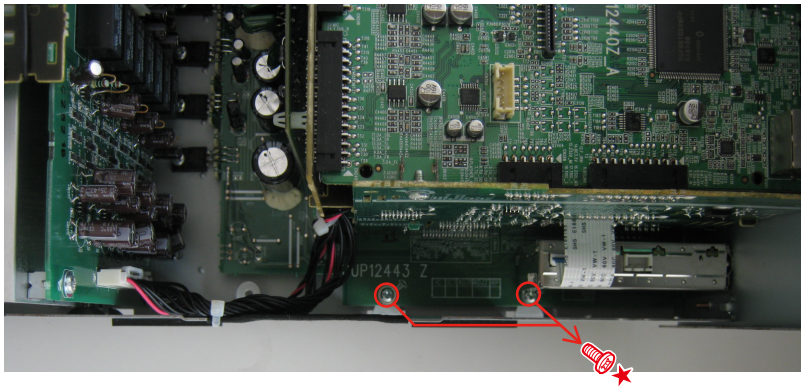
(3) Cut the wire clamp band, then disconnect the connector wires and the FFC.
Remove the PCB HDMI from the PCB FRONT CNT and PCB SIDE CNT (Board to board).



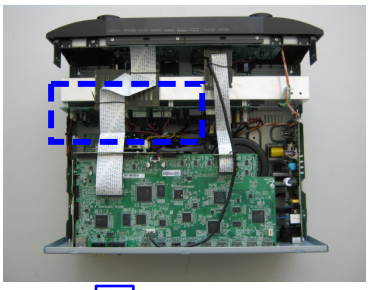
(4) Disconnect the connector wire. Remove the screws.



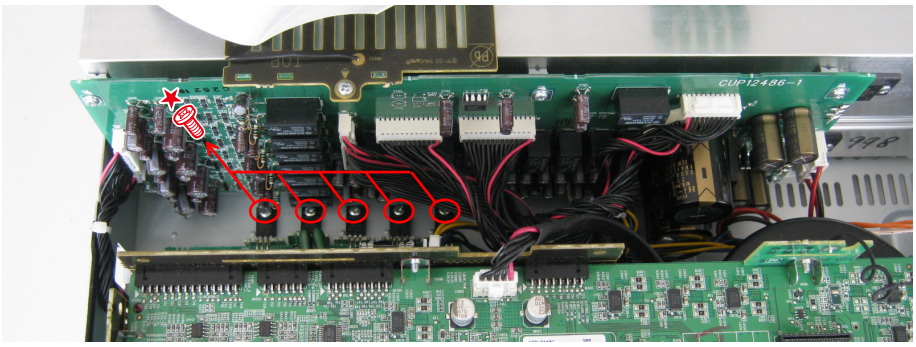
Shooting direction: C



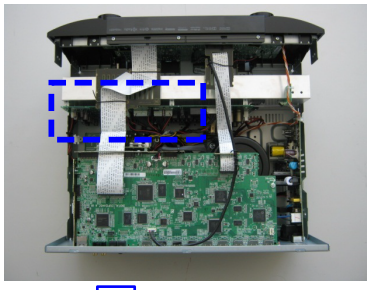
(5) Remove the screws.



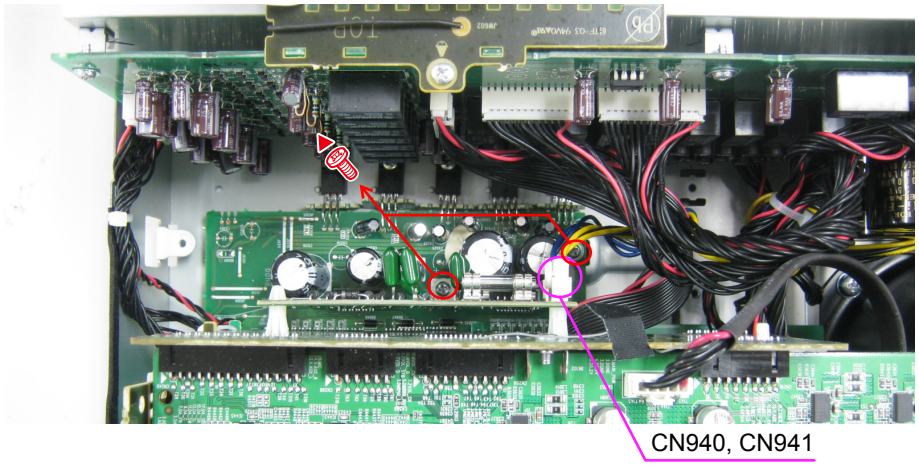
Shooting direction: A



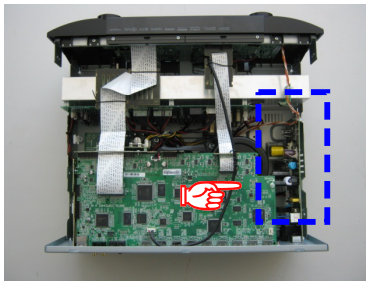
(6) Remove the screws, then disconnect the connector wires.



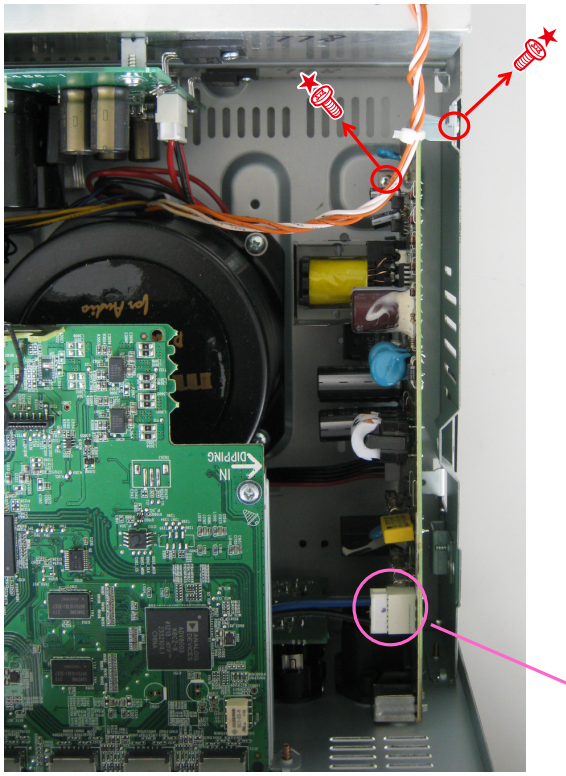
Shooting direction: A



(7) Cut the wire clamp bands, then disconnect the connector wires, and remove the screws.



Shooting direction: A



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

4. TRANS MAIN

Proceeding : CABINET TOP → HEAT SINK ASSY → HDMI UNIT ASSY → POWER TRANS

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

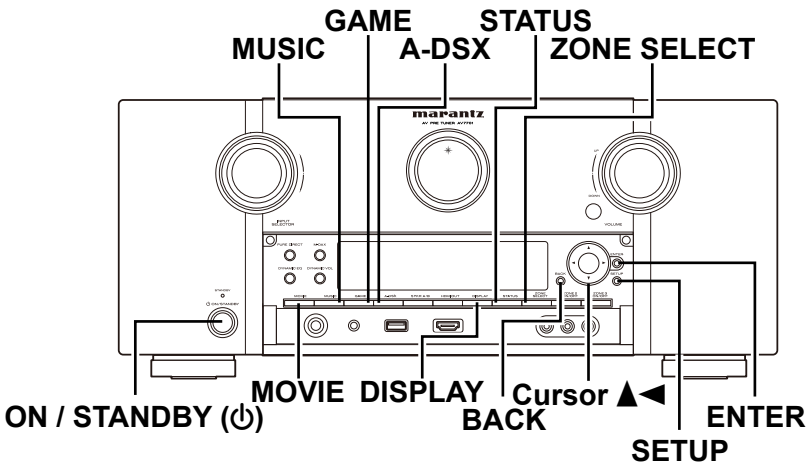
SPECIAL MODE

Special mode setting button

※ No.1 - 5, 6, 7 : Press the "ON/STANDBY (⏻)" 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 23 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 27 page)
5	Service Related Selection mode	BACK	ZONE SELECT	Selects the “Diagnostic mode” or “Displaying the protection history mode”. (Refer to 28 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. (Refer to 29 page)
9	Memory Recovery	BACK	ZONE SELECT	Recovery of DUAL BACKUP MEMORY is performed. (Refer to 29 page)
10	Memory Backup Clear	ZONE SELECT	ENTER	Backup of DUAL BACKUP MEMORY is cleared. (Refer to 29 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 "ON/STANDBY (⏻)" 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(SR7007U1B 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	A	V	7	7	0	1		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							:	*	*	.	*	*
Lower																

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	*	*	*	*	*	*	-	A	A							

⑨ Ethernet(DM860A) 2nd Boot Loader :

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

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 (AV7701U1B onlly) :

Upper	*	H	D	S	D	K	:					*	*	.	*	*
Lower	*	H	D	B	B	P	:	*	*	*	*	*	.	*	*	*

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, HDMI B'D). • Please write the firmware of correct destination.
② GUI Version NG	Error occurs in GUI version and Main μ-com version.(※2)	GUI VER. ERROR	• Please check the firmware of correct version.
③ SUB NG	No response from SUB microcomputer.	SUB ERROR 01	• Please check SUB (IC231) and arroud circuits.
④ DIR NG	No response from DIR	DIR ERROR 01	• Please check DIR (IC403, HDMI B'D) and around circuits.
⑤ DSP NG	When DSP code boot is performed, the DSP FLAG0 port does not change to "H" even if DSP reset is executed.	DSP ERROR 01	• Please check DSP (IC408, HDMI B'D) and around circuits.
	Before DSP command is issued, the DSP BUSY port does not change to "L".	DSP ERROR 02	
	When DSP data read is performed, executing WRITE="L" does not result in ACK="H".	DSP ERROR 03	
	When DSP data read is performed, executing REQ="L" does not result in ACK="L".	DSP ERROR 04	
	When DSP data writing is performed, executing WRITE="H" does not result in ACK="H".	DSP ERROR 05	
	When DSP data writing is performed, executing REQ="L" does not result in ACK="L".	DSP ERROR 06	
⑥ 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	
⑦ E2PROM NG	Error occurs in E2PROM checksum.(*** is a block address number.)	E2PROM ERR***	
⑧ 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 :***.**
	▲DSP :***.**
	▲Audio PLD:***.**
	▲GUI :********

1.4. Version display on the Setup Menu

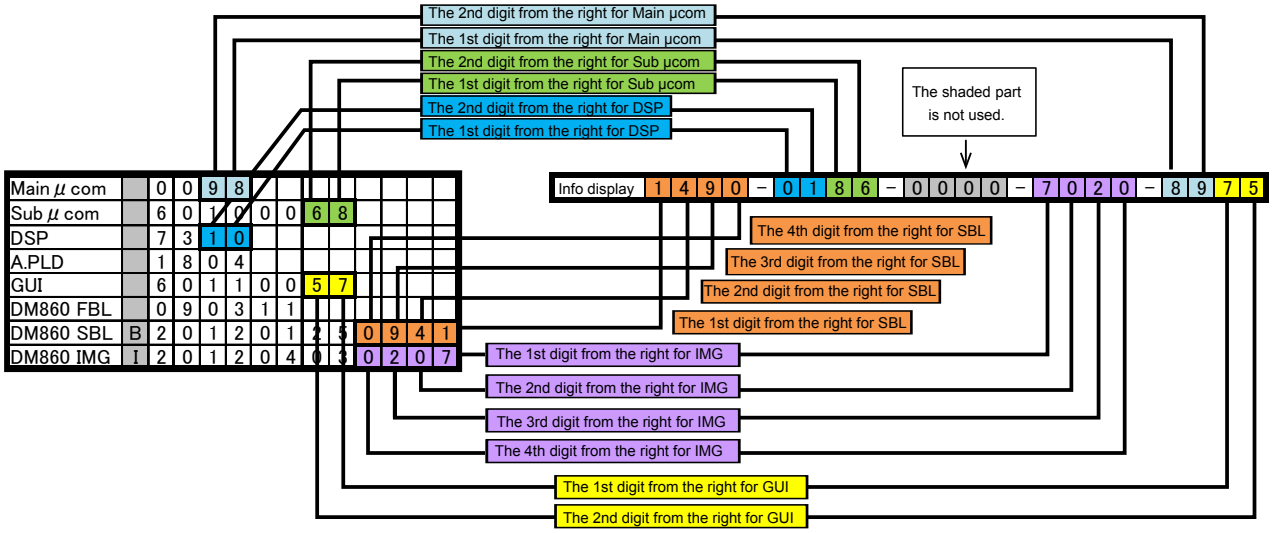
Use the following procedure to display the firmware version.

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

A version with 20 digits is displayed as shown in the following image.

GUI Image

The displayed 20 digits are derived from each device version as shown below.



※ This firmware version No. (xxxx-xxxx-xxxx-xxxx) is included in the service contact document.
These 20 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.

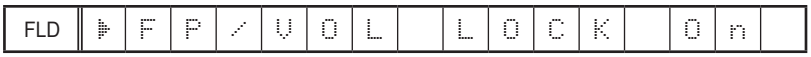
2.2. Starting up

Press the "ON/STANDBY (⏻)" 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.

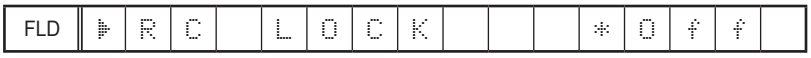
③

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 "ON/STANDBY (⏻)" 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

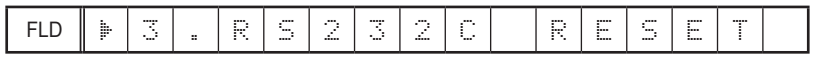
This mode is used for confirming the Video and Audio (signal) paths. (Diagnostic mode)

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.

3.3. Canceling diagnostic mode

Turn off the power by pressing the "ON/STANDBY (⏻)" button.

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 HDMI 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								

Personal notes:

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

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.

5.1. Starting diagnostic mode

Press the "ZONE SELECT" and "BACK" button while simultaneously pressing those two buttons of this unit.
TUNED, STEREO and RDS are lit in FL display.

5.2. Canceling diagnostic mode

Turn off the power by pressing the ON/Standby button.

5.3. Operation

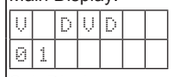
Use the remote control (RC014SR) that is supplied with the SRxx06 model. Press buttons on the remote control in the order indicated in the “Details of how to operate remote control”[a)] column in the following table to establish the confirmation path.
You will find using another remote control unit with the macro functions very useful. To use the macro functions, program a macro function to output a remote control code in accordance with the steps in the table below.

5.4. Video system confirmation items

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

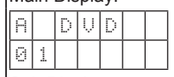
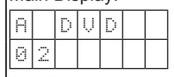
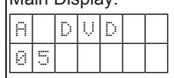
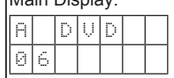
	Confirmation item	Setting and display	Details of how to operate remote controller *a)	Output sequence of remote control codes ※ It is useful to form a macro program. *b)	Contents of confirmation	Remarks
1	Analog Video (signal) Path **fig.1**	Video Convert (IP Scaler) : OFF , All Sources All ZONE : ON Main Display: V D V D 0 1 Sub Display: V 0 1	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : CVBS / Output : CVBS ·Input : CVBS / Output : CVBS RECOUT (MEDIA PLAYER) ·Input : CVBS / Output : CVBS ZONE2 ·Input : Component / Output : Component ·Input : Component / Output : Component ZONE2 ·input ETHERNET (CVBS) / Output :CVBS (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [1/AUTO]	③KEY1/AUTO (Main Zone) (Initialization & Video Convert All OFF)		
			8.Press [Z2] 9.Press [POWER ON]	④ZONE2 POWER ON		
			10.Press [Z3] 11.Press [POWER ON]	⑤ZONE3 POWER ON		
			12.Press [AMP] 13.Press [DVD] twice	⑥DVD (Main Zone)		
2	HDMI (signal) Path (Main Zone) **fig.2**	Video Convert(IP Scaler) : OFF, All Sources All ZONE:ON Main Display: V D V D 0 1 Sub Display: V 0 1	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : HDMI / Output : HDMI (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [1/AUTO]	③KEY1/AUTO (Main Zone) (Initialization & Video Convert All OFF)		
			8.Press [Z2] 9.Press [POWER ON]	④ZONE2 POWER ON		
			10.Press [Z3] 11.Press [POWER ON]	⑤ZONE3 POWER ON		
			12.Press [AMP] 13.Press [DVD] twice	⑥DVD (Main Zone)		
3	Analog or HDMI to HDMI (signal) Path **fig.3**	Video Convert(IP Scaler) : ON, All Sources IP Scaler : Analog & HDMI , All Sources Resolution : "AUTO", All Sources Main Display: V D V D 0 2 Sub Display: V 0 2	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input CVBS / Through : IP Scaler / Output : HDMI ·Input Component / Through : IP Scaler / Output : HDMI ·Input HDMI / Through : IP Scaler / Output : HDMI ·Input ETHERNET (S) / Through : IP Scaler / Output : HDMI (※ As the input source, you can switch from DVD to other ones.)	Confirm the input pass one by one. Because it becomes only the input of the highest input becomes Convert/IP Scaler (signal) Path if it inputs it at the same time. (HDMI input > Component input > CVBS input)
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [2/STEREO]	③KEY2/STEREO (Main Zone) (Initialization & Video Convert All ON & IP Scaler "Analog & HDMI")		
			8.Press [AMP] 9.Press [DVD] twice	④DVD (Main Zone)		

	Confirmation item	Setting and display	Details of how to operate remote controller *a)	Output sequence of remote control codes ※ It is useful to form a macro program. *b)	Contents of confirmation	Remarks
4	OSD FUNCTION fig.4	Video Convert(IP Scaler) : ON, All Sources IP Scaler : Analog & HDMI , All Sources Resolution : "AUTO", All Sources Menu : ON All ZONE :ON Main Display: V DVD 02 Sub Display: V02	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·OSD Display / Output : HDMI (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [2/STEREO]	③KEY2/STEREO (Main Zone) (Initialization & Video Convert All ON & IP Scaler "Analog & HDMI")		
			8.Press [Z2] 9.Press [POWER ON]	④ZONE2 POWER ON		
			10.Press [Z3] 11.Press [POWER ON]	⑤ZONE3 POWER ON		
			12.Press [AMP] 13.Press [DVD] twice	⑥DVD (Main Zone)		
			14.Press [MENU]	⑦GUI MENU (Main Zone)		
5	CEC FUNCTION (Control Monitor : HDMI Monitor1) fig.5	HDMI Control : ON Control Monitor Monitor1 (When checking the HDMI Monitor Out1) Main Display: V DVD 03 Sub Display: V03	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER 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. (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [3/M-DAX]	③KEY3/M-DAX (Main Zone) (Initialization & CEC Control ON & Select Control Monitor 1)		
			8.Press [DVD] twice	④DVD (Main Zone)		
6	CEC FUNCTION (Control Monitor : HDMI Monitor 2) fig.6	HDMI Control : ON Control Monitor Monitor 2 (When checking the HDMI Monitor Out 2) Main Display: V DVD 04 Sub Display: V04	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER 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. (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [4/DYN VOL]	③KEY4/DYN VOL (Main Zone) (Initialization & CEC Control ON & Select Control Monitor 2)		
			8.Press [DVD] twice	④DVD (Main Zone)		
7	HDMI Audio (signal) Path (Audio : AMP) fig.7	Audio : AMP(When checking the audio output from AMP) Main Display: V DVD 05 Sub Display: V05	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : HDMI (Signal of PCM, DolbyDigital or DTS) / Output : Speakers ·Input : HDMI (Signal of HD Audio) / Output : Speakers (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [5/HT-EQ]	③KEY5/HT-EQ VOL (Main Zone) (Initialization & Select Audio AMP)		
			8.Press [DVD] twice	④DVD (Main Zone)		
8	HDMI Audio (signal) Path (Audio : TV) fig.8	Audio : TV(When checking the audio output from TV) Main Display: V DVD 06 Sub Display: V06	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : HDMI (Signal of PCM or DolbyDigital or DTS) / Output : HDMI (Audio output from connected TV) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [6/V.SEL]	③KEY6/V.SEL(Main Zone) (Initialization & Select Audio TV)		
			8.Press [DVD] twice	④DVD (Main Zone)		

	Confirmation item	Setting and display	Details of how to operate remote controller *a)	Output sequence of remote control codes ※ It is useful to form a macro program. *b)	Contents of confirmation	Remarks
9	HDMI (signal) Path (ZONE2) **fig.9**	Video Convert(IP Scaler) : OFF, All Sources All ZONE:ON Main Display:  Sub Display: 	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : HDMI (ZONE2 Function) / Output : HDMI (ZONE2) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [1/AUTO]	③KEY1/AUTO (Main Zone) (Initialization & Video Convert All OFF)		
			8.Press [AMP] 9.Press [POWER ON]	④ZONE2 POWER ON		
			10.Press [DVD] twice	⑤DVD (Main Zone)		
			11.Press [AMP] 12.Press [Z2]	⑥Select remote control "ZONE2"		
			13.Press [DVD] twice	⑦DVD (Zone2)		

5.5. Audio system confirmation items

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

	Confirmation item	Setting and display	Details of how to operate remote controller	Output sequence of remote control codes ※ It is useful to form a macro program.	Contents of confirmation	Remarks
1	Analog (signal) Path **fig.10**	Input Mode : Fixed ANALOG SURROUND mode : DIRECT Amp assign : NORMAL Main Display:  Sub Display: 	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : Analog / Output : Pre OUT(Front L/R) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [7/T.TONE]	③KEY7/T.TONE (Main Zone) (Initialization & Amp assign NORMAL& Input Mode Fixed ANALOG & SURROUND mode DIRECT)		
			8.Press [DVD] twice	④DVD (Main Zone)		
2	DIGITAL (signal) Path (MAIN) **fig.11**	Input Mode : Fixed DIGITAL Amp assign : NORMAL Main Display:  Sub Display: 	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : Digital / Output : Pre OUT(Front L/R) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [8/CH LVL]	③KEY8/CH LVL (Main Zone) (Initialization & Amp assign NORMAL& Input Mode Fixed DIGITAL)		
			8.Press [DVD] twice	④DVD (Main Zone)		
3	HDMI (signal) Path **fig.12**	Input Mode : Fixed HDMI Amp assign : NORMAL Main Display:  Sub Display: 	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : HDMI / Output : Pre OUT(Front L/R) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [SURROUND]	③SURROUND (Initialization & Amp assign NORMAL & Input Mode Fixed HDMI)		
			8.Press [DVD] twice	④DVD (Main Zone)		
4	A/D (signal) Path (Main Zone) **fig.13**	Amp assign : NORMAL SURROUND mode : Multi ch STEREO Vol -20dB Speaker Config : SSSSY (Front/Center/Surround/SourroundBack : Small, SW : Yes) Main Display:  Sub Display: 	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : Analog / Output : Pre OUT(Front L/R), SW(20Hz) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [PURE DIRECT]	③PURE DIRECT (Initialization & Amp assign NORMAL & SURROUND mode : Multi ch STEREO & ZONE2 Volume -20dB)		
			8.Press [DVD] twice	④DVD (Main Zone)		

	Confirmation item	Setting and display	Details of how to operate remote controller	Output sequence of remote control codes ※ It is useful to form a macro program.	Contents of confirmation	Remarks
5	Amp Assign (signal) Path (Amp Assign : ZONE2) **fig.14**	Amp assign : ZONE2 ZONE2 Function : Source Zone2 Vol -20dB Main Display: A DVD 07 Sub Display: A07	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : Analog / Output : Pre OUT (ZONE2 L/R) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [P2]	③P2 (Initialization & Amp assign ZONE2 & SURROUND mode : Multi ch STEREO & ZONE2 Volume -20dB)		
			8.Press [Z2] 9.Press [POWER ON]	④ZONE2 POWER ON		
			10.Press [AMP] 11.Press [DVD] twice	⑤DVD (Main Zone)		
6	Amp Assign (signal) Path (Amp Assign : ZONE3) **fig.15**	Amp assign : ZONE3 SURROUND mode : Multi ch STEREO Zone3 Vol -20dB Main Display: A DVD 08 Sub Display: A08	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : Analog / Output : Pre OUT (ZONE3 L/R) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [P3]	③P3 (Initialization & Amp assign ZONE3 & SURROUND mode : Multi ch STEREO & ZONE3 Volume -20dB)		
			8.Press [Z3] 9.Press [POWER ON]	④ZONE3 POWER ON		
			10.Press [AMP] 11.Press [DVD] twice	⑤DVD (Main Zone)		
8	Front Height (signal) Path **fig.19**	Amp assign : Front Height SURROUND mode : Multi ch STEREO Vol -20dB Surround Parameter-Speaker : F.Height Main Display: A DVD 014 Sub Display: A014	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : Analog / Output : (F.HEIGHT L/R) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [+10/SLEEP]	③+10/SLEEP (Main Zone) (Initialization & Amp assign NORMAL & SURROUND mode : Multi ch STEREO & Volume -20dB & Surround Parameter Speaker F.HEIGHT)		
			8.Press [DVD] twice	④DVD (Main Zone)		
10	Front Wide (signal) Path **fig.20**	Amp assign : NORMAL SURROUND mode : Multi ch STEREO Vol -20dB Surround Parameter-Speaker : F.Wide Main Display: A DVD 015 Sub Display: A015	1.Press [AMP] 2.Press [Z2] 3.Press [STANDBY]	①ZONE2 POWER OFF	·Input : Analog / Output : (F.WIDE L/R) (※ As the input source, you can switch from DVD to other ones.)	
			4.Press [Z3] 5.Press [STANDBY]	②ZONE3 POWER OFF		
			6.Press [AMP] 7.Press [SEARCH/INFO]	③SEARCH/INFO (Initialization & Amp assign NORMAL & SURROUND mode : Multi ch STEREO & Volume -20dB & Surround Parameter Speaker F.WIDE)		
			8.Press [DVD] twice	④DVD (Main Zone)		

Personal notes:

Personal notes:

BLOCK DIAGRAM

fig.1

ANALOG VIDEO BLOCK

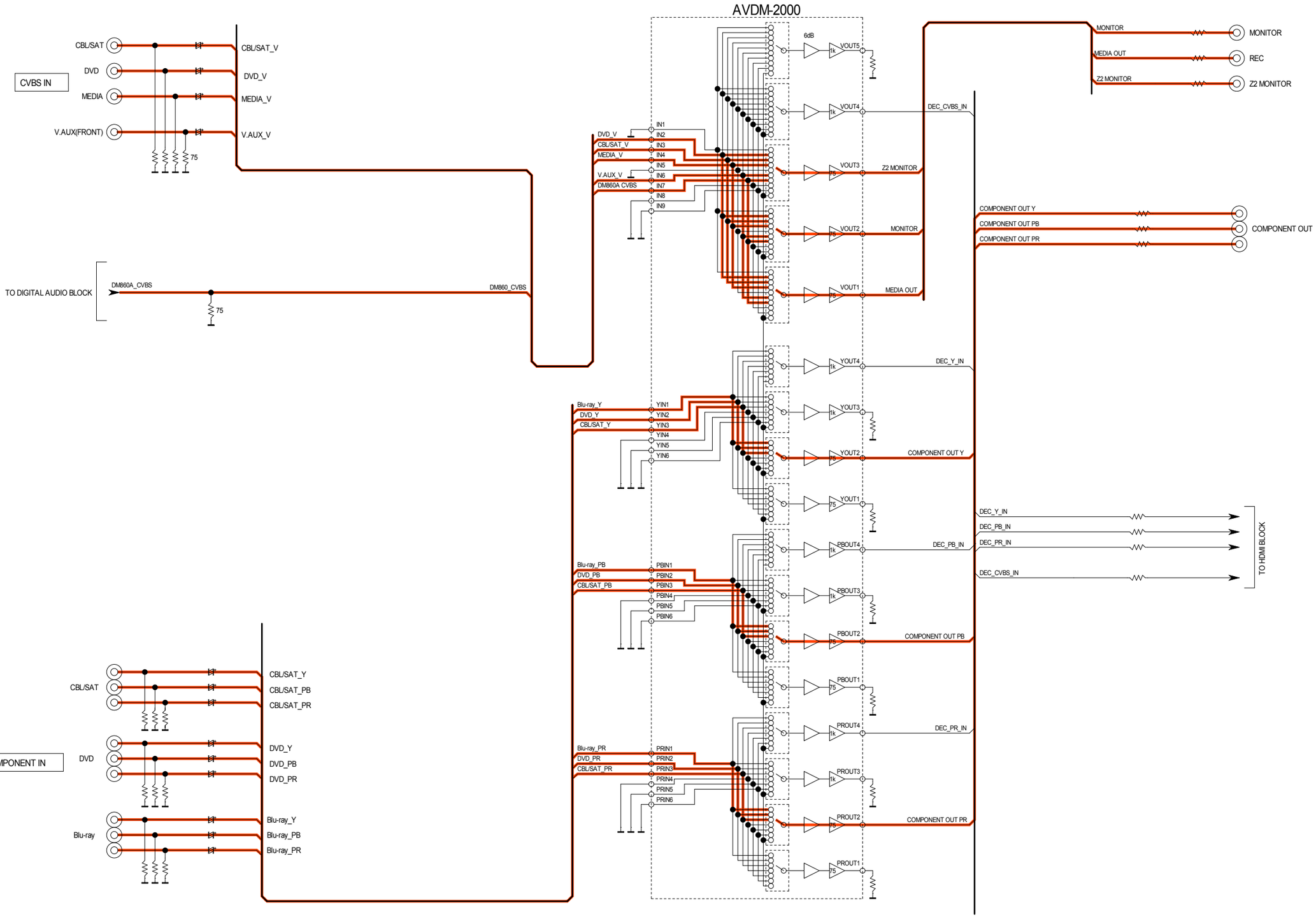


fig.2

HDMI VIDEO BLOCK

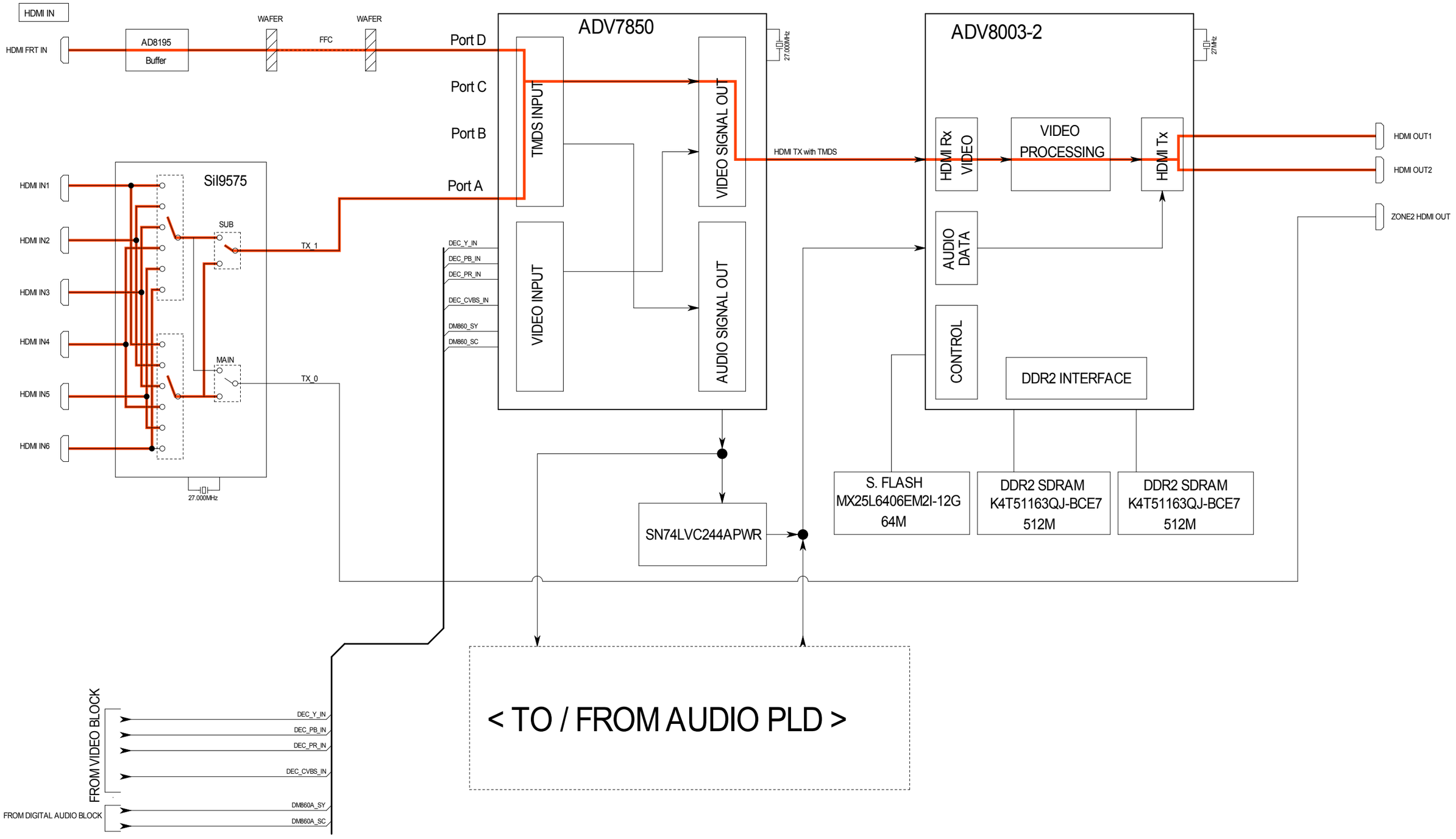


fig.3a

ANALOG VIDEO BLOCK

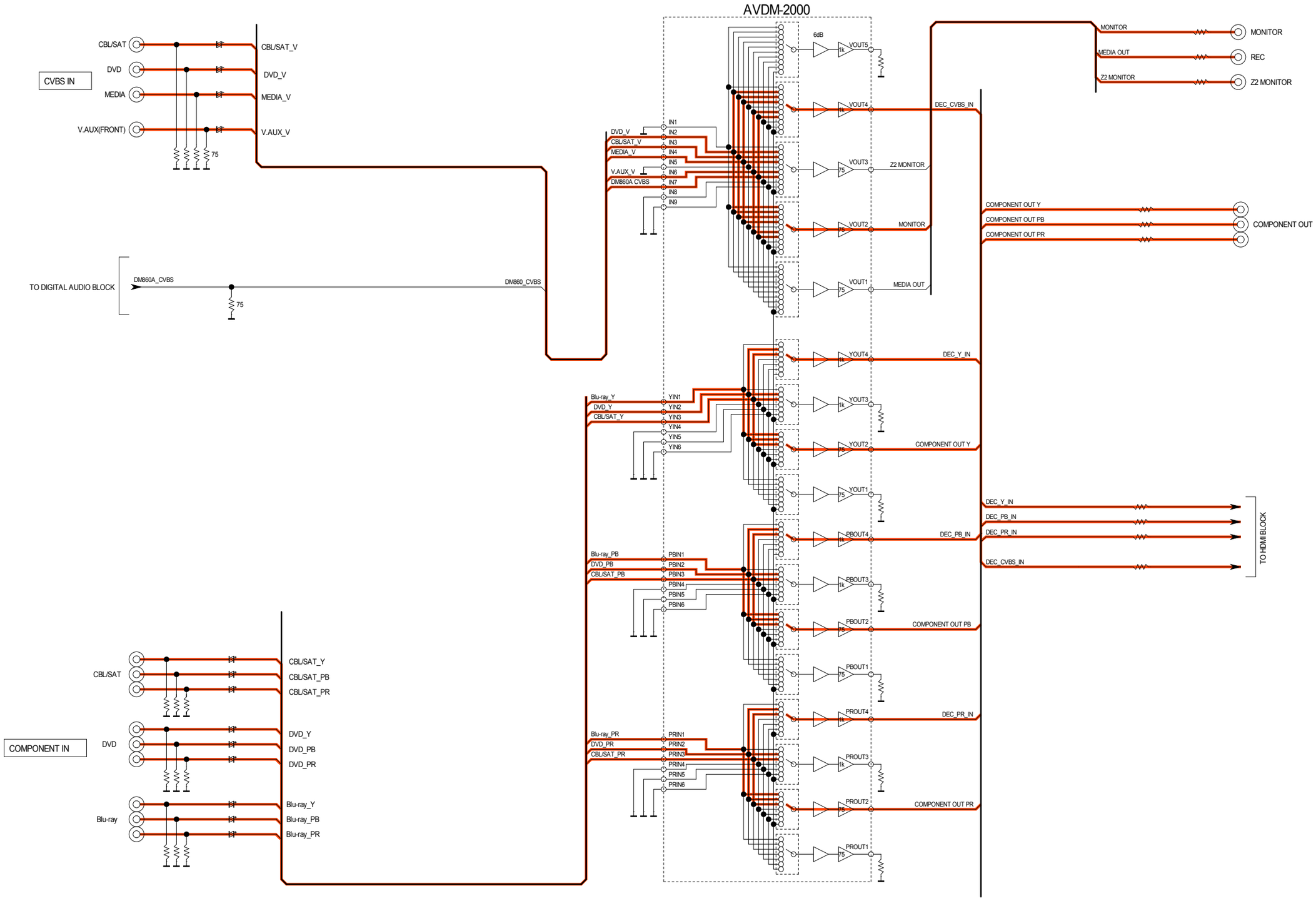


fig.3b

HDMI VIDEO BLOCK

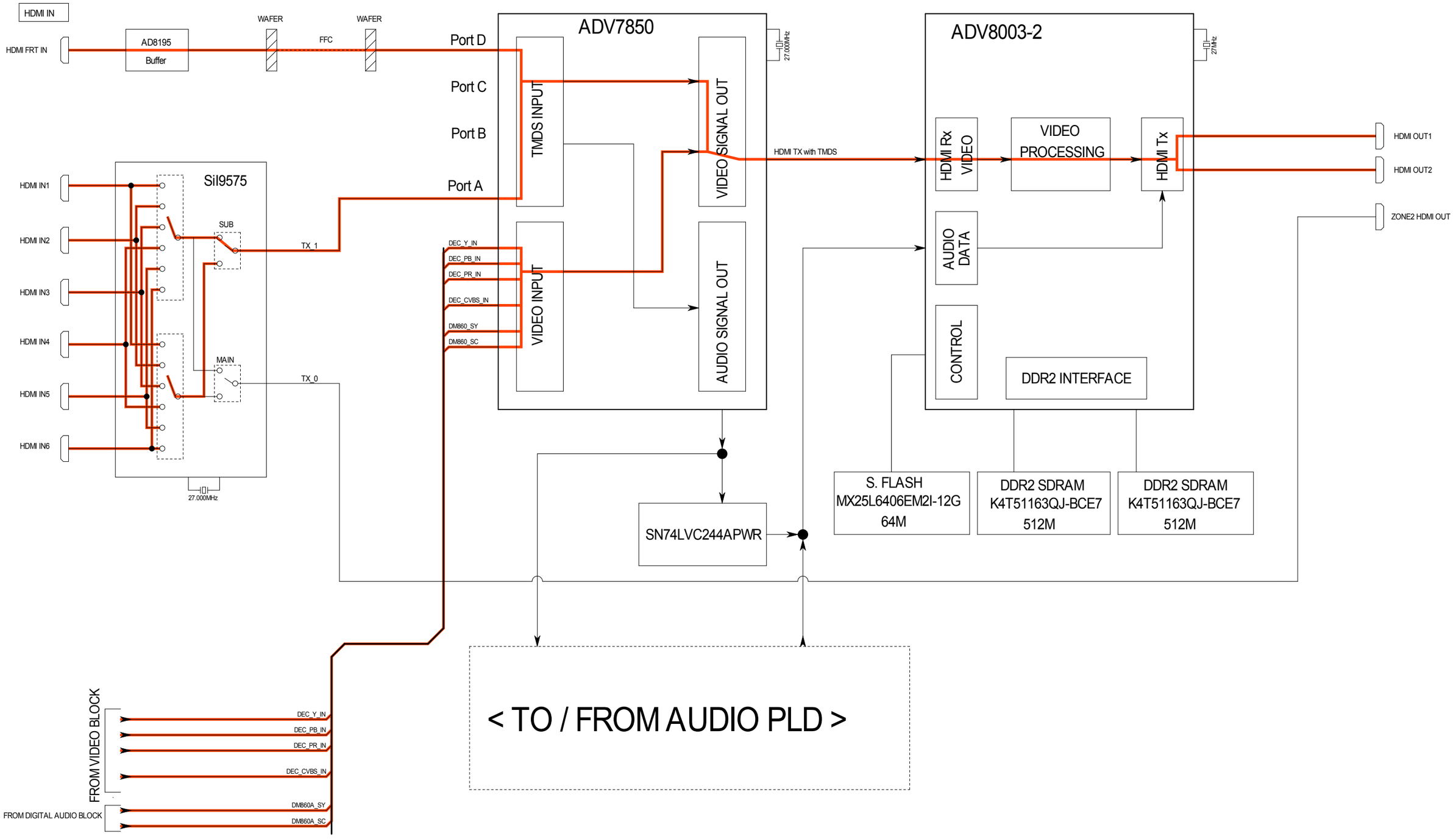


fig.4

HDMI VIDEO BLOCK

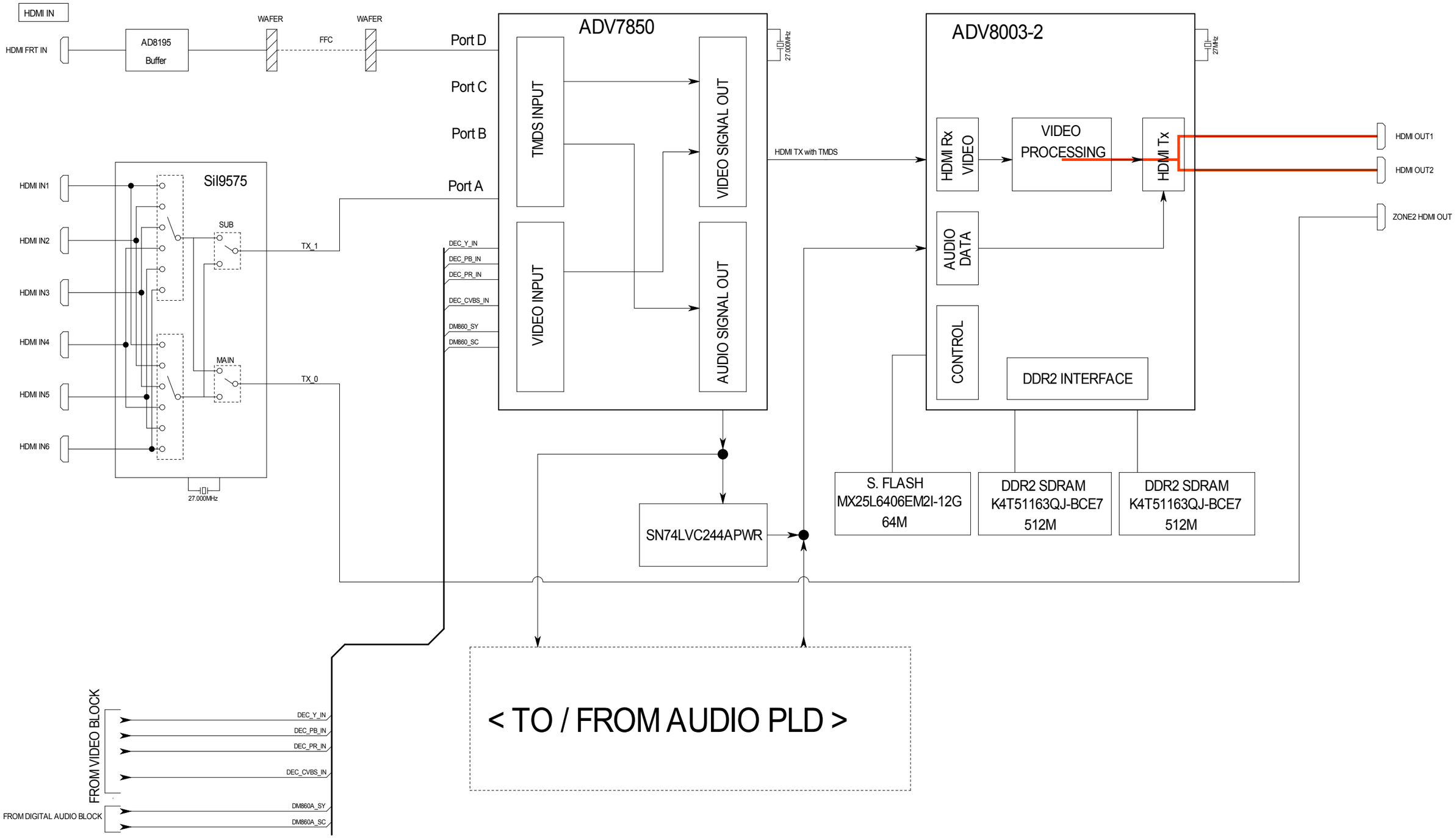


fig.5

HDMI VIDEO BLOCK

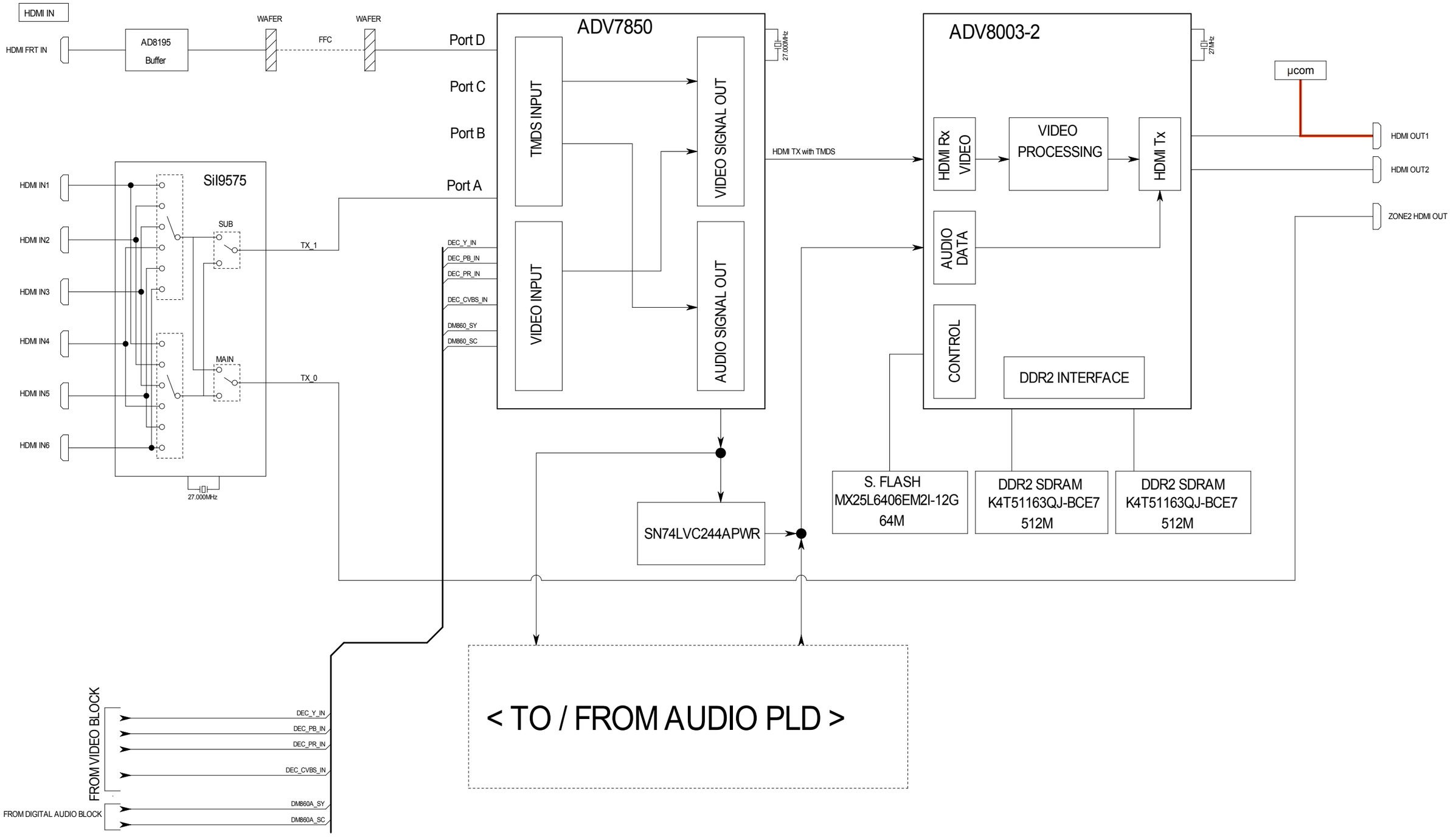


fig.6

HDMI VIDEO BLOCK

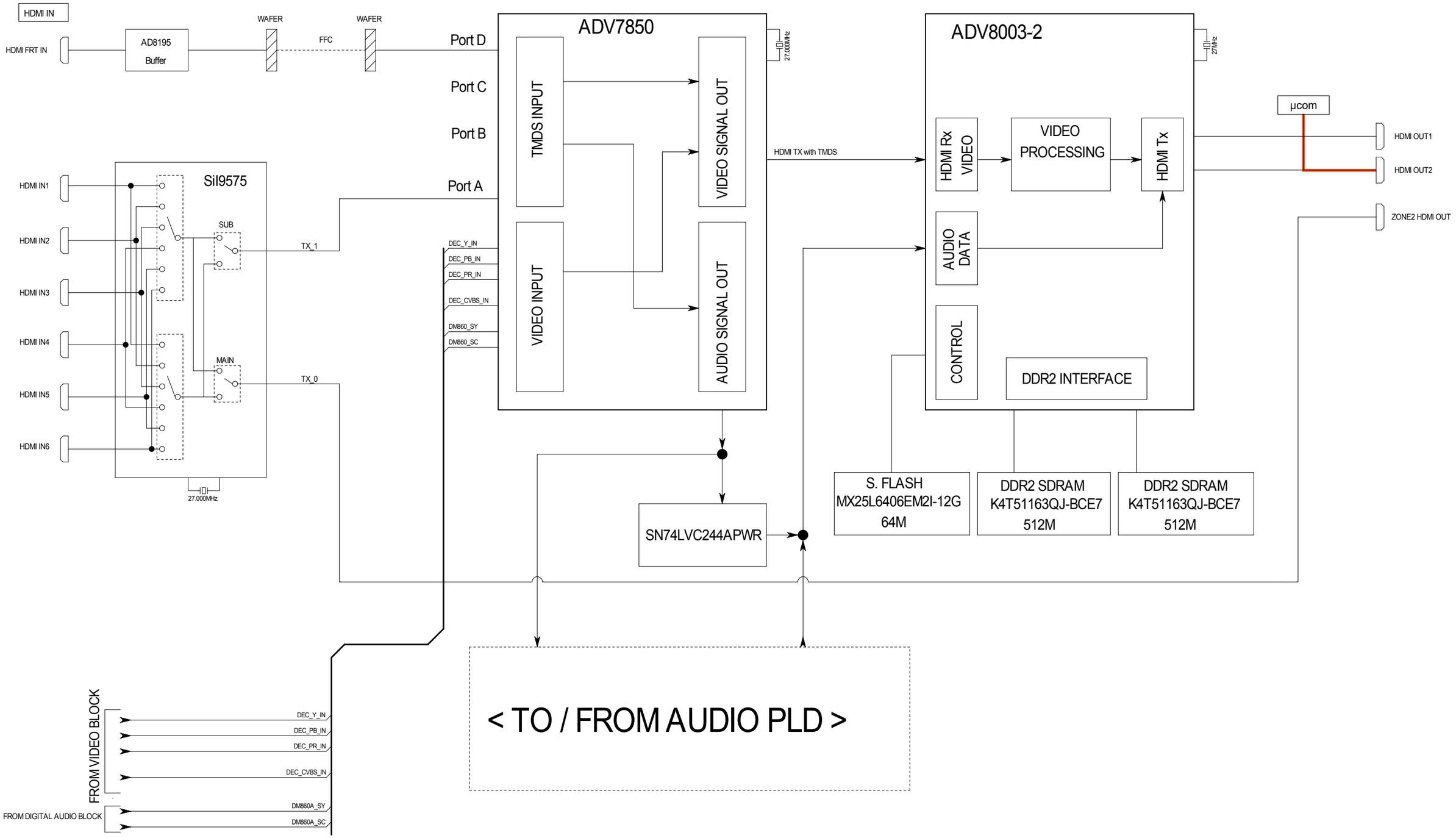


fig.7a

ANALOG AUDIO BLOCK

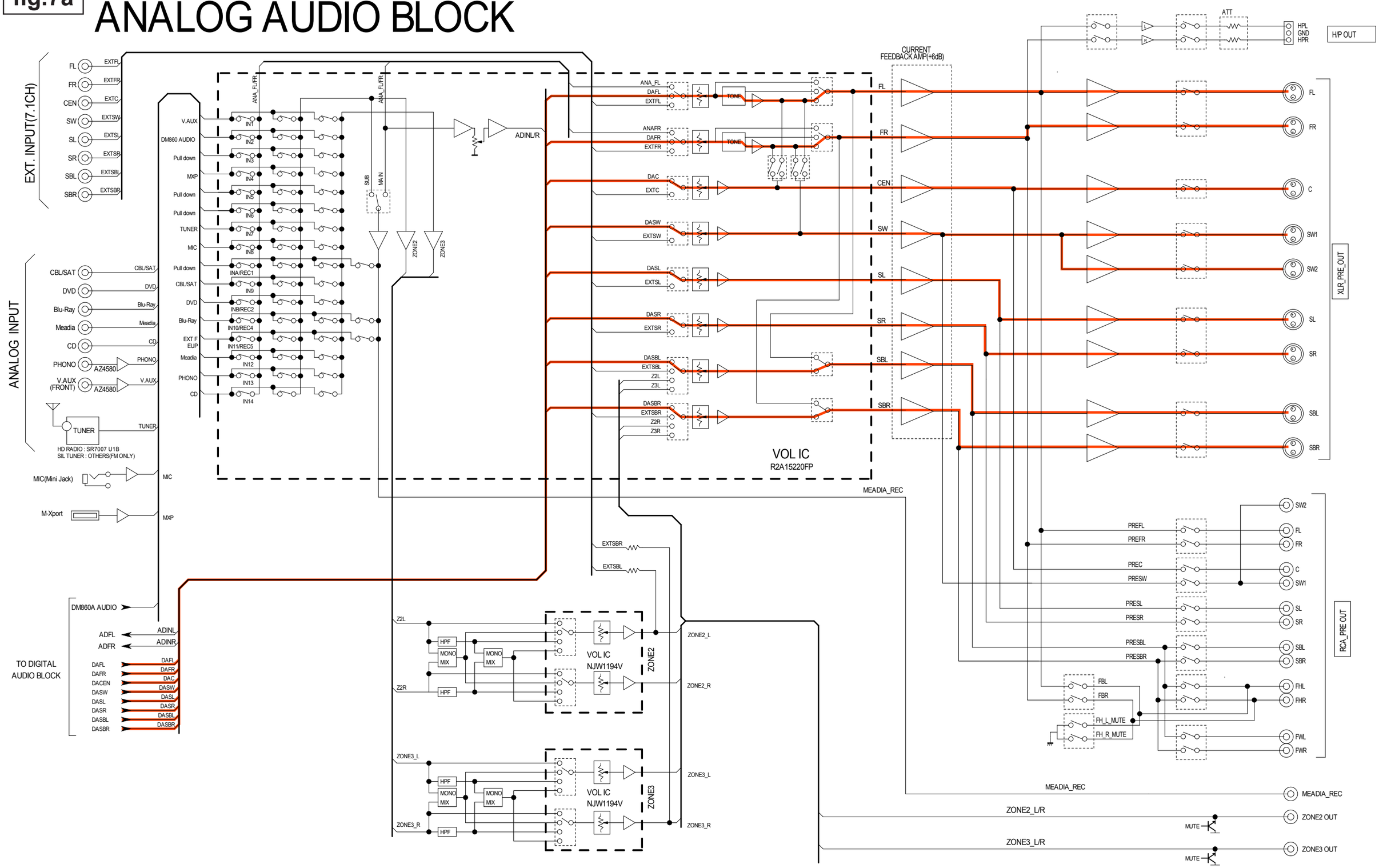


fig.7b

DIGITAL AUDIO BLOCK

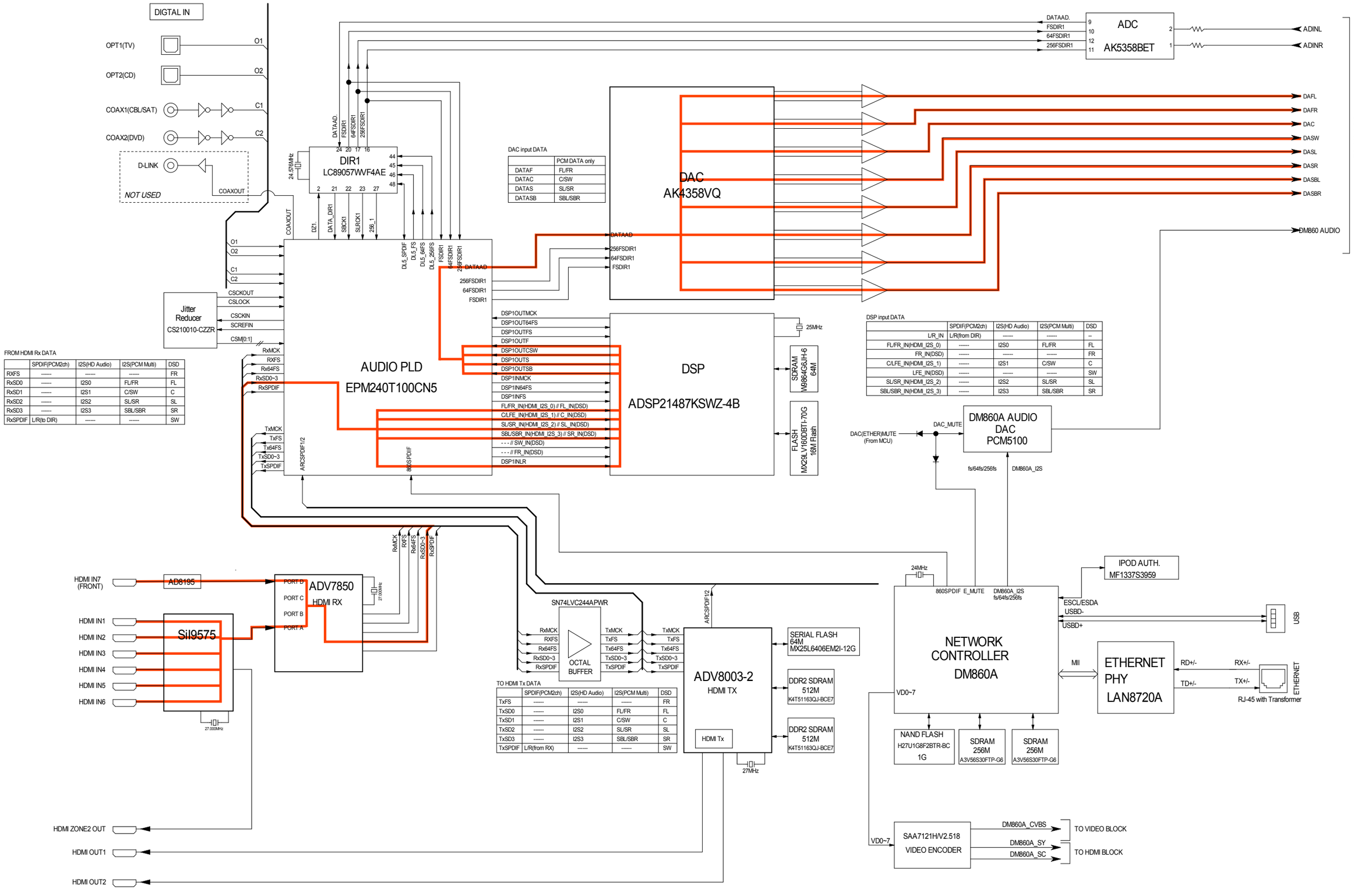


fig.8

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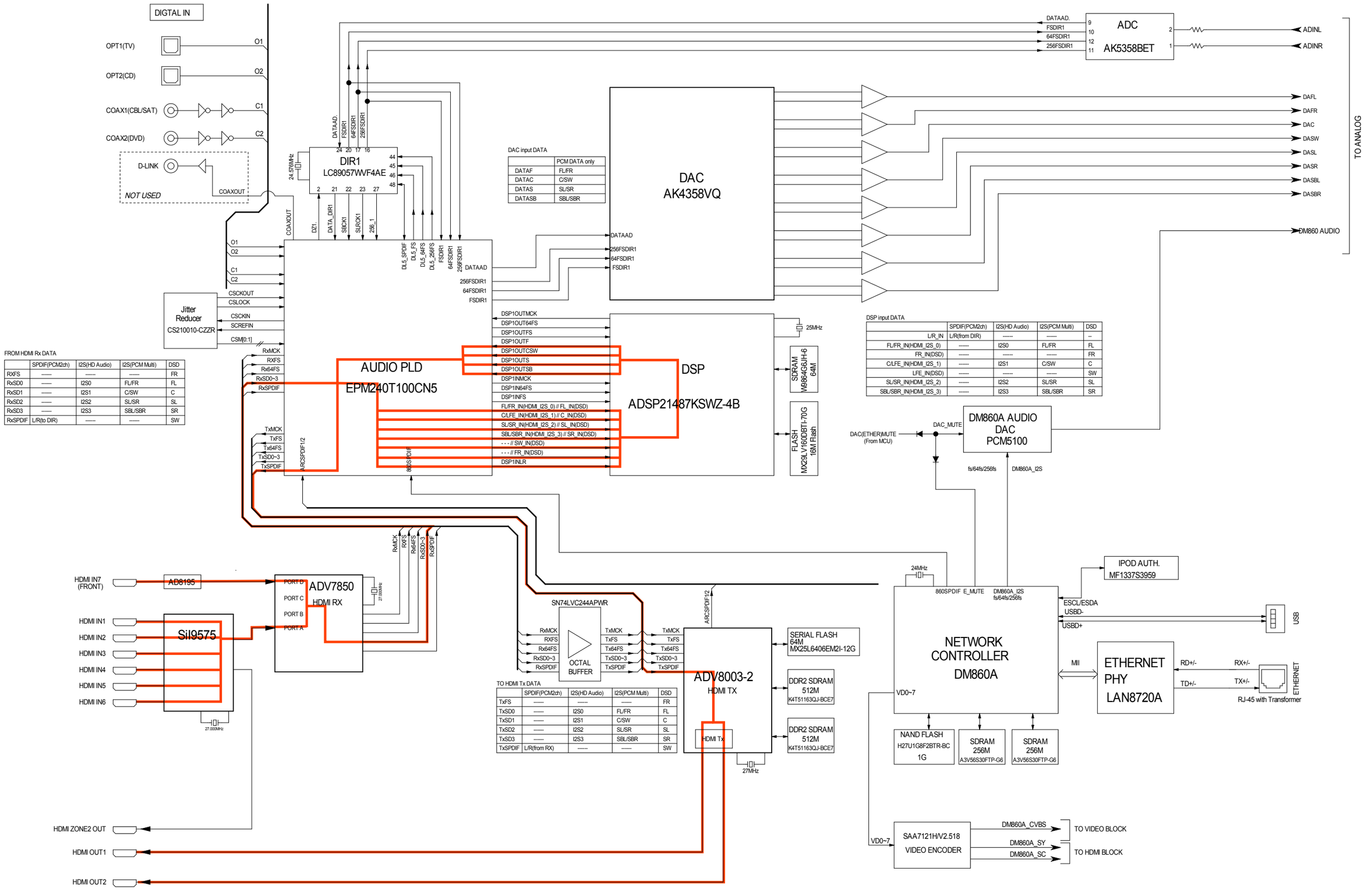

fig.9

HDMI VIDEO BLOCK

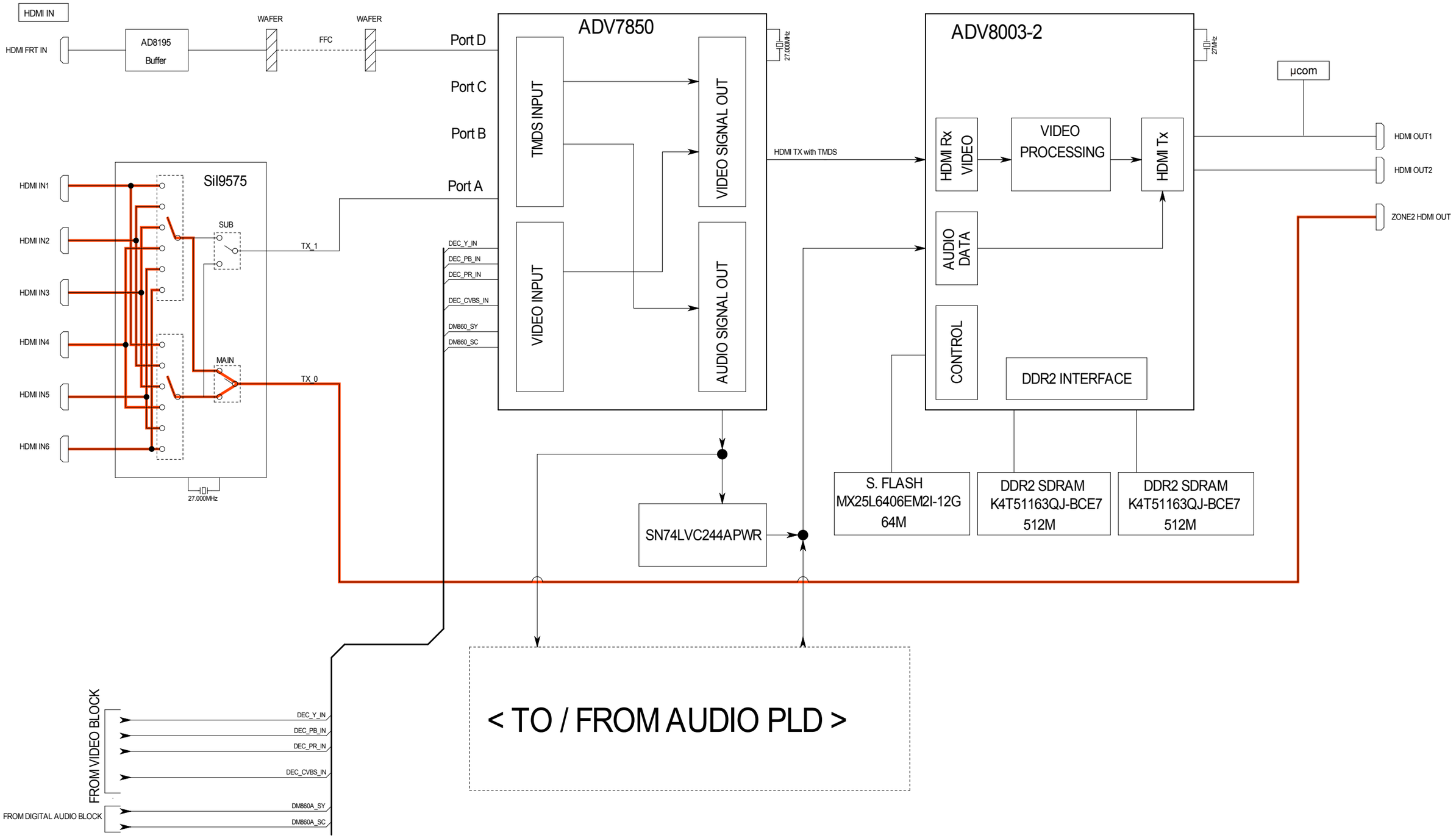

fig.10

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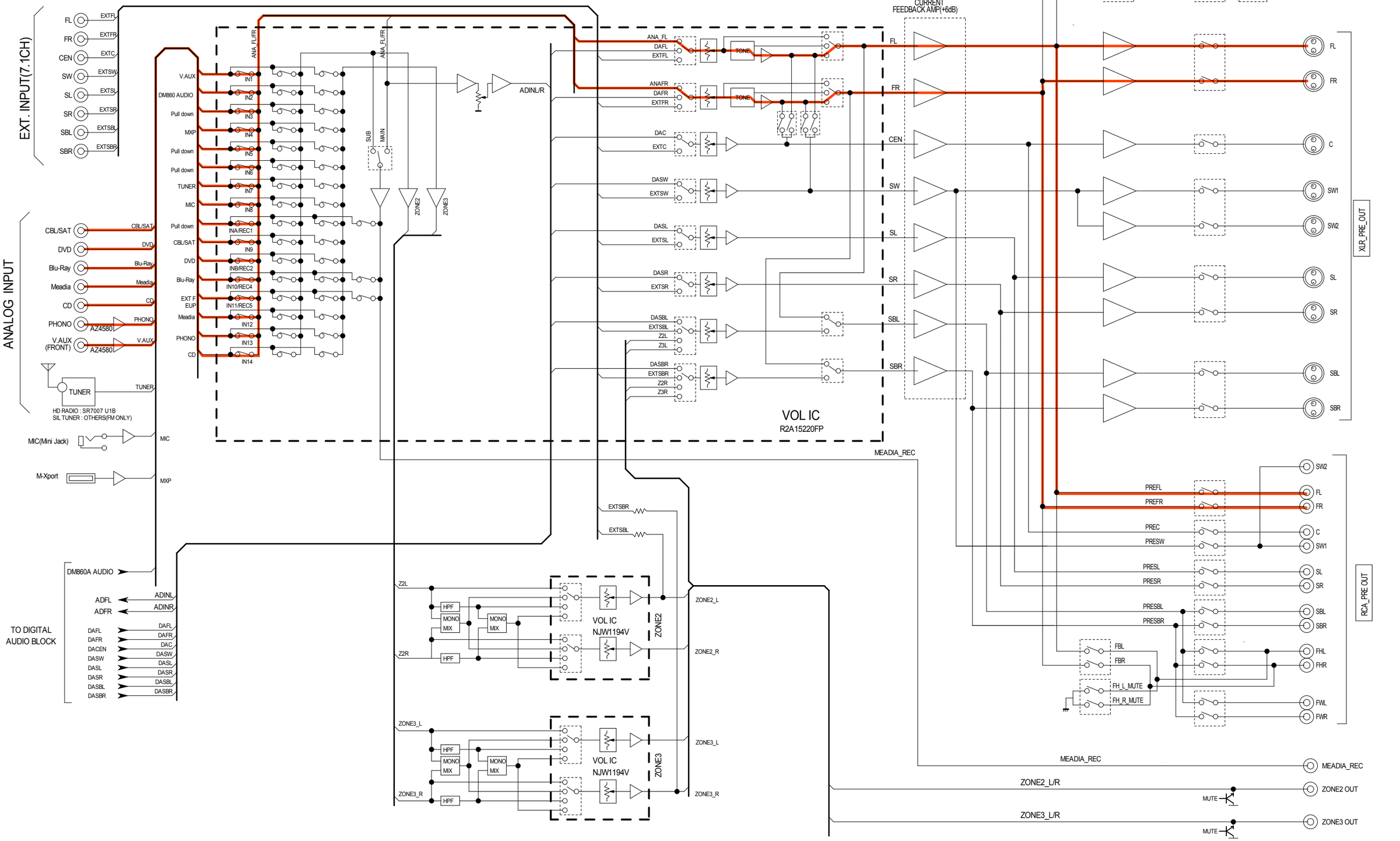

fig.11a

ANALOG AUDIO BLOCK

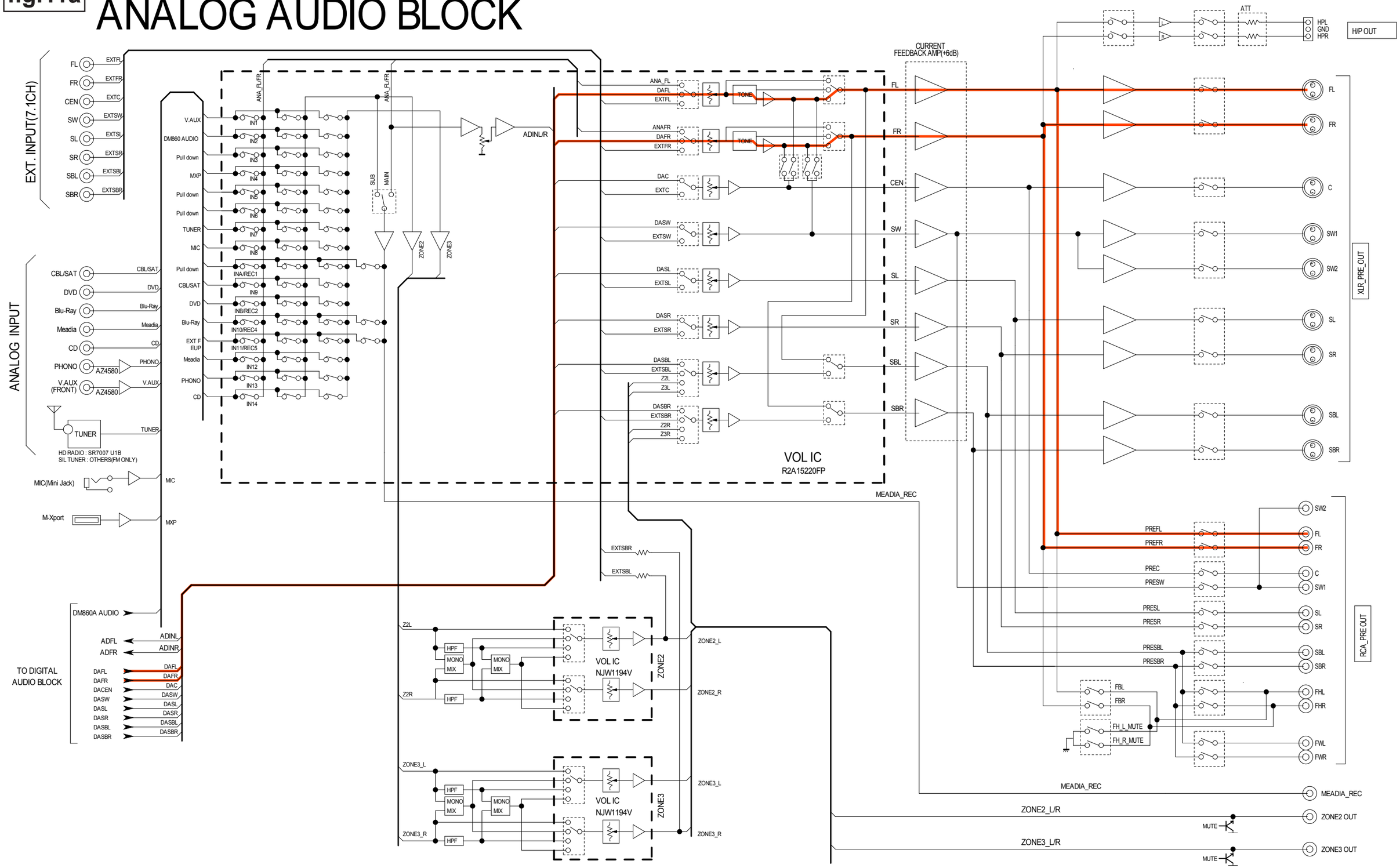

fig.11b

DIGITAL AUDIO BLOCK

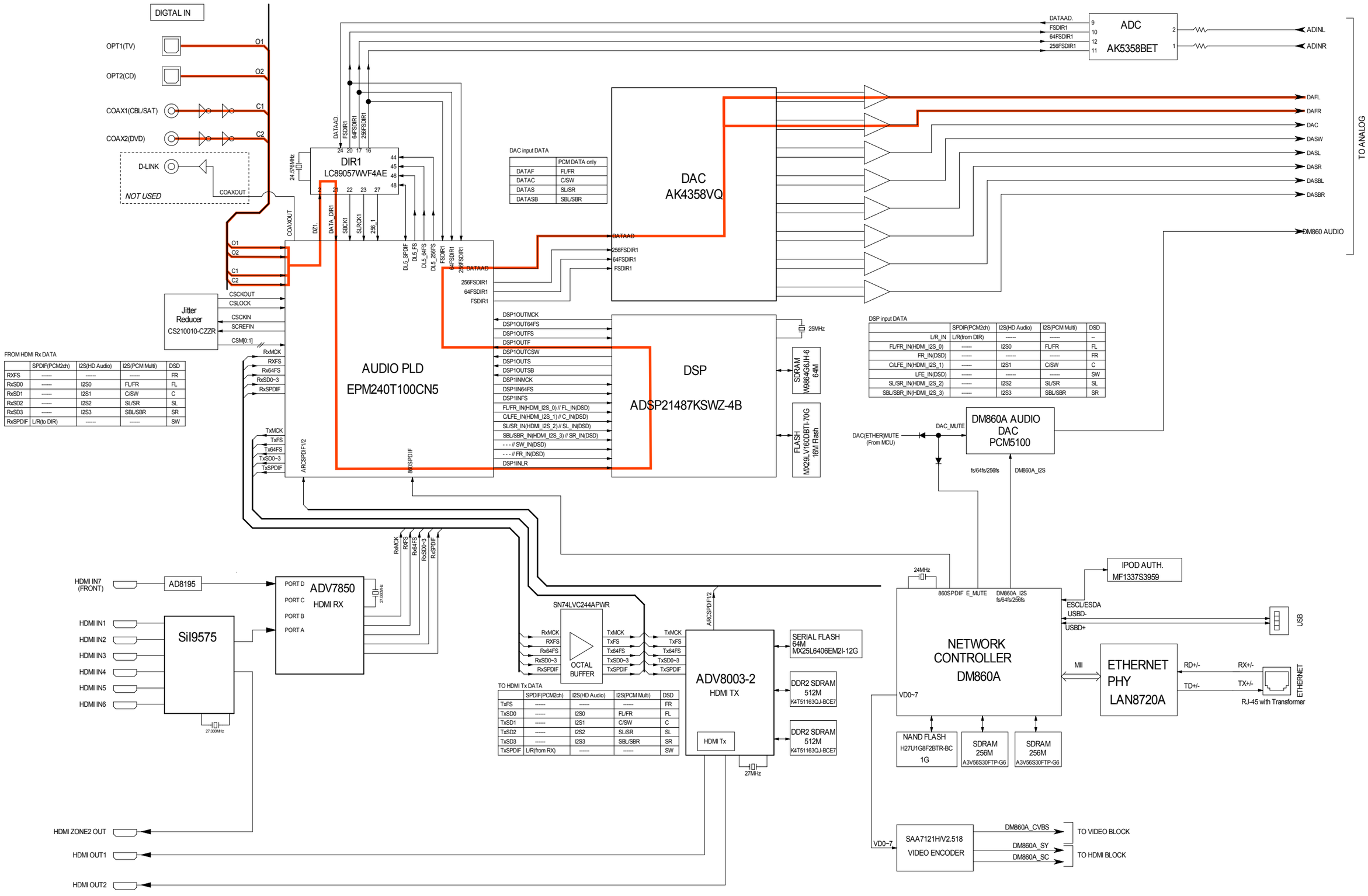

fig.12a

ANALOG AUDIO BLOCK

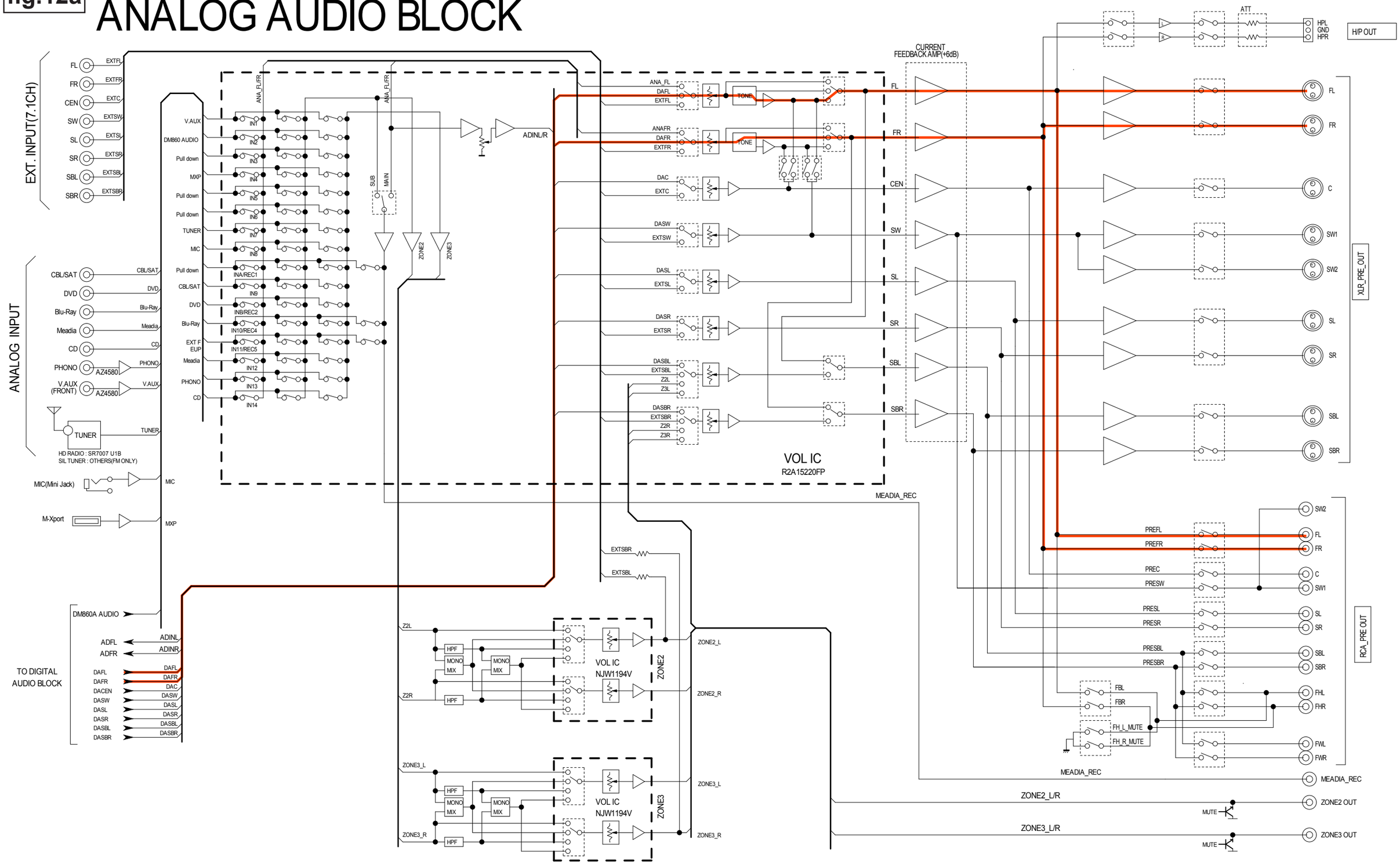

fig.12b

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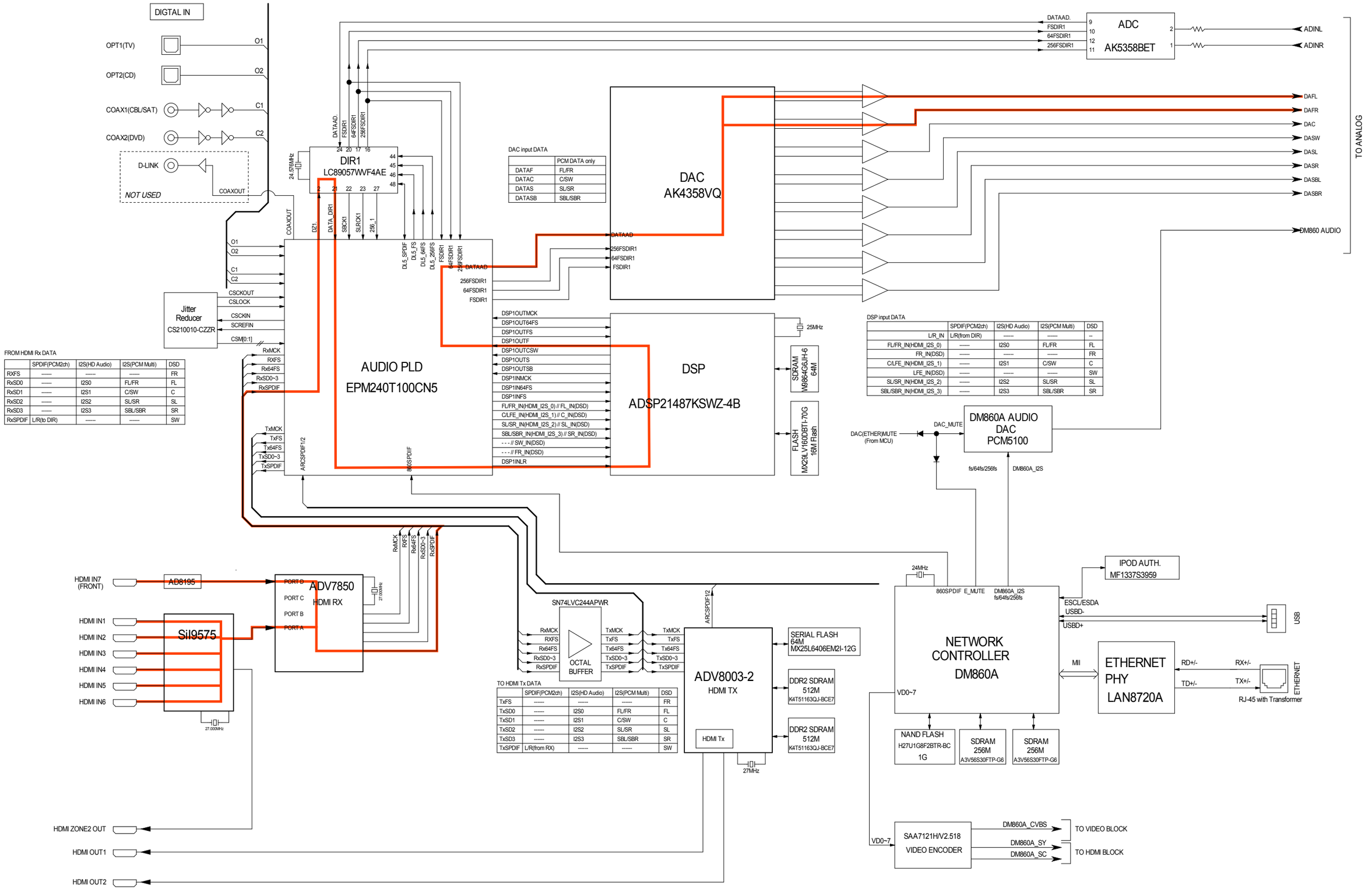

fig.13a

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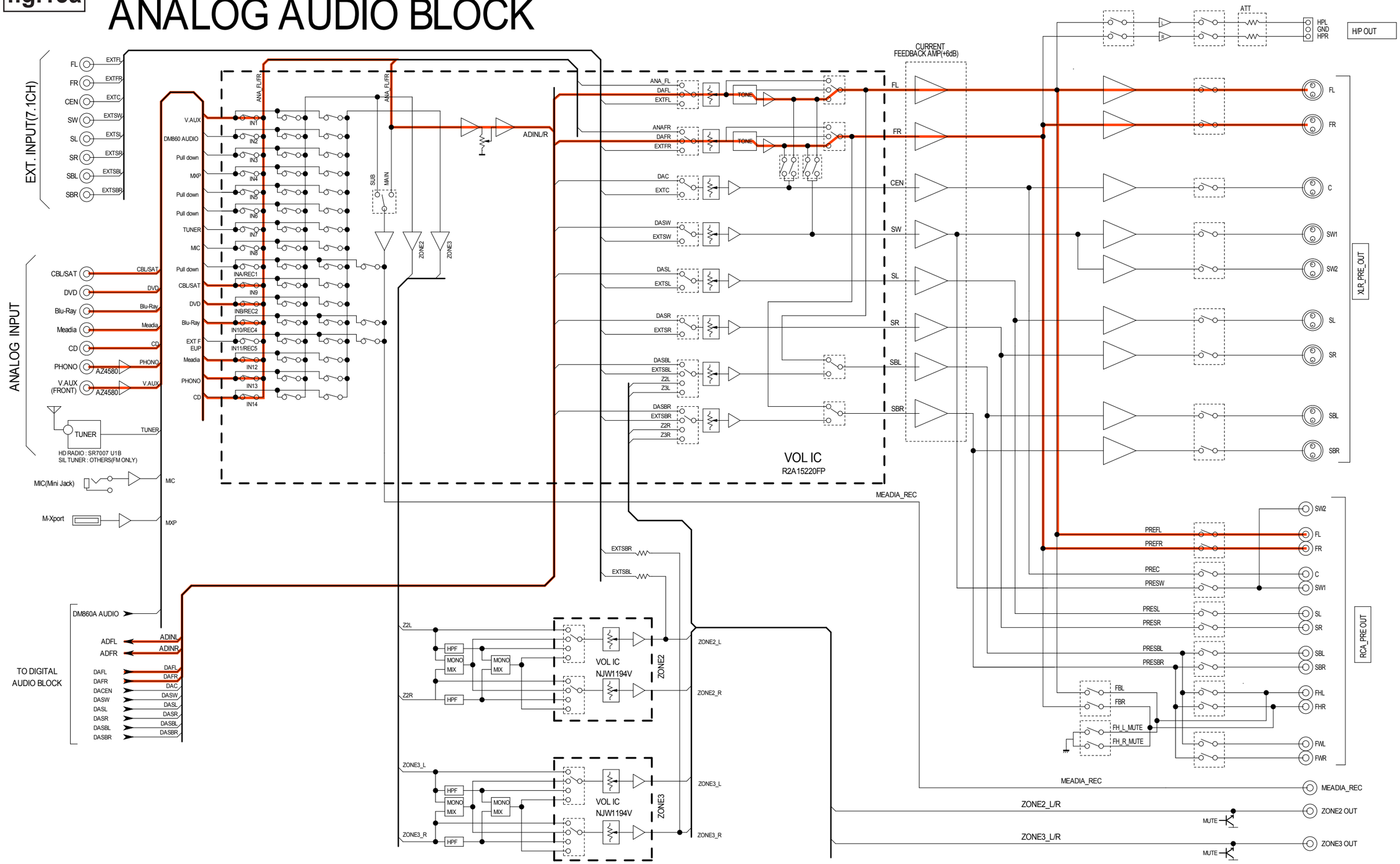

fig.13b

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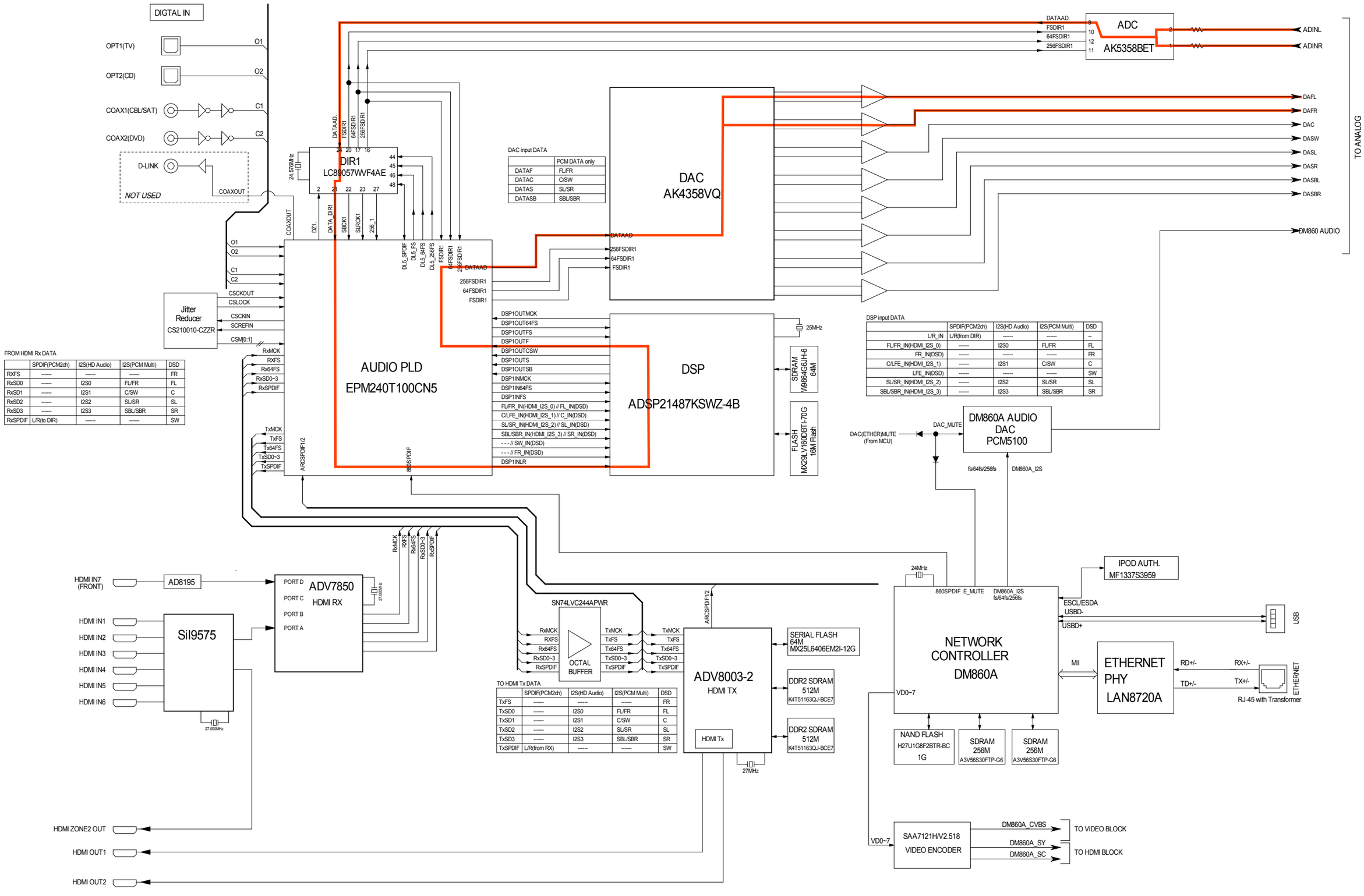

fig.14a

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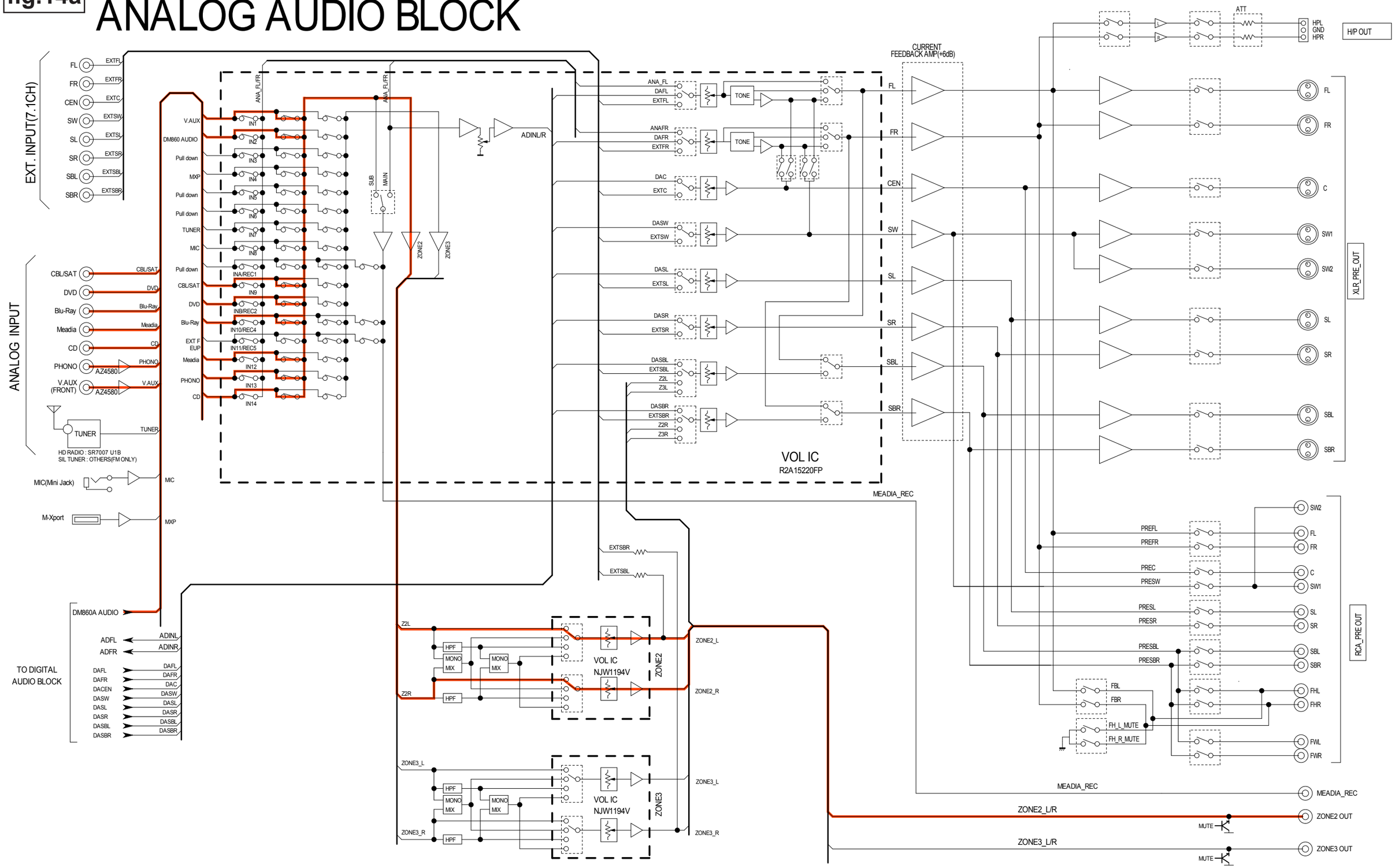

fig.14b

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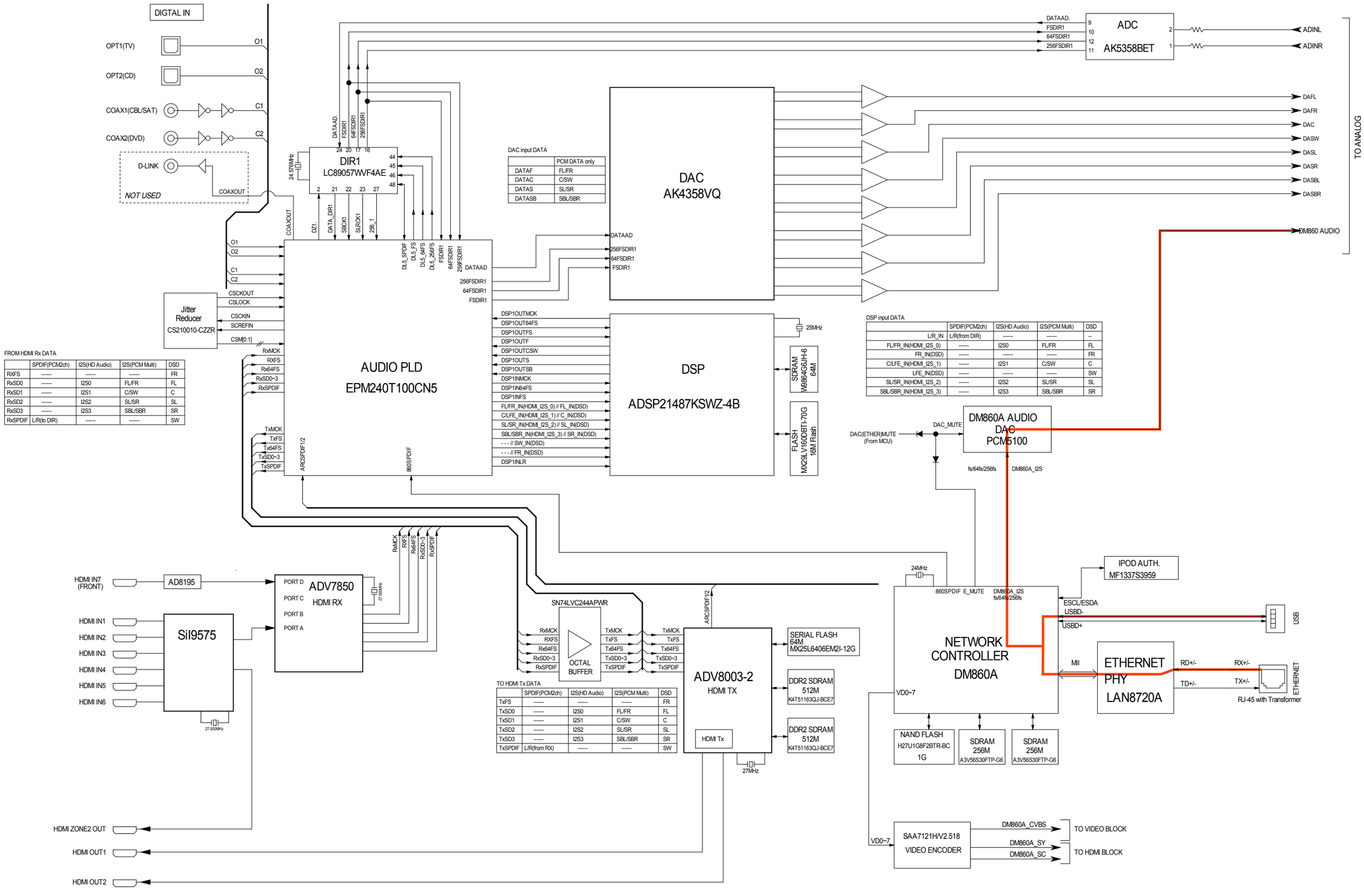

fig.15a

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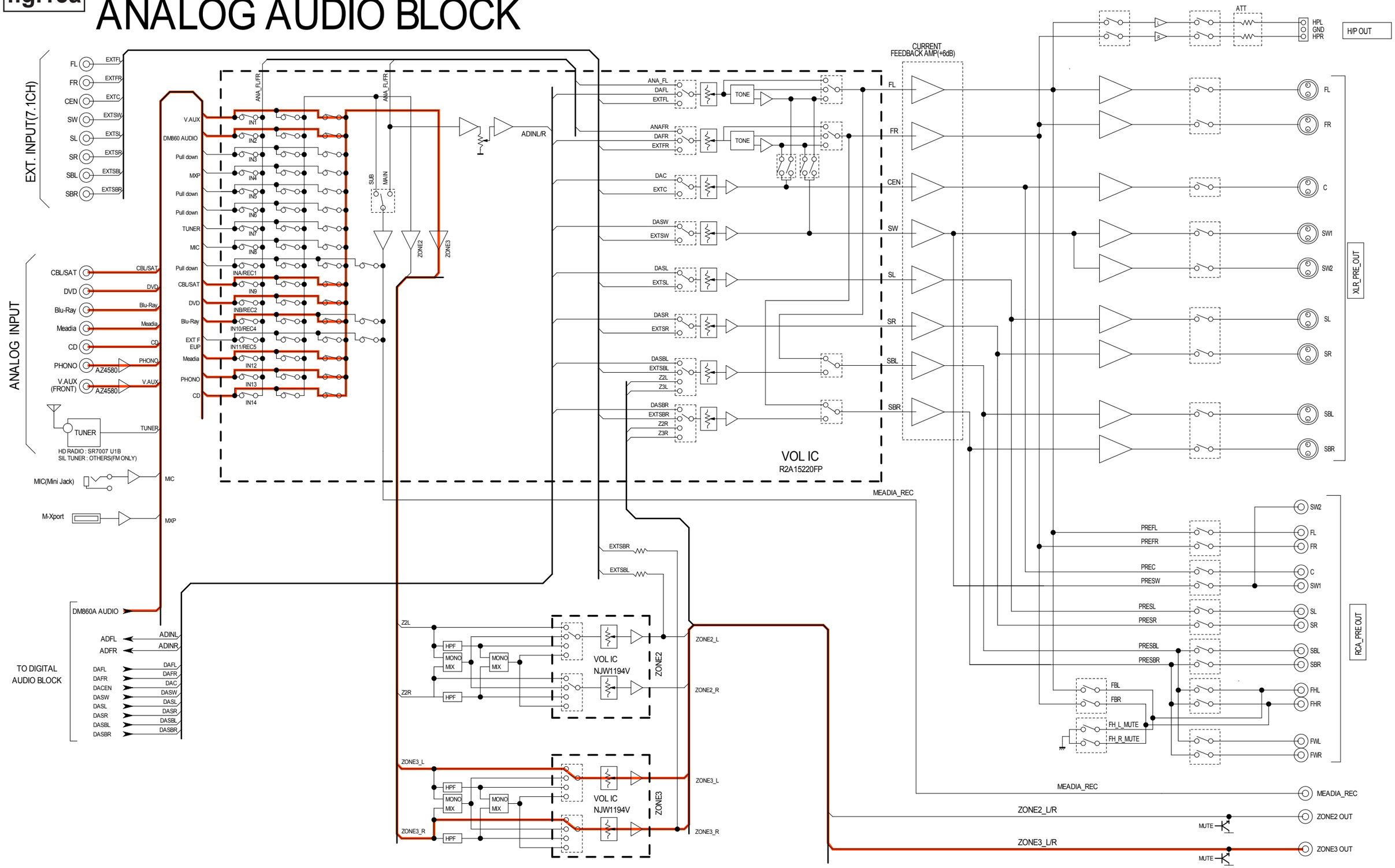

fig.15b

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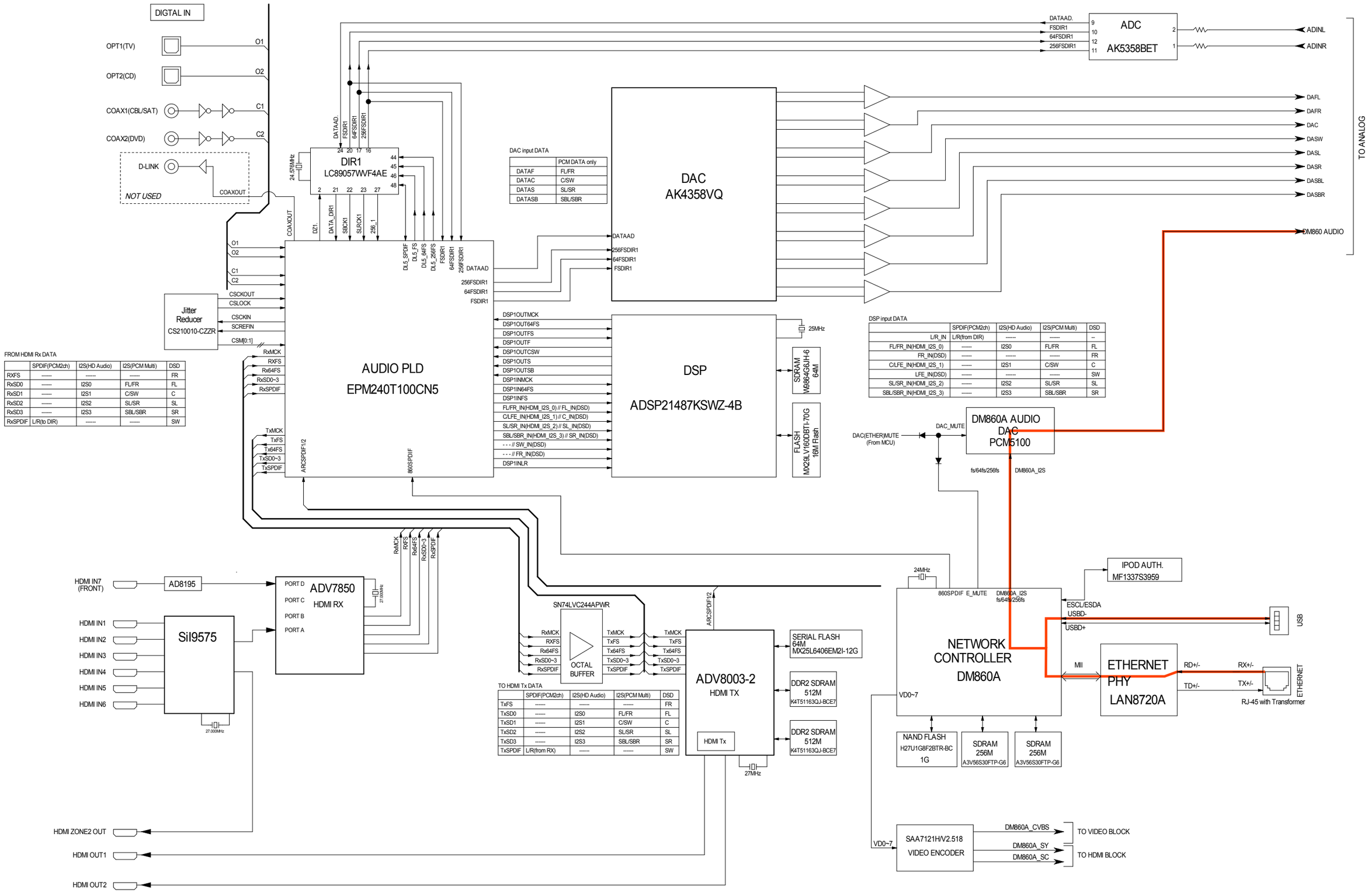


fig.19a

ANALOG AUDIO BLOCK

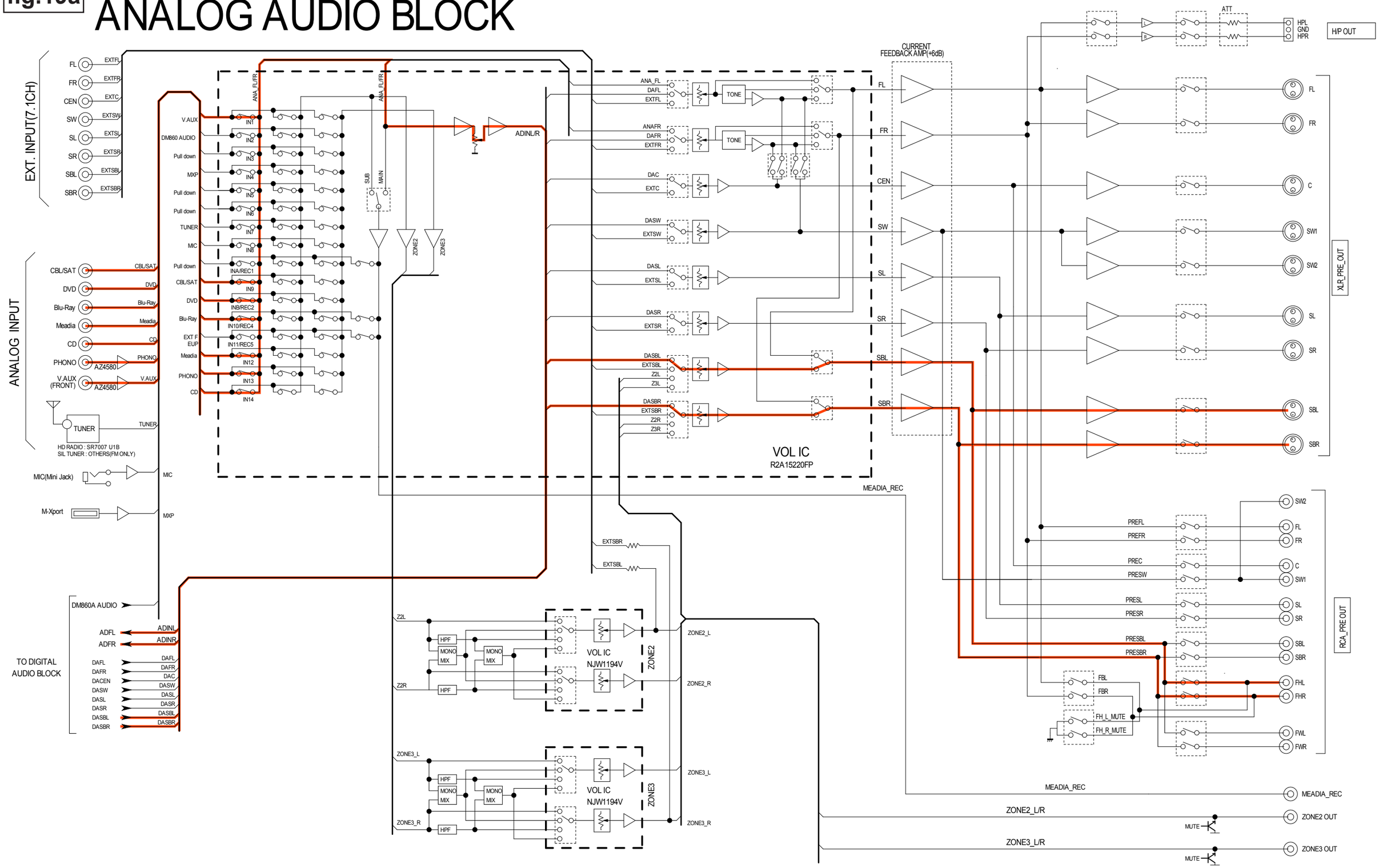


fig.19b

DIGITAL AUDIO BLOCK

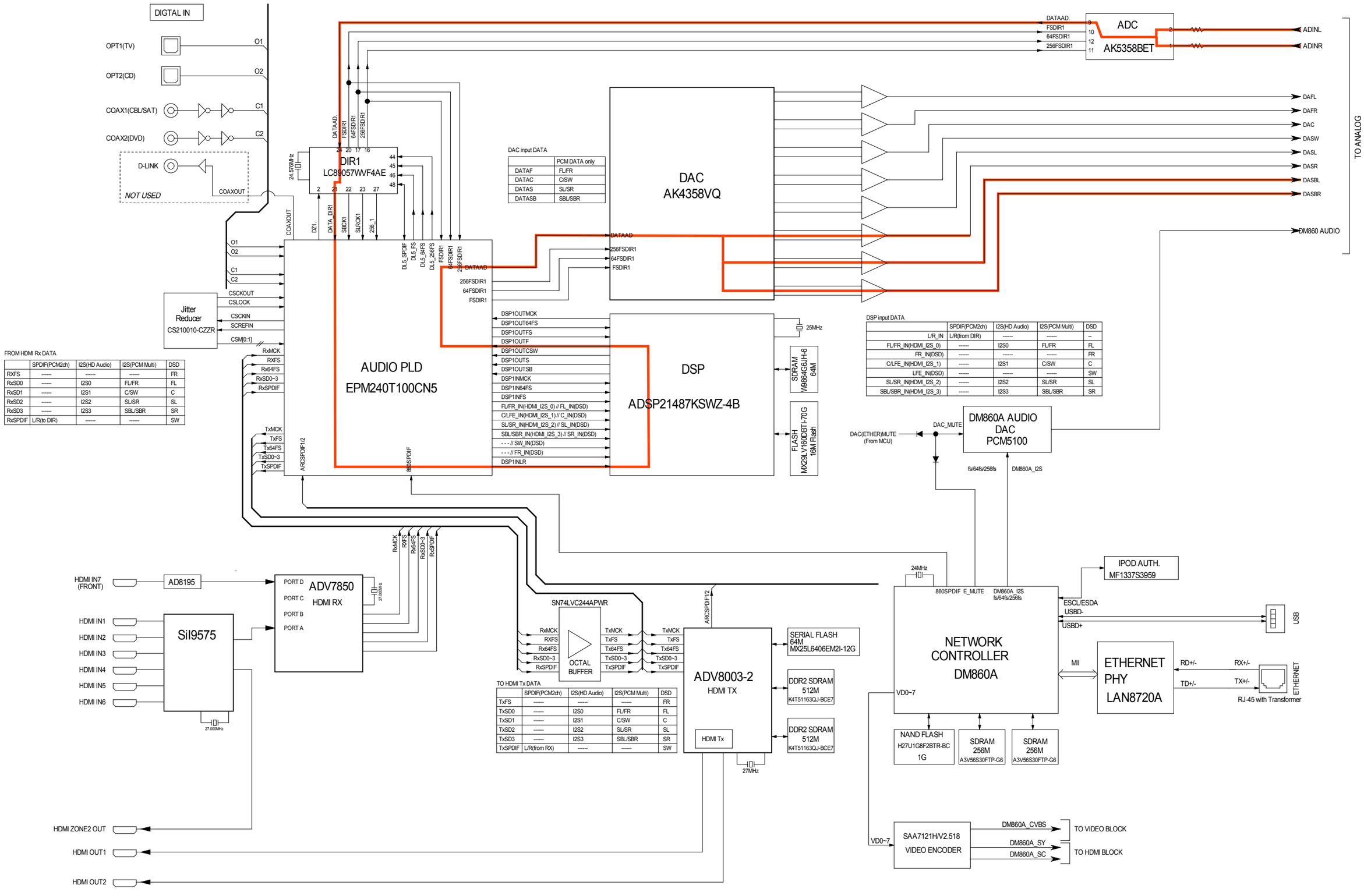


fig.20a

ANALOG AUDIO BLOCK

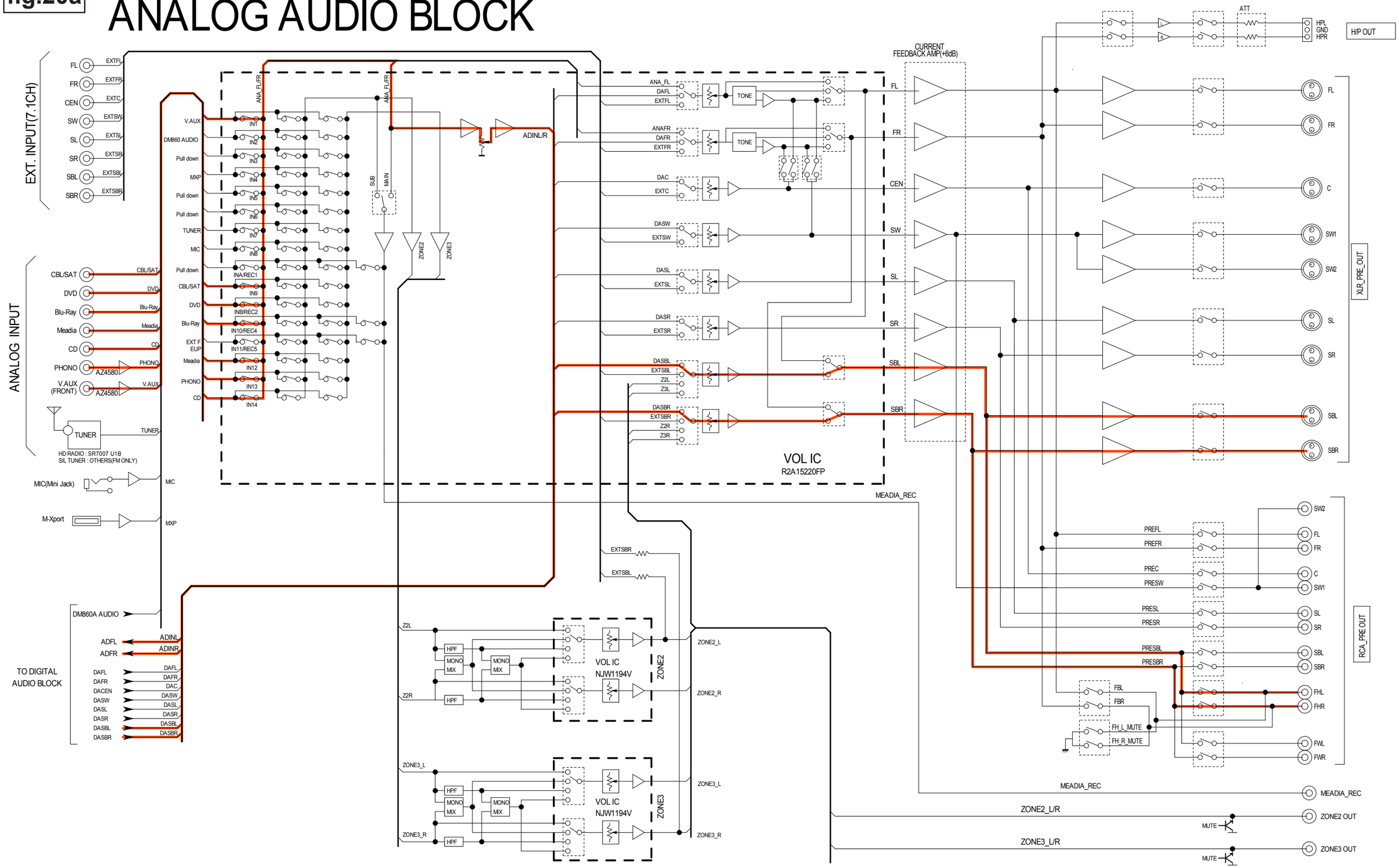
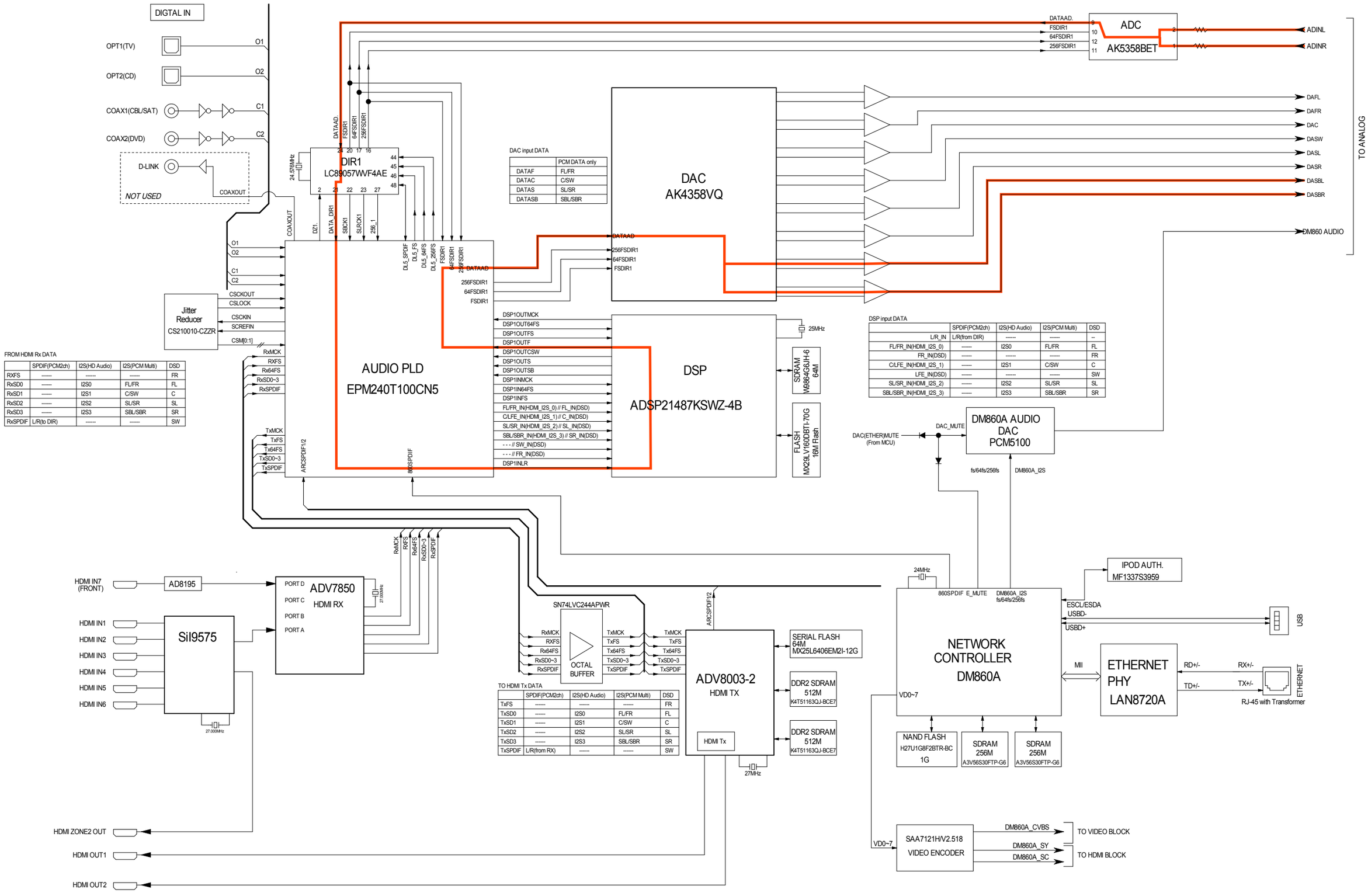
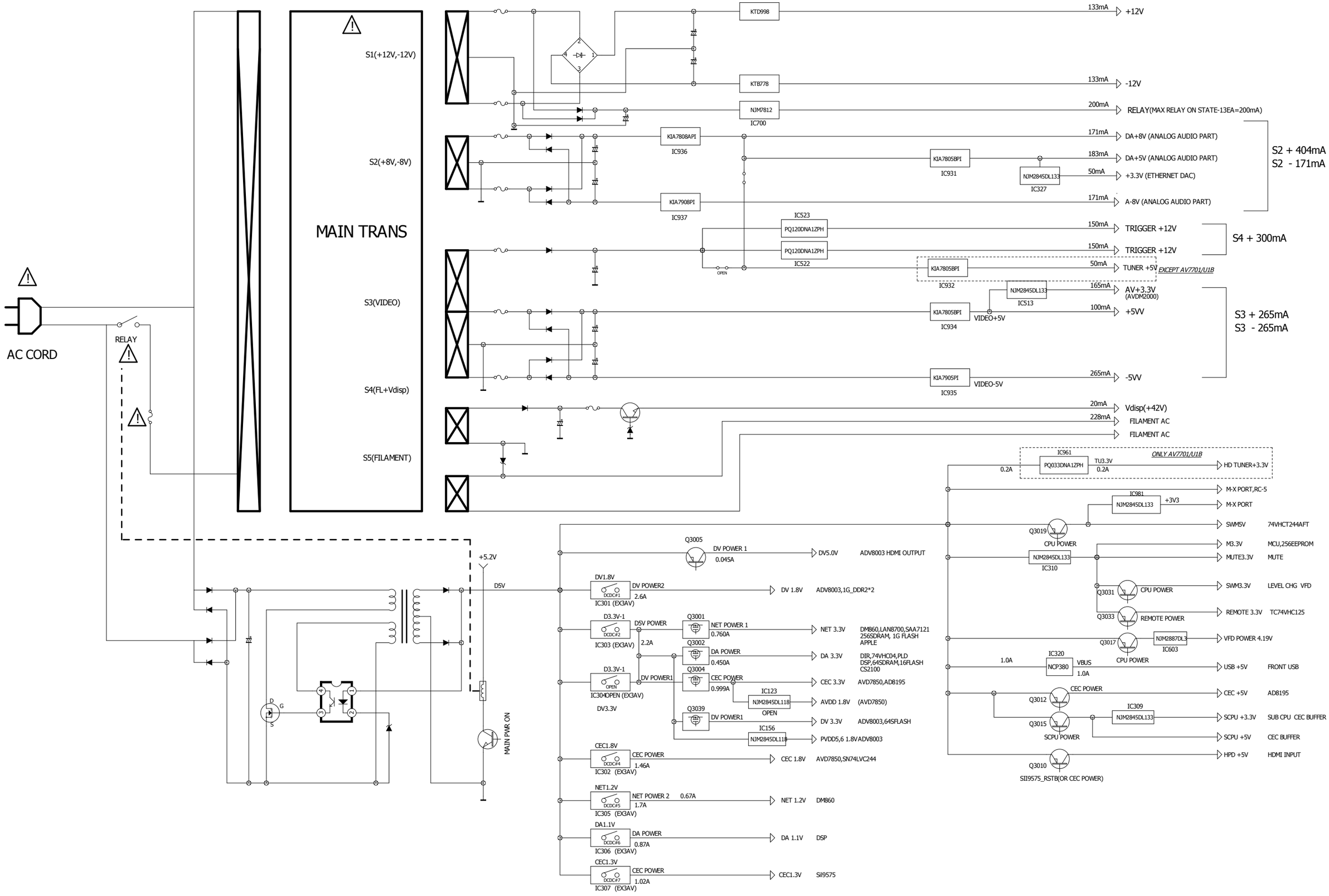


fig.20b

DIGITAL AUDIO BLOCK



AV7701 POWER BLOCK DIAGRAM



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 : 2 Set

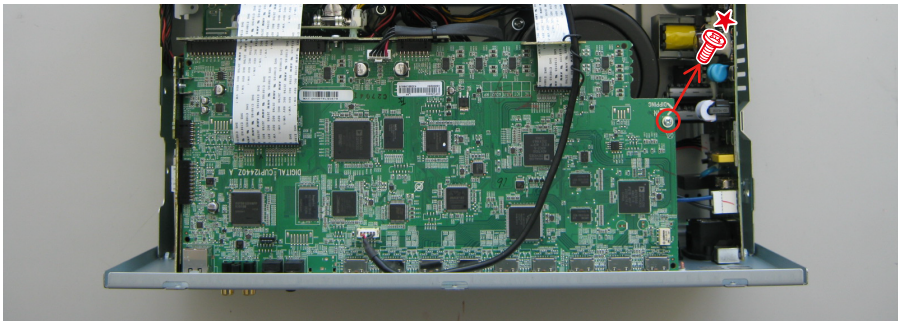
• Connection of PCB HDMI JIG

-Preparation-

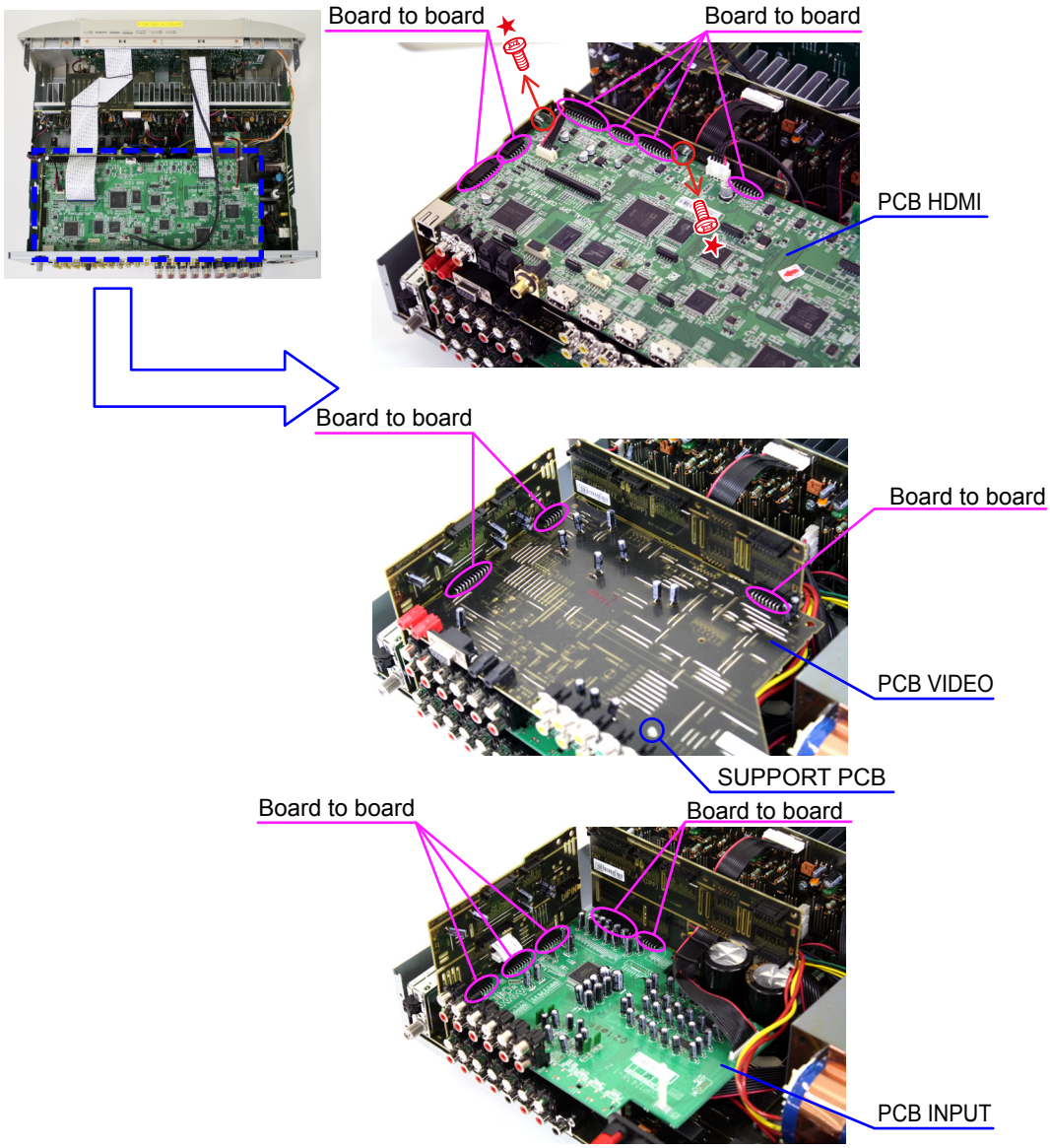
8U-110084S : EXTENSION UNIT KIT : 1 Set
Insulation sheet (Do not supply it) : 3 sheets
Ground lead (Do not supply it) : 3 pcs

-Procedures-

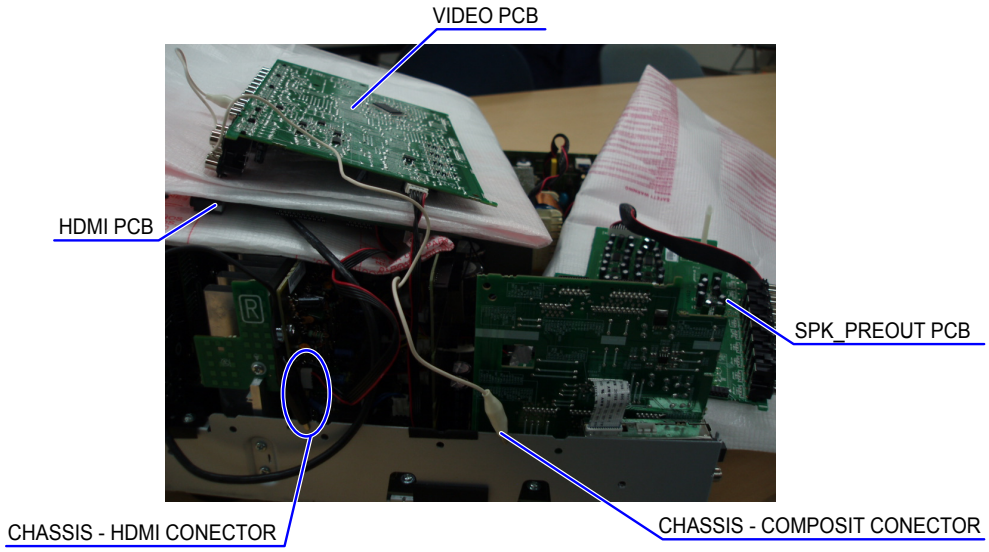
(1) Remove the screws.



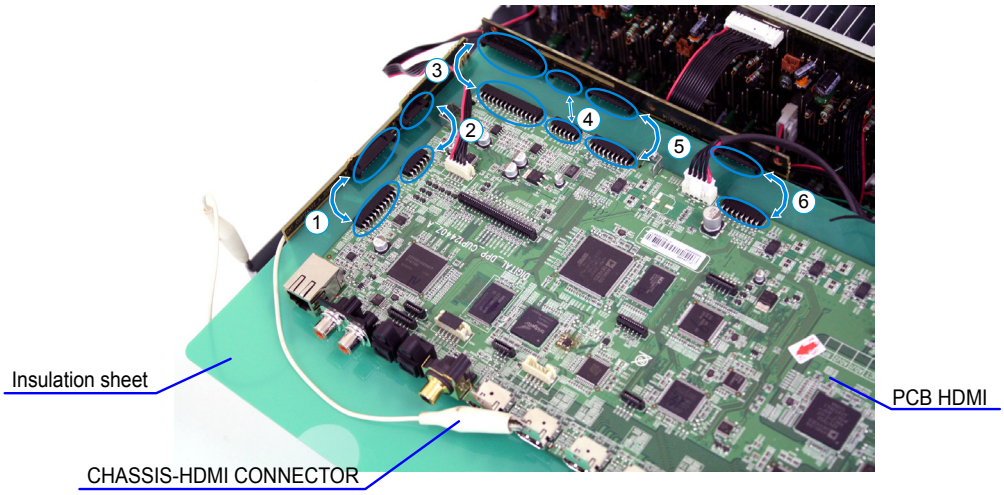
(2) Disconnect the connector board.

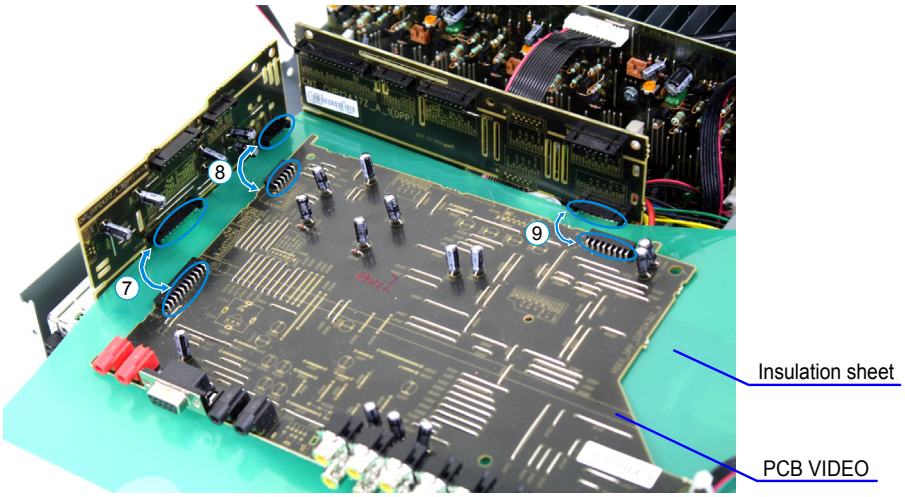


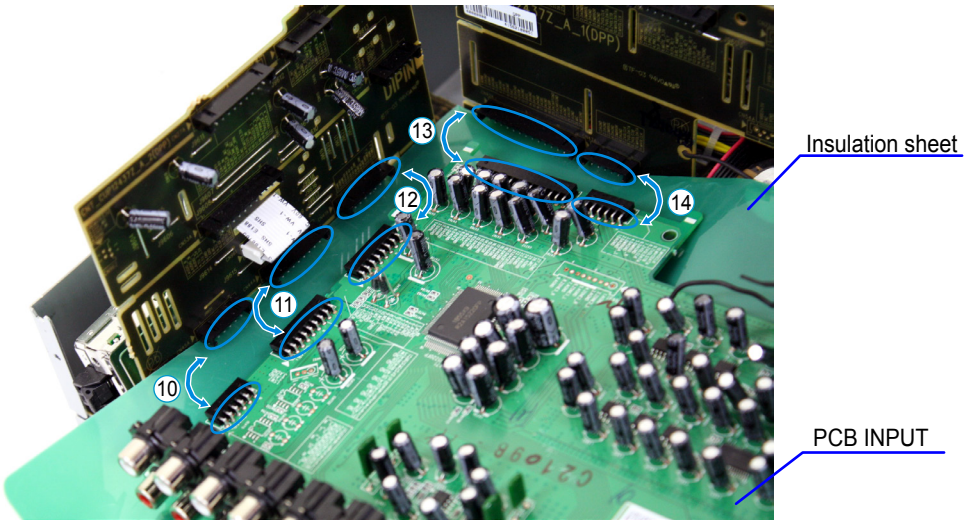
(3) Detach PCB HDMI from the chassis, and turn it over.
Please put an insulation sheet that is larger than PCB HDMI under PCB.
※ Connect the ground point of PCB to the chassis with a ground lead or the like.



(4) Connect the six extension jig cables.







Connection table of Board to Board

No.	Pin	Ref. No.	PCB		Ref. No.	PCB
①	19pin	CN27A	SIDE CNT	⟷	CN27B	HDMI
②	11pin	CN28A	SIDE CNT	⟷	CN28B	HDMI
③	27pin	CN24A	FRONT CNT	⟷	CN24B	HDMI
④	11pin	CN26A	FRONT CNT	⟷	CN26B	HDMI
⑤	17pin	CN25A	FRONT CNT	⟷	CN25B	HDMI
⑥	15pin	CN21A	FRONT CNT	⟷	CN21B	HDMI
⑦	21pin	CN53A	SIDE CNT	⟷	CN53B	VIDEO
⑧	11pin	CN52A	SIDE CNT	⟷	CN52B	VIDEO
⑨	15pin	CN51A	FRONT CNT	⟷	CN51B	VIDEO
⑩	11pin	CN45A	SIDE CNT	⟷	CN45B	INPUT
⑪	17pin	CN44A	SIDE CNT	⟷	CN44B	INPUT
⑫	15pin	CN41A	SIDE CNT	⟷	CN41B	INPUT
⑬	27pin	CN42A	FRONT CNT	⟷	CN42B	INPUT
⑭	11pin	CN43A	FRONT CNT	⟷	CN43B	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
HDMI	IC201	R5F56108VNFP	**B**	SOFTWARE: Main
HDMI	IC231	R5F3650KNFB	**B**	SOFTWARE: Sub
HDMI	IC410	MX29LV160DBTI-70G	**B**	SOFTWARE: DSP ROM
HDMI	IC406	EPM240T100C5N	**B**	SOFTWARE: Audio PLD
HDMI	IC155	MX25L6406EM2I-12G	**B**	SOFTWARE: Video OSD ROM

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.

PROCEDURE FOR UPGRADING THE VERSION OF THE FIRMWARE

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

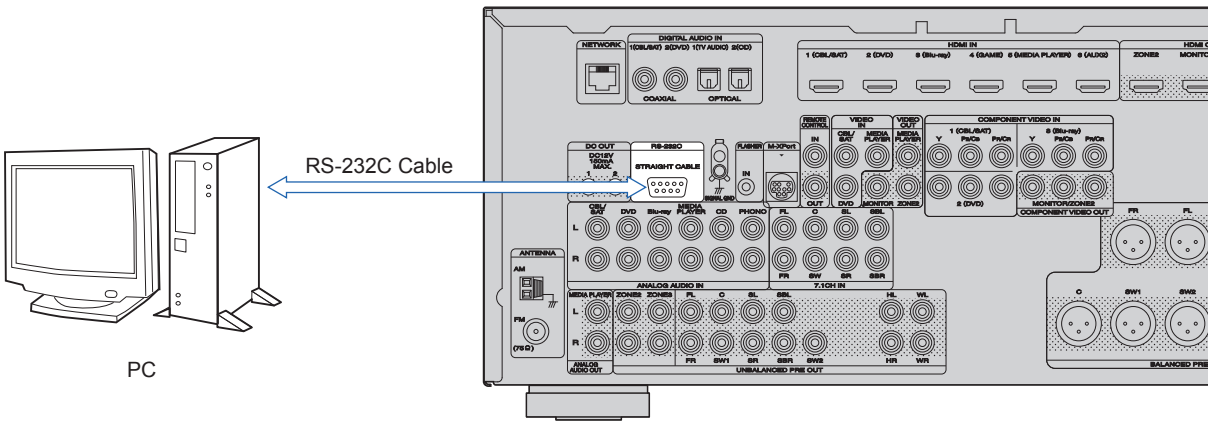
1. How to update by DFW

1.1. Preparations before starting the operation

(1) Personal Computer (Installed "DFW_0017_AV7701_(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".



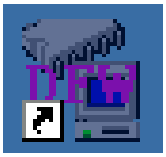
1.3. Turn on the AV receiver

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.

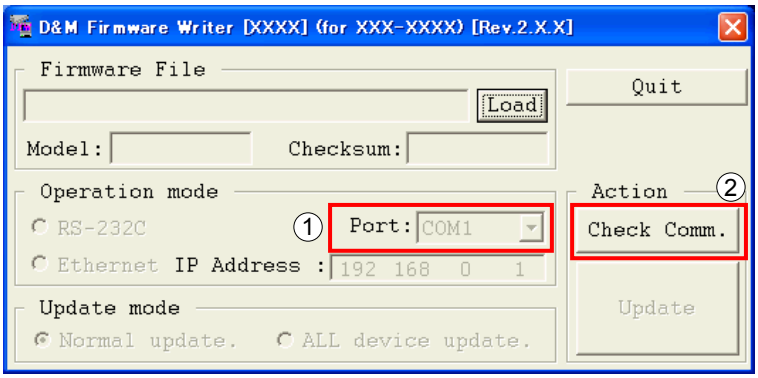
1.4. Run the DFW

Run the "DFW_0017_AV7701_(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.



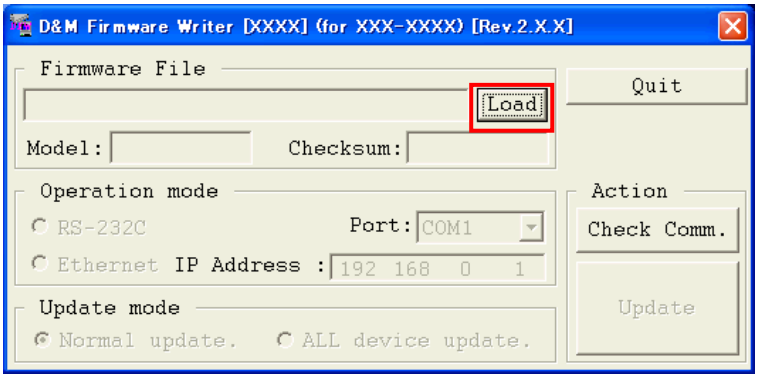
(3) When connection is good, then you can see the "Communication check OK." message.

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

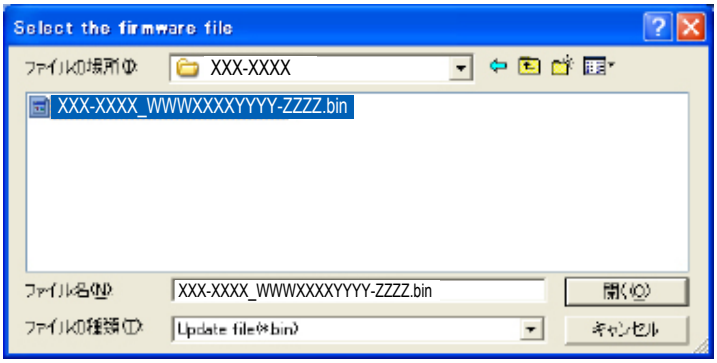
Please confirm the following
(a) Check the connection of the AV receiver and PC. (refer to "**1.2. Connection of the AV receiver**")
(b) Check the operation mode of the AV receiver. (refer to "**1.3.Turn on the AV receiver**")
(c) Check the selection of the RS-232C port number of PC.

1.6. Download the firmware

(1) Click the "Load" button.

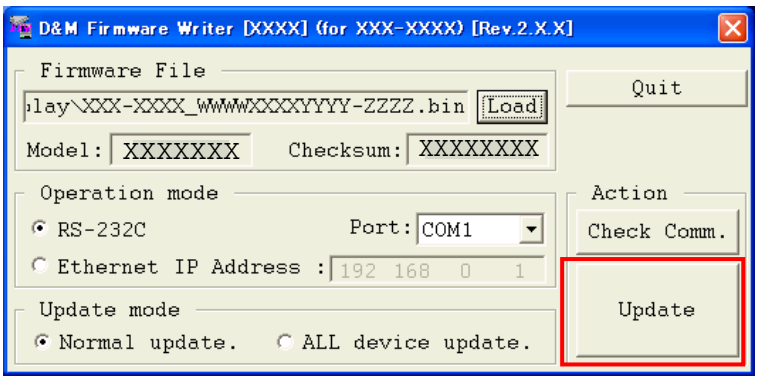


(2) Download the firmware from the specified download source to PC.

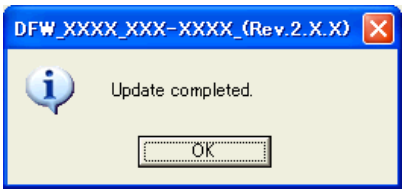


1.7. Complete the firmware updating

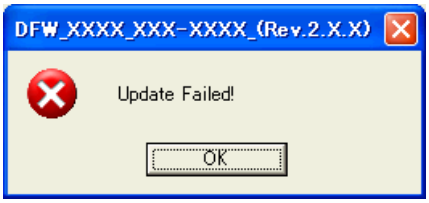
(1) Click the "Update" button.



(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**" (22 page).

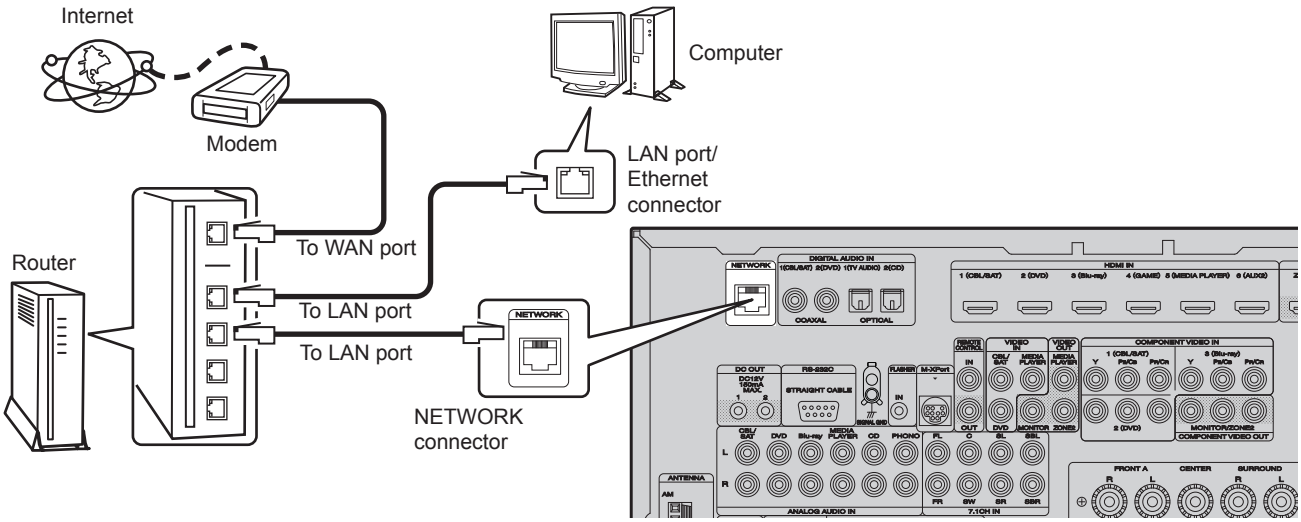
2. How to update by DPMS

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 "SETUP" button to close the menu.

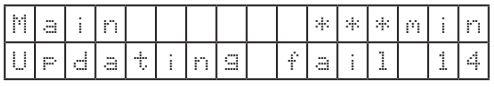
--- Cautions on Firmware Update ---

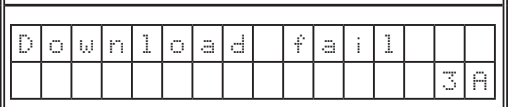
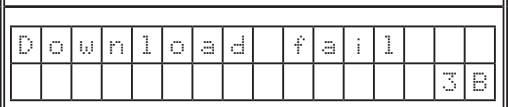
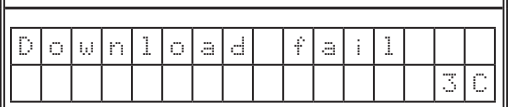
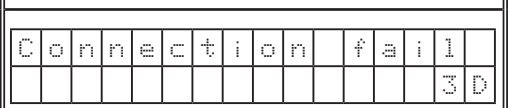
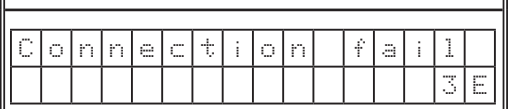
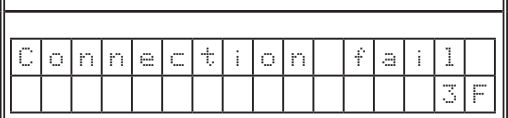
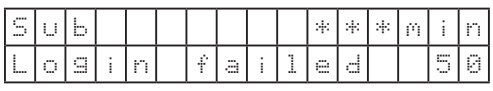
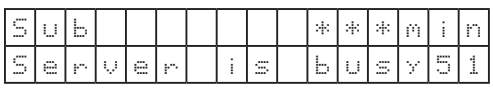
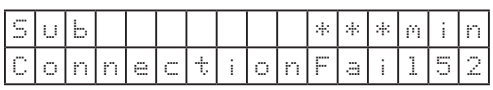
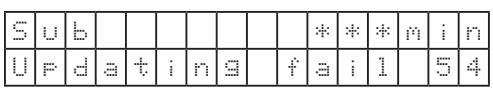
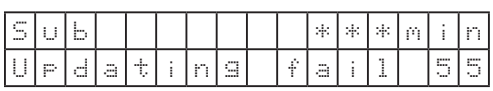
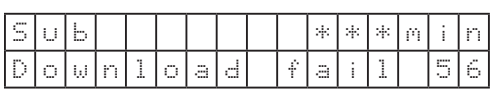
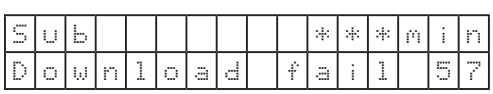
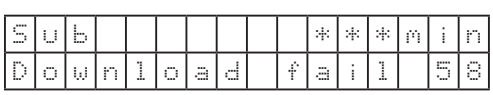
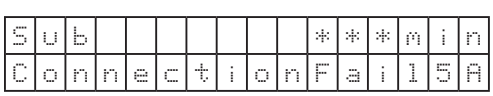
- In order to update the firmware, you must have the correct system requirements and settings for a broadband Internet connection.
- Do not turn off the power until updating is completed.
  Even with a broadband connection to the Internet, approximately 1 hour is required for the updating procedure to be completed.
  Once updating starts, normal operations on the AV7701 cannot be performed until updating is completed. Also, setting items of the GUI menu of AV7701 or setting items of the image adjustment may be initialized.
  Note down the settings before updating, and set them again after updating.

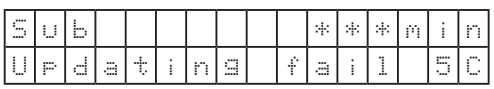
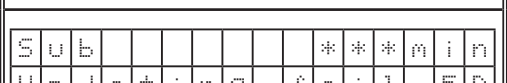
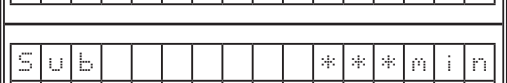
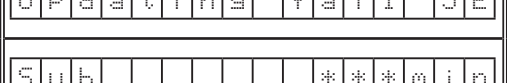
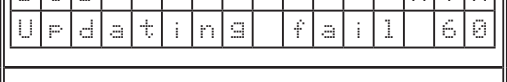
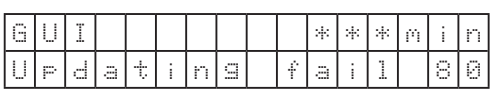
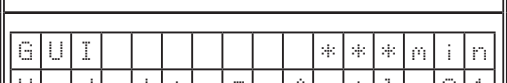
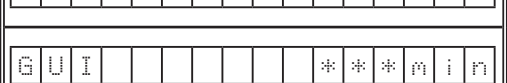
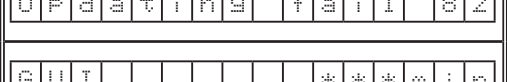
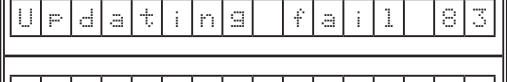
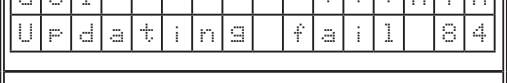
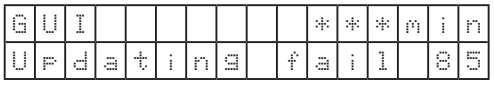
2.3. About the error code

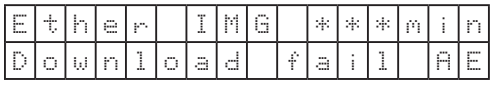
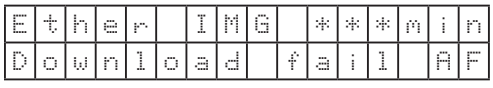
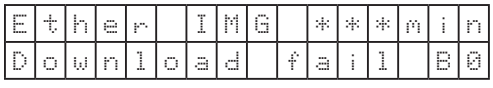
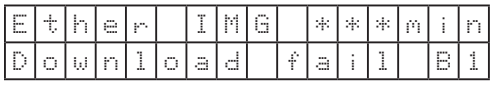
See the table below for error codes, details of faults, and coping strategies when the firmware is updated through DPMS (Marantz Product Management Server).

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.

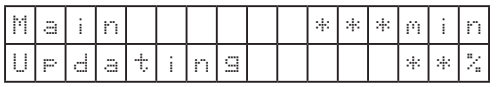
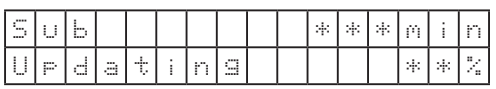
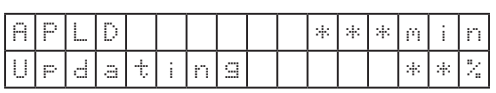
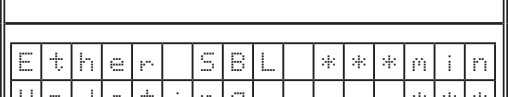
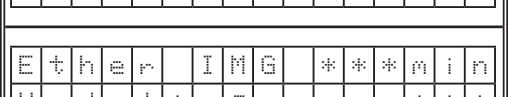
Error Code	Details of Error code	Display	Coping strategies
39	Connection to DPMS timed out when firmware such as Sub CPU, DSP, FPGA, and PLD was rewritten.		Check the network connection. Carry out the update in an environment that has little network load.
3A	Error (NG) message was received when firmware was downloaded or Main CPU was rewritten.		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.		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.		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).		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).		Check the network connection. Carry out the update in an environment that has little network load
3F	Mode change failure of DM860A.		Reset and update again.
50	Log-in to DPMS failed when firmware such as Sub CPU, DSP and PLD was rewritten.		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.		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.		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.		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.		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.		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.		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.		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.		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).		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).		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).		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).		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).		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.		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).		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).		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).		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.		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		Turn off and on the power. Updating starts automatically. Carry out the update in an environment that has little network load.

Device display during firmware update

Target of device when firmware updated.

Target of device	Display	Error cpde
Main		08~0C 10~15 22~24 36~3E
Sub		50~52 54~58 5A~62
Audio PLD		50~52 54~58 5A~62
DSP		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

3. How to update by USB Memory

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

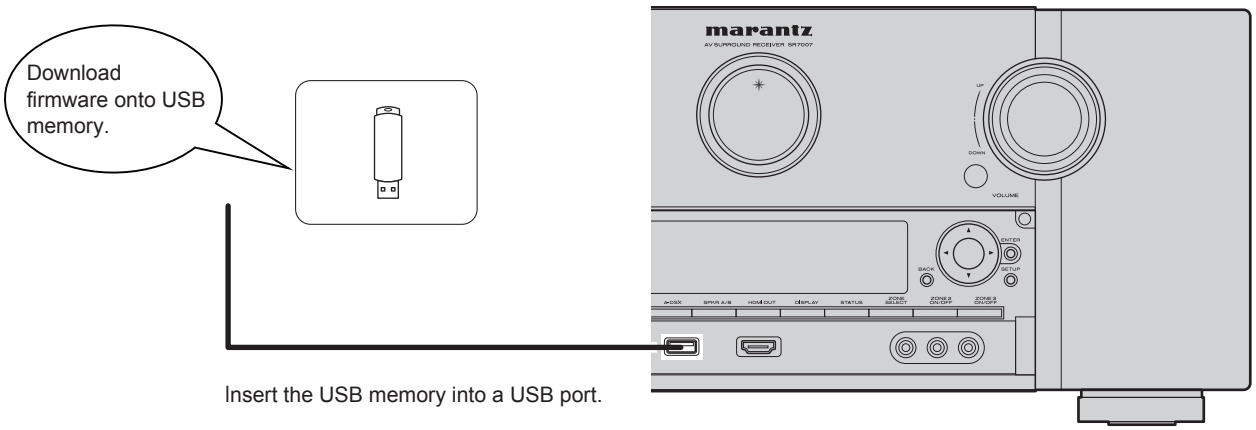
3.1. Connecting to the Network

(1) Requirements
- USB Memory capacity : FAT16 : 2 GB, FAT32 : 2 TB
- 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.
  This may cause radio interference.

Place the USB update File in an appropriate folder. The folder name should be the Product ID based on the Model name/area.

Model Name	Model Area	Product ID
AV7701	North America (U)	100100170100
	Europe (N)	100100170200
	China (K)	100100170500

(2) Setting



3.2. Download the firmware

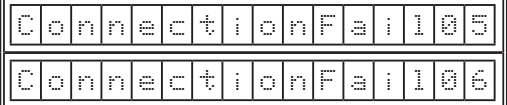
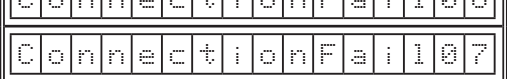
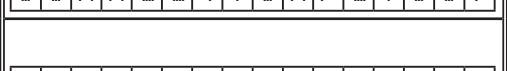
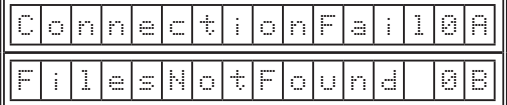
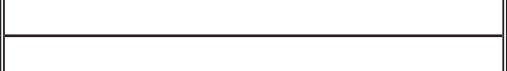
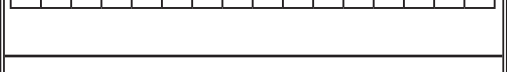
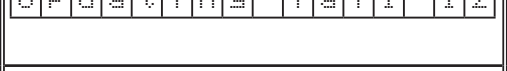
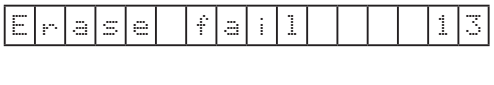
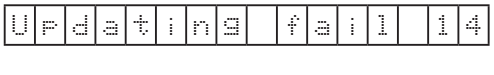
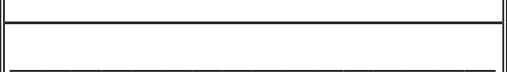
(1) While pressing the "STATUS" button and the "HDMI OUT" button at the same time, power on this unit.
(2) "USB Update Start" appears in the FL Display.
(3) Press the "ENTER" button. "UpdateFileCheck" appears in the FL Display and the Update of the Firmware starts.
(4) During the update, the power indicator lights in red and the GUI screen display disappears.
The remaining update time appears in the display on the main unit.
When the update is completed, "Updateing Complete" appears in the FL Display and then this unit returns to the normal state.
(5) Execute a initialization (Refer to 10 page).

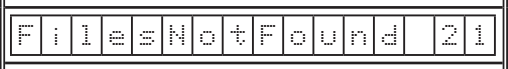
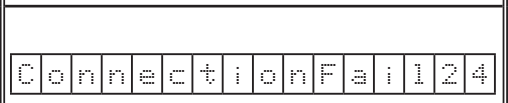
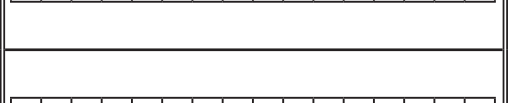
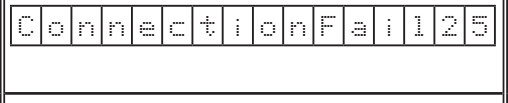
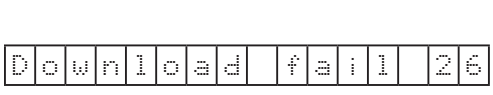
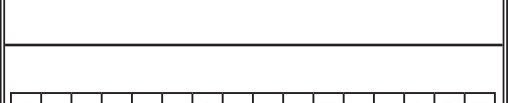
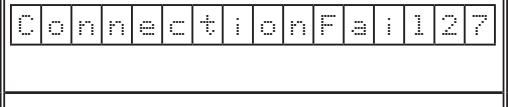
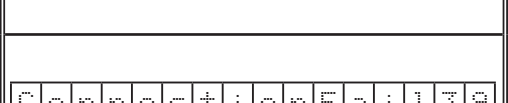
--- Cautions on Firmware Update ---

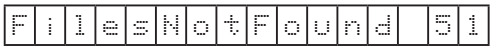
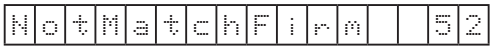
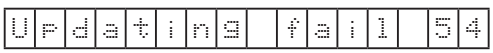
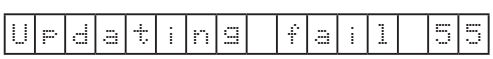
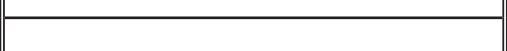
- Do not remove a USB memory until updating is completed.
- Do not turn off the power until updating is completed.
  Approximately 1 hour is required for the updating procedure to be completed.
  Once updating starts, normal operations on the this unit cannot be performed until updating is completed. 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.

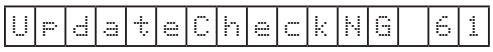
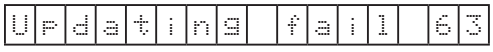
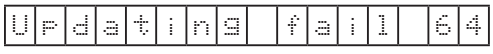
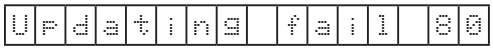
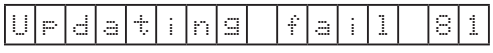
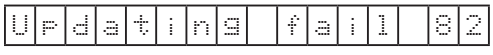
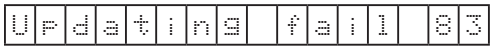
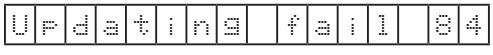
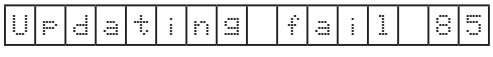
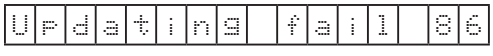
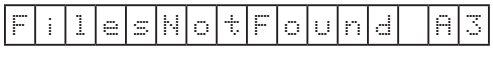
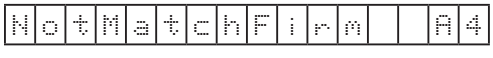
3.3. About the error code

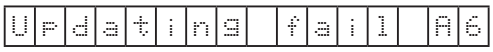
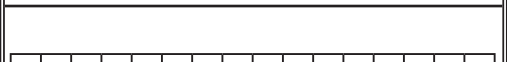
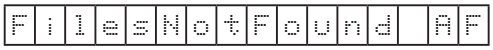
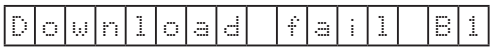
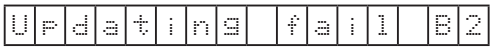
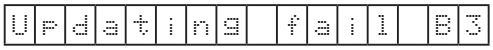
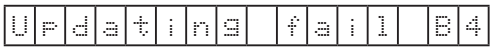
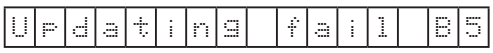
See the table below for error codes and details of faults when the firmware is updated through USB memory.

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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" button for five seconds.
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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" button for five seconds.
20	Unable to detect USB after SBLMode.		Disconnect and connect the USB memory.

Error Code	Details of Error code	Display	Coping strategies
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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" button for five seconds.
3B	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 "ON/ STANDBY (⏻)" button for five seconds.
3F	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 "ON/ STANDBY (⏻)" button for five seconds.
50	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 "ON/ STANDBY (⏻)" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
51	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 "ON/ STANDBY (⏻)" button for five seconds.
52	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 "ON/ STANDBY (⏻)" button for five seconds.
54	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 "ON/ STANDBY (⏻)" button for five seconds.
55	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 "ON/ STANDBY (⏻)" button for five seconds.
56	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 "ON/ STANDBY (⏻)" button for five seconds.
57	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 "ON/ STANDBY (⏻)" button for five seconds.
5A	Invalid DeviceID in response or no response from Sub for C 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 "ON/ STANDBY (⏻)" button for five seconds.
5B	NACK received in response or no response from Sub for L 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 "ON/ STANDBY (⏻)" button for five seconds.
5C	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 "ON/ STANDBY (⏻)" button for five seconds.
5D	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 "ON/ STANDBY (⏻)" button for five seconds.
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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" button for five seconds.
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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" button for five seconds.

Error Code	Details of Error code	Display	Coping strategies
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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" 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 "ON/ STANDBY (⏻)" button for five seconds.

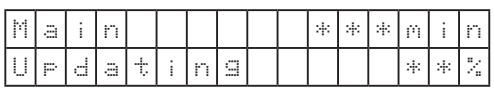
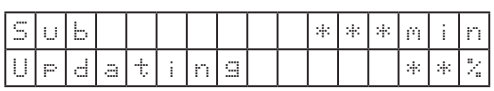
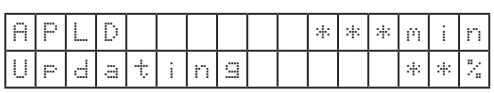
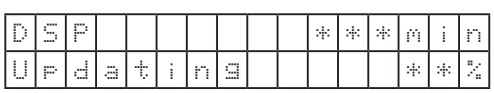
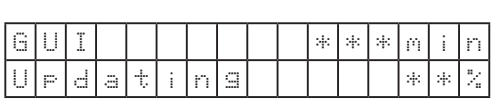
--- Cautions on Firmware Update ---

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.

3.4. Device display during firmware update

Display of target device during firmware update.

Target of device	Display	Error cpde
Main		08~0C 10~15 22~24 36~3E
Sub		50~52 54~58 5A~62
Audio PLD		50~52 54~58 5A~62
DSP		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**" (22 page).

This unit is equipped with a digital signal processing circuit that lets you play program sources in the sound mode to achieve the same sense of presence as in a movie theater.

Sound modes and surround parameters

This table shows the speakers that can be used in each sound mode and the surround parameters adjustable in each sound mode.

Symbols in the table

○ 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 (2channel)*1	○						◎*2
DIRECT/PURE DIRECT (Multi-channel)*1	○	◎	◎	◎*3	◎*3	◎*3	◎
STEREO	○						◎
MULTI CH IN	○	◎	◎	◎	◎*4		◎
DOLBY PRO LOGIC IIz	○	◎	◎		◎		◎
DOLBY PRO LOGIC IIx	○	◎	◎	◎			◎
DOLBY PRO LOGIC II	○	◎	◎				◎
DOLBY PRO LOGIC	○	◎	◎				◎
DOLBY PRO LOGIC II A-DSX	○	◎	◎		◎*5	◎*6	◎
DOLBY PRO LOGIC A-DSX	○	◎	◎		◎*5	◎*6	◎
DTS NEO:6	○	◎	◎	◎			◎
DTS NEO:6 A-DSX	○	◎	◎		◎*5	◎*6	◎
Audyssey DSX®	○	◎	◎		◎*5	◎*6	◎
DOLBY DIGITAL	○	◎	◎	◎	◎*4		◎
DOLBY DIGITAL Plus	○	◎	◎	◎	◎*4		◎
DOLBY TrueHD	○	◎	◎	◎	◎*4		◎
DTS SURROUND	○	◎	◎	◎	◎*4		◎
DTS 96/24	○	◎	◎	◎	◎*4		◎
DTS-HD	○	◎	◎	◎	◎*4		◎
DTS Express	○	◎	◎	◎	◎*4		◎
MULTI CH STEREO	○	◎	◎	◎*7	◎*8	◎*9	◎
VIRTUAL	○						◎

*1 During playback in PURE DIRECT mode, the surround parameters are the same as in DIRECT mode.
*2 Only when "Subwoofer Mode" is set to "LFE+Main", sound is output from the subwoofer.
*3 A signal for each channel contained in an input signal is output as audio.
*4 Audio is output from the front height speaker when the set sound mode name contains "+PLIIz". For information on how to check the sound mode, see.
*5 Audio is output from the front height speaker when "Audyssey DSX®" is set to "On-Height-".
*6 Audio is output from the front wide speaker when "Audyssey DSX®" is set to "On-Wide-".
*7 Audio is output from the surround back speaker when "Speaker Select" is set to "S. Back".
*8 Audio is output from the front height speaker when "Speaker Select" is set to "F. Height".
*9 Audio is output from the front wide speaker when "Speaker Select" is set to "F. Wide".

Sound Mode	Surround Parameter									
	Home Theater EQ ∗10	Loudness Management ∗11	Dynamic Compression ∗12	Low Frequency Effects ∗13	Height Gain ∗14	Speaker Select	PRO LOGIC II/IIx Music mode only			NEO:6 Music mode only
							Panorama	Dimension	Center Width	Center Image
DIRECT/PURE DIRECT (2channel)∗1		○	○							
DIRECT/PURE DIRECT (Multi-channel)∗1		○	○	○						
STEREO		○	○	○						
MULTI CH IN	○∗15			○	○					
DOLBY PRO LOGIC IIz	○	○	○		○					
DOLBY PRO LOGIC IIx	○∗16	○	○				○	○	○	
DOLBY PRO LOGIC II	○∗17	○	○				○	○	○	
DOLBY PRO LOGIC	○∗17	○	○							
DOLBY PRO LOGIC II A-DSX	○∗17	○	○				○	○	○	
DOLBY PRO LOGIC A-DSX	○∗17	○	○				○	○	○	
DTS NEO:6	○∗16	○	○							○
DTS NEO:6 A-DSX	○∗16	○	○							○
Audyssey DSX®	○	○	○	○						
DOLBY DIGITAL	○∗15		○	○	○					
DOLBY DIGITAL Plus	○∗15		○	○	○					
DOLBY TrueHD	○∗15	○	○	○	○					
DTS SURROUND	○∗15		○	○	○					
DTS 96/24	○∗15			○	○					
DTS-HD	○∗15			○	○					
DTS Express	○∗15			○	○					
MULTI CH STEREO		○	○	○		○				
VIRTUAL		○	○	○						

∗1 During playback in PURE DIRECT mode, the surround parameters are the same as in DIRECT mode.
∗10 This item cannot be selected during DSD (SA-CD signal playback.
∗11 This item can be selected when a Dolby TrueHD signal is played.
∗12 This item can be selected when a Dolby Digital or DTS signal is played.
∗13 This item can be selected when a Dolby Digital or DTS signal or DVD-Audio is played.
∗14 This setting is available when the set sound mode name contains "+PLIIz". For information on how to check the sound mode, see.
∗15 This setting is unavailable when the set sound mode name contains "+PLIIx Music". For information on how to check the sound mode, see.
∗16 This setting is possible when the sound mode is "PLIIx Movie" or "DTS NEO:6 Cinema".
∗17 This setting is possible when the sound mode is "PLII Movie".

Sound Mode	Subwoofer	Tone ∗18	Audyssey				M-DAX ∗21
			MultEQ® XT ∗19	Dynamic EQ ∗20	Dynamic Volume ∗20	Audyssey DSX® ∗19	
DIRECT/PURE DIRECT (2channel)∗1	○∗5						
DIRECT/PURE DIRECT (Multi-channel)∗1	○						
STEREO		○	○	○	○		○
MULTI CH IN	○	○	○	○	○	○	
DOLBY PRO LOGIC IIz	○	○	○	○	○		○
DOLBY PRO LOGIC IIx	○	○	○	○	○	○	○
DOLBY PRO LOGIC II	○	○	○	○	○	○	○
DOLBY PRO LOGIC	○	○	○	○	○	○	○
DOLBY PRO LOGIC II A-DSX	○	○	○	○	○	○	○
DOLBY PRO LOGIC A-DSX	○	○	○	○	○	○	○
DTS NEO:6	○	○	○	○	○	○	○
DTS NEO:6 A-DSX	○	○	○	○	○	○	○
Audyssey DSX®	○	○	○	○	○	○	
DOLBY DIGITAL	○	○	○	○	○	○	
DOLBY DIGITAL Plus	○	○	○	○	○	○	
DOLBY TrueHD	○	○	○	○	○	○	
DTS SURROUND	○	○	○	○	○	○	
DTS 96/24	○	○	○	○	○	○	
DTS-HD	○	○	○	○	○	○	
DTS Express	○	○	○	○	○	○	
MULTI CH STEREO	○	○	○	○	○		○
VIRTUAL	○	○	○	○	○		○

∗1 During playback in PURE DIRECT mode, the surround parameters are the same as in DIRECT mode.
∗5 Only when "Subwoofer Mode" is set to "LFE+Main", sound is output from the subwoofer.
∗18 This item cannot be set when "Dynamic EQ" is set to "On".
∗19 This item cannot be set for HD audio exceeding a frequency of 96kHz or during DSD(SA-CD) signal playback.
∗20 This item cannot be set when "MultEQ® XT" is set to "Off" or "Graphic EQ".
∗21 This item can be set when the input signal is analog, PCM 48 kHz or 44.1 kHz.
∗22 In this sound mode, bass is +6 dB, and treble is +4 dB (Default).

❑ Types of input signals, and corresponding sound modes

This table shows the input signal that can be played in each sound mode. Check the audio signal of the input source then select the sound mode.

Symbols in the table

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

Sound Mode	NOTE	Input signal types and formats																	
		ANALOG	PCM		DTS-HD		DTS					DOLBY		DOLBY DIGITAL				Super Audio CD	
			PCM (multi ch)	PCM (2ch)	DTS-HD Master Audio	DTS-HD High Resolution Audio	DTS EXPRESS	DTS ES DSCRT (With Flag)	DTS ES MTRX (With Flag)	DTS (5.1ch)	DTS 96/24	DOLBY TrueHD	DOLBY DIGITAL Plus	DOLBY DIGITAL EX (With Flag)	DOLBY DIGITAL EX (With no Flag)	DOLBY DIGITAL (5.1ch)	DOLBY DIGITAL (2ch)	DSD (multi ch)	DSD (2ch)
DTS SURROUND																			
DTS-HD MSTR	∗1				●														
DTS-HD HI RES	∗1					●													
DTS ES DSCRT6.1	∗2							●											
DTS ES MTRX6.1	∗2								●										
DTS SURROUND	∗1							○	○	●									
DTS 96/24	∗1										●								
DTS (–HD) + PLIIx MOVIE	∗3				○	○	○			○	○								
DTS (–HD) + PLIIx MUSIC	∗2				○	○	○			○	○								
DTS (–HD) + PLIIz	∗4				○	○	○	○	○	○	○								
DTS EXPRESS	∗1						●												
DTS (–HD) + NEO:6	∗2				○	○	○			○	○								
DTS NEO:6 CINEMA	∗1	○		○													○		○
DTS NEO:6 MUSIC	∗1	○		○													○		○
DTS NEO:6 CINEMA A-DSX		○		○													○		
DTS NEO:6 MUSIC A-DSX		○		○													○		
Audyssey DSX®					○	○	○	○	○	○	○								

∗1 If “Audyssey DSX®” is set to “On”, the Audyssey DSX® effect is added to the sound mode marked with ∗1.
∗2 If “Speaker Config.” – “Surr. Back” is set to “None”, this sound mode cannot be selected.
∗3 If “Speaker Config.” – “Surr. Back” is set to “1spkr” or “None”, this sound mode cannot be selected.
∗4 If “Speaker Config.” – “Front Height” is set to “None”, this sound mode cannot be selected.

Sound Mode	NOTE	Input signal types and formats																	
		ANALOG	PCM		DTS-HD		DTS					DOLBY		DOLBY DIGITAL				Super Audio CD	
			PCM (multi ch)	PCM (2ch)	DTS-HD Master Audio	DTS-HD High Resolution Audio	DTS EXPRESS	DTS ES DSCRT (With Flag)	DTS ES MTRX (With Flag)	DTS (5.1ch)	DTS 96/24	DOLBY TrueHD	DOLBY DIGITAL Plus	DOLBY DIGITAL EX (With Flag)	DOLBY DIGITAL EX (With no Flag)	DOLBY DIGITAL (5.1ch)	DOLBY DIGITAL (2ch)	DSD (multi ch)	DSD (2ch)
DOLBY SURROUND																			
DOLBY TrueHD	∗1											●							
DOLBY DIGITAL+	∗1												●						
DOLBY DIGITAL EX	∗2													○	○	○			
DOLBY (D+) (HD) +EX	∗2											○	○						
DOLBY DIGITAL	∗1													●	●	●			
DOLBY (D) (D+) (HD) +PLIIx MOVIE	∗3											○	○	○	○	○			
DOLBY (D) (D+) (HD) +PLIIx MUSIC	∗2											○	○	○	○	○			
DOLBY (D) (D+) (HD) +PLIIz	∗4											○	○	○	○	○			
DOLBY PRO LOGIC IIx MOVIE	∗2	○		○													○		○
DOLBY PRO LOGIC IIx MUSIC	∗2	○		○													○		○
DOLBY PRO LOGIC IIx GAME	∗2	○		○													○		○
DOLBY PRO LOGIC IIz	∗4	○		○													○		○
DOLBY PRO LOGIC II MOVIE	∗1	○		○													○		○
DOLBY PRO LOGIC II MUSIC	∗1	○		○													○		○
DOLBY PRO LOGIC II GAME	∗1	○		○													○		○
DOLBY PRO LOGIC	∗1	○		○													○		○
DOLBY PRO LOGIC II MOVIE A-DSX		○		○													○		
DOLBY PRO LOGIC II MUSIC A-DSX		○		○													○		
DOLBY PRO LOGIC II GAME A-DSX		○		○													○		
DOLBY PRO LOGIC A-DSX		○		○													○		
Audyssey DSX®												○	○	○	○	○			

∗1 If “Audyssey DSX®” is set to “On”, the Audyssey DSX® effect is added to the sound mode marked with ∗1.
∗2 If “Speaker Config.” – “Surr. Back” is set to “None”, this sound mode cannot be selected.
∗3 If “Speaker Config.” – “Surr. Back” is set to “1spkr” or “None”, this sound mode cannot be selected.
∗4 If “Speaker Config.” – “Front Height” is set to “None”, this sound mode cannot be selected.

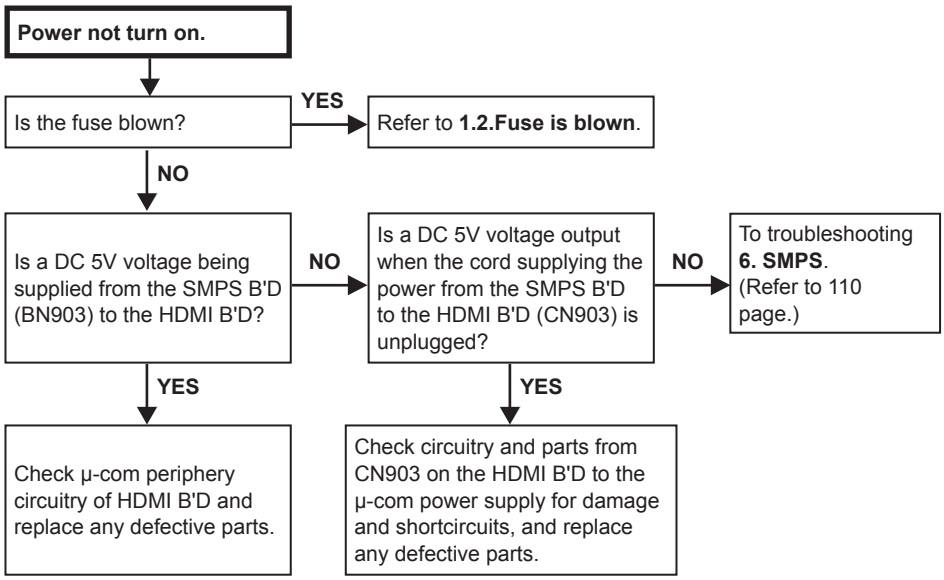
Sound Mode (☞page <OV>)	NOTE	Input signal types and formats																		
		ANALOG	PCM		DTS-HD		DTS					DOLBY		DOLBY DIGITAL				Super Audio CD	
			PCM (multi ch)	PCM (2ch)	DTS-HD Master Audio	DTS-HD High Resolution Audio	DTS EXPRESS	DTS ES DSCRT (With Flag)	DTS ES MTRX (With Flag)	DTS (5.1ch)	DTS 96/24	DOLBY TrueHD	DOLBY DIGITAL Plus	DOLBY DIGITAL EX (With Flag)	DOLBY DIGITAL EX (With no Flag)	DOLBY DIGITAL (5.1ch)	DOLBY DIGITAL (2ch)	DSD (multi ch)	DSD (2ch)
MULTI CH IN																				
MULTI CH IN	∗1		●															○	
MULTI CH IN + PLⅡx MOVIE	∗3		○															○	
MULTI CH IN + PLⅡx MUSIC	∗2		○															○	
MULTI CH IN + PLⅡz	∗4		○															○	
MULTI CH IN + Dolby EX	∗2		○															○	
MULTI CH IN 7.1	∗2		● (7.1)																
Audyssey DSX®			○																
DIRECT																				
DIRECT		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
PURE DIRECT																				
PURE DIRECT		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Original surround mode																				
MULTI CH STEREO		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
VIRTUAL		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
STEREO																				
STEREO		●	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

∗1 If “Audyssey DSX®” is set to “On”, the Audyssey DSX® effect is added to the sound mode marked with ∗1.
∗2 If “Speaker Config.” – “Surr. Back” is set to “None”, this sound mode cannot be selected.
∗3 If “Speaker Config.” – “Surr. Back” is set to “1spkr” or “None”, this sound mode cannot be selected.
∗4 If “Speaker Config.” – “Front Height” is set to “None”, this sound mode cannot be selected.

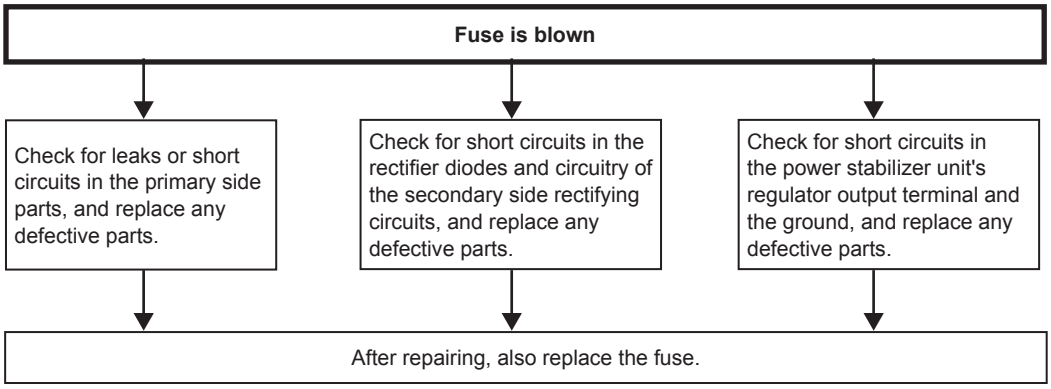
TROUBLE SHOOTING

1. POWER

1.1. Power not turn on



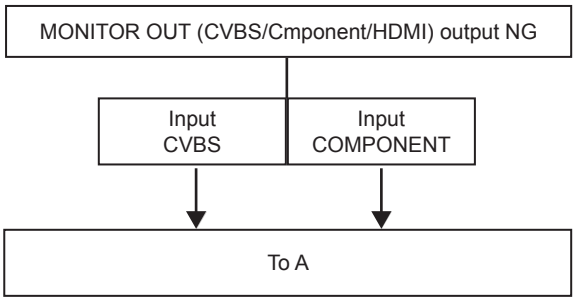
1.2. Fuse is blown

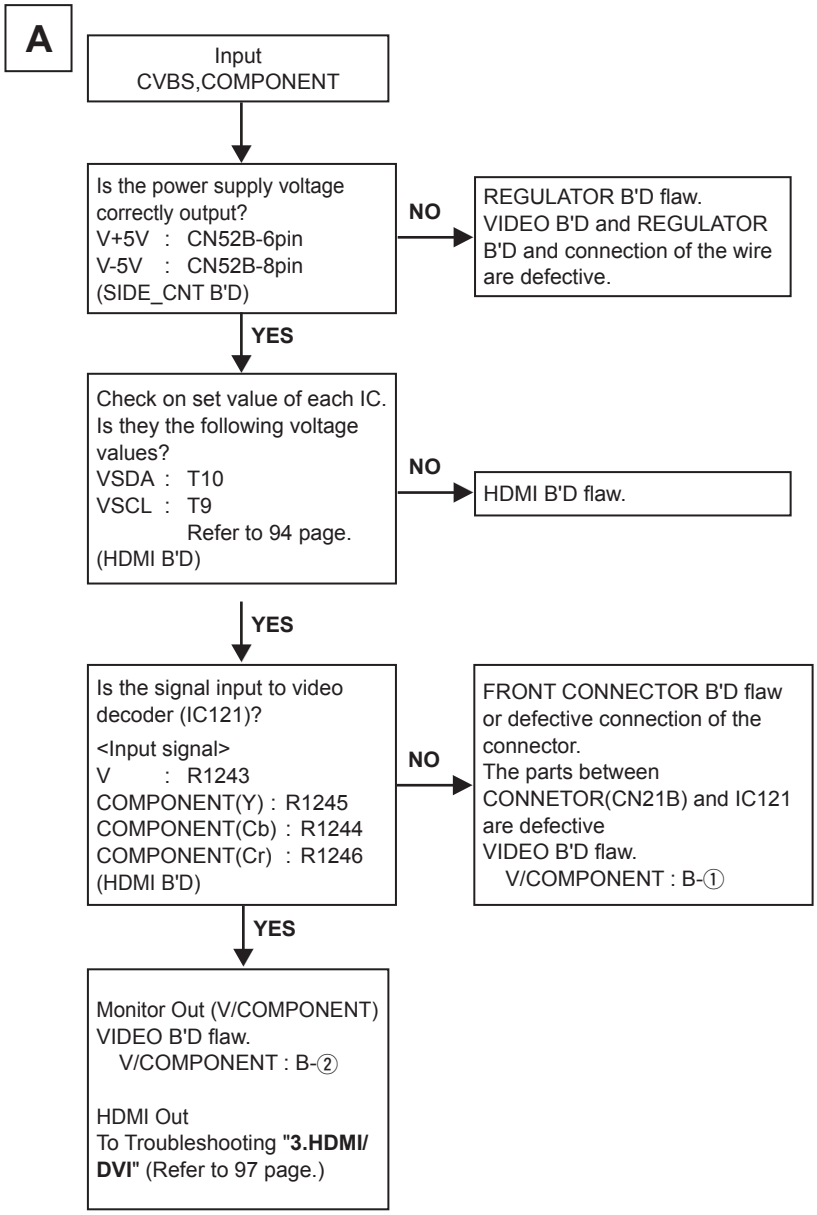


2. Analog video

Perform the operation below beforehand.

※ Check that the connection cable and the Monitor are normal.
※ Set VIDEO CONVERT ON.
※ Set COMPONENT signal to 480i.
※ Set Function to the following.
V : SAT
COMPONENT : SAT




A
Input
CVBS,COMPONENT
Is the power supply voltage correctly output?
V+5V : CN52B-6pin
V-5V : CN52B-8pin
(SIDE_CNT B'D)
NO
REGULATOR B'D flaw.
VIDEO B'D and REGULATOR B'D and connection of the wire are defective.
YES
Check on set value of each IC.
Is they the following voltage values?
VSDA : T10
VSCL : T9
Refer to 94 page.
(HDMI B'D)
NO
HDMI B'D flaw.
YES
Is the signal input to video decoder (IC121)?
<Input signal>
V : R1243
COMPONENT(Y) : R1245
COMPONENT(Cb) : R1244
COMPONENT(Cr) : R1246
(HDMI B'D)
NO
FRONT CONNECTOR B'D flaw or defective connection of the connector.
The parts between CONNETOR(CN21B) and IC121 are defective
VIDEO B'D flaw.
V/COMPONENT : B-①
YES
Monitor Out (V/COMPONENT)
VIDEO B'D flaw.
V/COMPONENT : B-②
HDMI Out
To Troubleshooting "3.HDMI/DVI" (Refer to 97 page.)

B

VIDEO B'D flaw.

↓

Extend HDMI B'D using a jig.

↓

① Is the signal input to IC511(AVDM-2000)?
V : J5004
COMPONENT(Y) : J5010
COMPONENT(Cb) : J5007
COMPONENT(Cr) : J5040
(VIDEO B'D)

NO → The parts between IC511 is defective.

YES ↓

② Is the signal output from IC511(AVDM-2000)?

	To Moitor	To HDMI out
V :	J5003	CN51B 11pin
COMPONENT(Y) :	J5024	CN51B 9pin
COMPONENT(Cb) :	J5028	CN51B 7pin
COMPONENT(Cr) :	J5029	CN51B 5pin

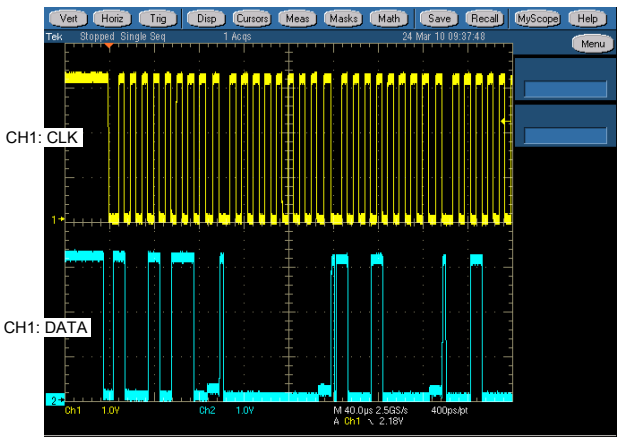
NO → The soldering (IC511) is defective.

YES ↓

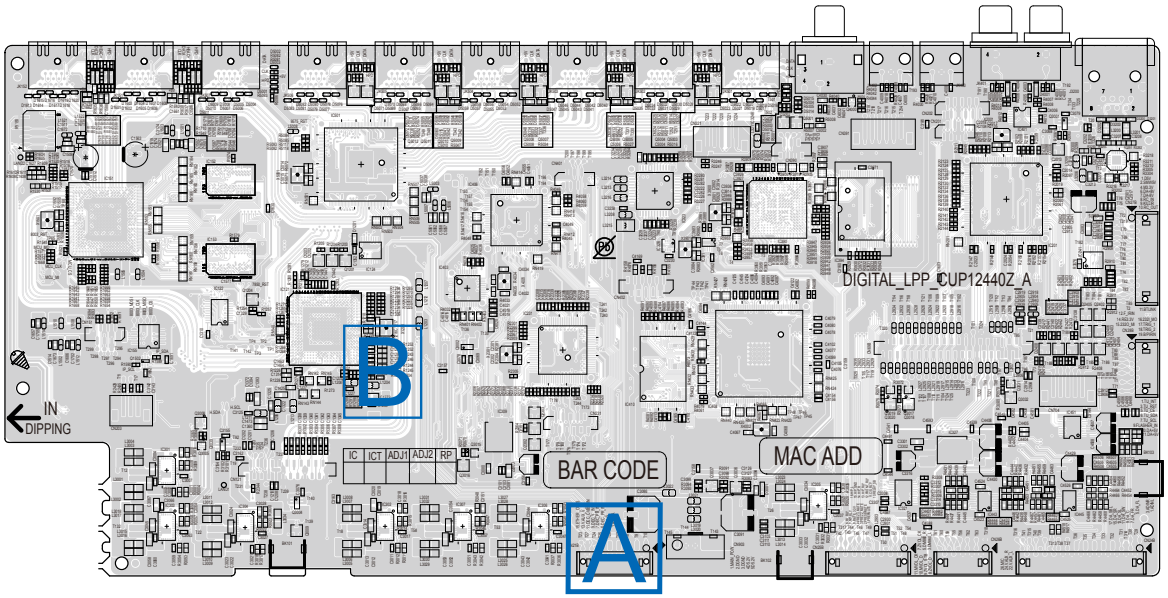
Monitor Out (V/Component)
The pattern between IC511 and JK511 or JK513 are defective.

HDMI Out
Connection of VIDEO B'D and FRONT CNT B'D, or connection of HDMI B'D and FRONT CNT B'D is defective.

I2C communication wave form

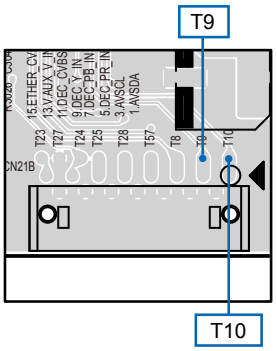


HDMI test point

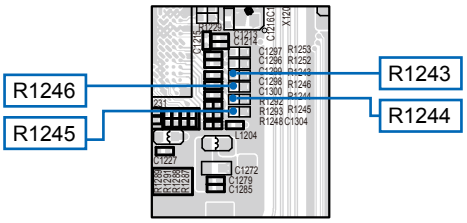


(COMPONENT SIDE)

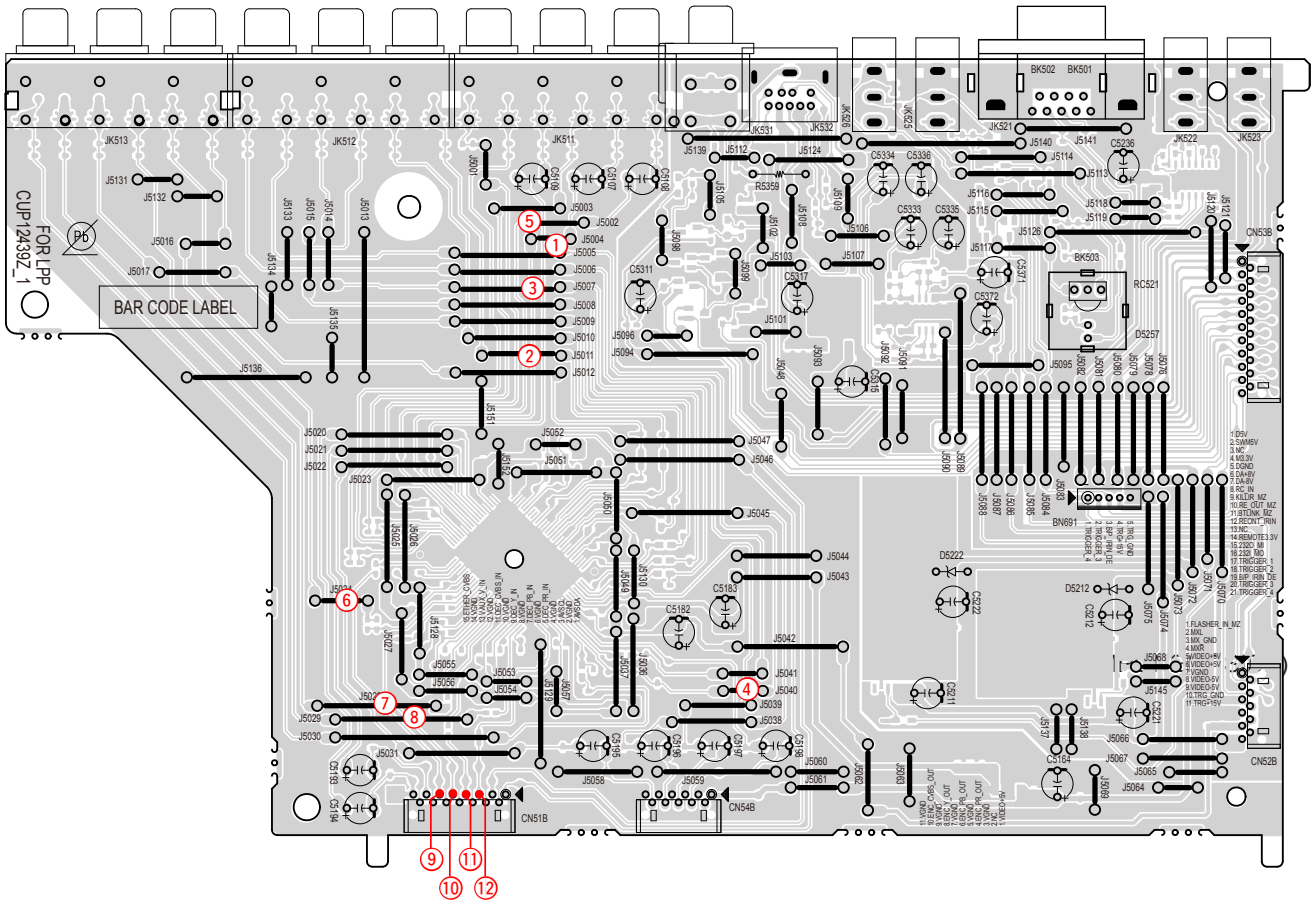
Detail A



Detail B



VIDEO test point

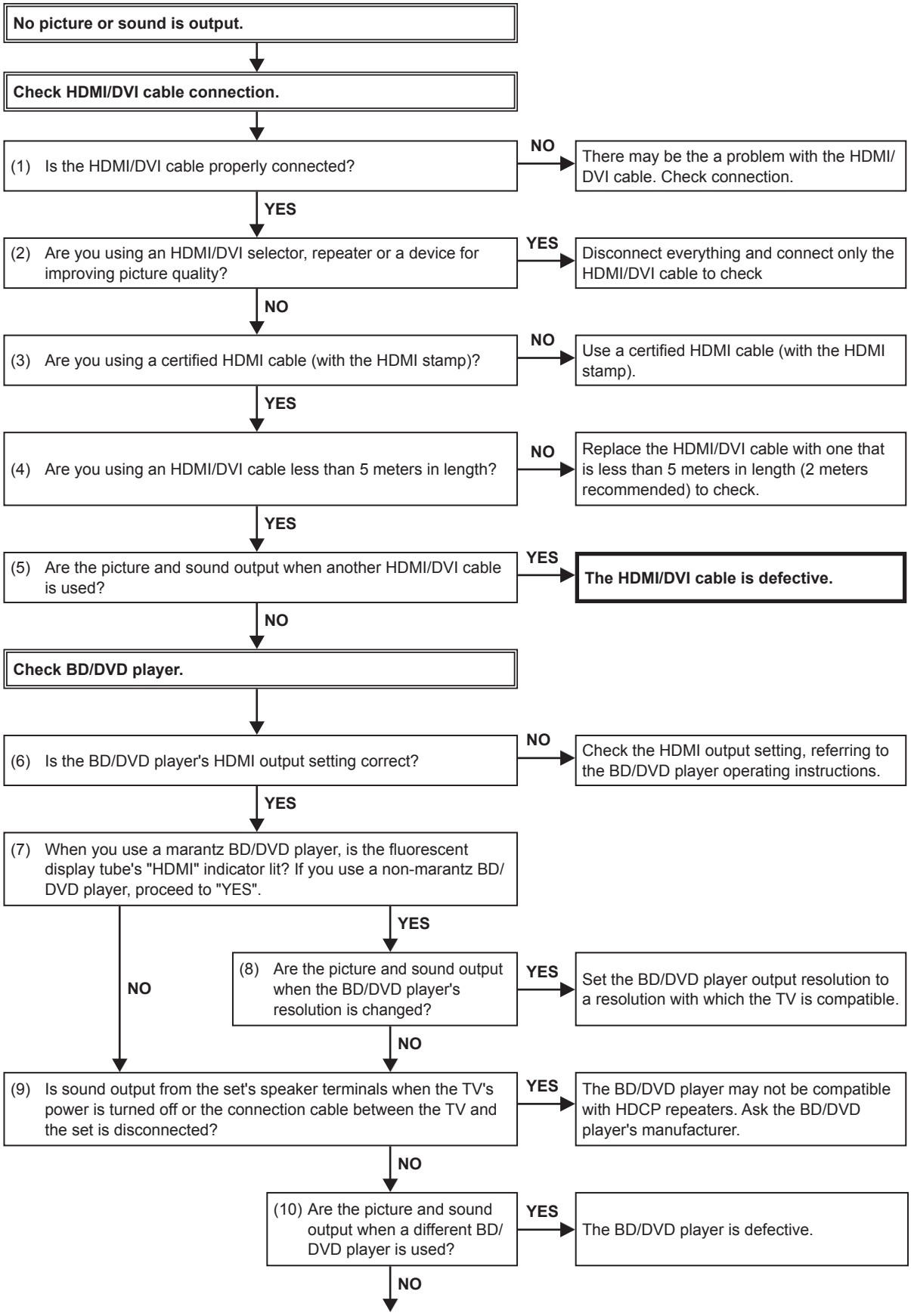


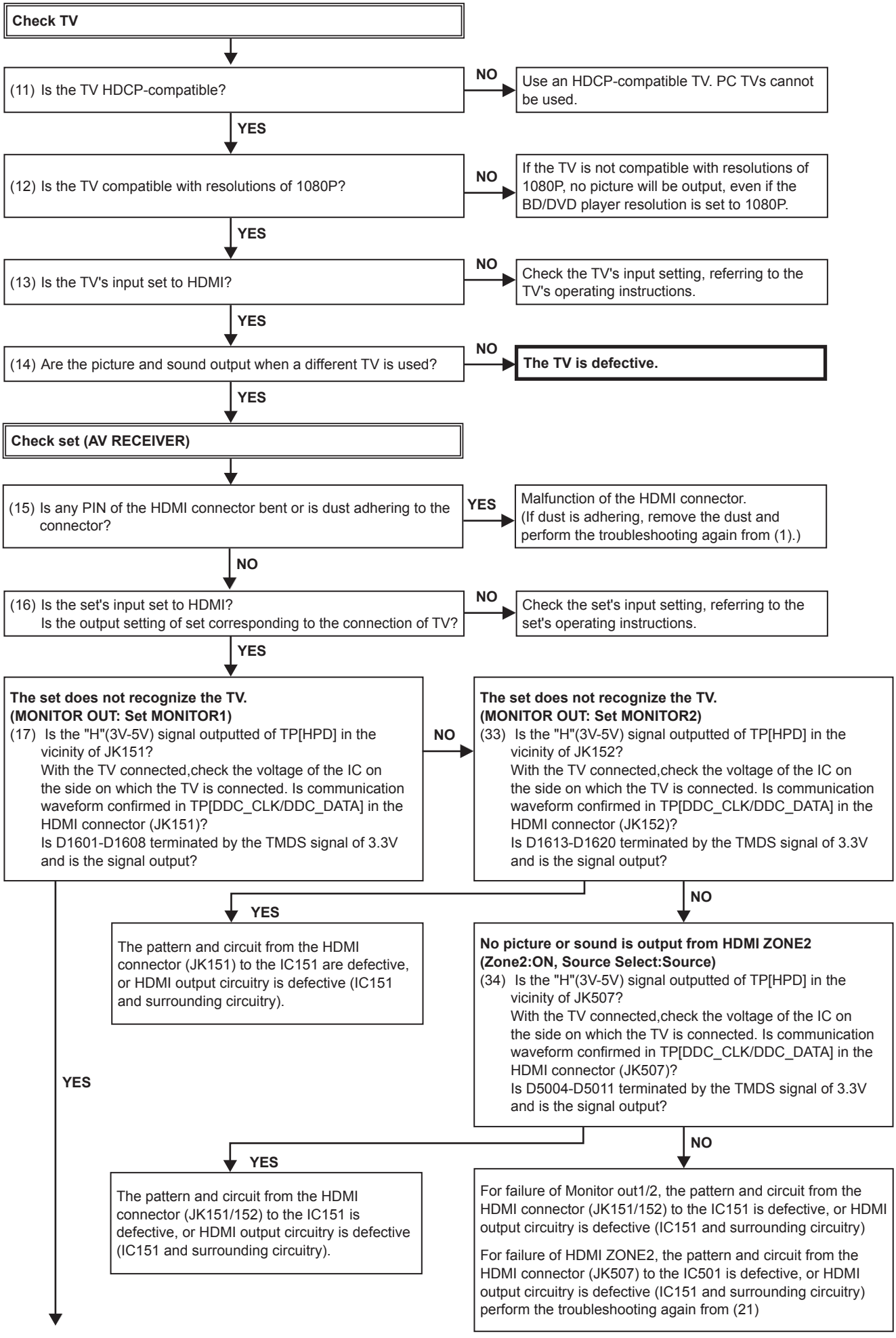
(COMPONENT SIDE)

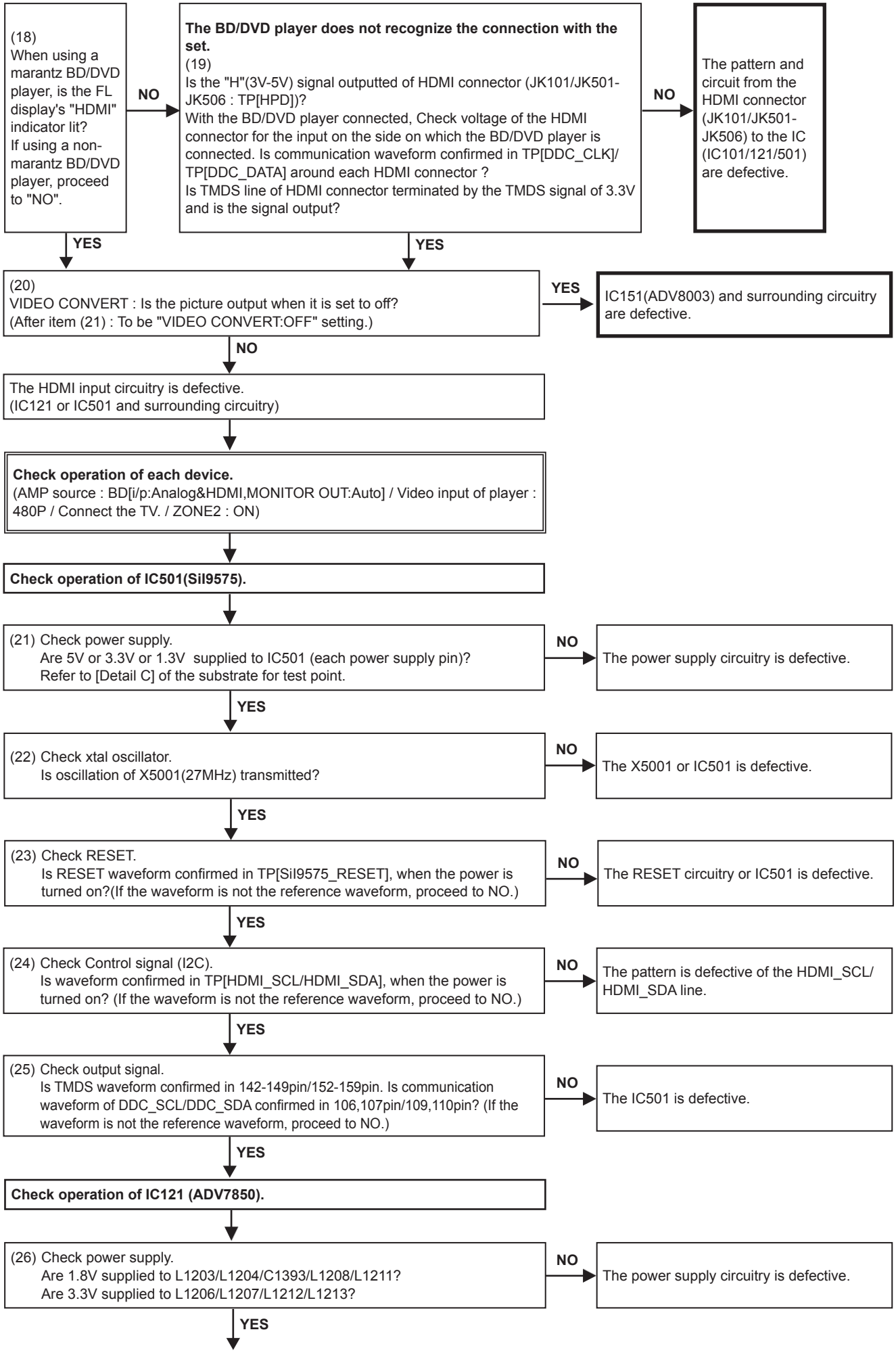
No.	Ref. No.
1	J5004
2	J5010
3	J5007
4	J5040
5	J5003
6	J5024
7	J5028
8	J5029
9	CN51B 11pin
10	CN51B 9pin
11	CN51B 7pin
12	CN51B 5pin

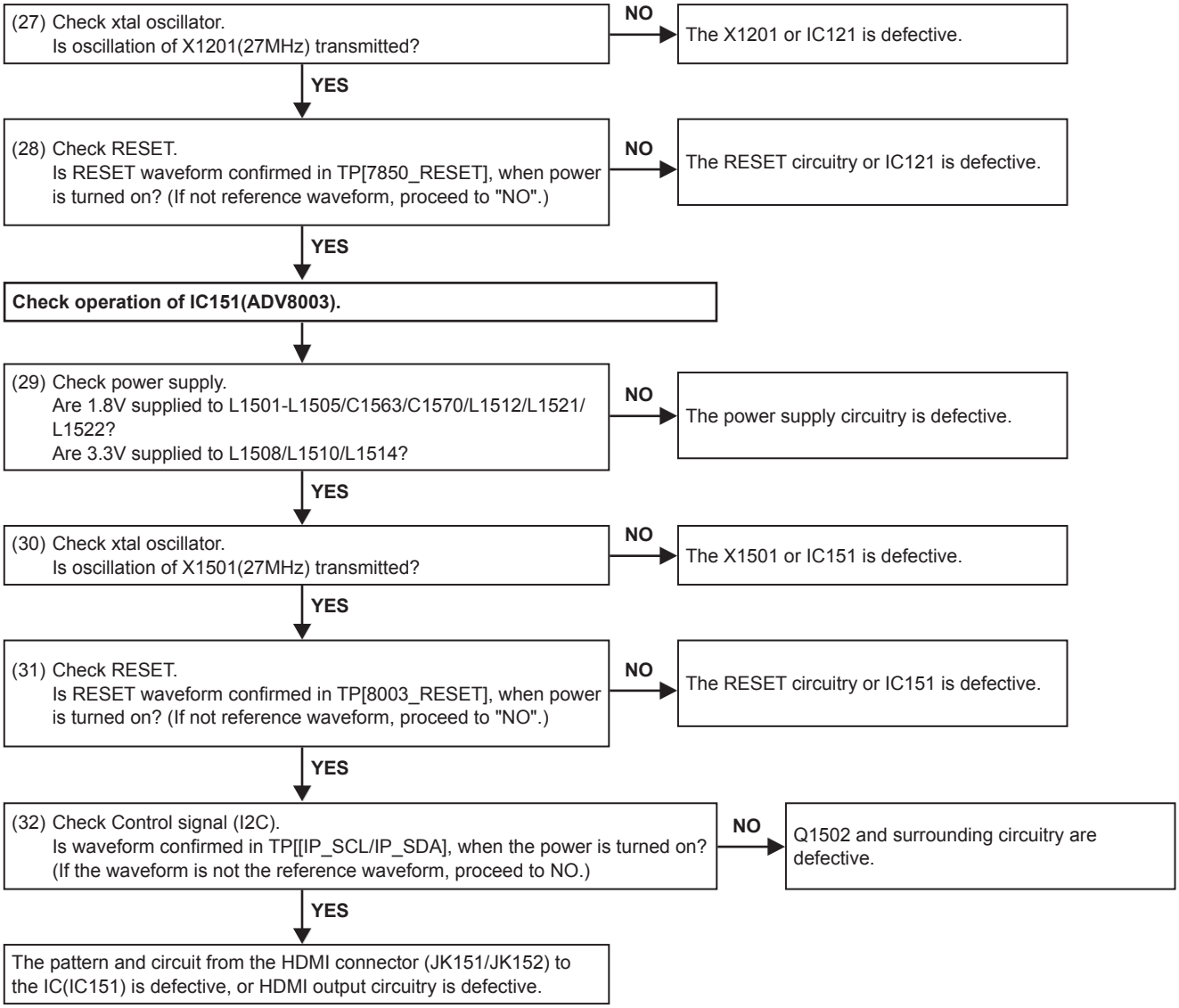
3. HDMI/DVI

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

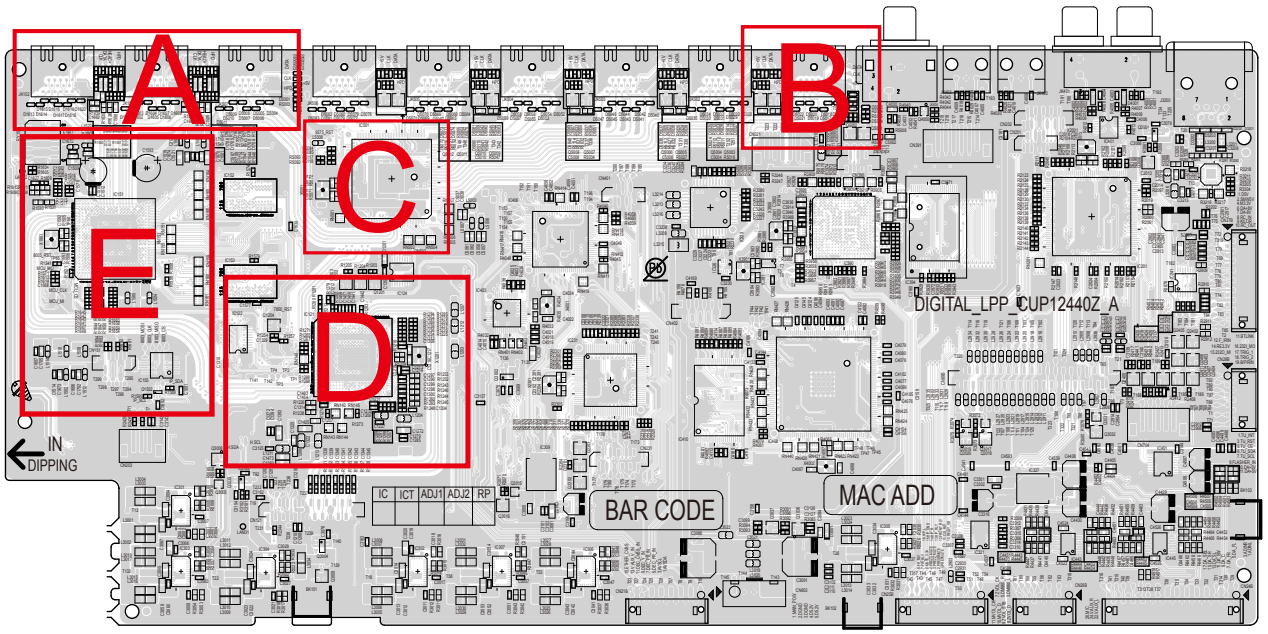



Check TV
(11) Is the TV HDCP-compatible?
NO
Use an HDCP-compatible TV. PC TVs cannot be used.
YES
(12) Is the TV compatible with resolutions of 1080P?
NO
If the TV is not compatible with resolutions of 1080P, no picture will be output, even if the BD/DVD player resolution is set to 1080P.
YES
(13) Is 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)
(15) Is any PIN of the HDMI connector bent or is dust adhering to the connector?
YES
Malfunction of the HDMI connector.
(If dust is adhering, remove the dust and perform the troubleshooting again from (1).)
NO
(16) Is the set's input set to HDMI?
Is the output setting of set corresponding to the connection of TV?
NO
Check the set's input setting, referring to the set's operating instructions.
YES
The set does not recognize the TV.
(MONITOR OUT: Set MONITOR1)
(17) Is the "H"(3V-5V) signal outputted of TP[HPD] in the vicinity of JK151?
With the TV connected,check the voltage of the IC on the side on which the TV is connected. Is communication waveform confirmed in TP[DDC_CLK/DDC_DATA] in the HDMI connector (JK151)?
Is D1601-D1608 terminated by the TMDS signal of 3.3V and is the signal output?
NO
The set does not recognize the TV.
(MONITOR OUT: Set MONITOR2)
(33) Is the "H"(3V-5V) signal outputted of TP[HPD] in the vicinity of JK152?
With the TV connected,check the voltage of the IC on the side on which the TV is connected. Is communication waveform confirmed in TP[DDC_CLK/DDC_DATA] in the HDMI connector (JK152)?
Is D1613-D1620 terminated by the TMDS signal of 3.3V and is the signal output?
YES
The pattern and circuit from the HDMI connector (JK151) to the IC151 are defective, or HDMI output circuitry is defective (IC151 and surrounding circuitry).
NO
No picture or sound is output from HDMI ZONE2
(Zone2:ON, Source Select:Source)
(34) Is the "H"(3V-5V) signal outputted of TP[HPD] in the vicinity of JK507?
With the TV connected,check the voltage of the IC on the side on which the TV is connected. Is communication waveform confirmed in TP[DDC_CLK/DDC_DATA] in the HDMI connector (JK507)?
Is D5004-D5011 terminated by the TMDS signal of 3.3V and is the signal output?
YES
The pattern and circuit from the HDMI connector (JK151/152) to the IC151 is defective, or HDMI output circuitry is defective (IC151 and surrounding circuitry).
NO
For failure of Monitor out1/2, the pattern and circuit from the HDMI connector (JK151/152) to the IC151 is defective, or HDMI output circuitry is defective (IC151 and surrounding circuitry)
For failure of HDMI ZONE2, the pattern and circuit from the HDMI connector (JK507) to the IC501 is defective, or HDMI output circuitry is defective (IC151 and surrounding circuitry) perform the troubleshooting again from (21)
YES


(18)
When using a marantz BD/DVD player, is the FL display's "HDMI" indicator lit?
If using a non-marantz BD/DVD player, proceed to "NO".
NO
The BD/DVD player does not recognize the connection with the set.
(19)
Is the "H"(3V-5V) signal outputted of HDMI connector (JK101/JK501-JK506 : TP[HPD])?
With the BD/DVD player connected, Check voltage of the HDMI connector for the input on the side on which the BD/DVD player is connected. Is communication waveform confirmed in TP[DDC_CLK]/TP[DDC_DATA] around each HDMI connector ?
Is TMDS line of HDMI connector terminated by the TMDS signal of 3.3V and is the signal output?
NO
The pattern and circuit from the HDMI connector (JK101/JK501-JK506) to the IC (IC101/121/501) are defective.
YES
YES
(20)
VIDEO CONVERT : Is the picture output when it is set to off?
(After item (21) : To be "VIDEO CONVERT:OFF" setting.)
YES
IC151(ADV8003) and surrounding circuitry are defective.
NO
The HDMI input circuitry is defective.
(IC121 or IC501 and surrounding circuitry)
Check operation of each device.
(AMP source : BD[i/p:Analog&HDMI,MONITOR OUT:Auto] / Video input of player : 480P / Connect the TV. / ZONE2 : ON)
Check operation of IC501(Sil9575).
(21) Check power supply.
Are 5V or 3.3V or 1.3V supplied to IC501 (each power supply pin)?
Refer to [Detail C] of the substrate for test point.
NO
The power supply circuitry is defective.
YES
(22) Check xtal oscillator.
Is oscillation of X5001(27MHz) transmitted?
NO
The X5001 or IC501 is defective.
YES
(23) Check RESET.
Is RESET waveform confirmed in TP[Sil9575_RESET], when the power is turned on?(If the waveform is not the reference waveform, proceed to NO.)
NO
The RESET circuitry or IC501 is defective.
YES
(24) Check Control signal (I2C).
Is waveform confirmed in TP[HDMI_SCL/HDMI_SDA], when the power is turned on? (If the waveform is not the reference waveform, proceed to NO.)
NO
The pattern is defective of the HDMI_SCL/HDMI_SDA line.
YES
(25) Check output signal.
Is TMDS waveform confirmed in 142-149pin/152-159pin. Is communication waveform of DDC_SCL/DDC_SDA confirmed in 106,107pin/109,110pin? (If the waveform is not the reference waveform, proceed to NO.)
NO
The IC501 is defective.
YES
Check operation of IC121 (ADV7850).
(26) Check power supply.
Are 1.8V supplied to L1203/L1204/C1393/L1208/L1211?
Are 3.3V supplied to L1206/L1207/L1212/L1213?
NO
The power supply circuitry is defective.
YES

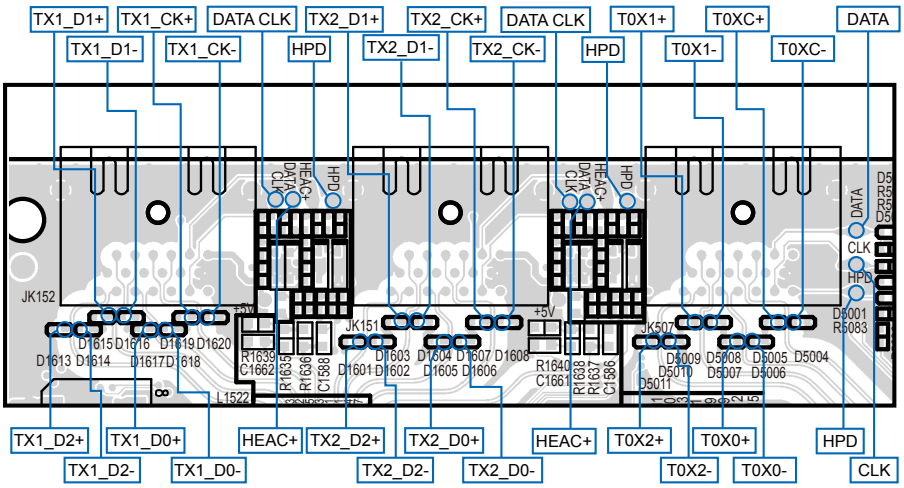

(27) Check xtal oscillator.
Is oscillation of X1201(27MHz) transmitted?
NO
The X1201 or IC121 is defective.
YES
(28) Check RESET.
Is RESET waveform confirmed in TP[7850_RESET], when power is turned on? (If not reference waveform, proceed to "NO".)
NO
The RESET circuitry or IC121 is defective.
YES
Check operation of IC151(ADV8003).
(29) Check power supply.
Are 1.8V supplied to L1501-L1505/C1563/C1570/L1512/L1521/ L1522?
Are 3.3V supplied to L1508/L1510/L1514?
NO
The power supply circuitry is defective.
YES
(30) Check xtal oscillator.
Is oscillation of X1501(27MHz) transmitted?
NO
The X1501 or IC151 is defective.
YES
(31) Check RESET.
Is RESET waveform confirmed in TP[8003_RESET], when power is turned on? (If not reference waveform, proceed to "NO".)
NO
The RESET circuitry or IC151 is defective.
YES
(32) Check Control signal (I2C).
Is waveform confirmed in TP[[IP_SCL/IP_SDA], when the power is turned on? (If the waveform is not the reference waveform, proceed to NO.)
NO
Q1502 and surrounding circuitry are defective.
YES
The pattern and circuit from the HDMI connector (JK151/JK152) to the IC(IC151) is defective, or HDMI output circuitry is defective.

3.2. HDMI test point and waveforms

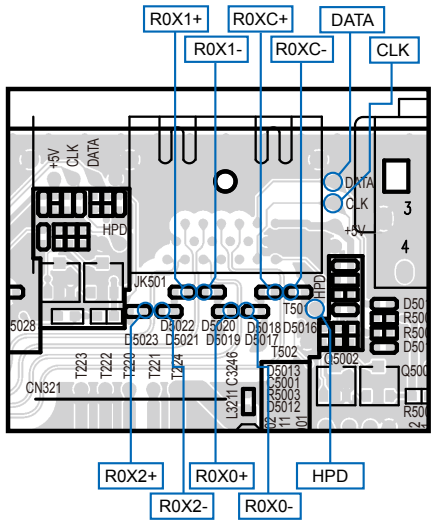


DIGITAL (COMPONENT SIDE)

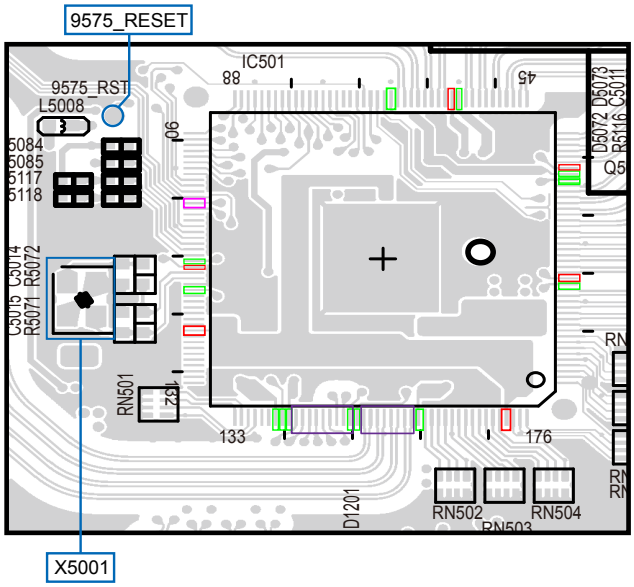
Detail A



Detail B



Detail C



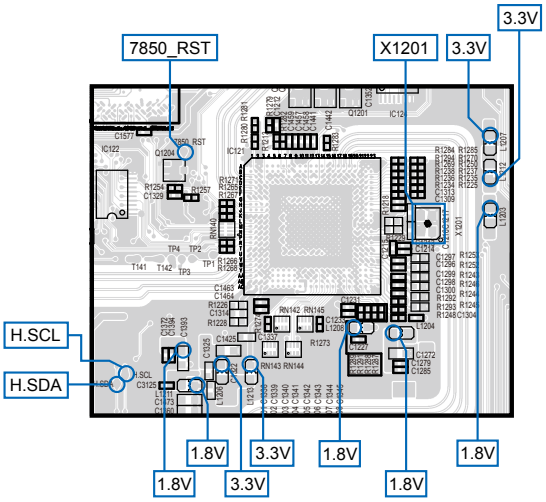
:A
:B
:C

A: 5V	101 pin
B: 3.3V	19,38,56,112,123,173 pin
C: 1.3V	18,36,37,55,65,111,116,139,140,141,150,151,160 pin

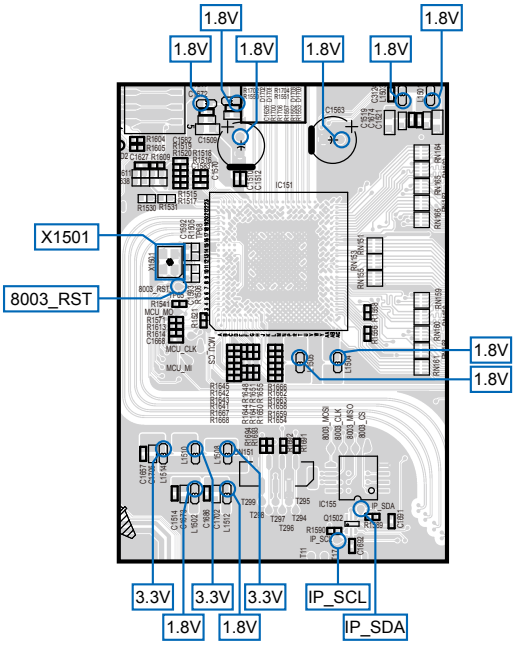
:TMDS_OUTPUT

TMDS_OUTPUT	142,143,144,145,146,147,148,149,152,153, 154,155,156,157,158,159 pin

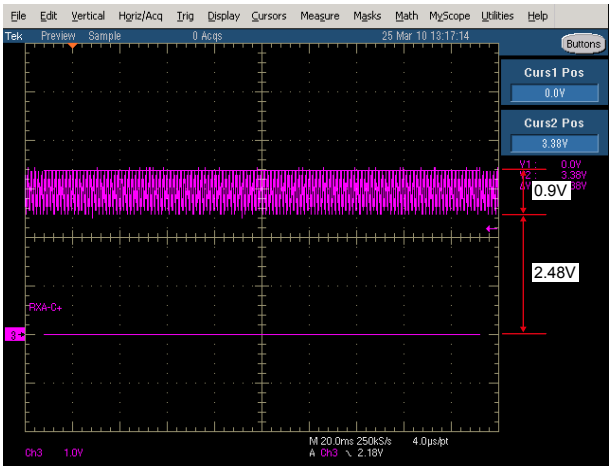
Detail D

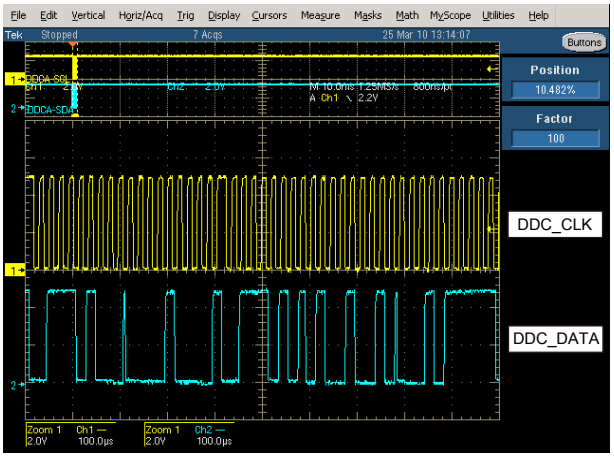


Detail E

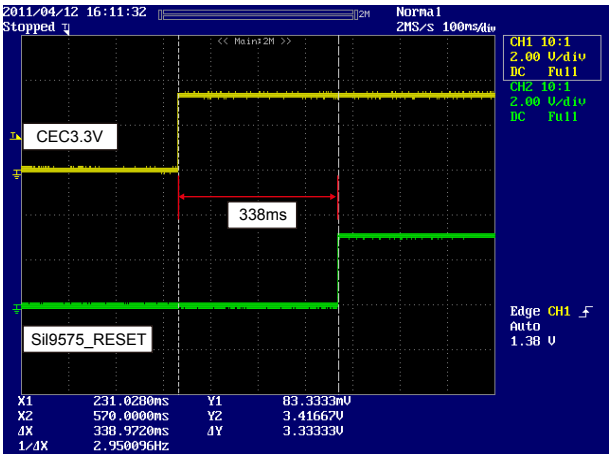


DDC_CLK/DDC_DATA/TMDS : Check items HDMI to HDMI (17)/(19)/(25)/(33)/(34)

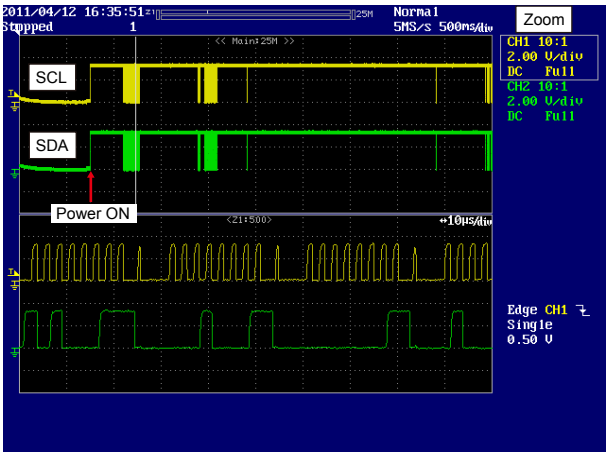




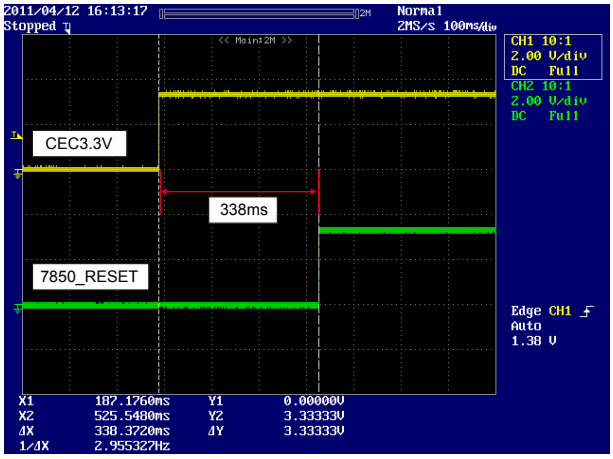
Timing waveform illustration from the start of CEC3.3V to when reset is released : Check items (23)



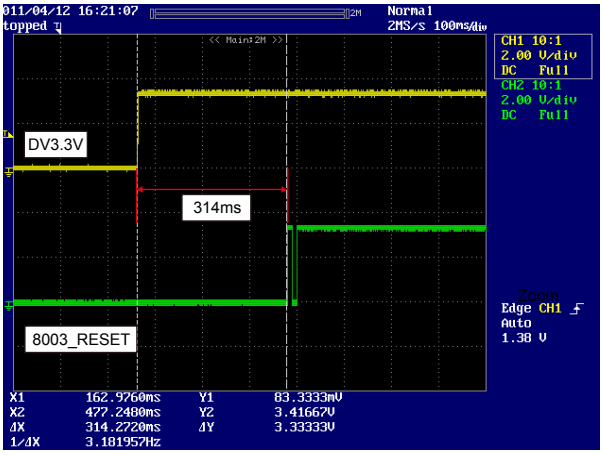
Controlled waveform (I2C), when power is turned on : Check items (24)/(32)

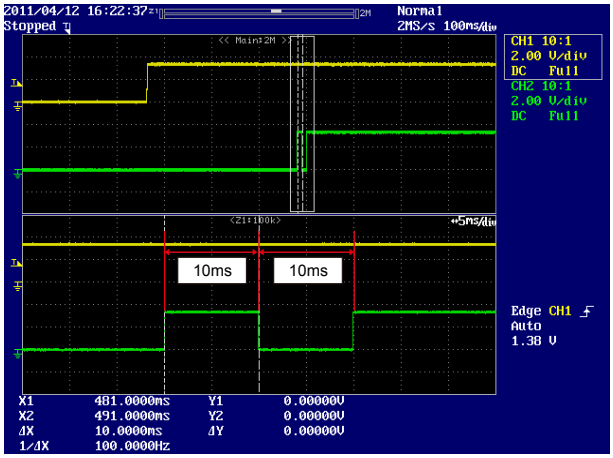


Timing waveform illustration from the start of CEC3.3V to when reset is released : Check items (28)



Timing waveform illustration from the start of CEC3.3V to when reset is released : Check items (31)





4. AUDIO

4.1. AUDIO CHECK

Audio output NG. Refer to "**Audio Check PATH**" (117 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.

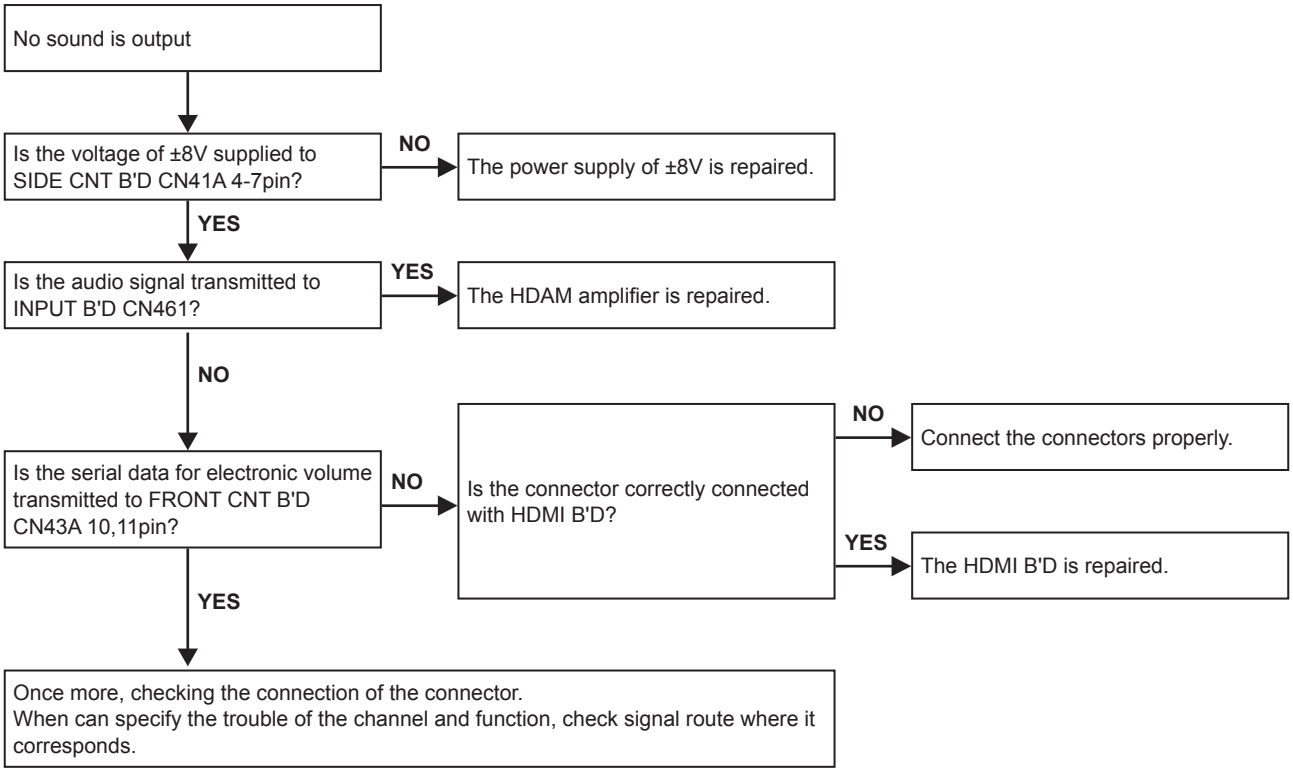
NO

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

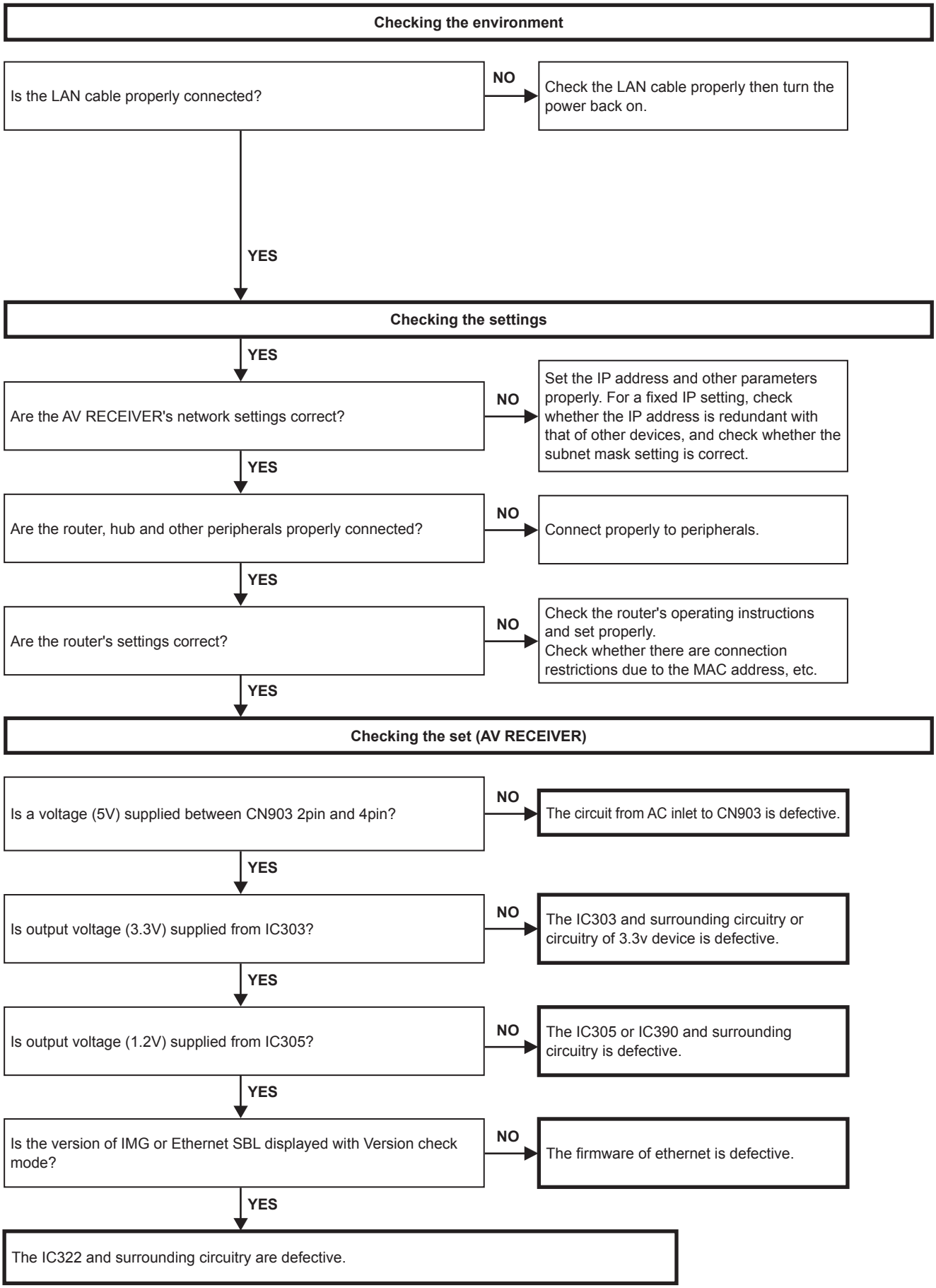
NO → Check HDMI BLOCK.

4.2. Analog audio

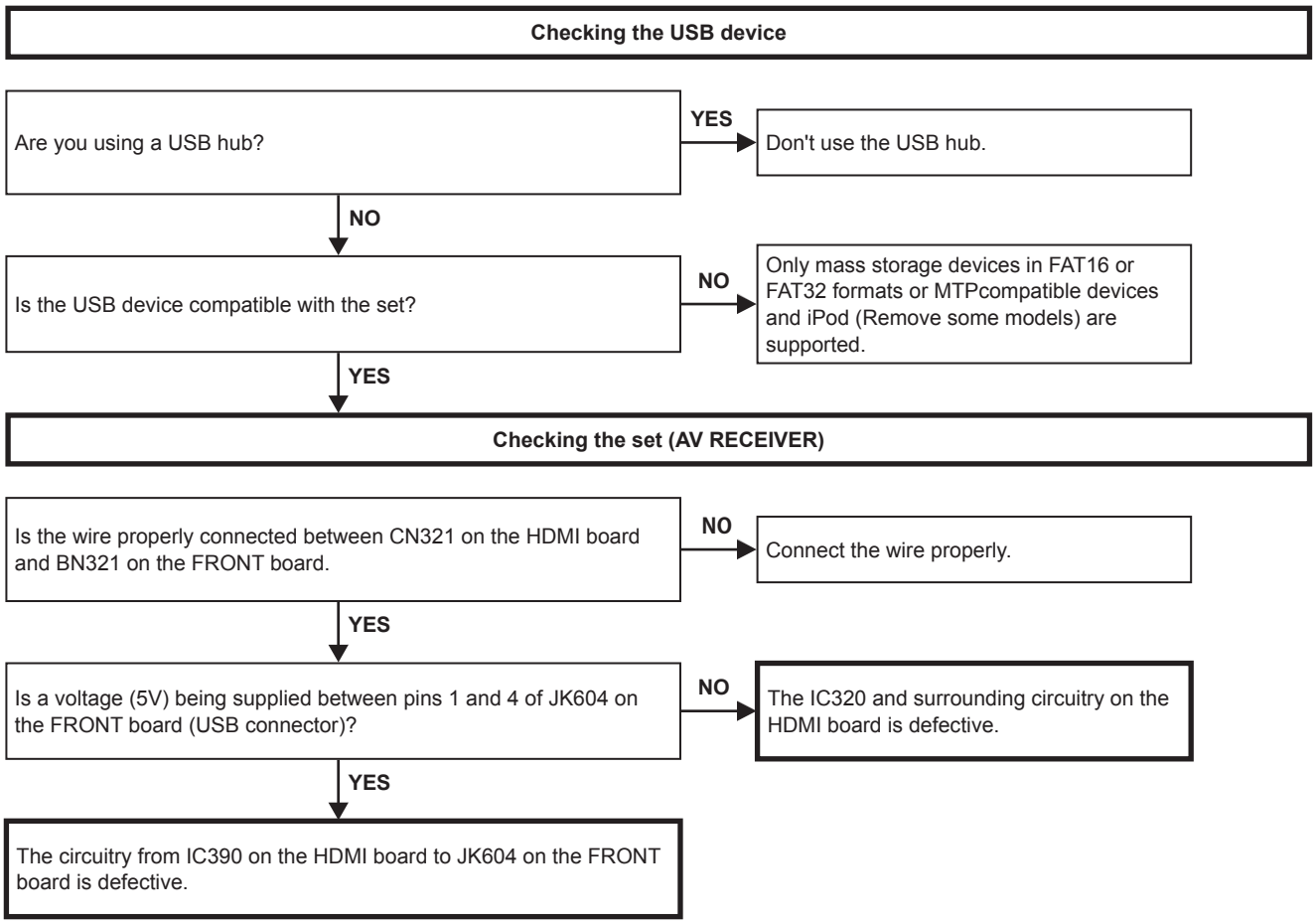


5. Network/USB

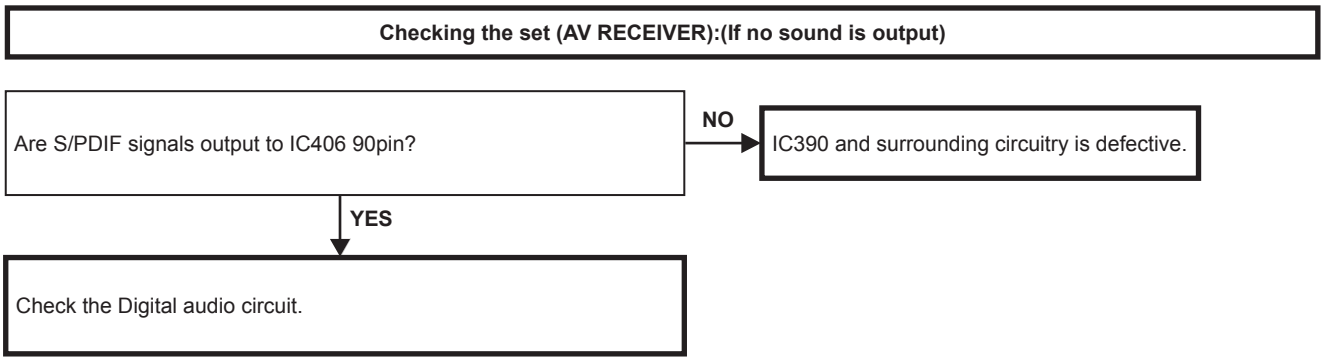
5.1. Cannot connect to network



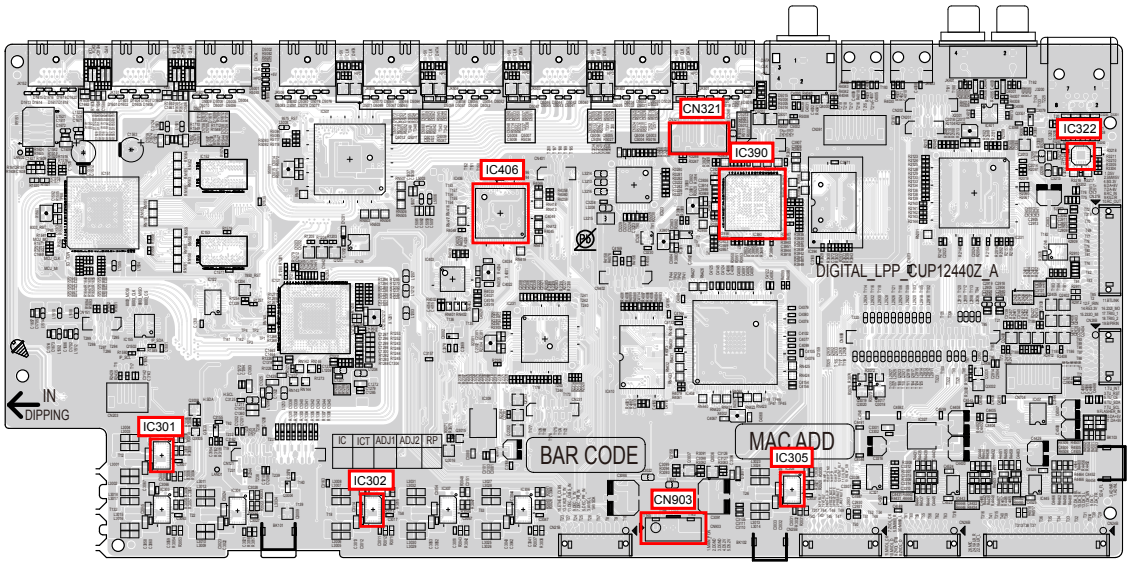
5.2. USB device is not recognized



5.3. No picture or sound is output

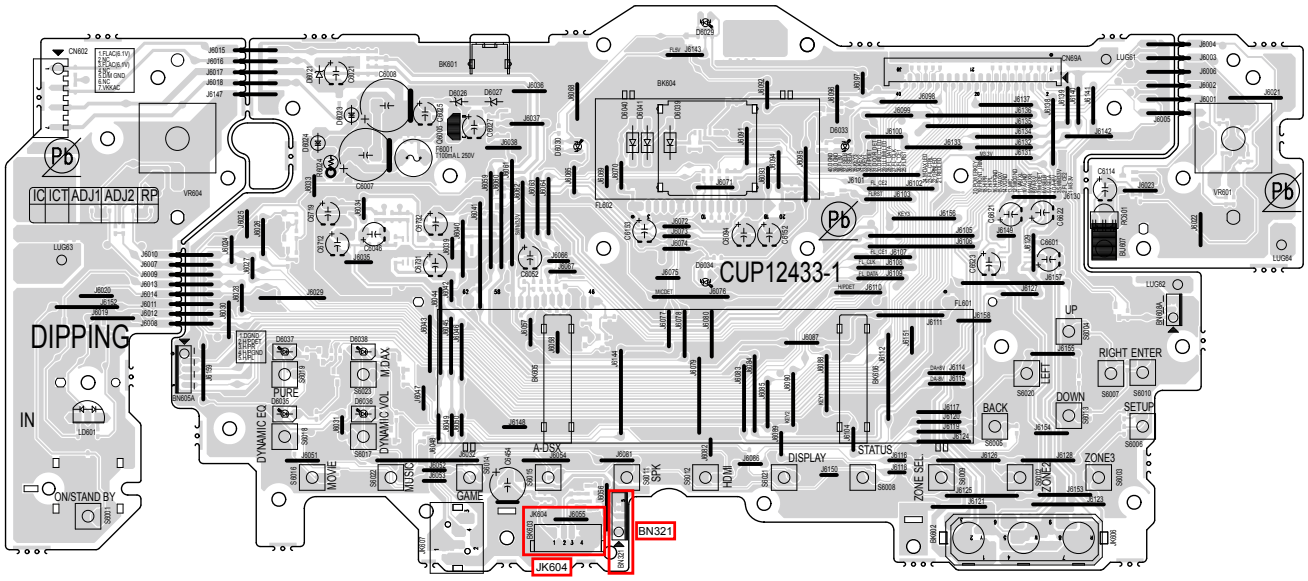


HDMI test point



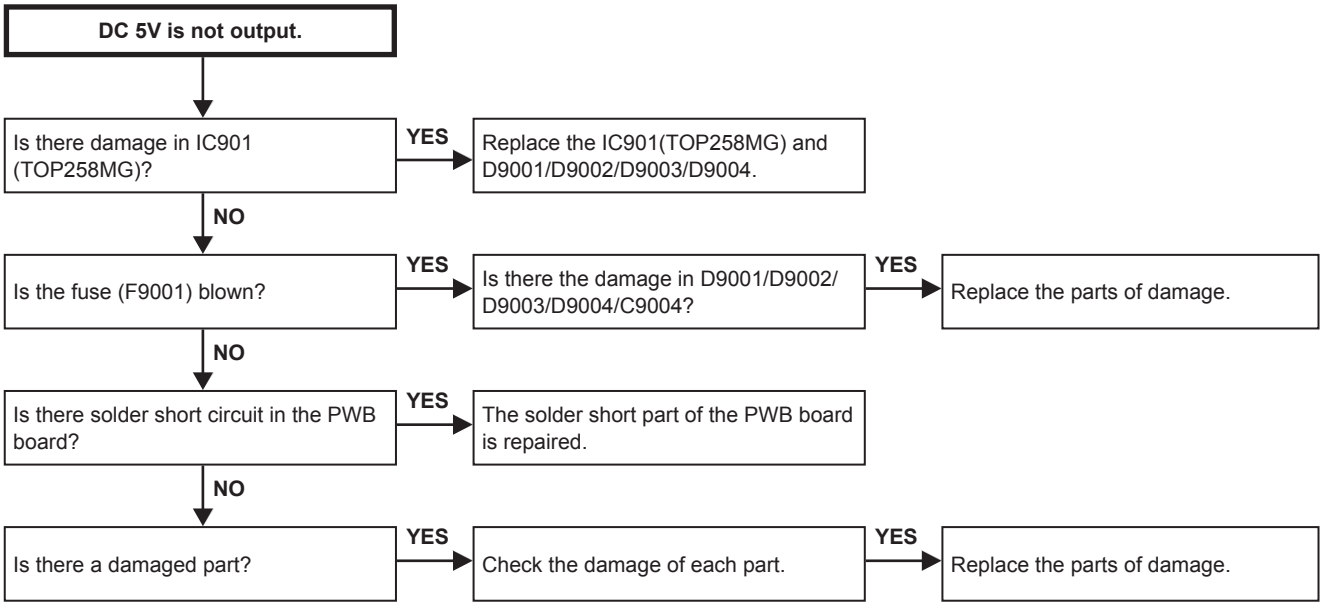
(COMPONENT SIDE)

FRONT test point

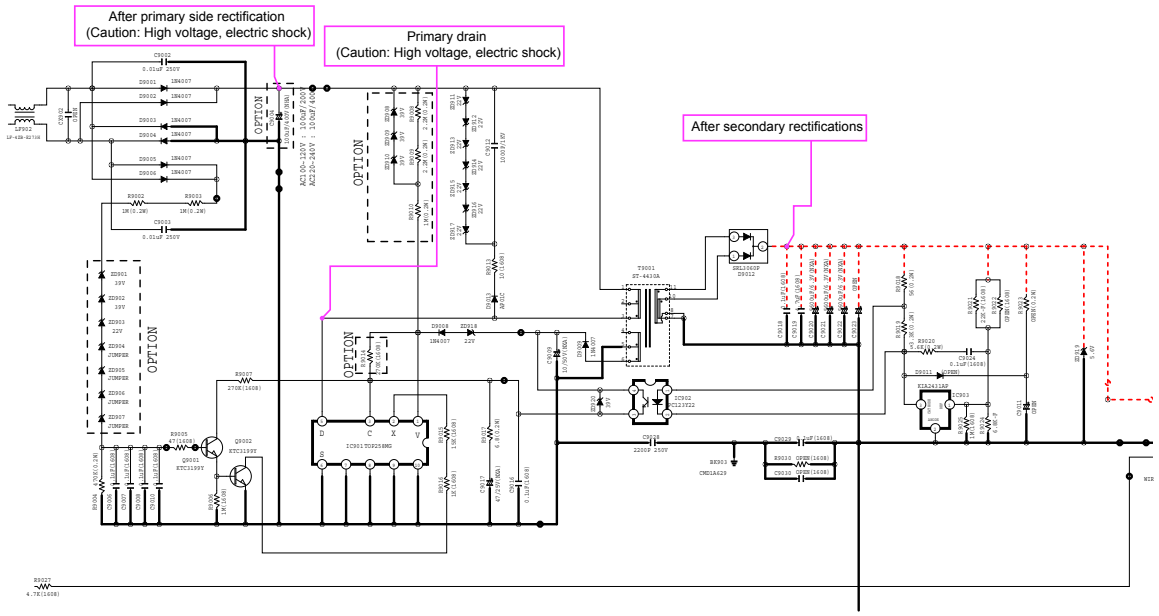


(COMPONENT SIDE)

6. SMPS

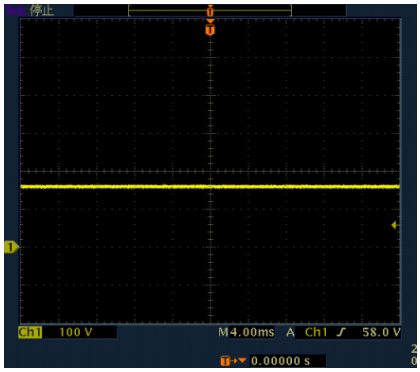

DC 5V is not output.
Is there damage in IC901 (TOP258MG)?
YES
Replace the IC901(TOP258MG) and D9001/D9002/D9003/D9004.
NO
Is the fuse (F9001) blown?
YES
Is there the damage in D9001/D9002/ D9003/D9004/C9004?
YES
Replace the parts of damage.
NO
Is there solder short circuit in the PWB board?
YES
The solder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

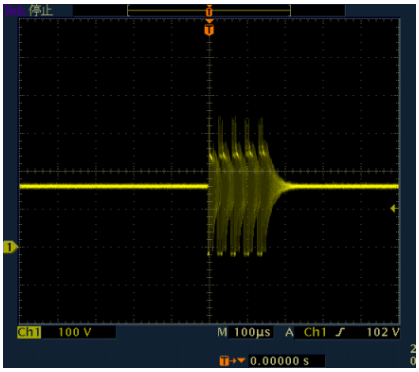


SMPS unit
(Unloaded)

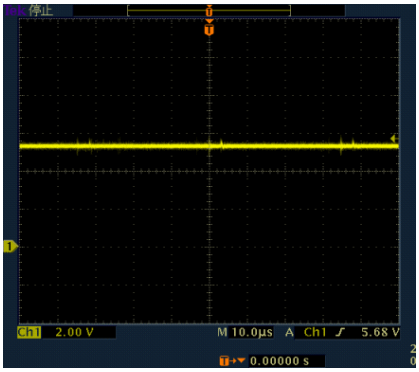
A



B

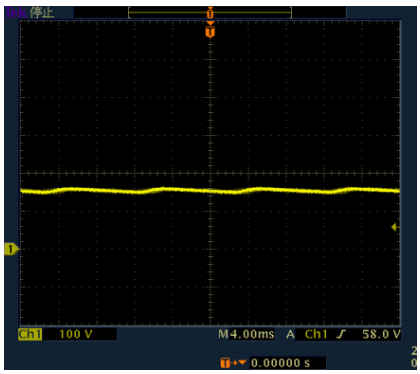


C

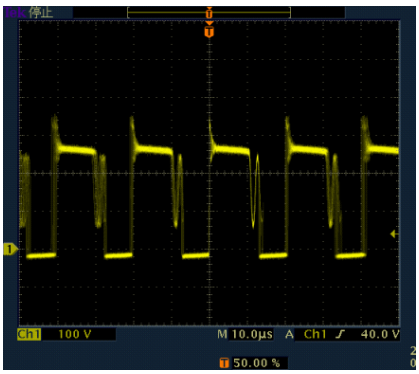


Set

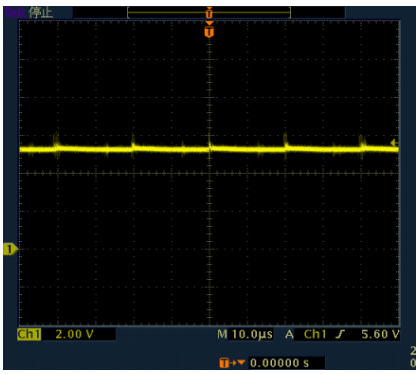
A



B



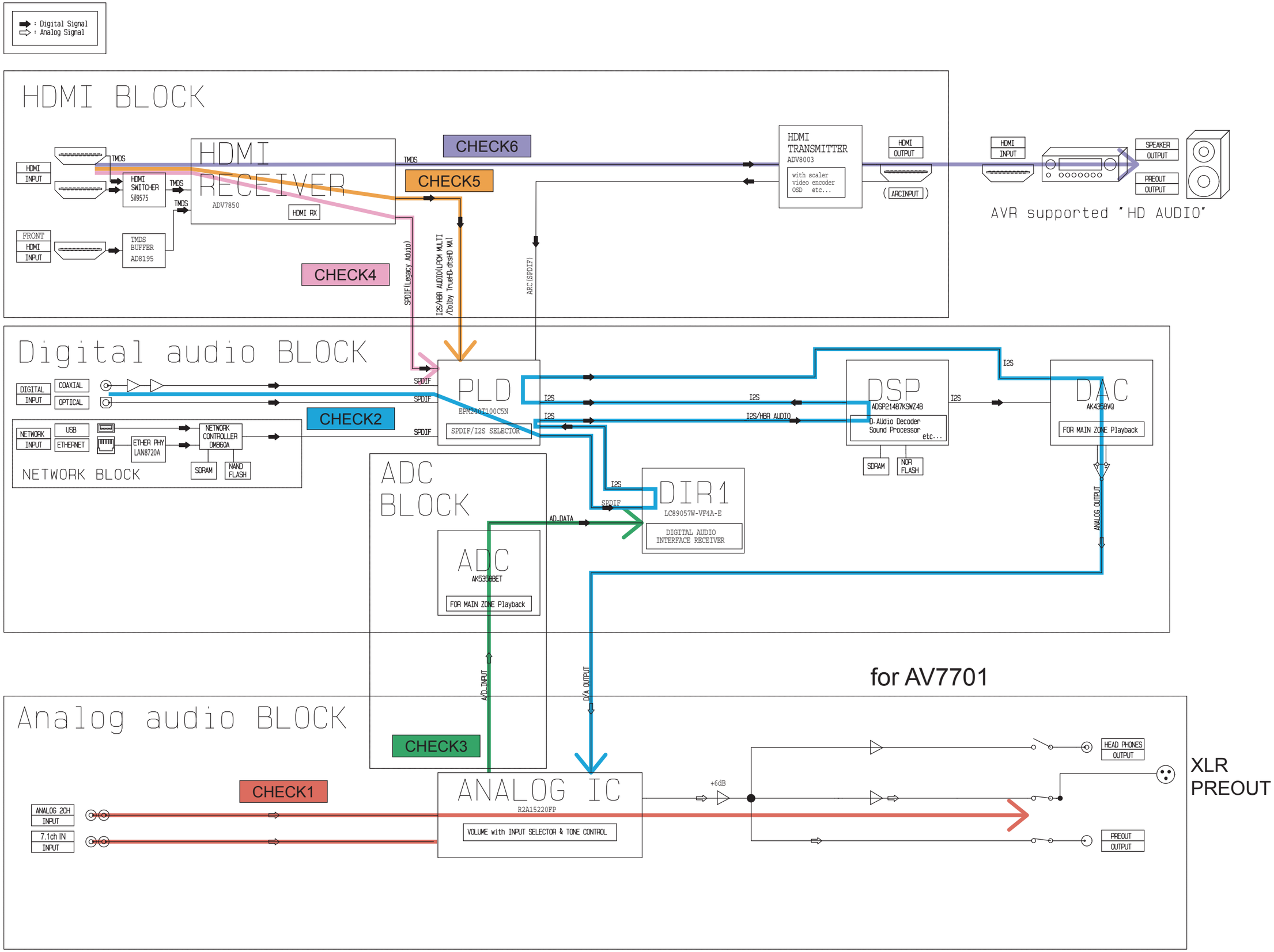
C



Personal notes:

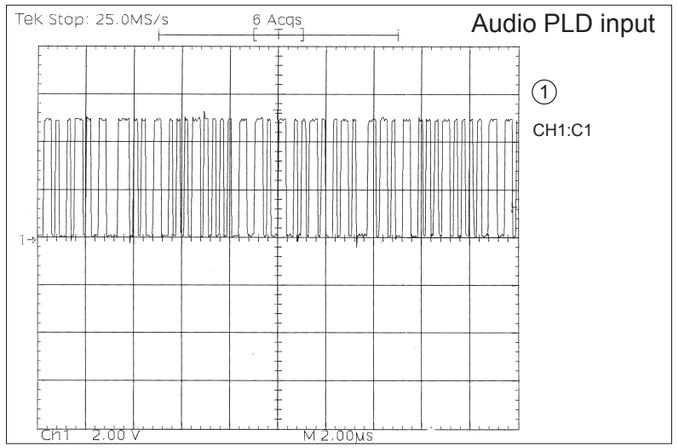
Audio Check PATH

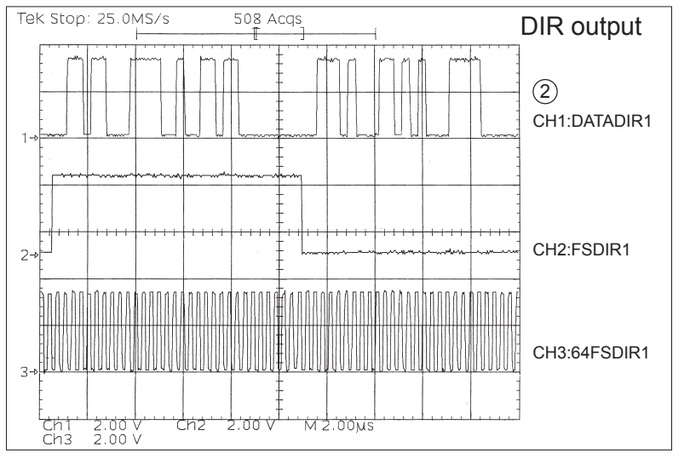
Refer to troubleshooting "**4.1. AUDIO CHECK**"(00 page).

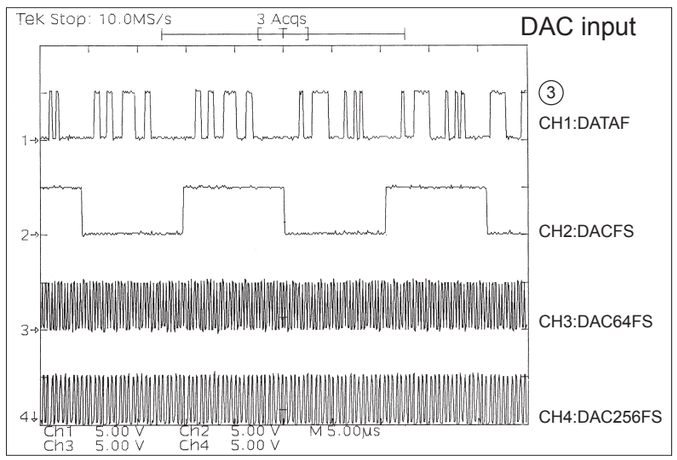


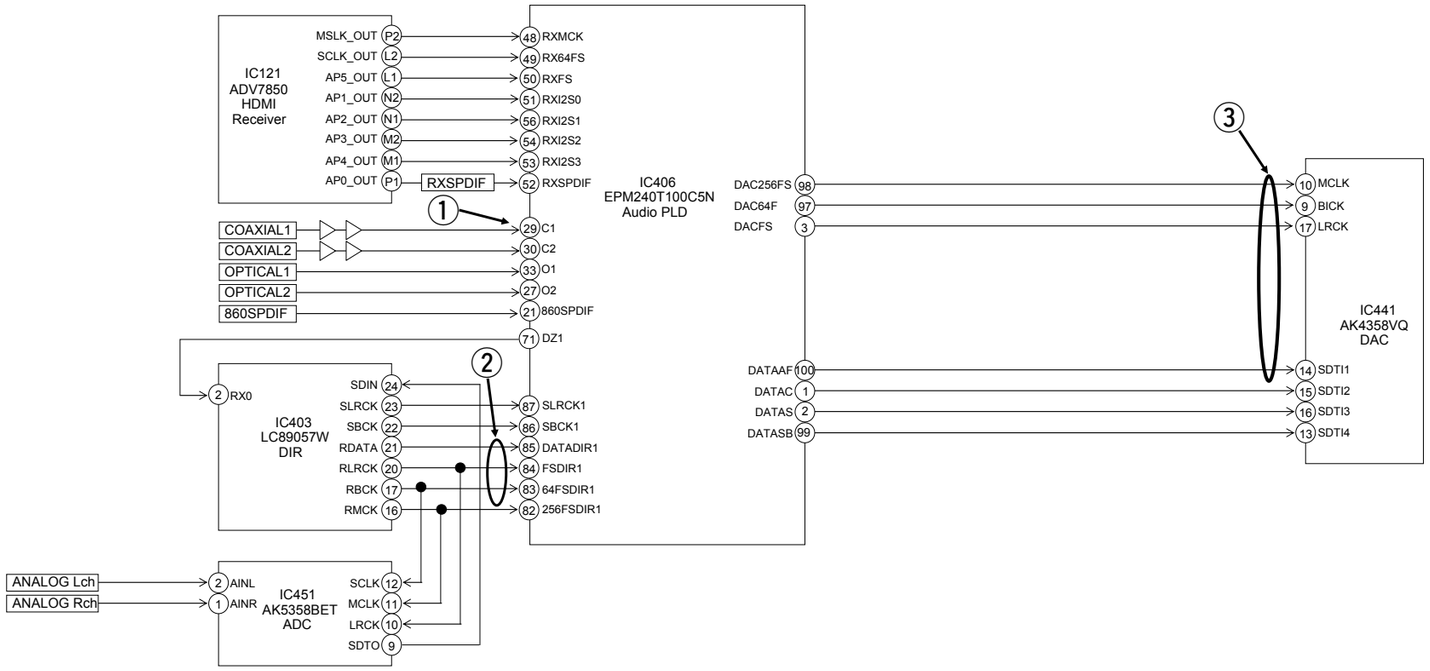
CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK

WAVE FORM

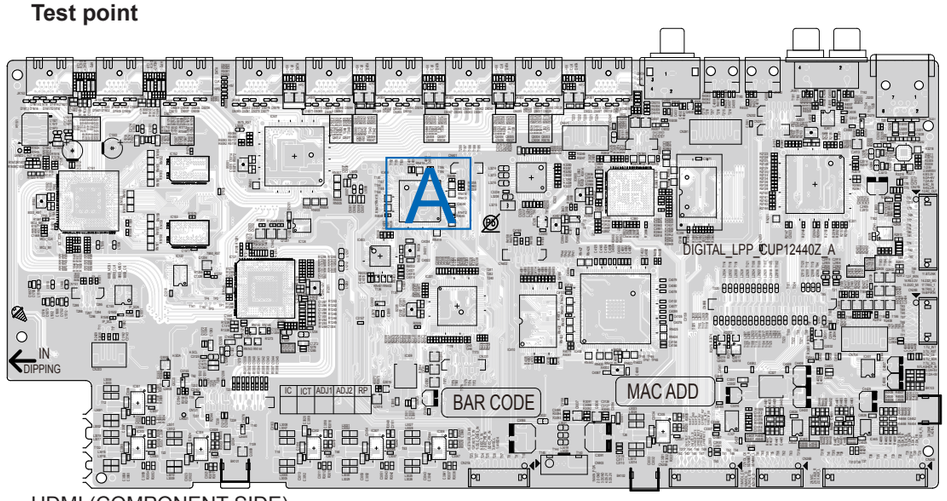






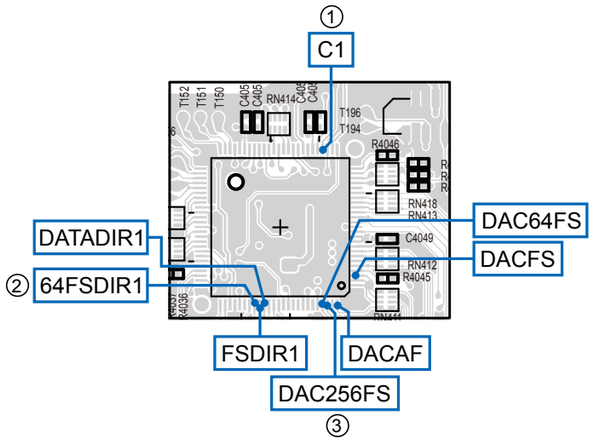


Test point



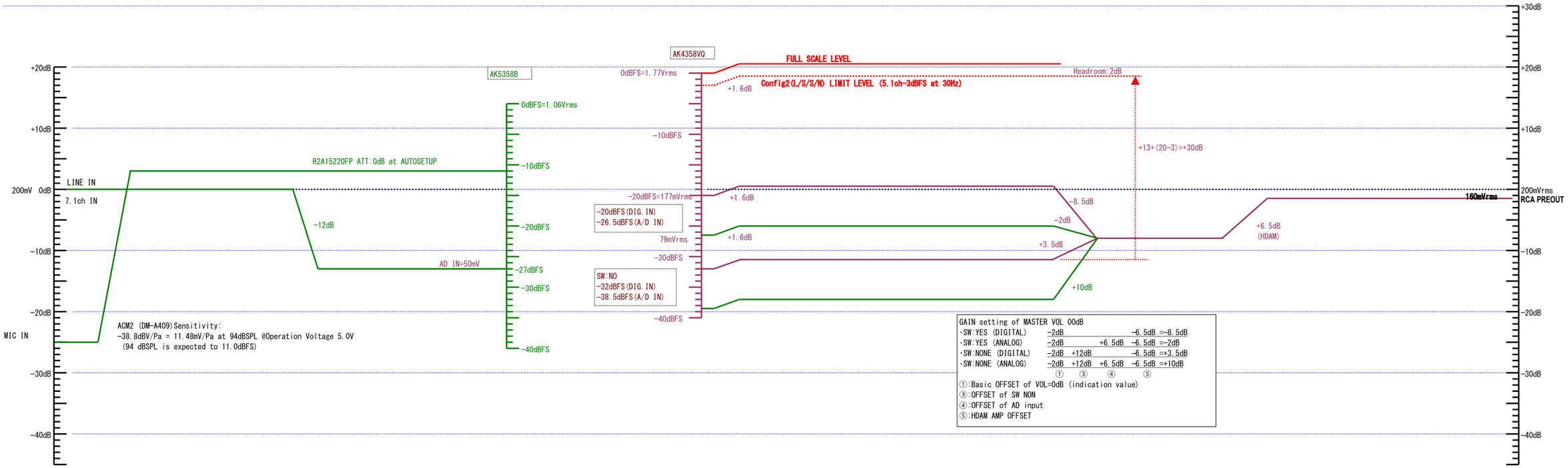
HDMI (COMPONENT SIDE)

Detail A

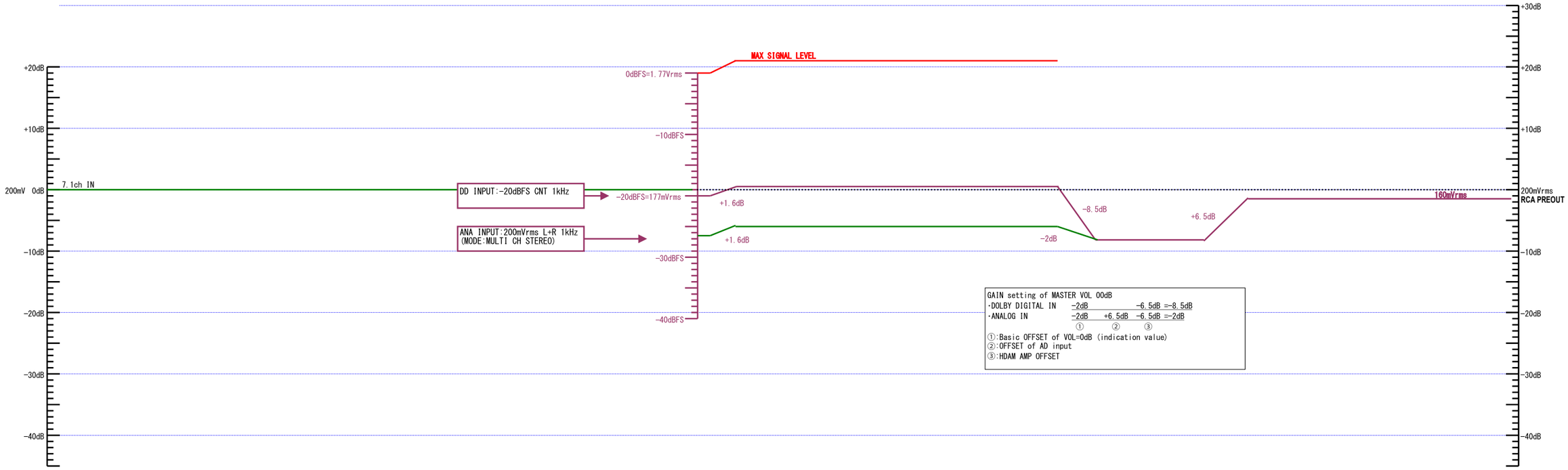


LEVEL DIAGRAM

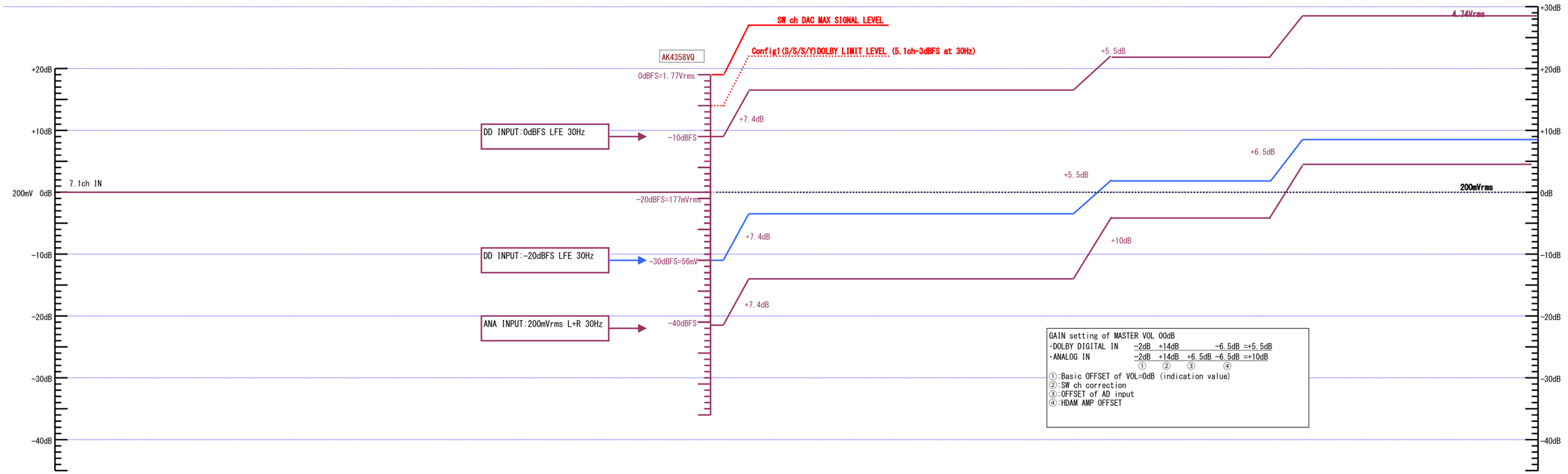
LEVEL DIAGRAM
FRONT ch



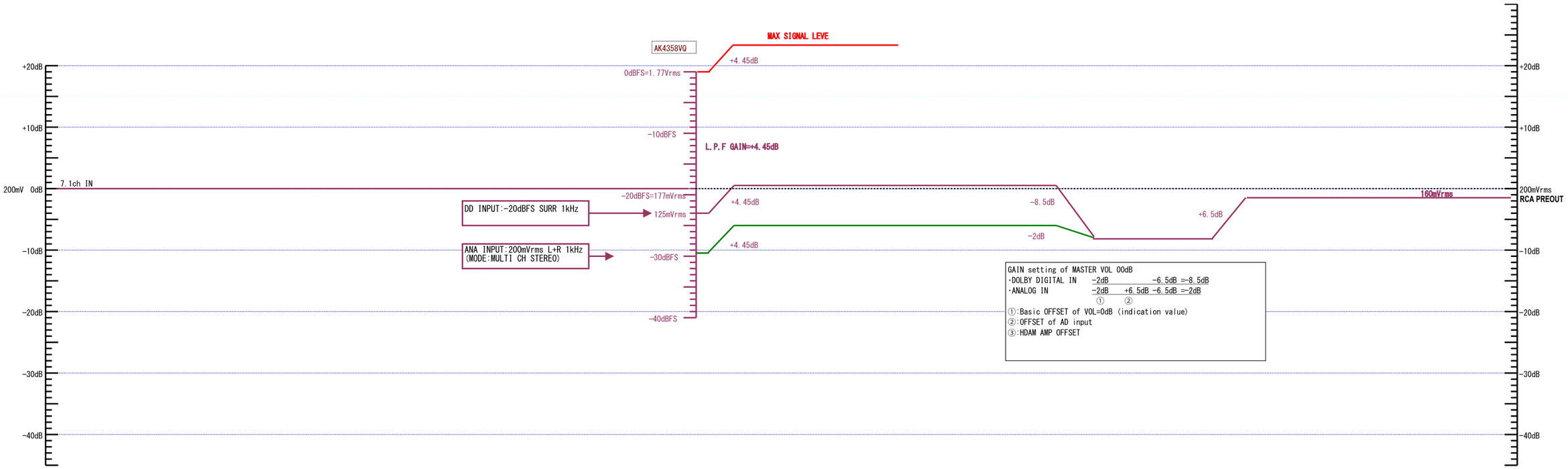
LEVEL DIAGRAM
CENTER ch



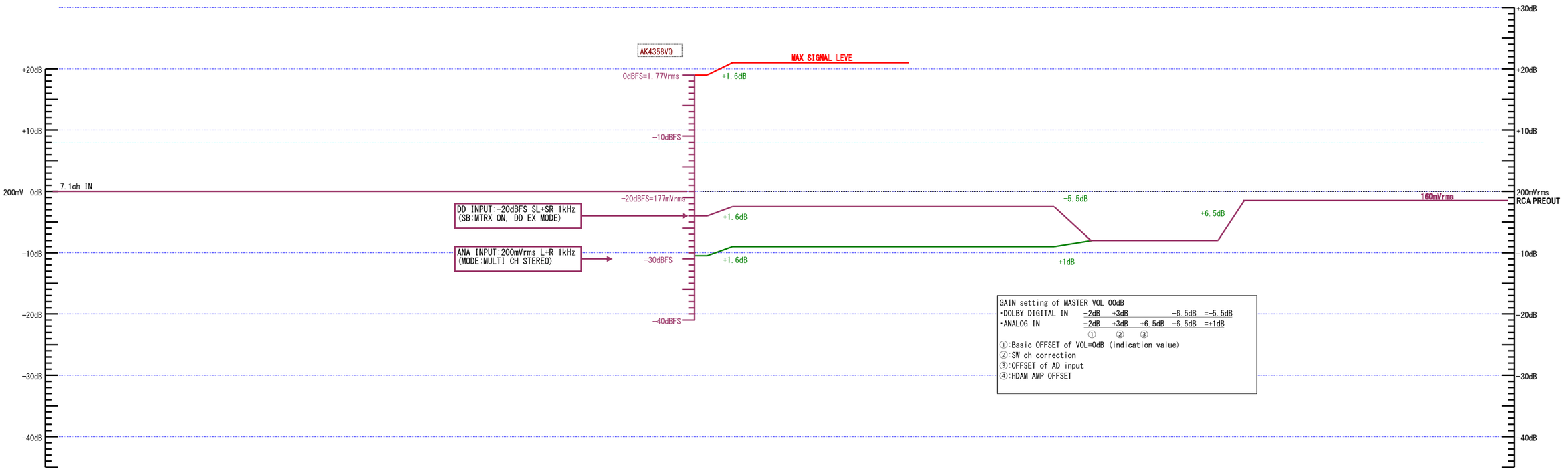
LEVEL DIAGRAM
SUBWOOFER ch



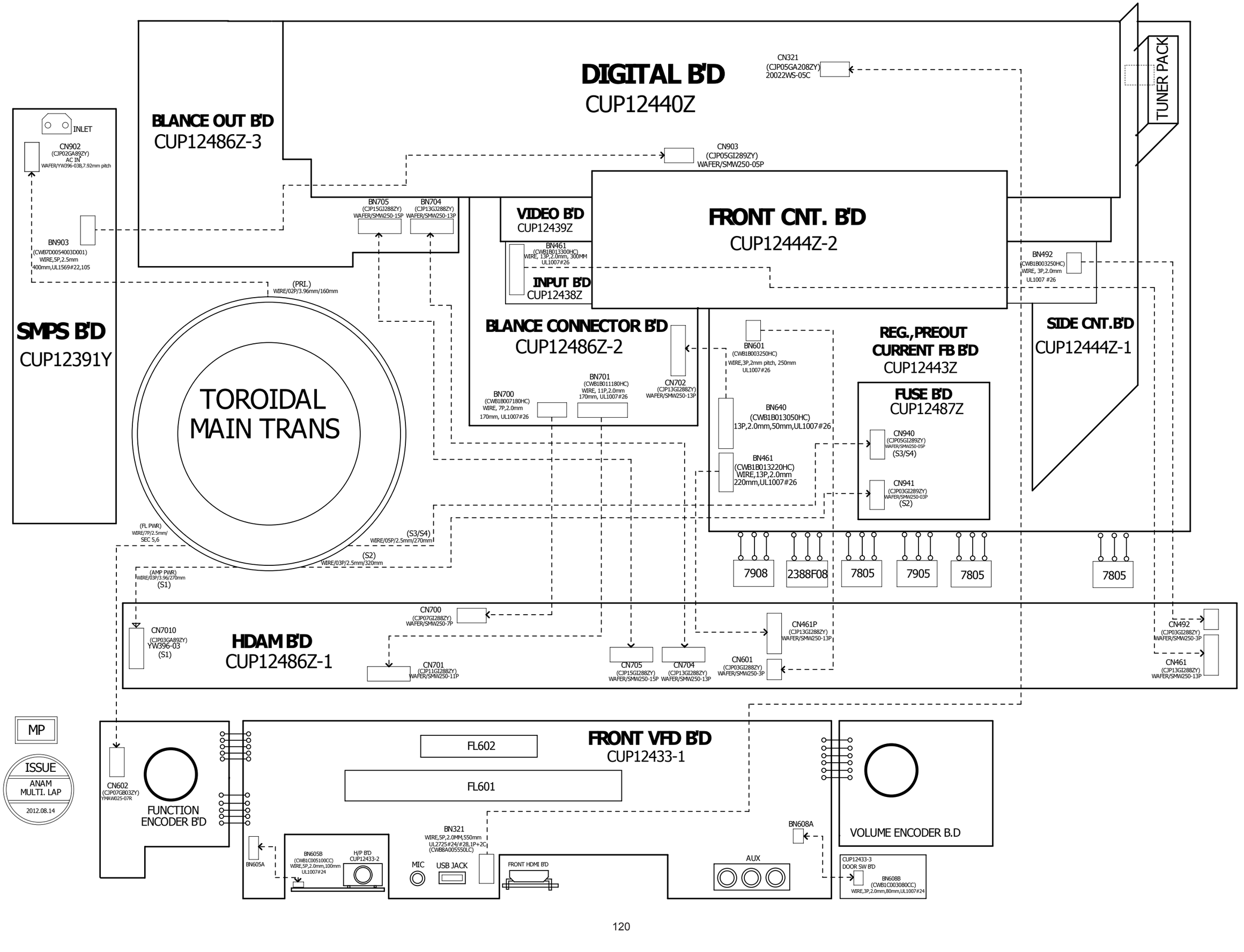
LEVEL DIAGRAM
SURROUND ch



LEVEL DIAGRAM
SURR.BACK ch



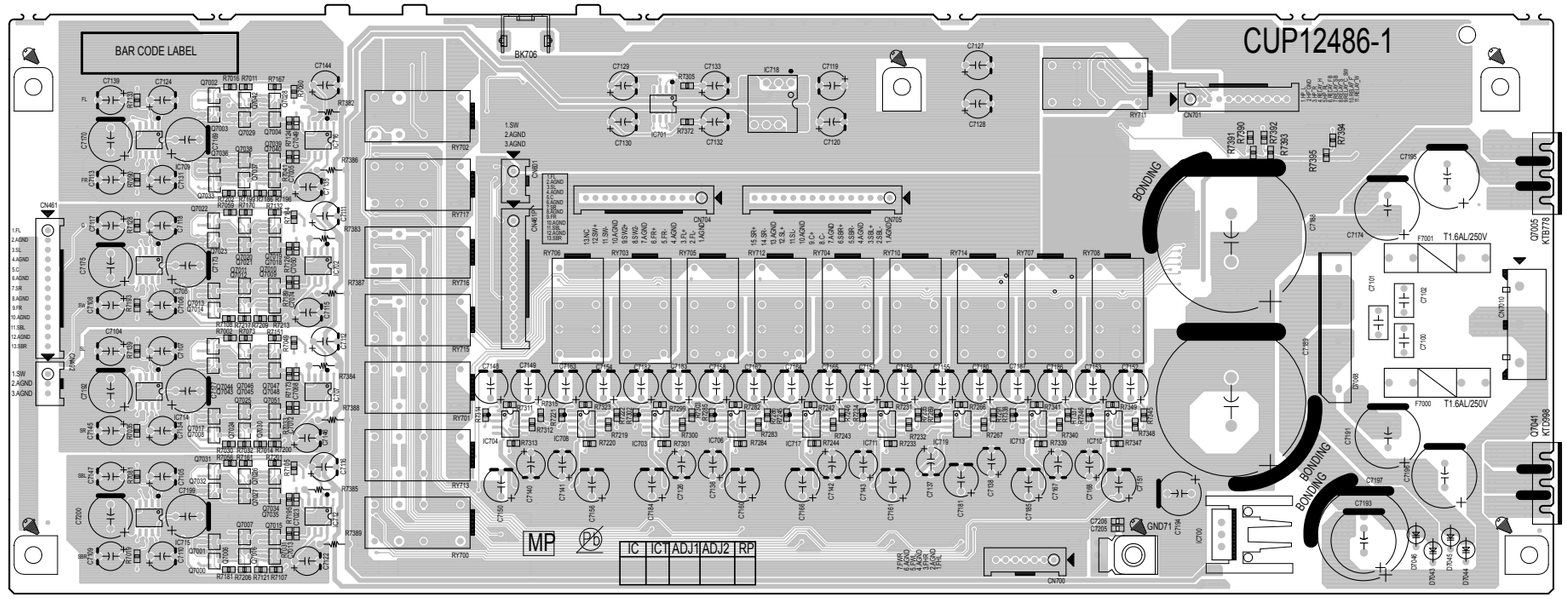
WIRING DIAGRAM



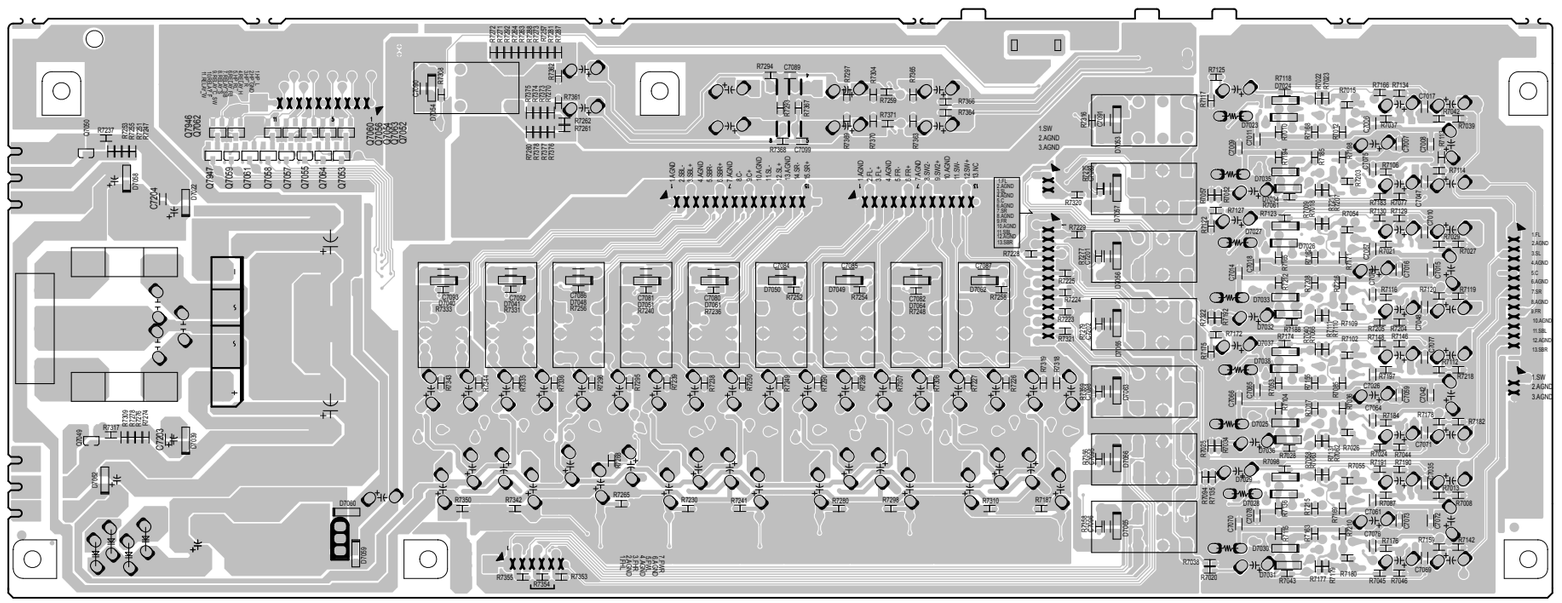
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

A B C D E F G H I J K L M

HDAM_AMP _1
(COMPONENT SIDE)



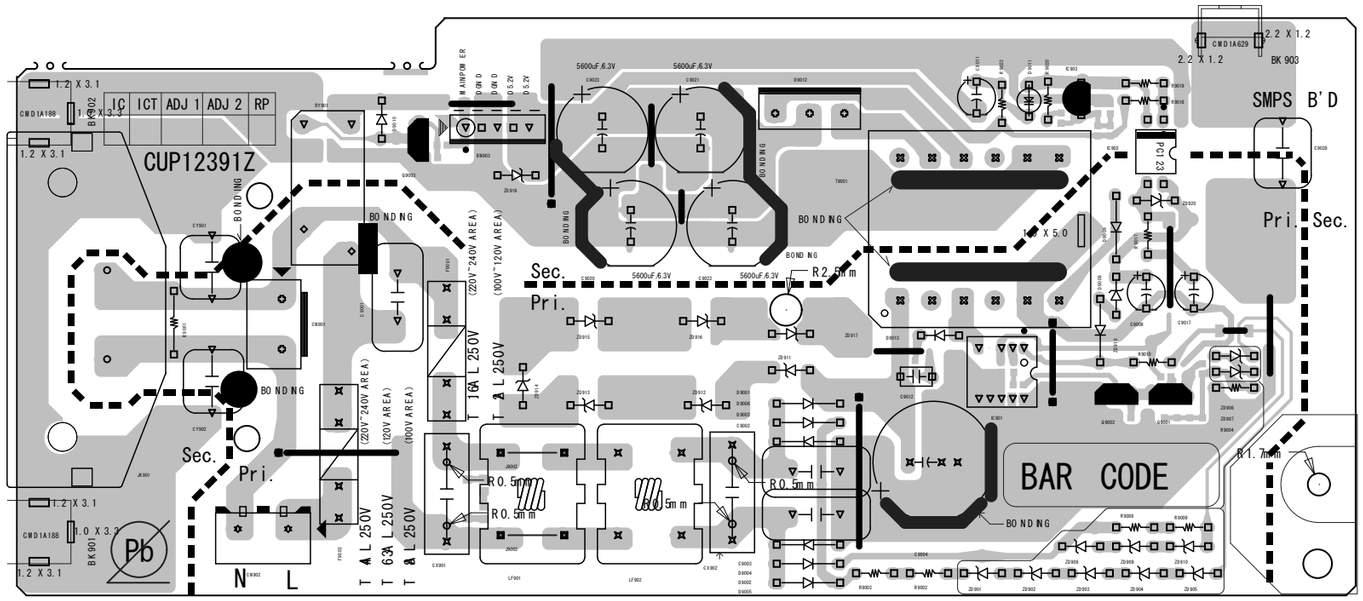
HDAM_AMP _1
(FOIL SIDE)



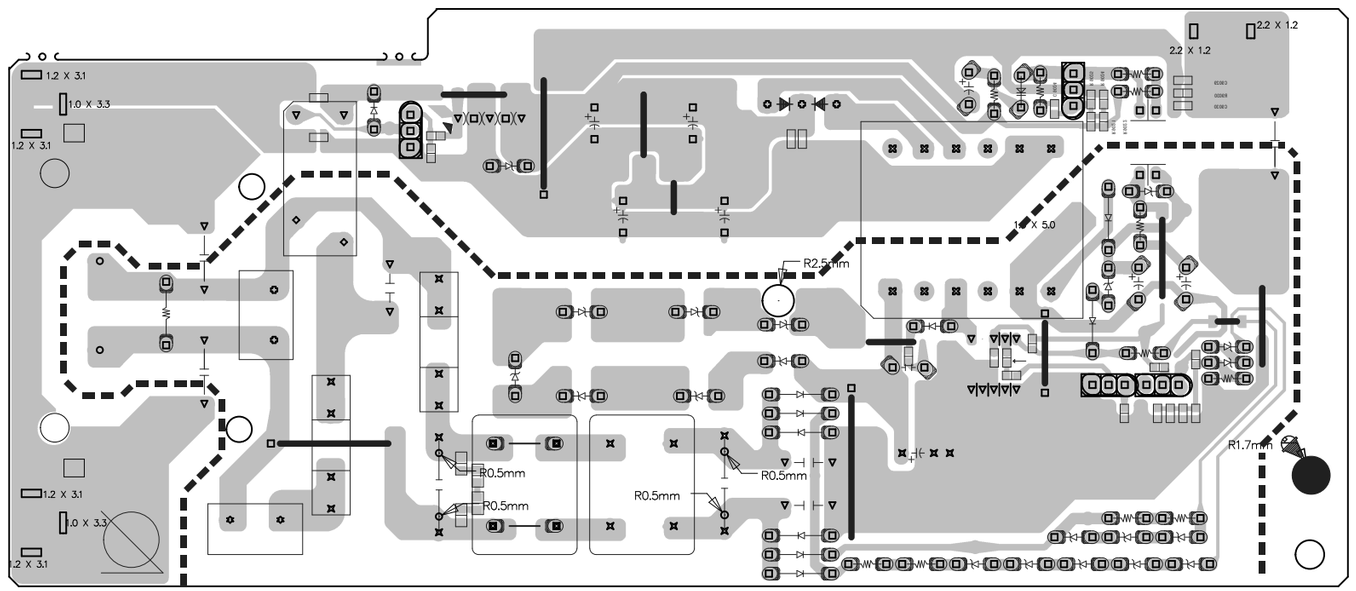
鉛フリー半田
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

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

SMPS
(COMPONENT SIDE)



SMPS
(FOIL SIDE)



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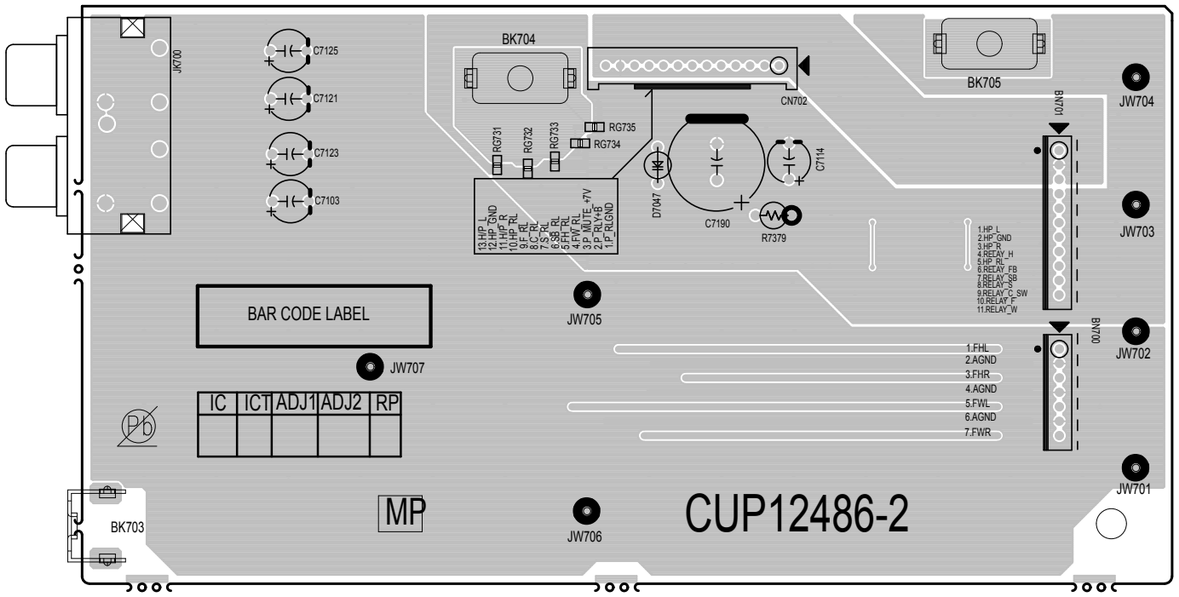
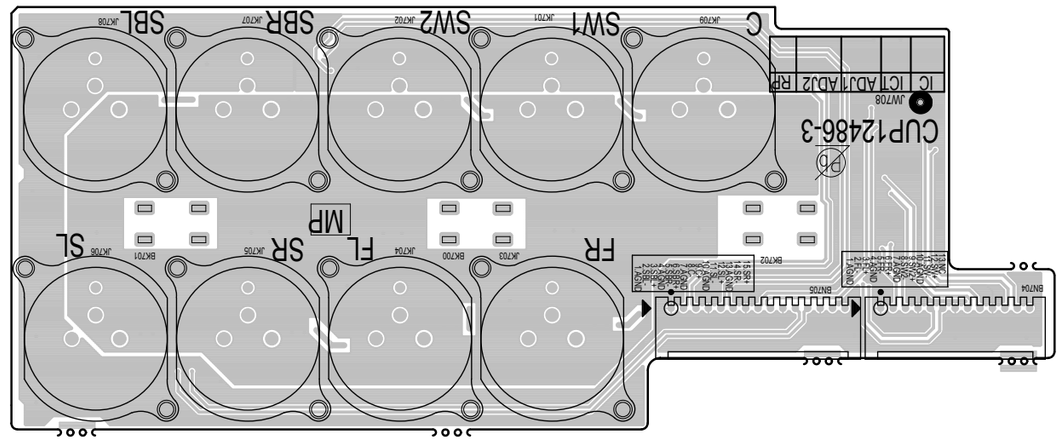
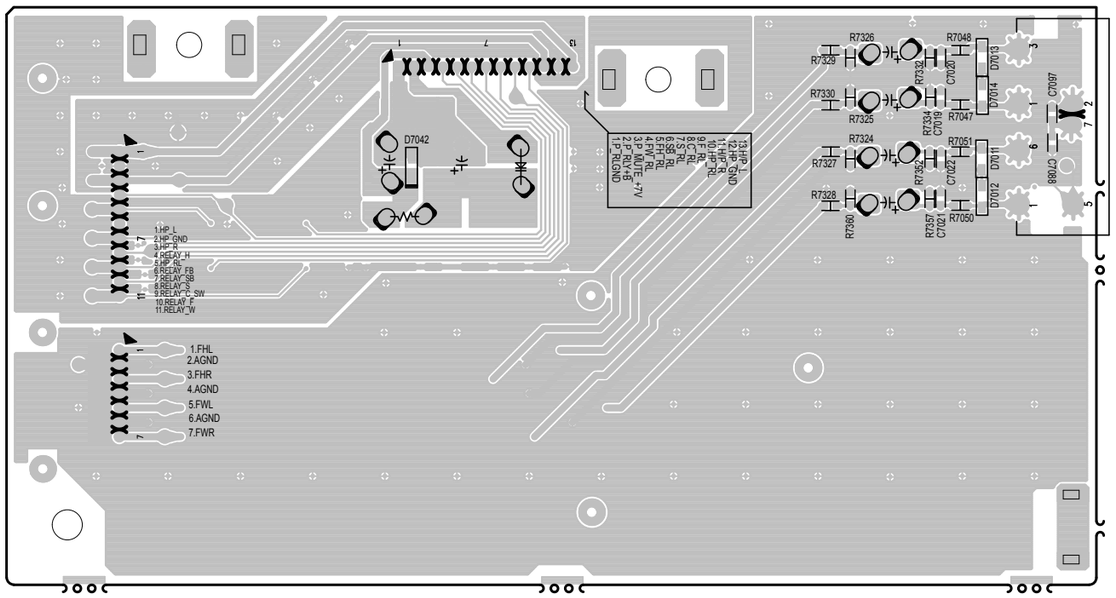
HDAM_AMP _2
(COMPONENT SIDE)



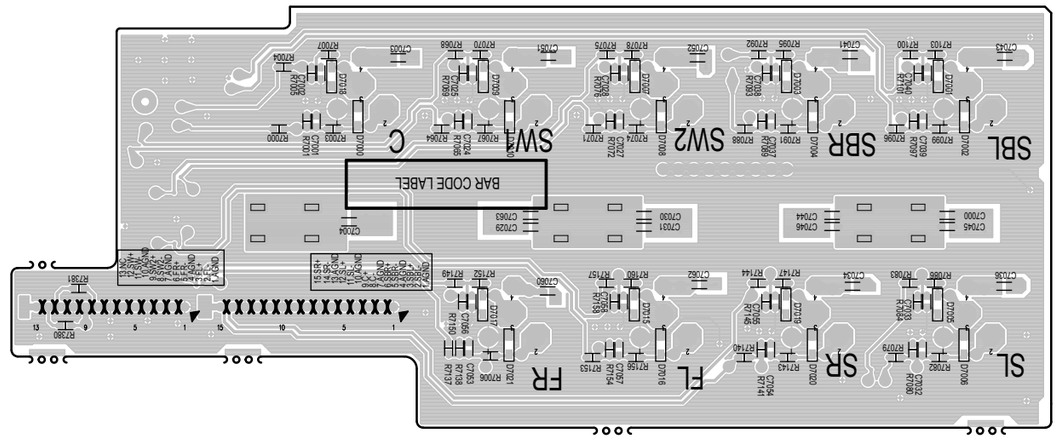
HDAM_AMP _3
(COMPONENT SIDE)



HDAM_AMP _2
(FOIL SIDE)



HDAM_AMP _3
(FOIL SIDE)



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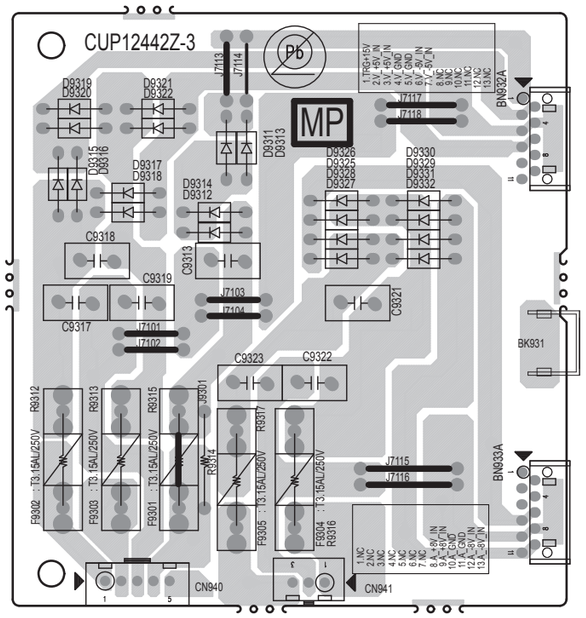
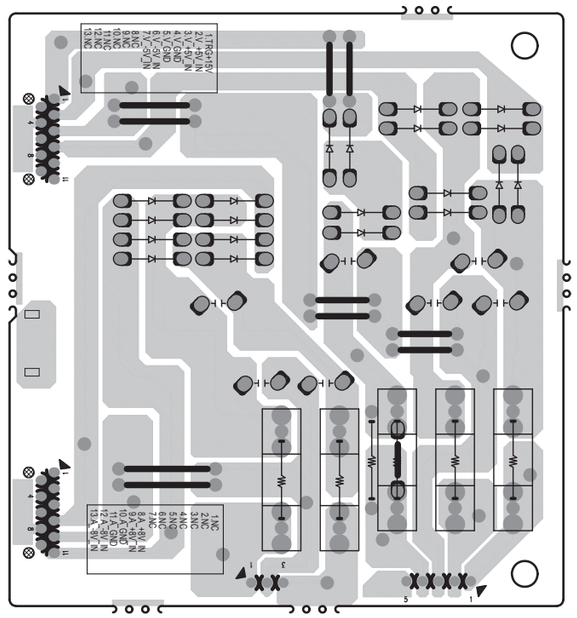
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

FUSE
(COMPONENT SIDE)



FUSE
(FOIL SIDE)



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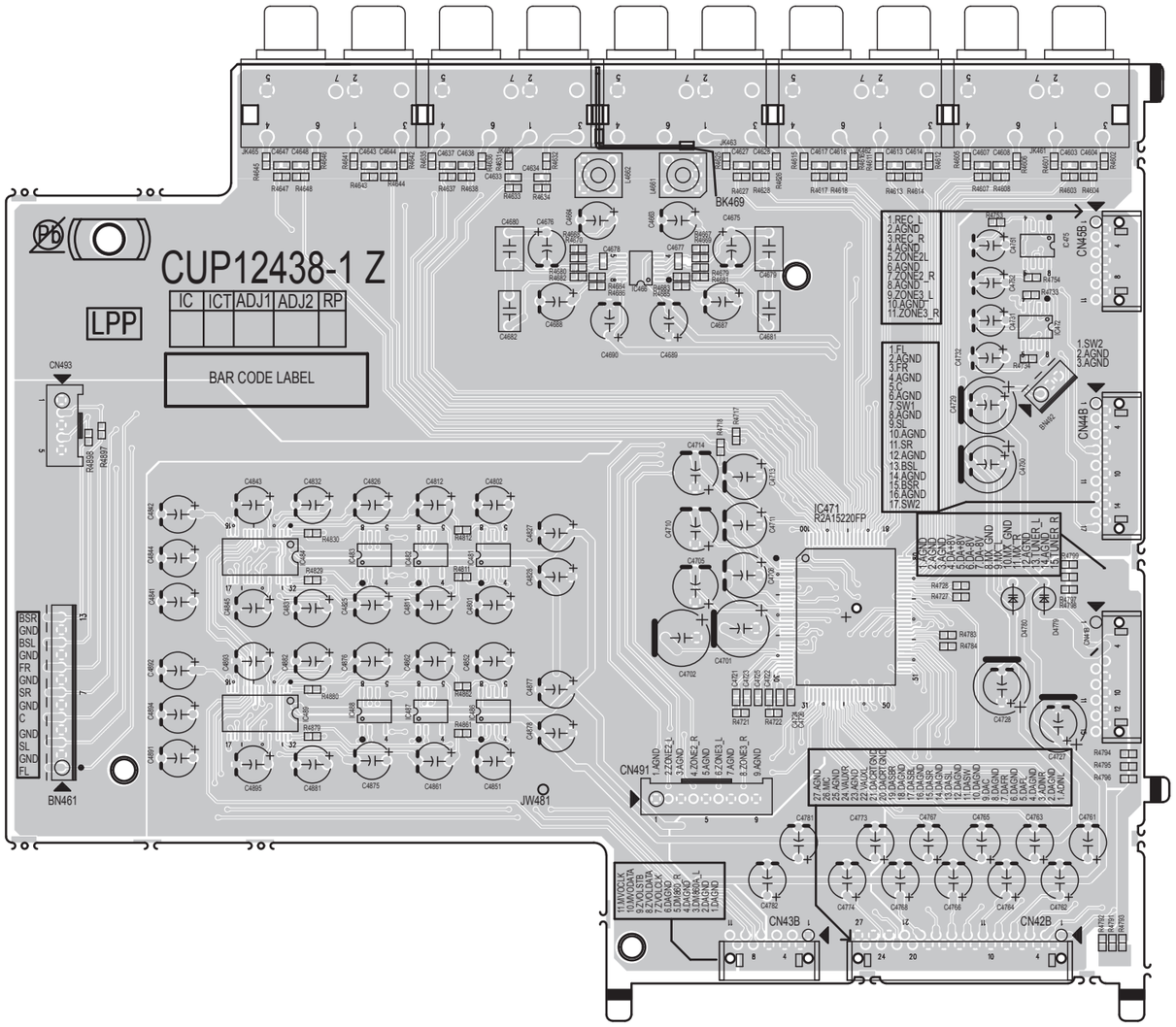
INPUT
(COMPONENT SIDE)



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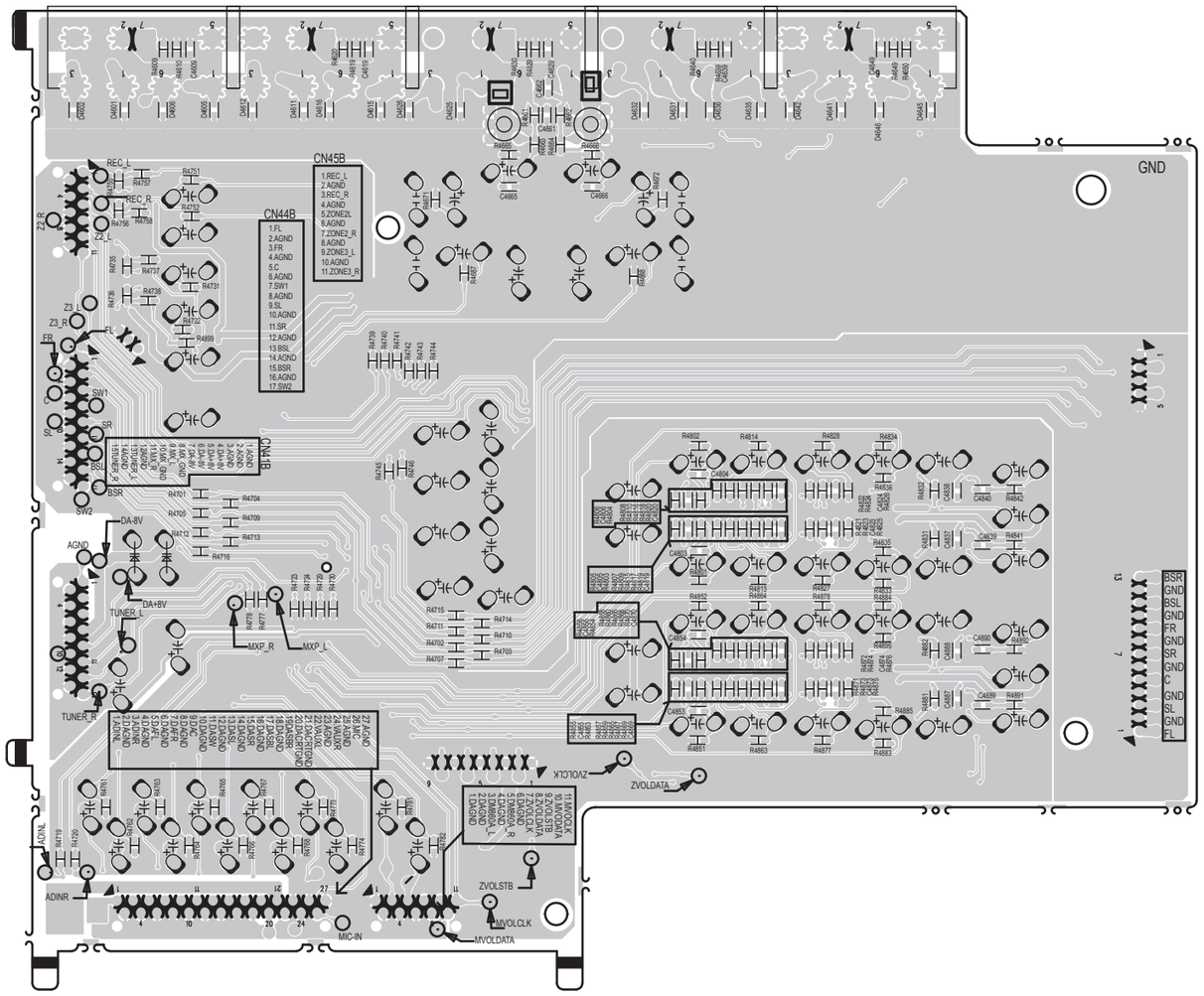
INPUT
(FOIL SIDE)



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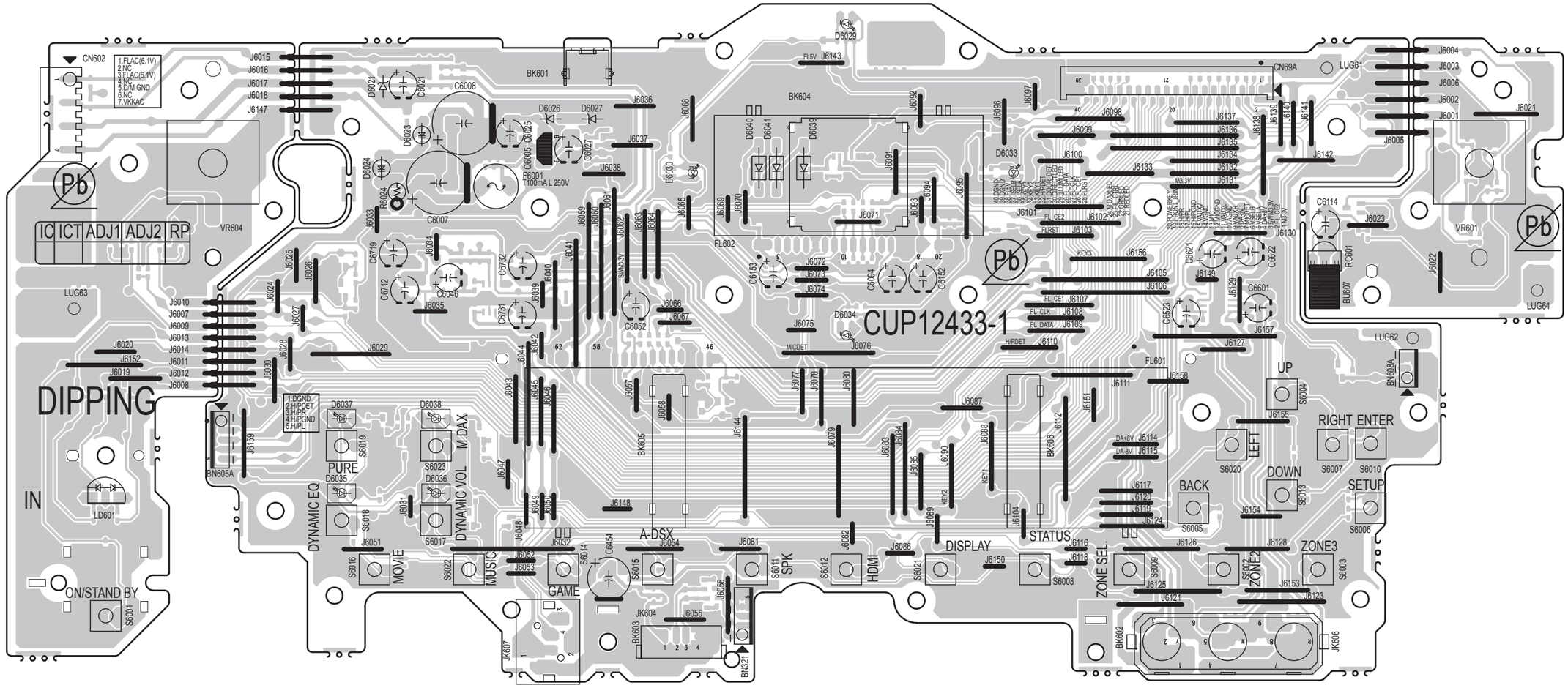
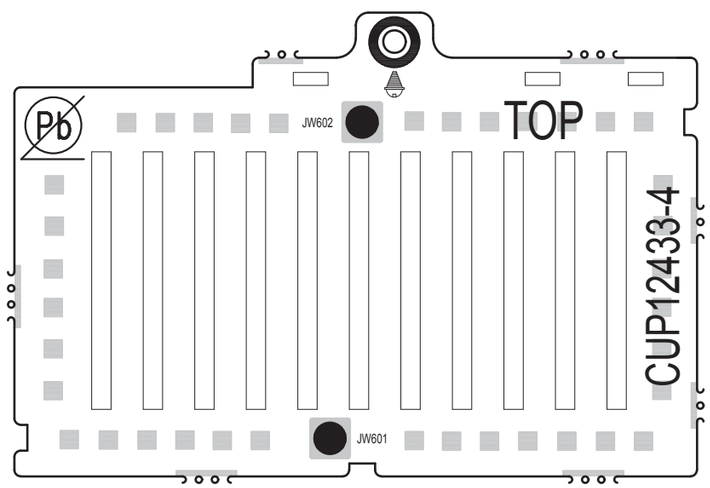
FRONT
(COMPONENT SIDE)



GUIDE FRONT FFC
(COMPONENT SIDE)



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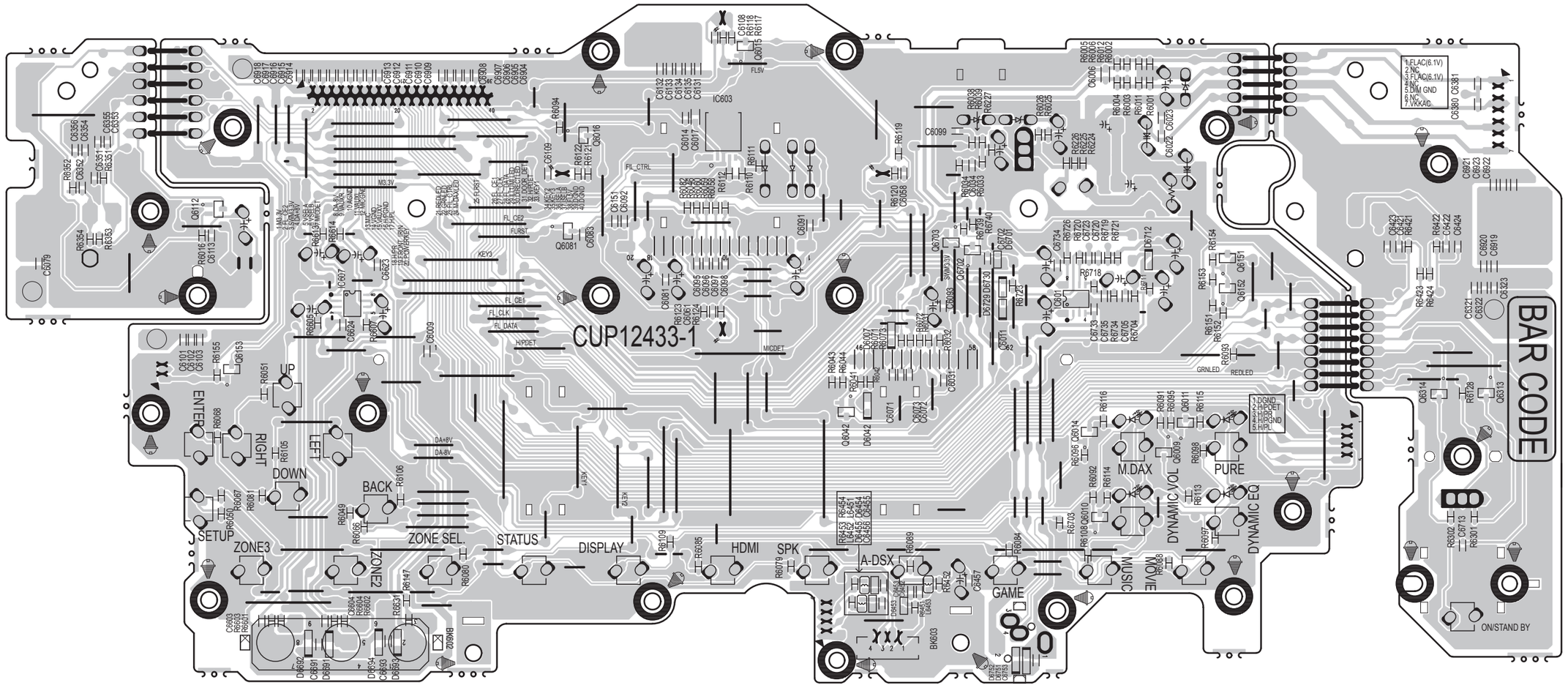
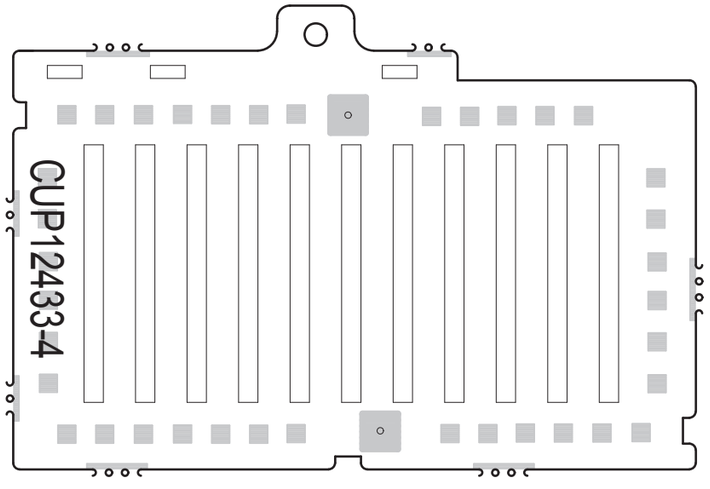
FRONT
(FOIL SIDE)



GUIDE FRONT FFC
(FOIL SIDE)



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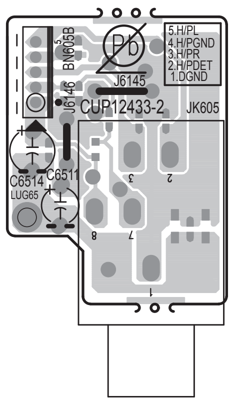
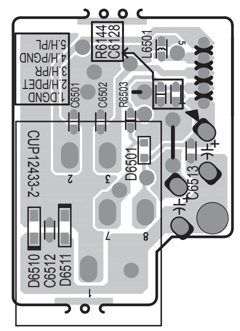
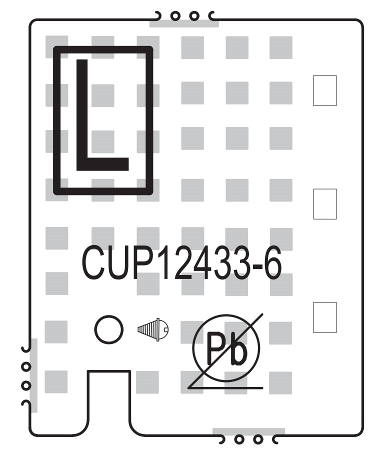
HP (COMPONENT SIDE)



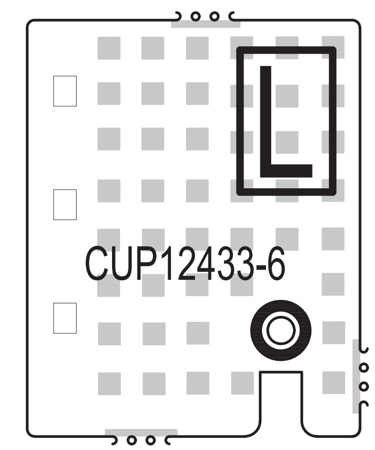
HP (FOIL SIDE)



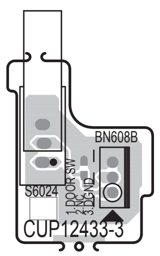
GUIDE L (COMPONENT SIDE)



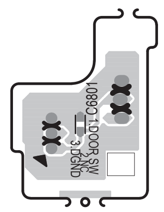
GUIDE L (FOIL SIDE)



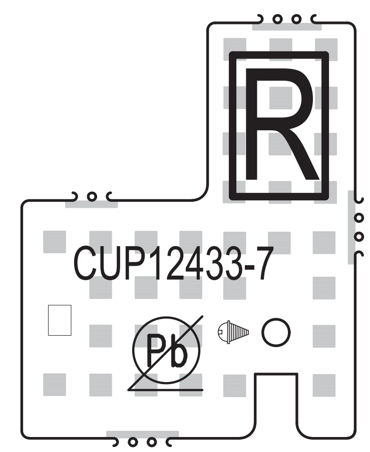
DOOR DET (COMPONENT SIDE)



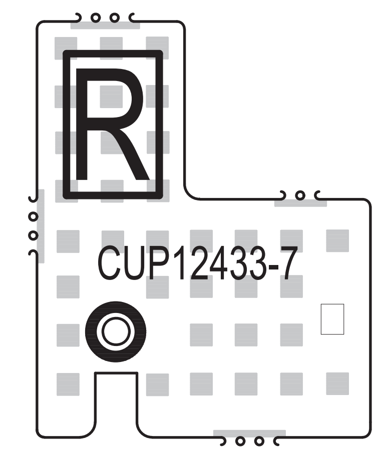
DOOR DET (FOIL SIDE)



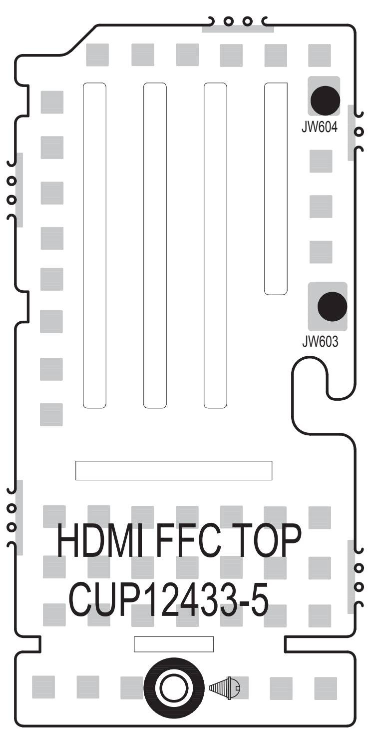
GUIDE R (COMPONENT SIDE)



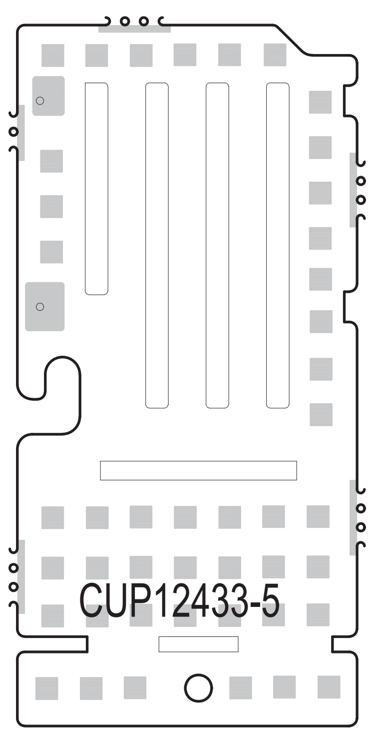
GUIDE R (FOIL SIDE)



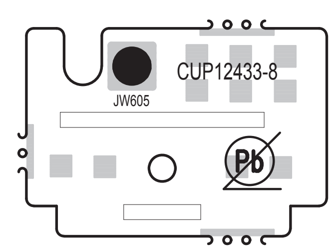
FRONT HDMI FFC (COMPONENT SIDE)



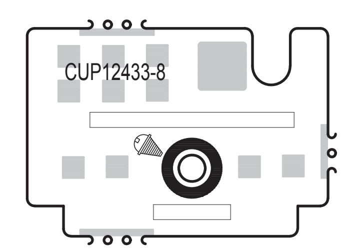
FRONT HDMI FFC (FOIL SIDE)



FRONT HDMI FFC (COMPONENT SIDE)



FRONT HDMI FFC (FOIL SIDE)



鉛フリー半田
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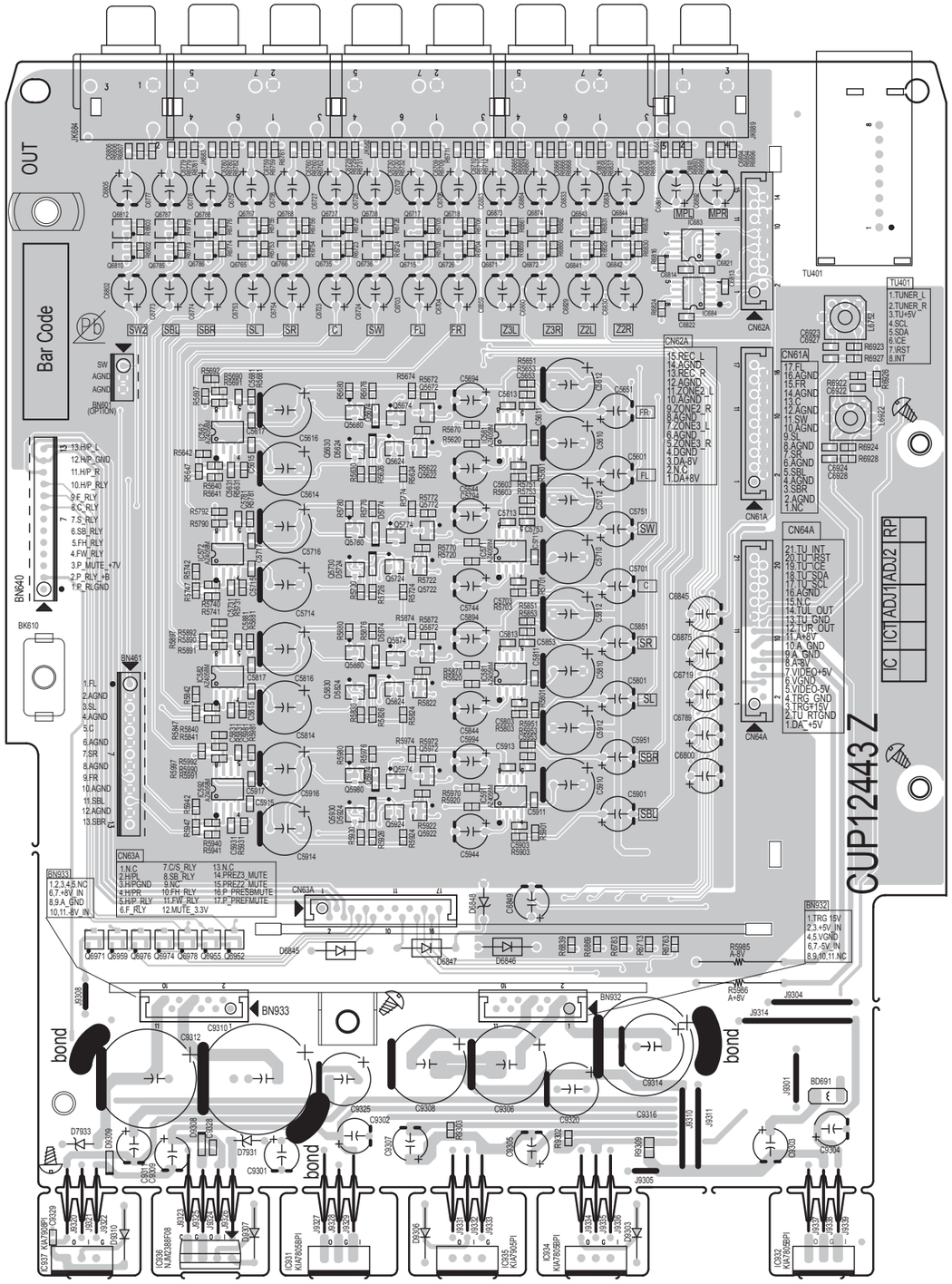
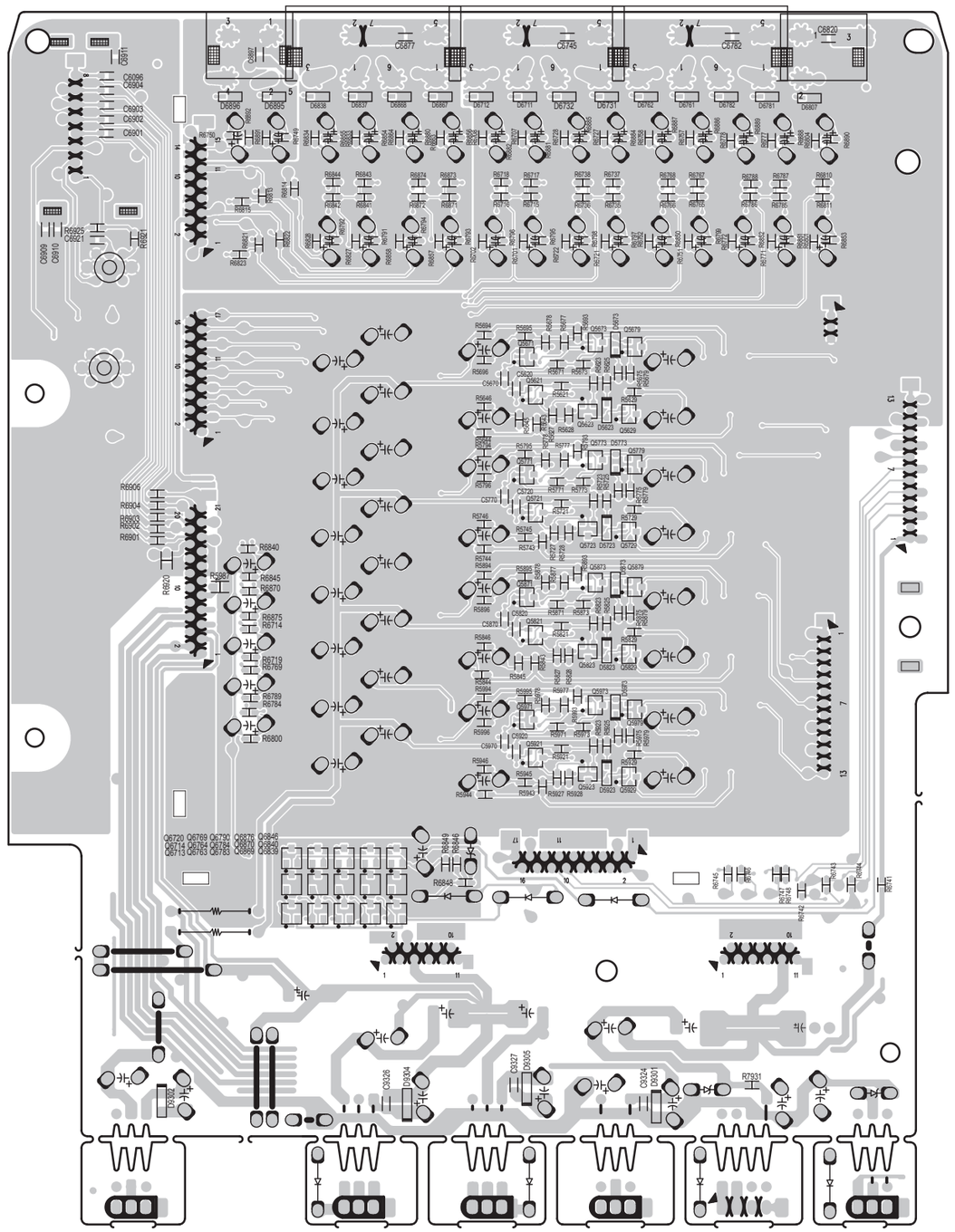
PREOUT (COMPONENT SIDE)



PREOUT (FOIL SIDE)



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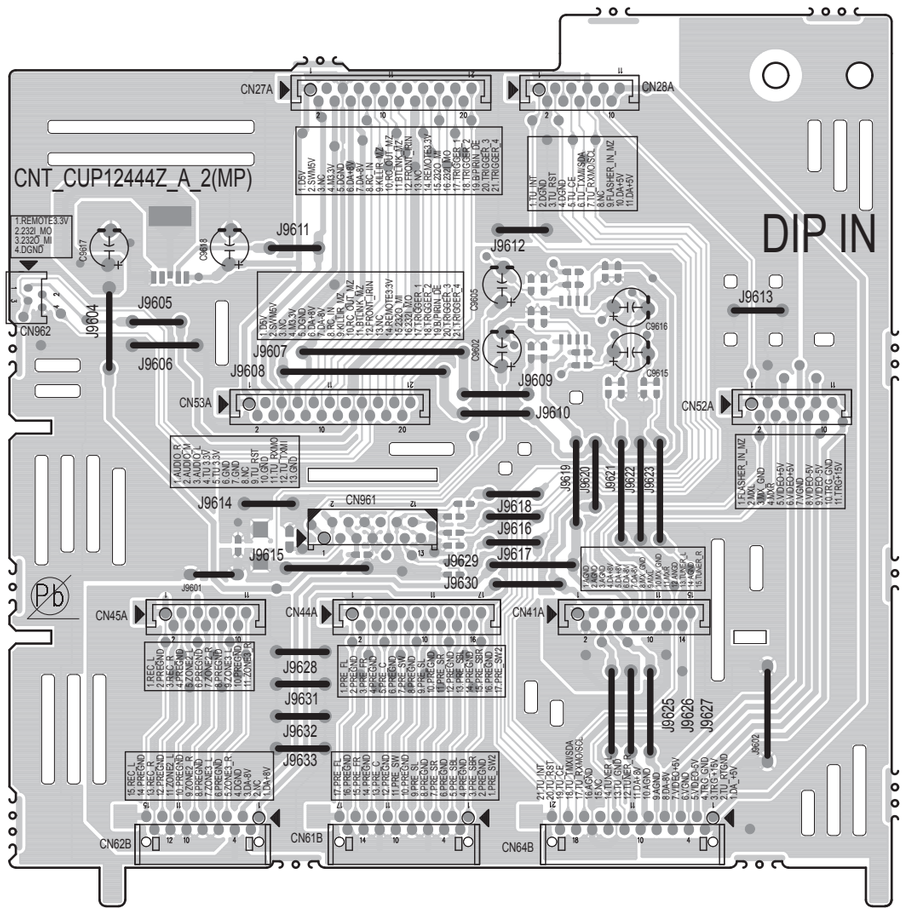
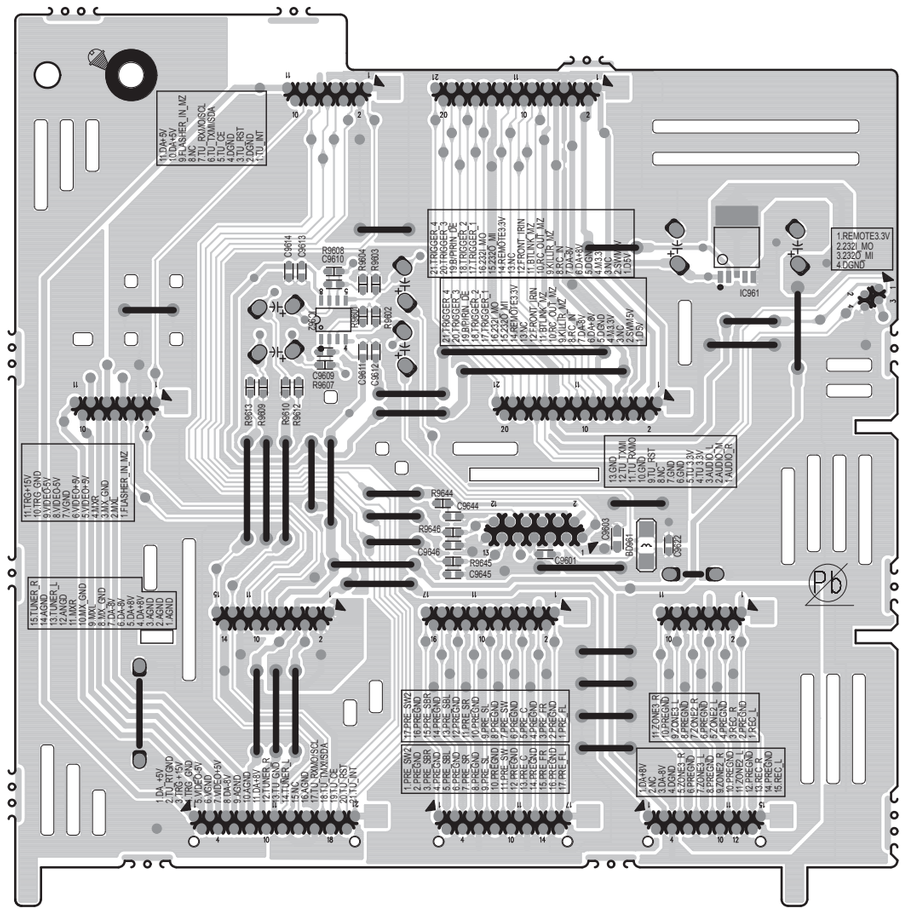
SIDE CNT (COMPONENT SIDE)



SIDE CNT (FOIL SIDE)



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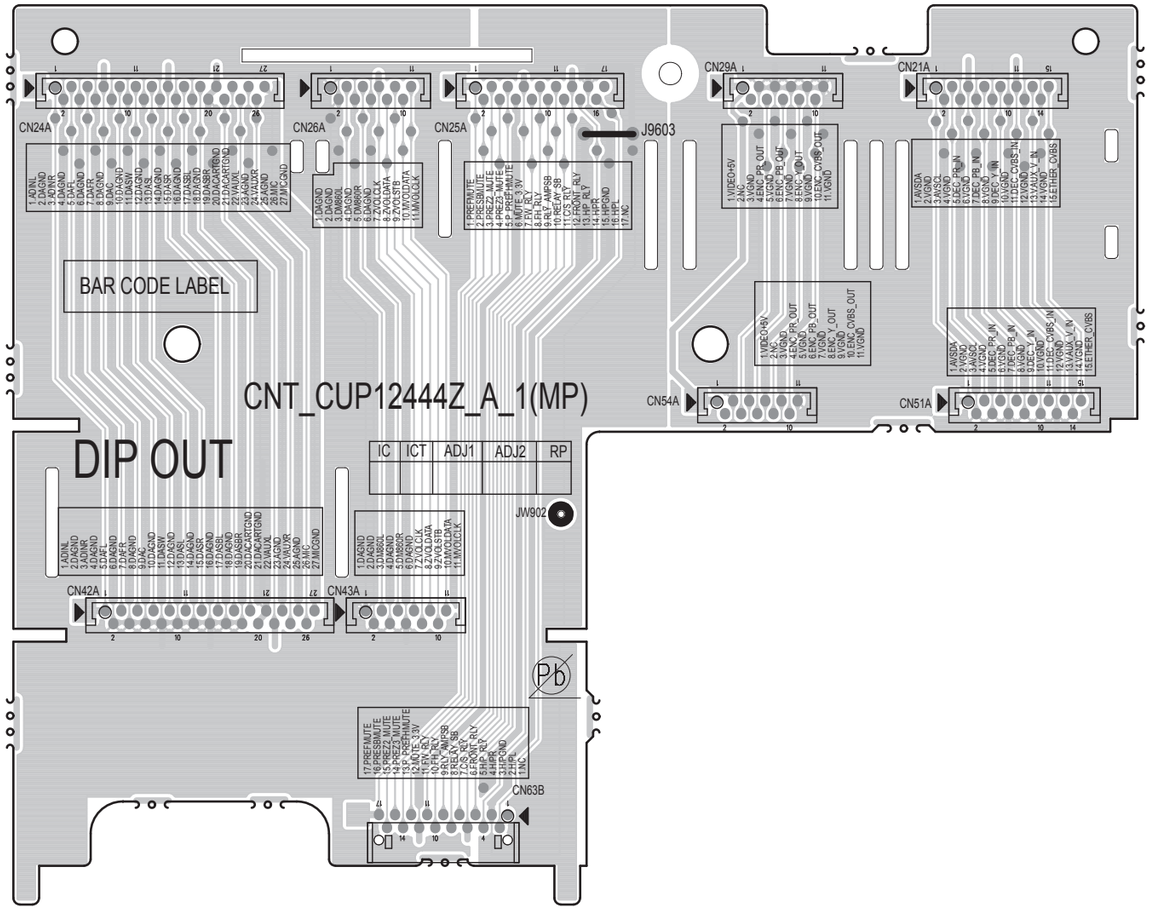
FRONT CNT
(COMPONENT SIDE)



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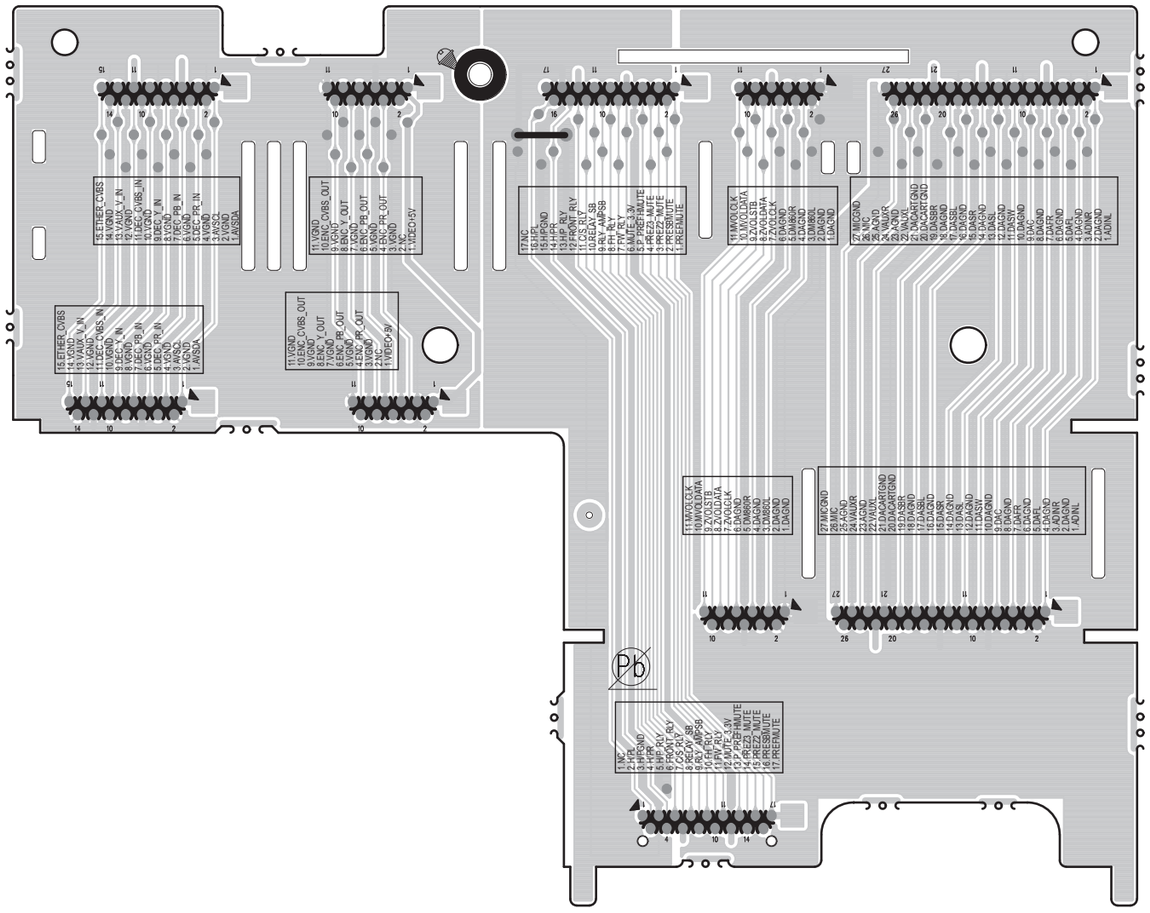
FRONT CNT
(FOIL SIDE)



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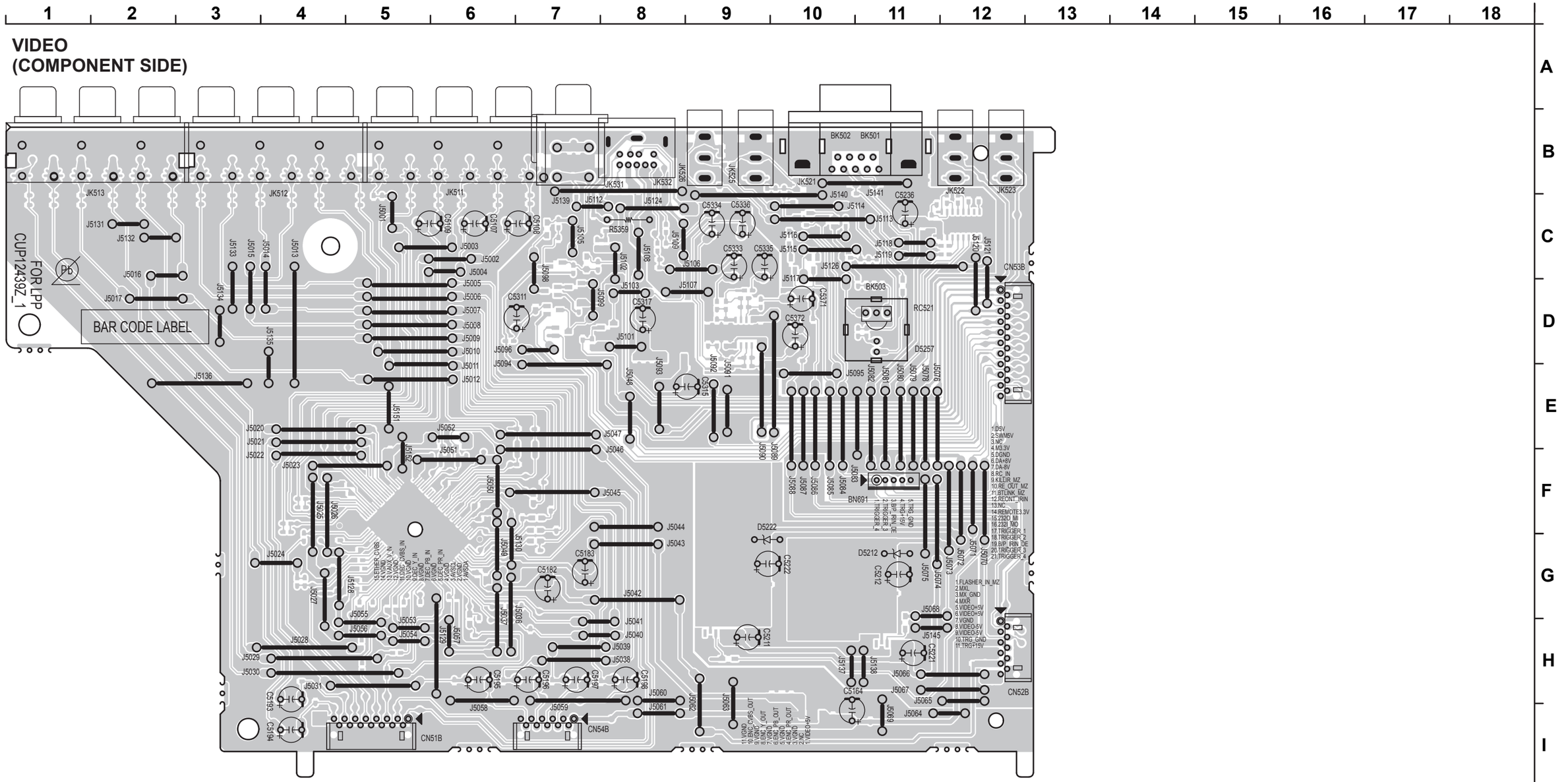
VIDEO
(COMPONENT SIDE)



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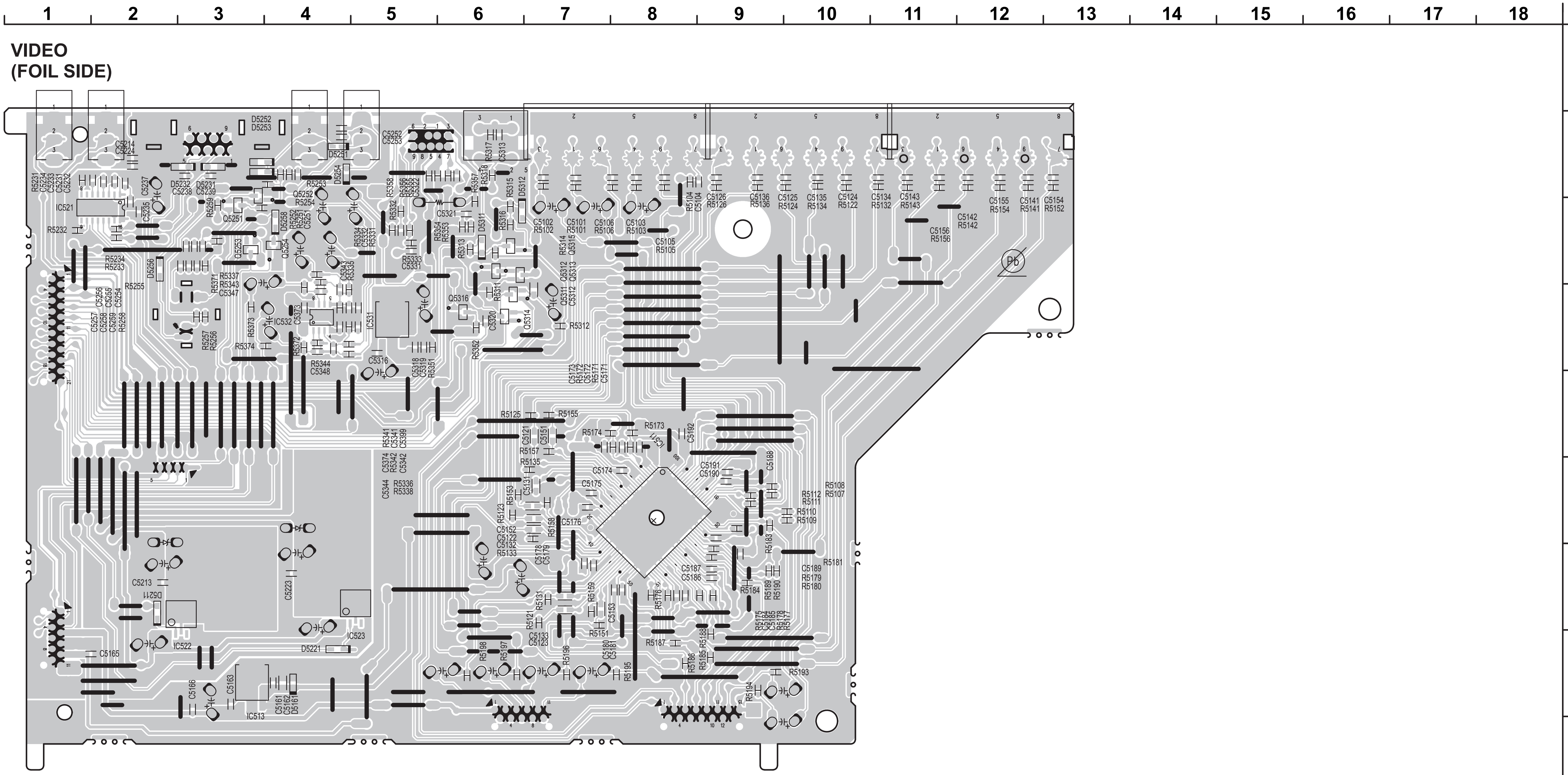

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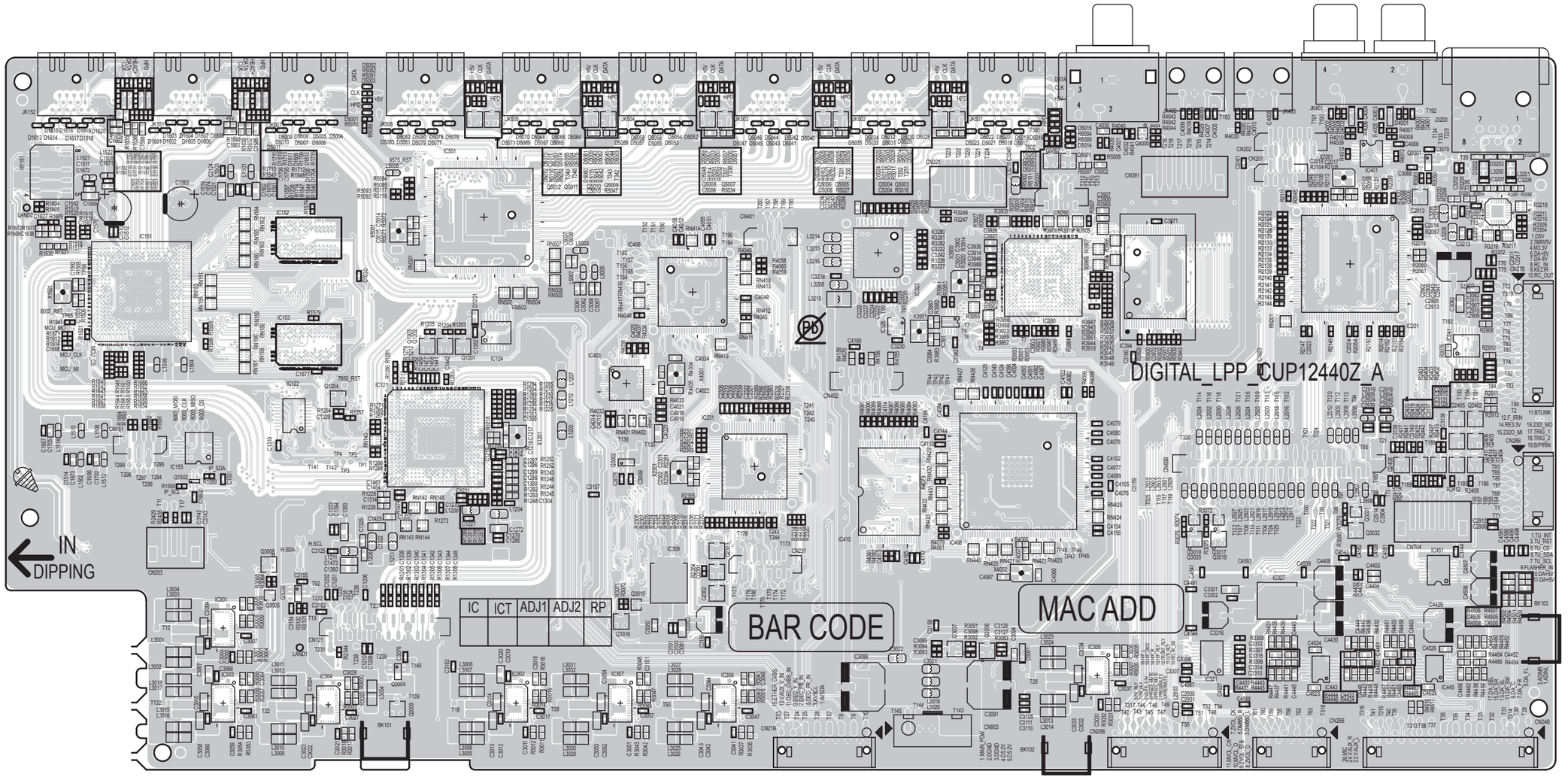
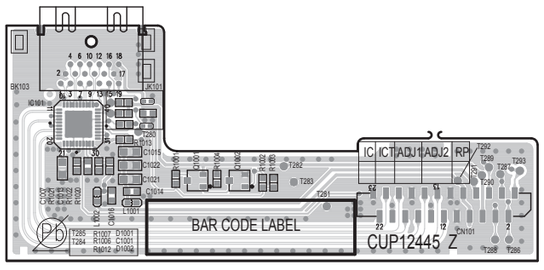
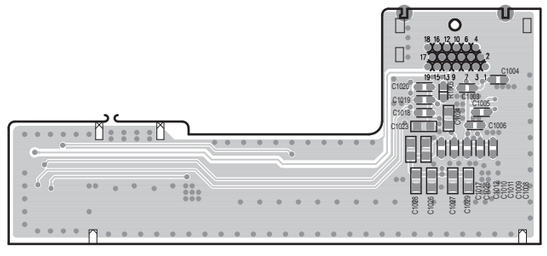
HDMI (COMPONENT SIDE)



FRONT HDMI (COMPONENT SIDE)



FRONT HDMI (FOIL SIDE)



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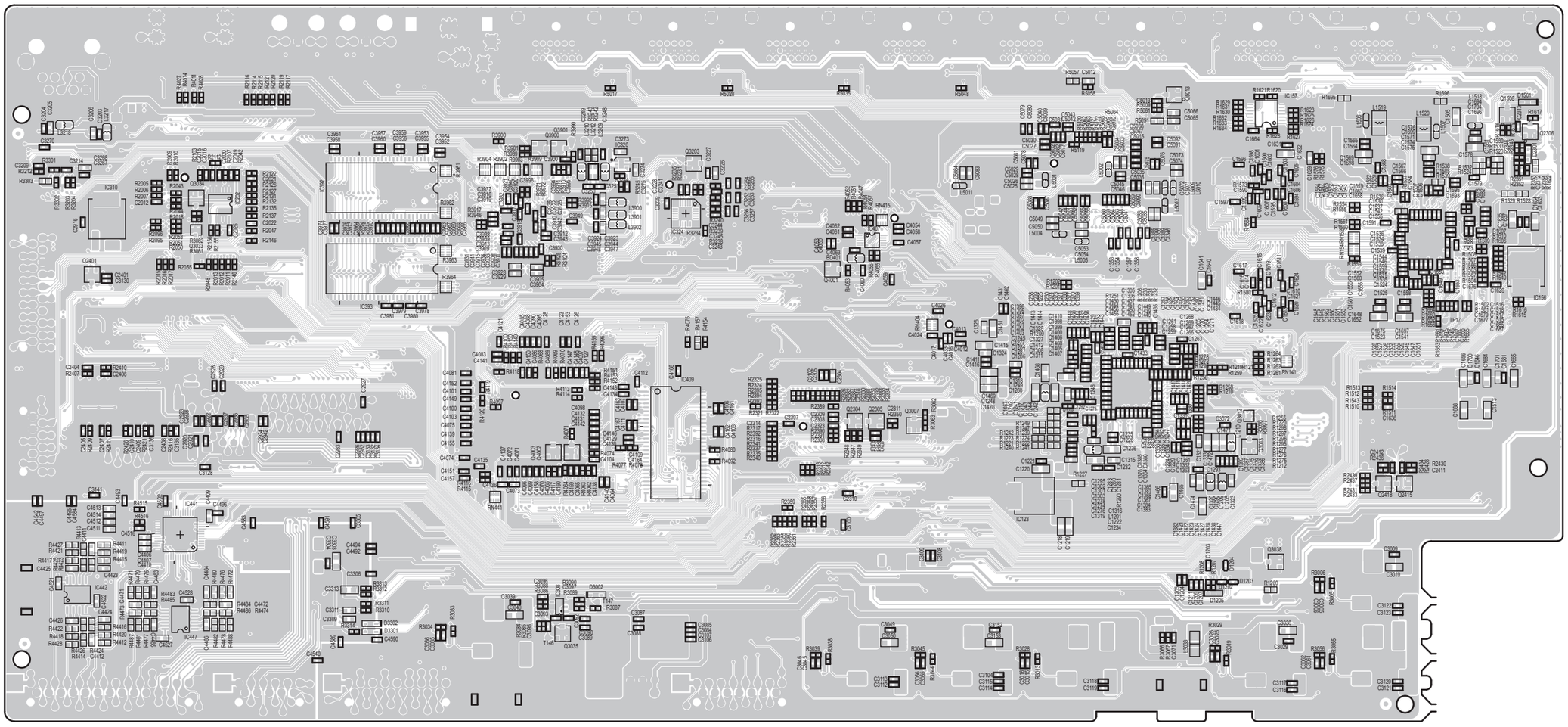
HDMI
(FOIL SIDE)



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AV7701
FRONT B'D

1 2 3 4 5 6 7 8

A B C D E F

TO CN69B

PAGE 13_B1
TO DIGITAL CON.

CN69A

VOLUME & REMOTE PART

H/P PART

USB PART

BN321

TO ETHERNET PHY (PAGE 23_C6)

TO CN321

GND ISLAND

ST-BY LED PART

MIC JACK

GND PLATE

FROM MAIN TRANS

K1

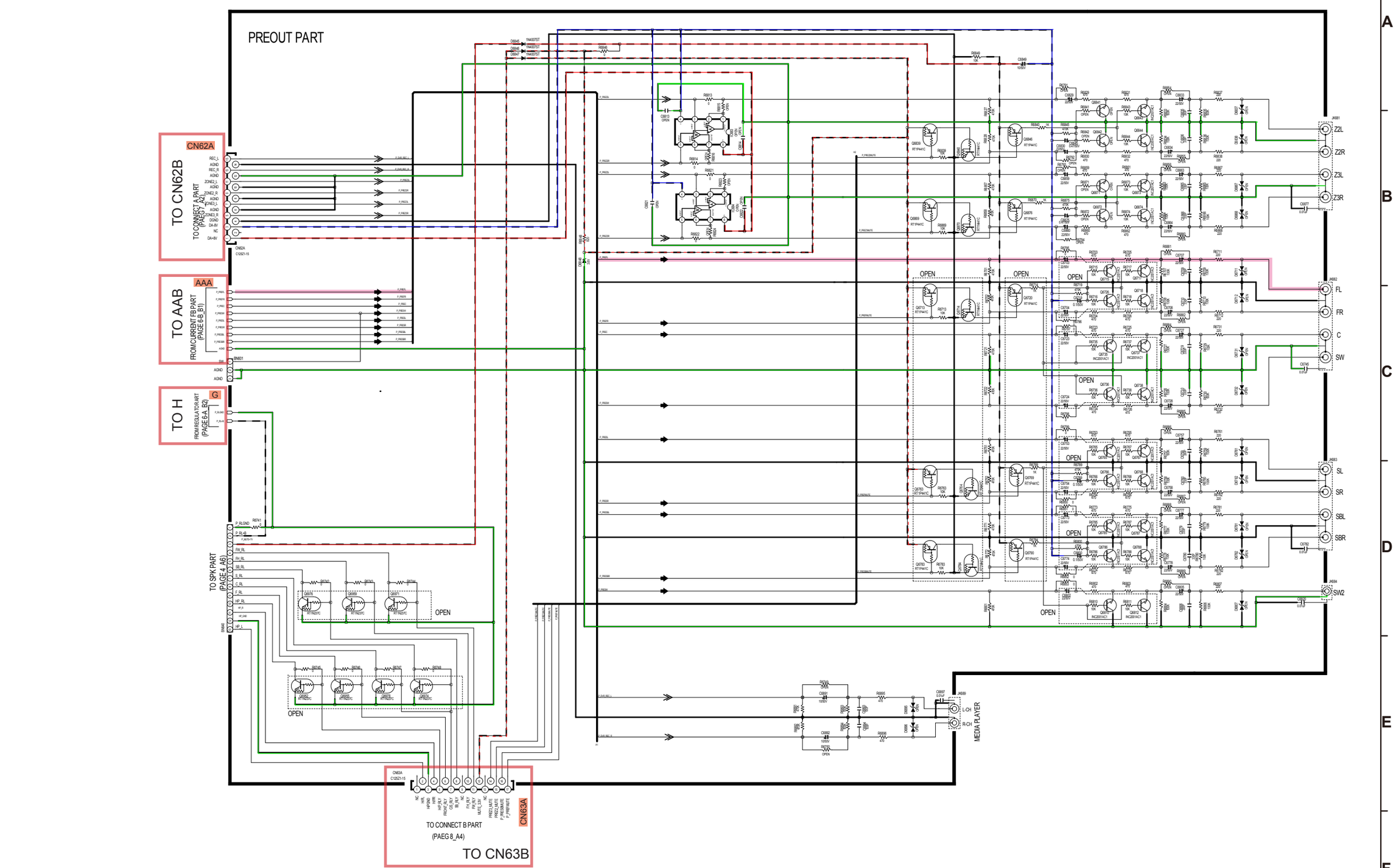
K2

K3

UP RIGHT ENTER DOWN LEFT DISPLAY MUSIC M.DAX

GND
POWER +
POWER -
STBY POWER

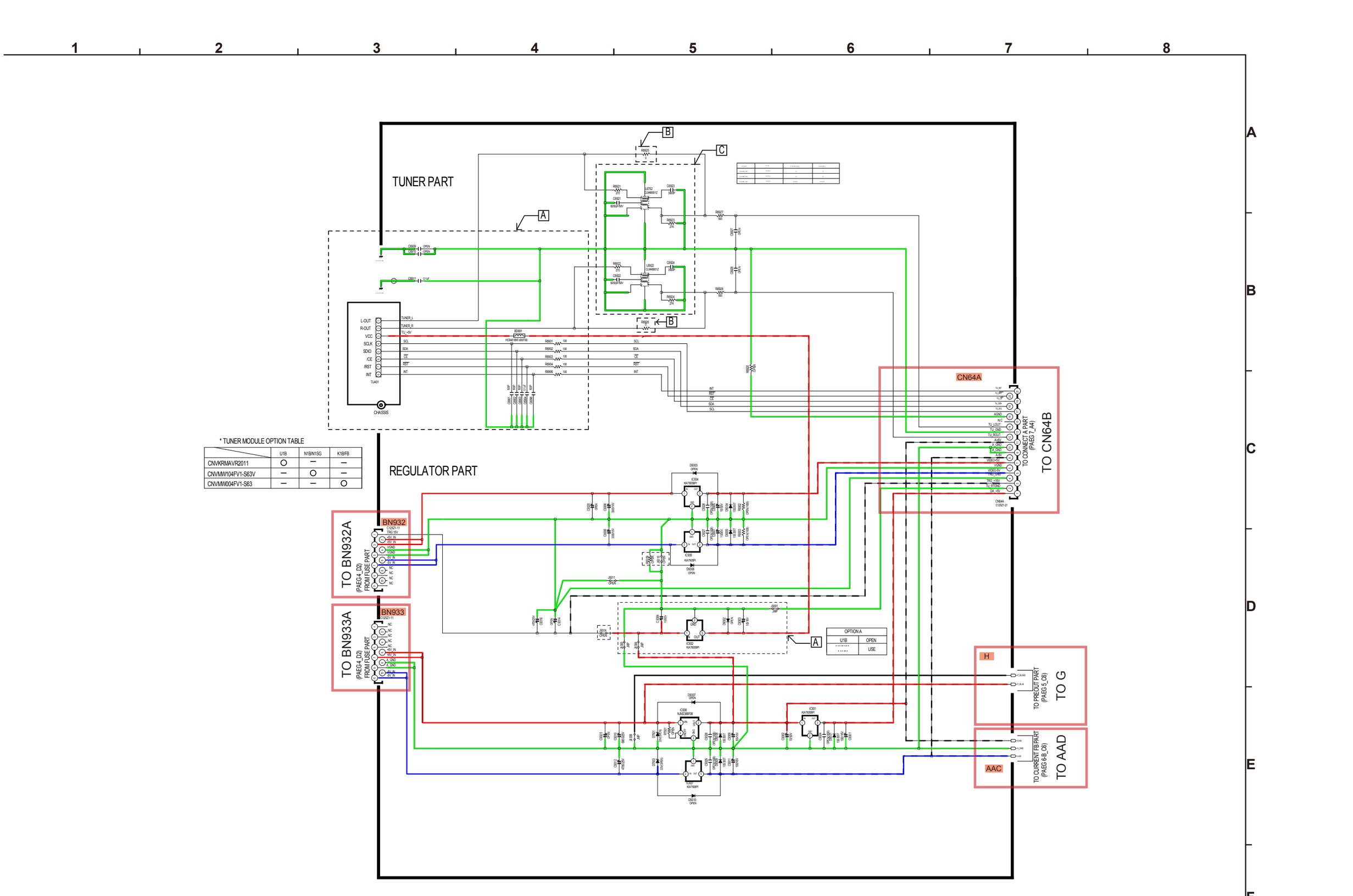
SCHEMATIC DIAGRAMS (1/31)
FRONT UNIT



GND POWER + POWER - STBY POWER ANALOG AUDIO SIGNAL LINE

SCHEMATIC DIAGRAMS (2/31)

SPK/PREOUT/REG UNIT (1/3)

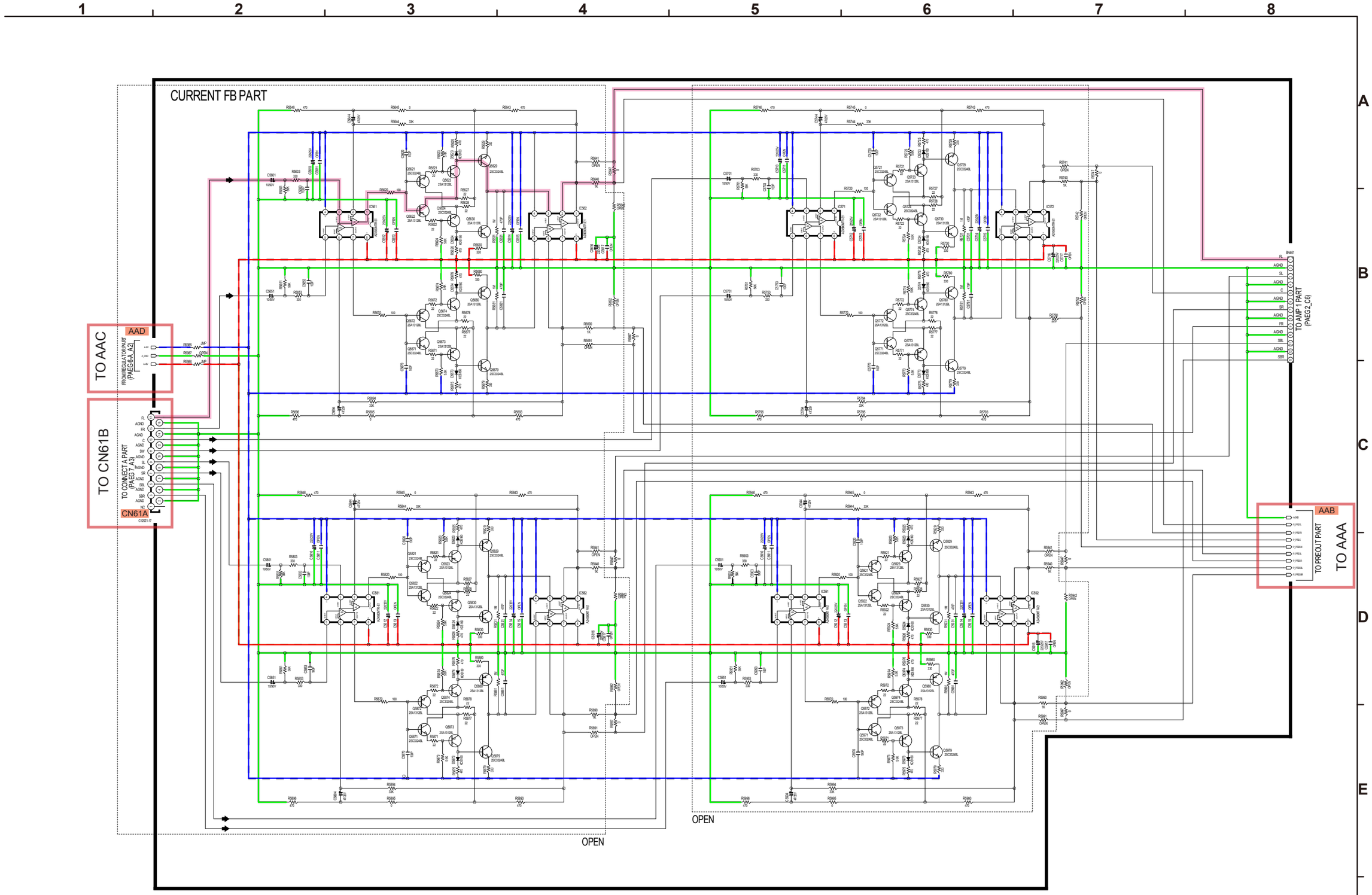


* TUNER MODULE OPTION TABLE

	U1B	N1BN1SG	K1BFB
CNVKRMAVR2011	○	—	—
CNVMW104FV1-S63V	—	○	—
CNVMW004FV1-S63	—	—	○

GND POWER + POWER - STBY POWER

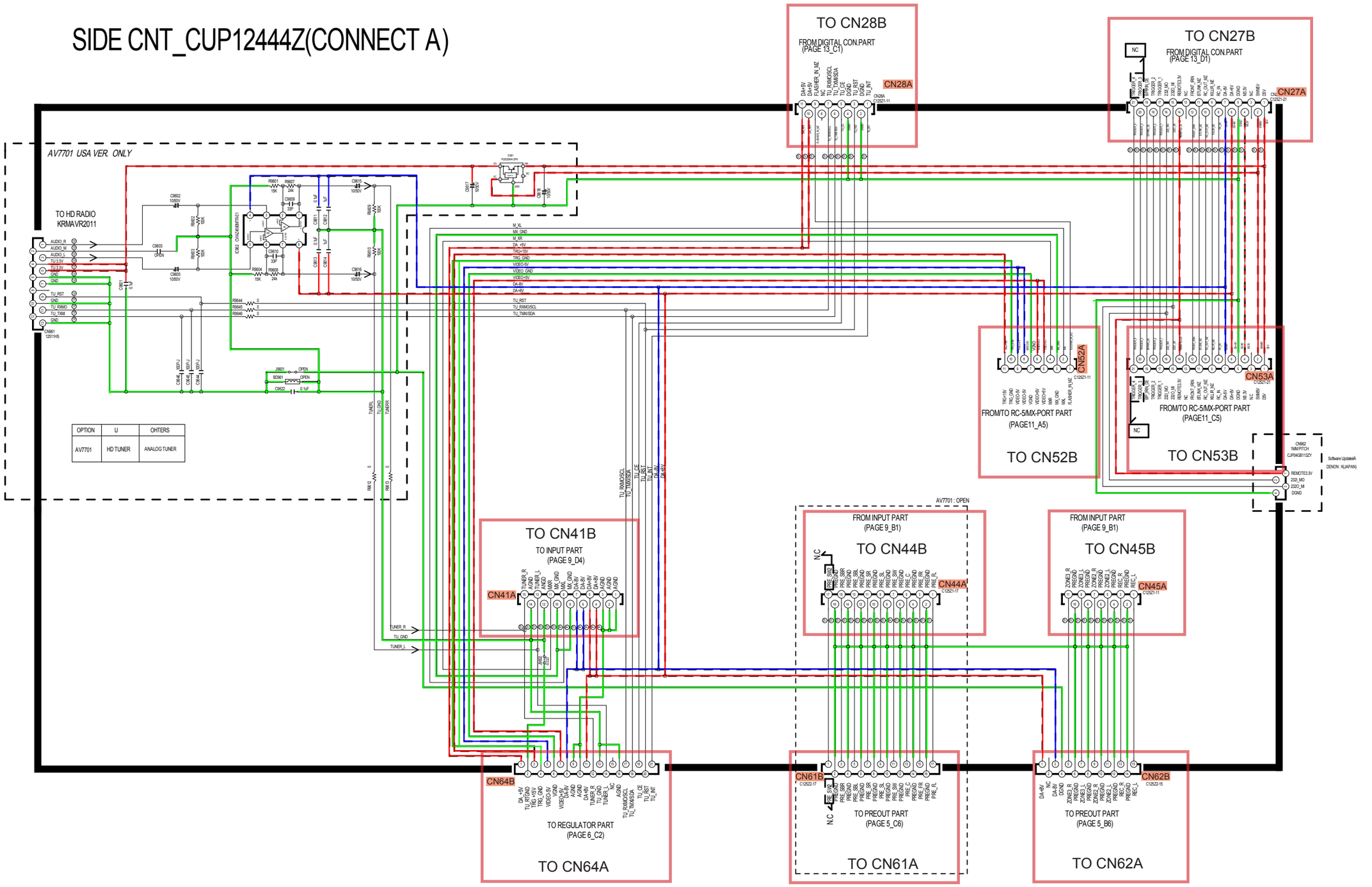
SCHEMATIC DIAGRAMS (3/31)
SPK/PREOUT/REG UNIT (2/3)



SCHEMATIC DIAGRAMS (4/31)

SPK/PREOUT/REG UNIT (3/3)

SIDE CNT_CUP12444Z(CONNECT A)

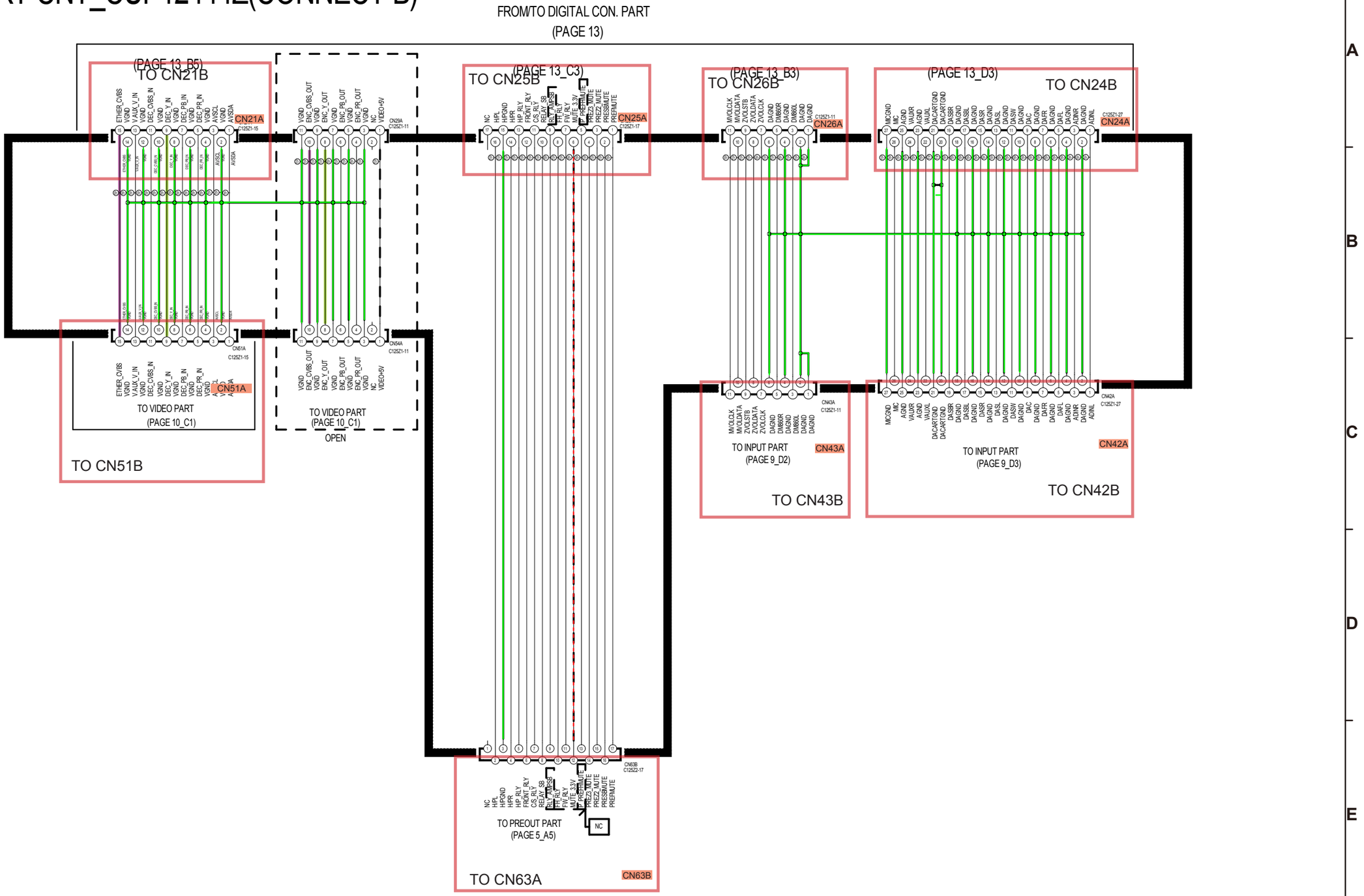


GND — POWER + — POWER - — STBY POWER

SCHEMATIC DIAGRAMS (5/31)

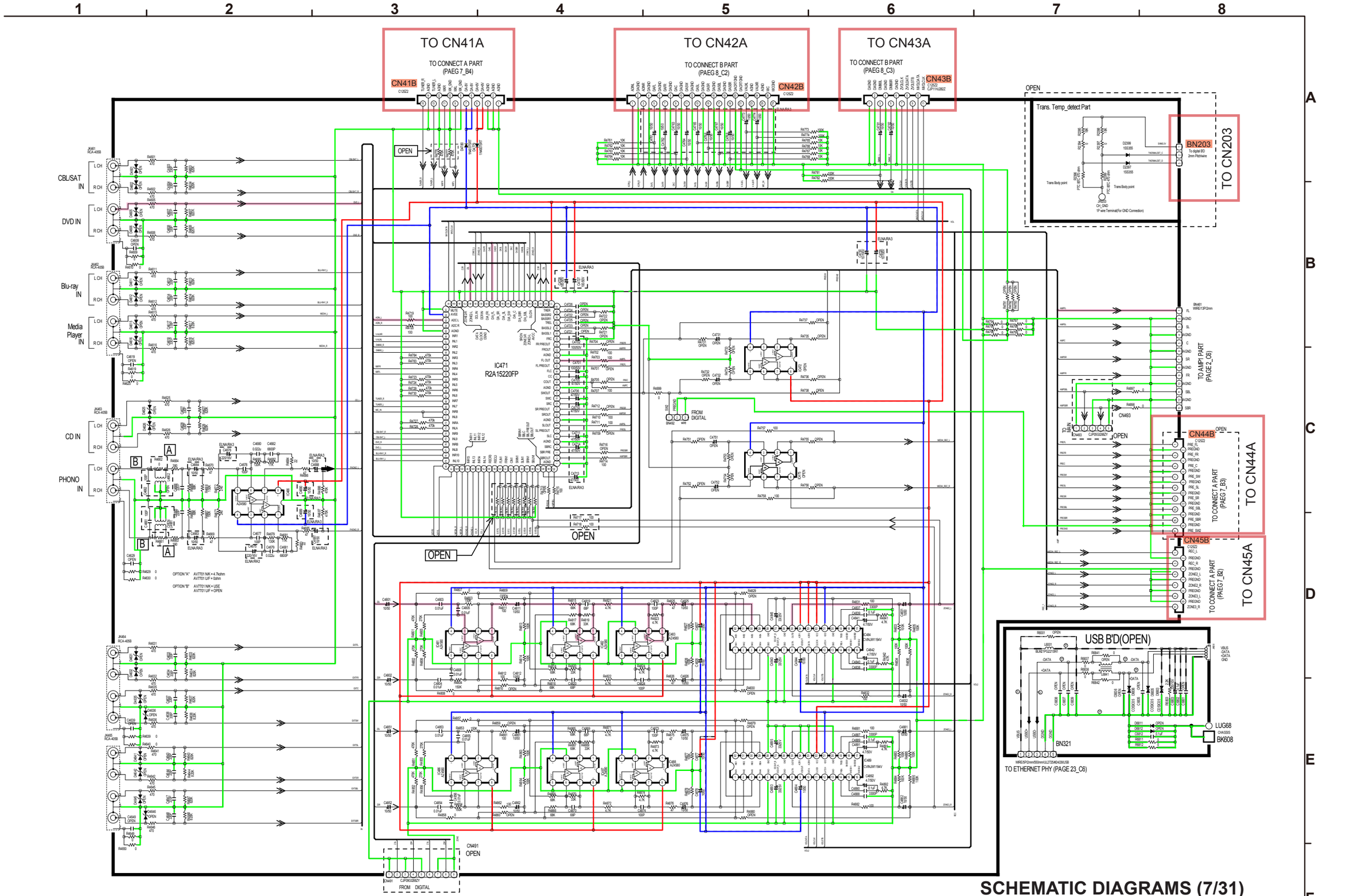
CNT/RS232C UNIT (1/2)

FRT CNT_CUP12444Z(CONNECT B)



GND — POWER + — POWER - — -----STBY POWER — VIDEO SIGINAL LINE — COMPONENT (Y) SIGNAL LINE

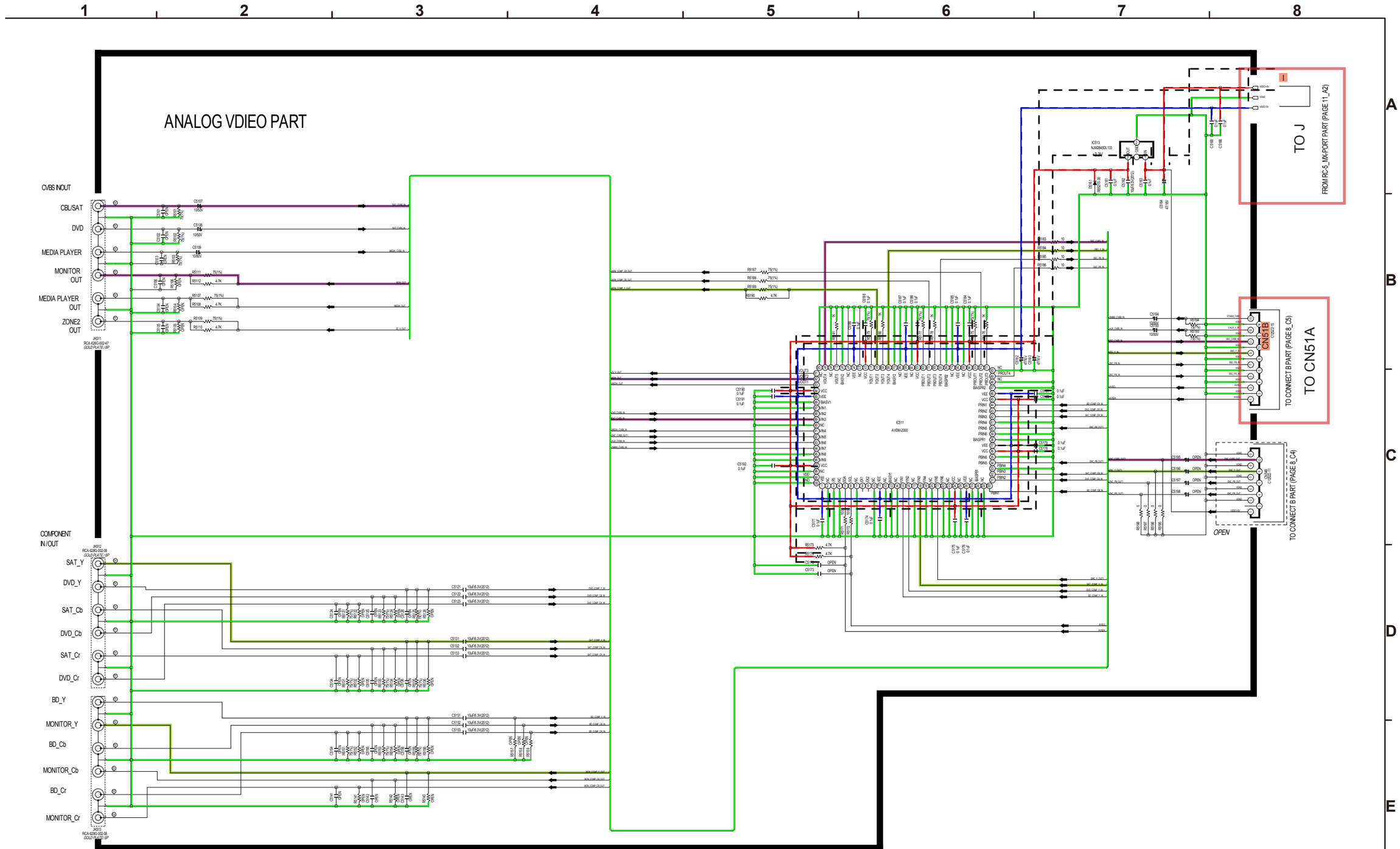
SCHEMATIC DIAGRAMS (6/31)
CNT/RS232C UNIT (2/2)



GND — POWER + — POWER - — ----STBY POWER — ANALOG AUDIO SIGNAL LINE

SCHEMATIC DIAGRAMS (7/31)

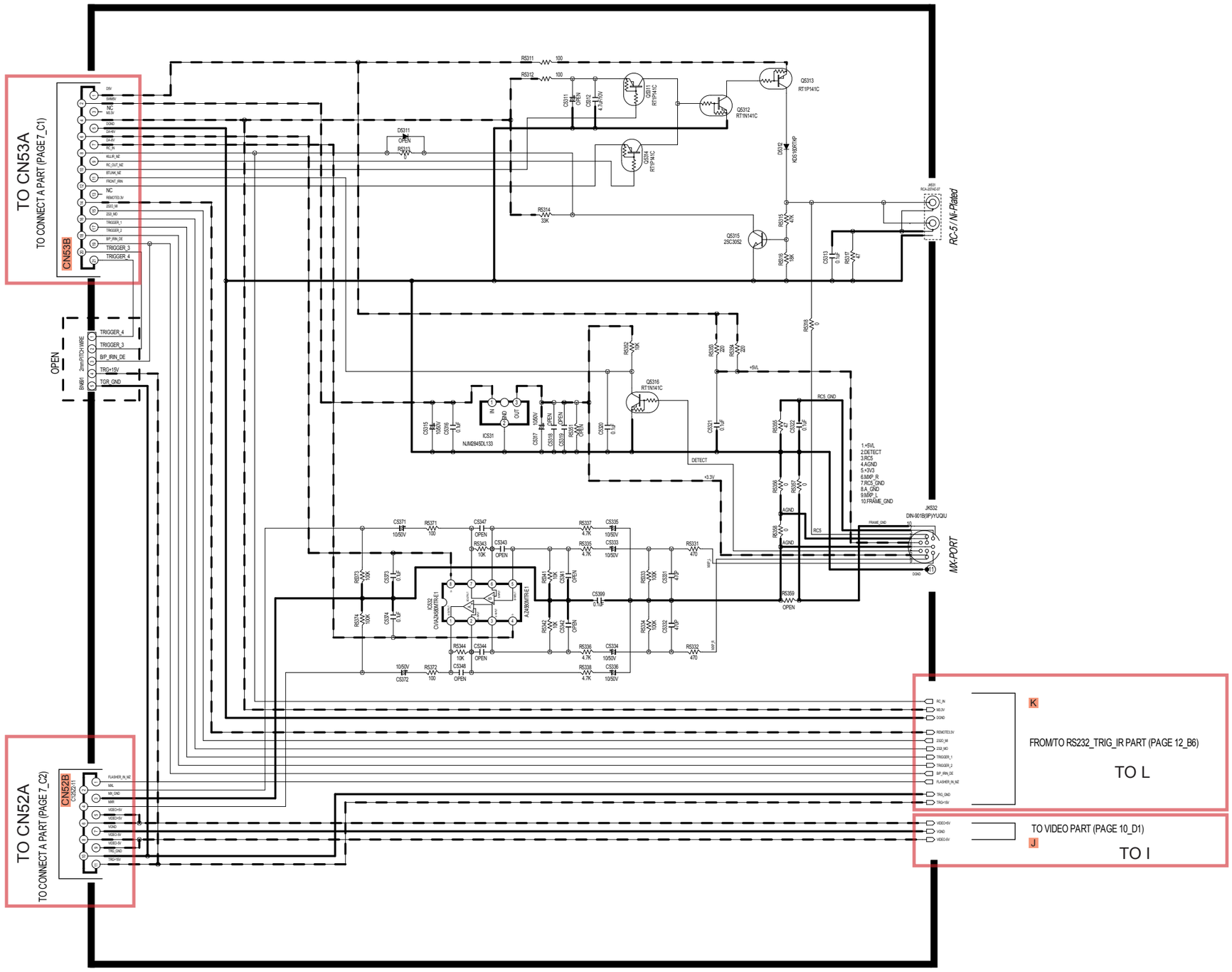
INPUT UNIT
USB UNIT



GND — POWER + — POWER - — STBY POWER — VIDEO SIGINAL LINE — COMPONENT (Y) SIGNAL LINE

SCHEMATIC DIAGRAMS (8/31)

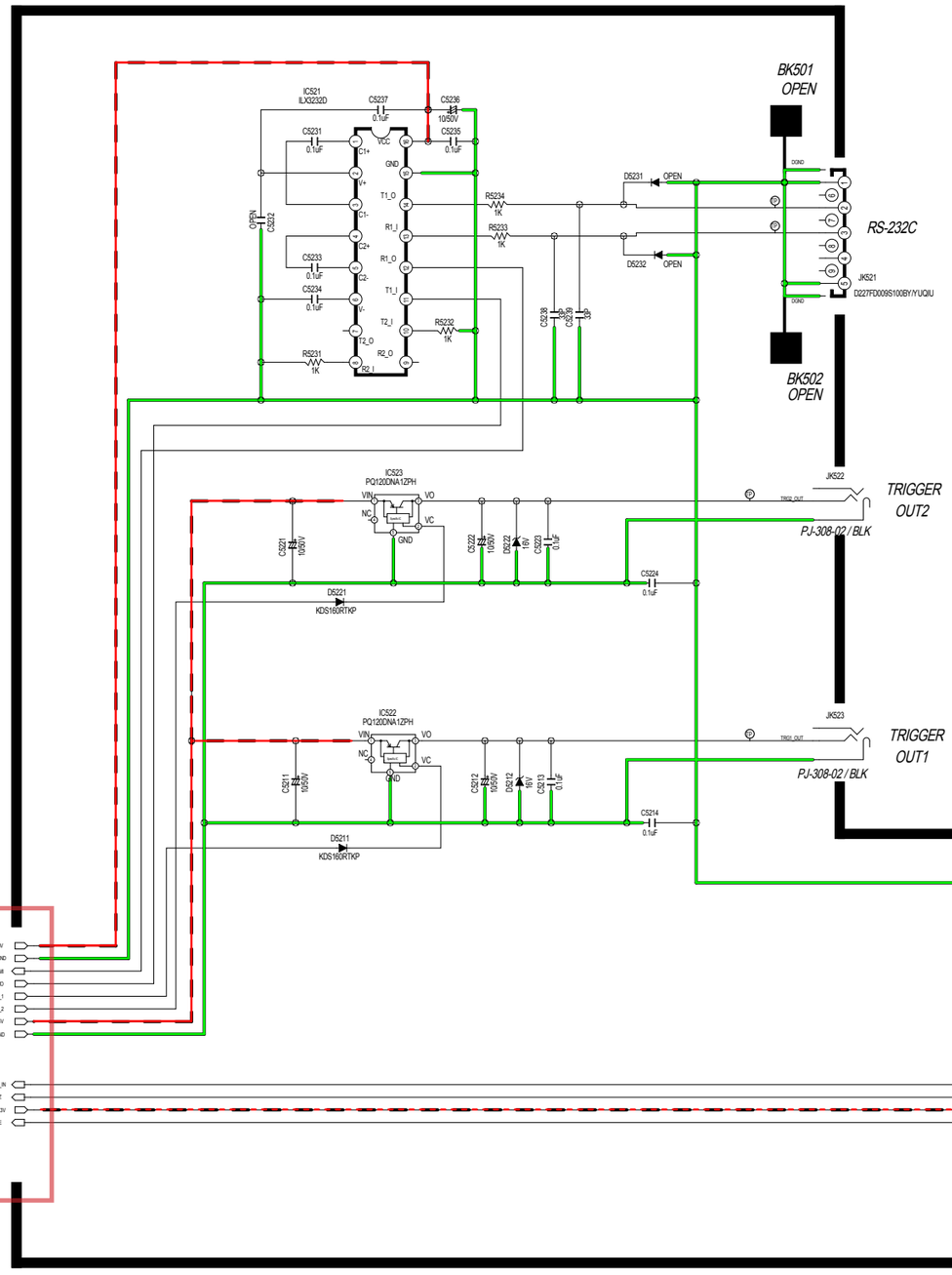
VIDEO UNIT (1/3)



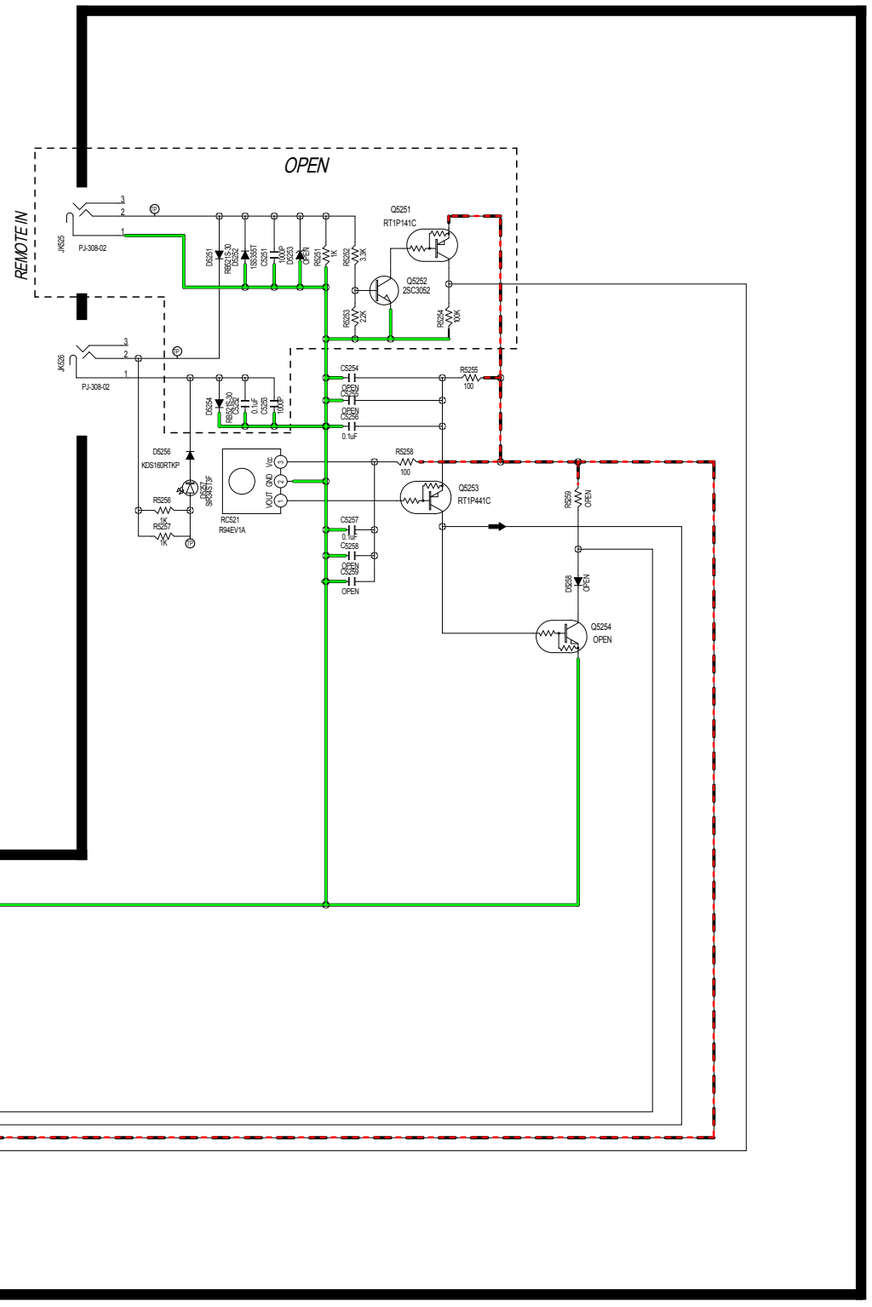
GND POWER + POWER - STBY POWER

SCHEMATIC DIAGRAMS (9/31)
VIDEO UNIT (2/3)

RS232C/TRIGGER

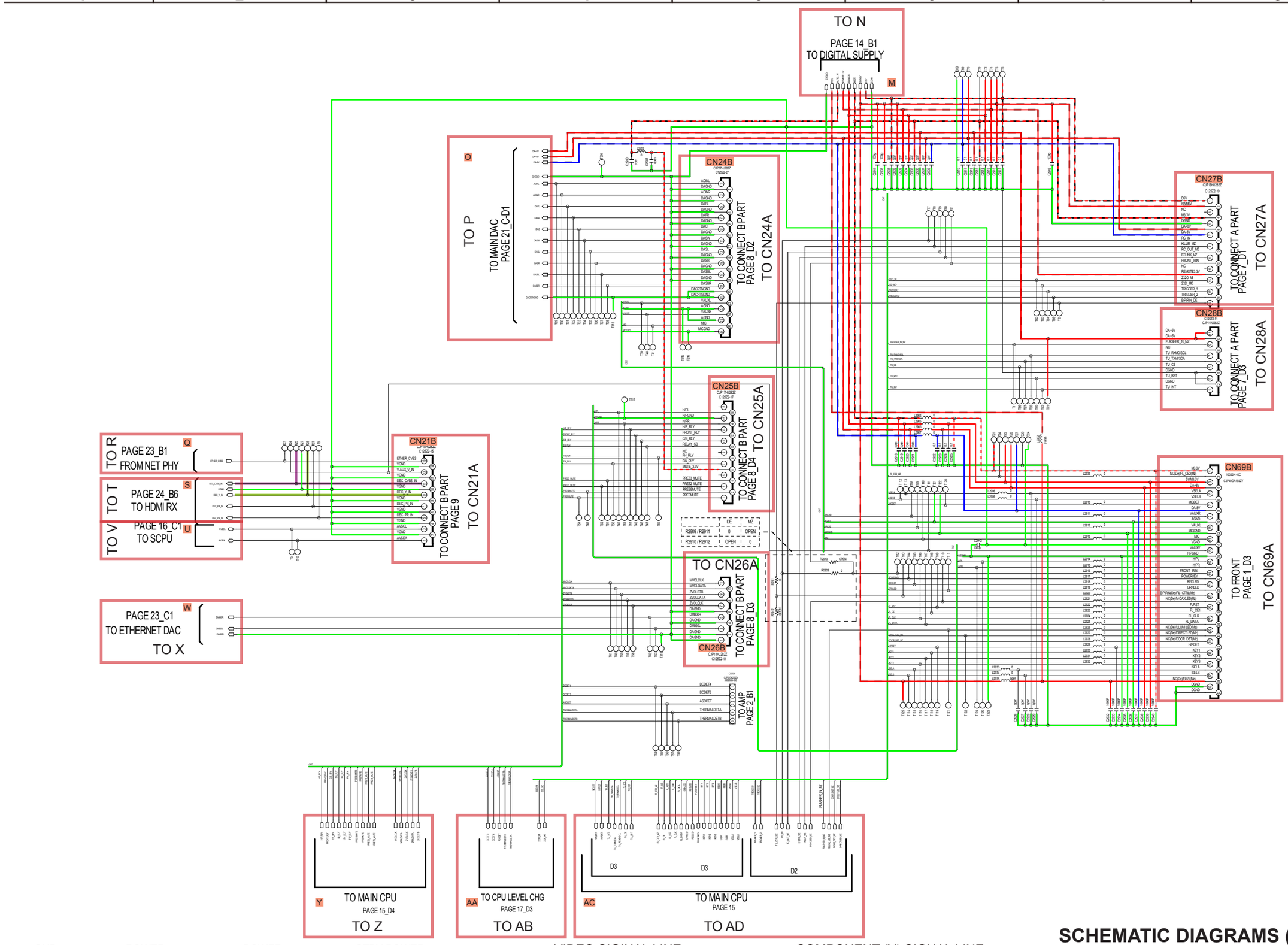


IR / FLASHER

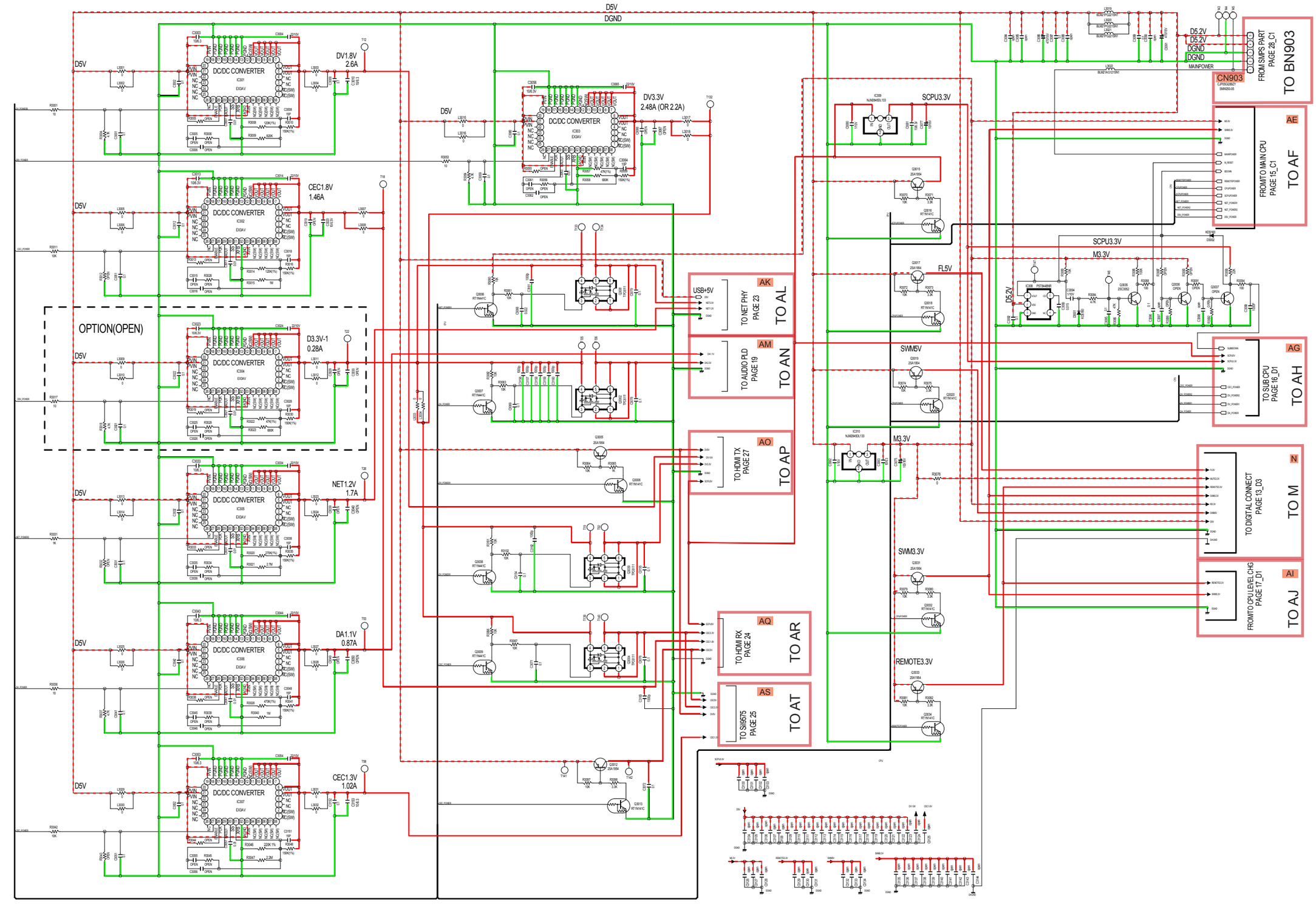


GND — POWER + — POWER - — - - - - STBY POWER

SCHEMATIC DIAGRAMS (10/31)
VIDEO UNIT (3/3)

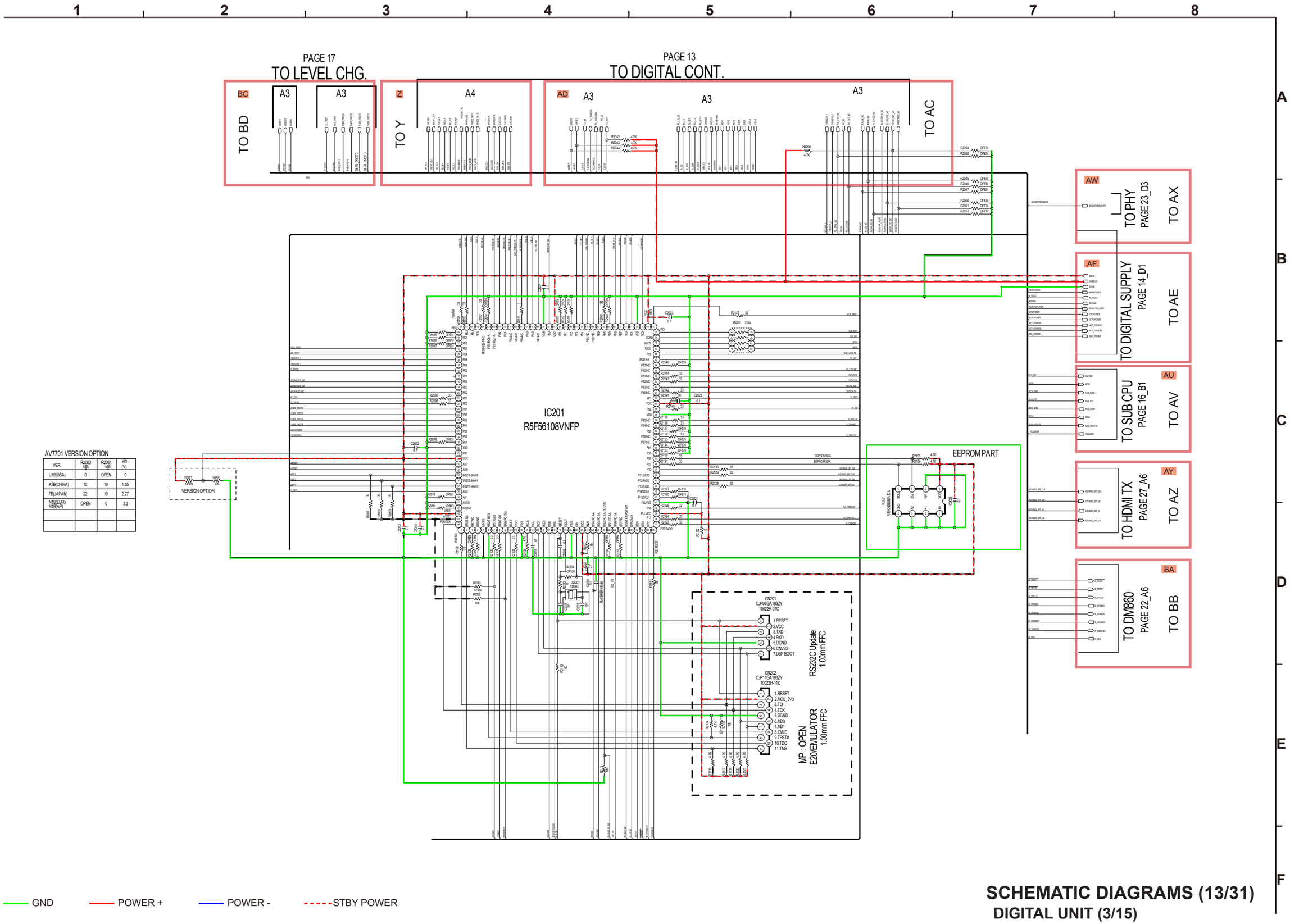


SCHEMATIC DIAGRAMS (11/31)
DIGITAL UNIT (1/15)

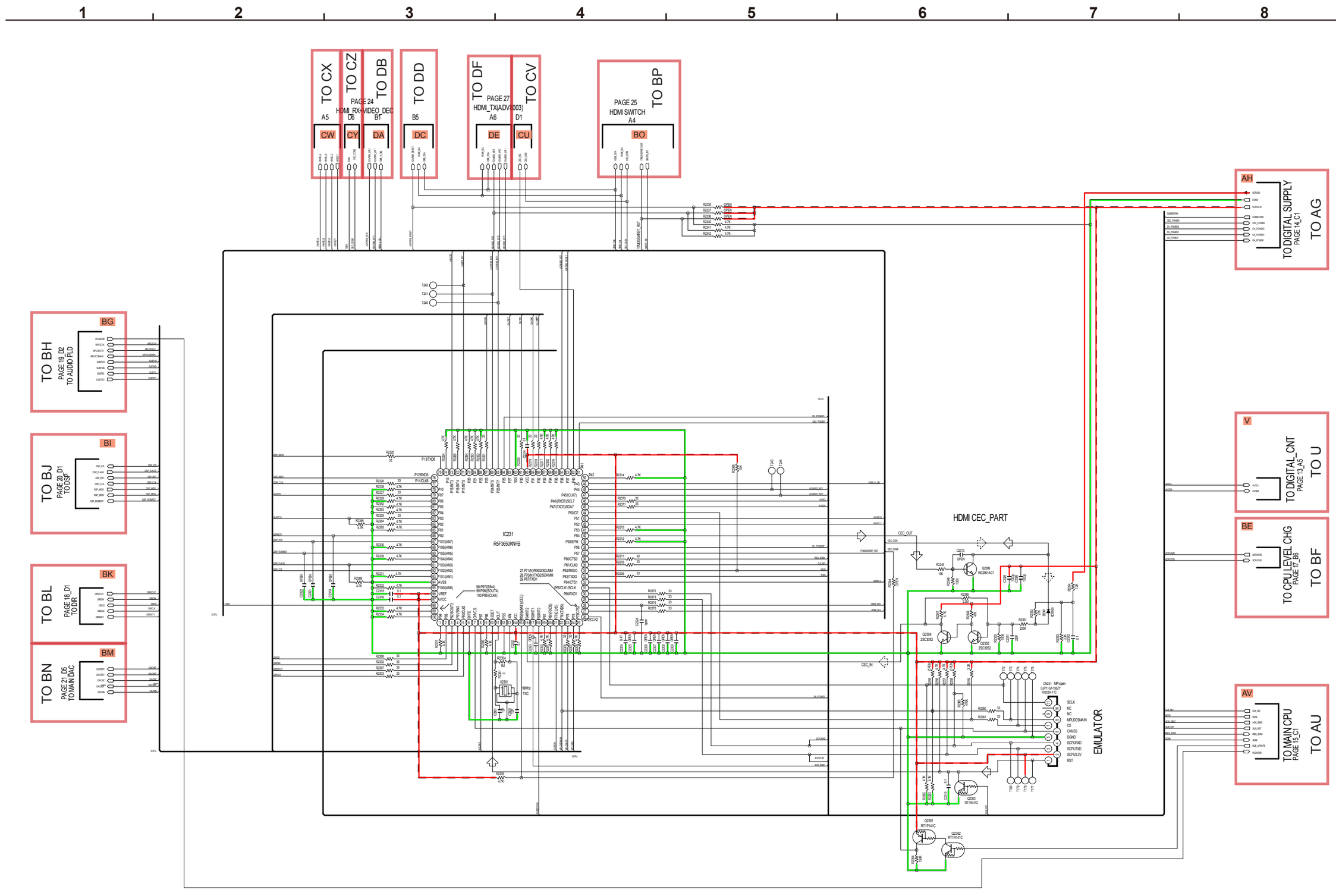


SCHEMATIC DIAGRAMS (12/31)

DIGITAL UNIT (2/15)



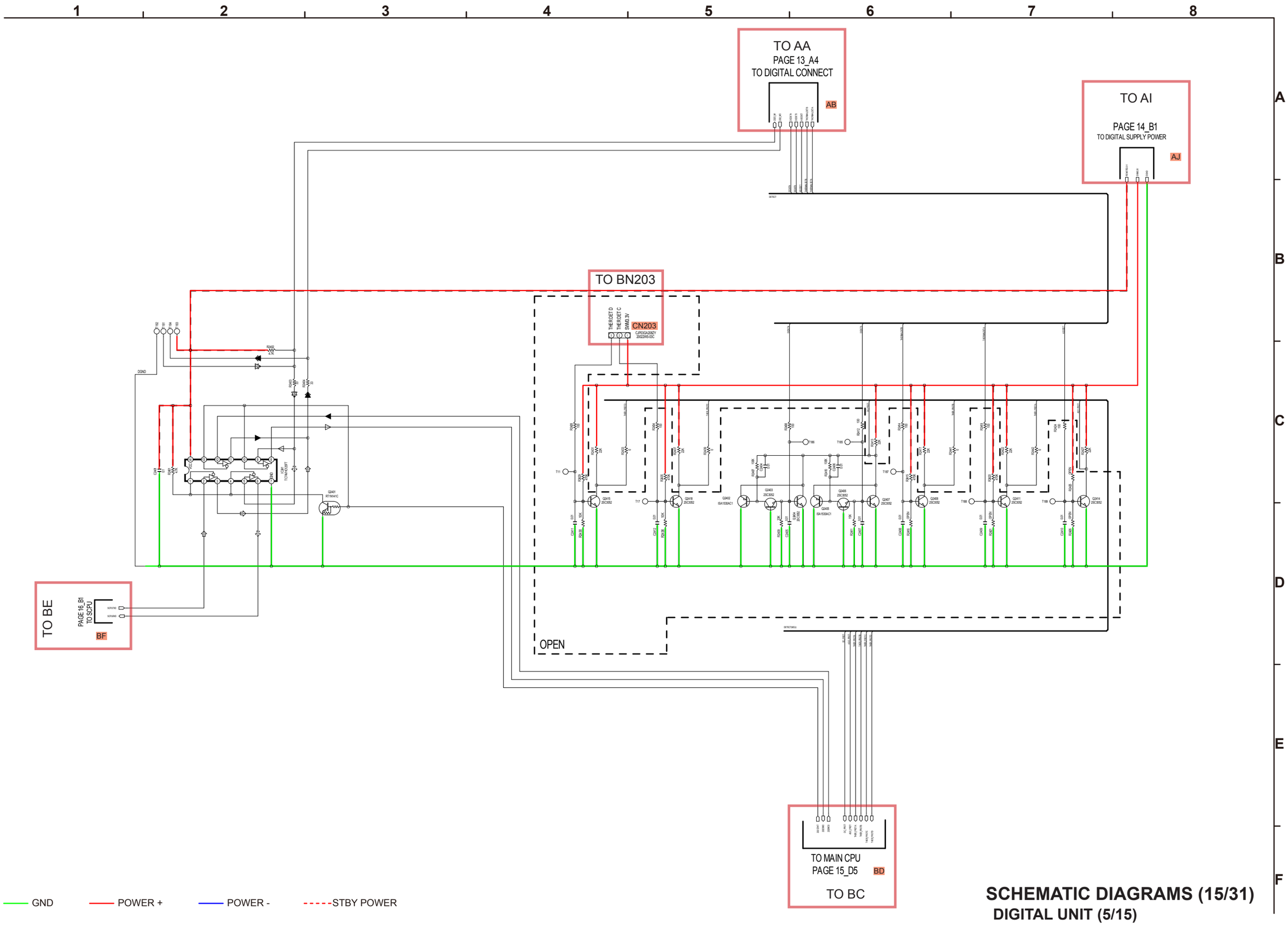
SCHEMATIC DIAGRAMS (13/31)
DIGITAL UNIT (3/15)



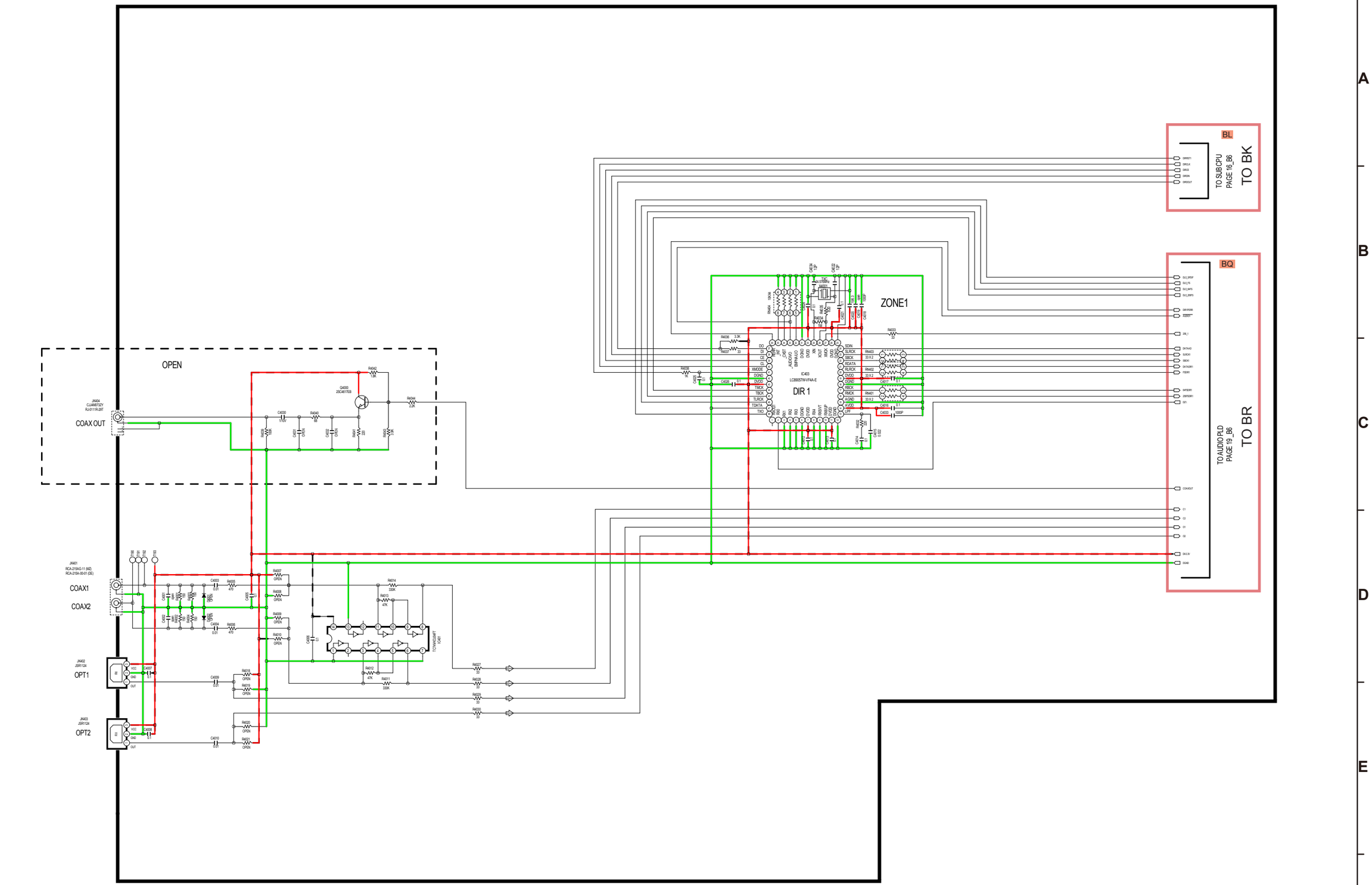
GND POWER + POWER - STBY POWER

SCHEMATIC DIAGRAMS (14/31)

DIGITAL UNIT (4/15)



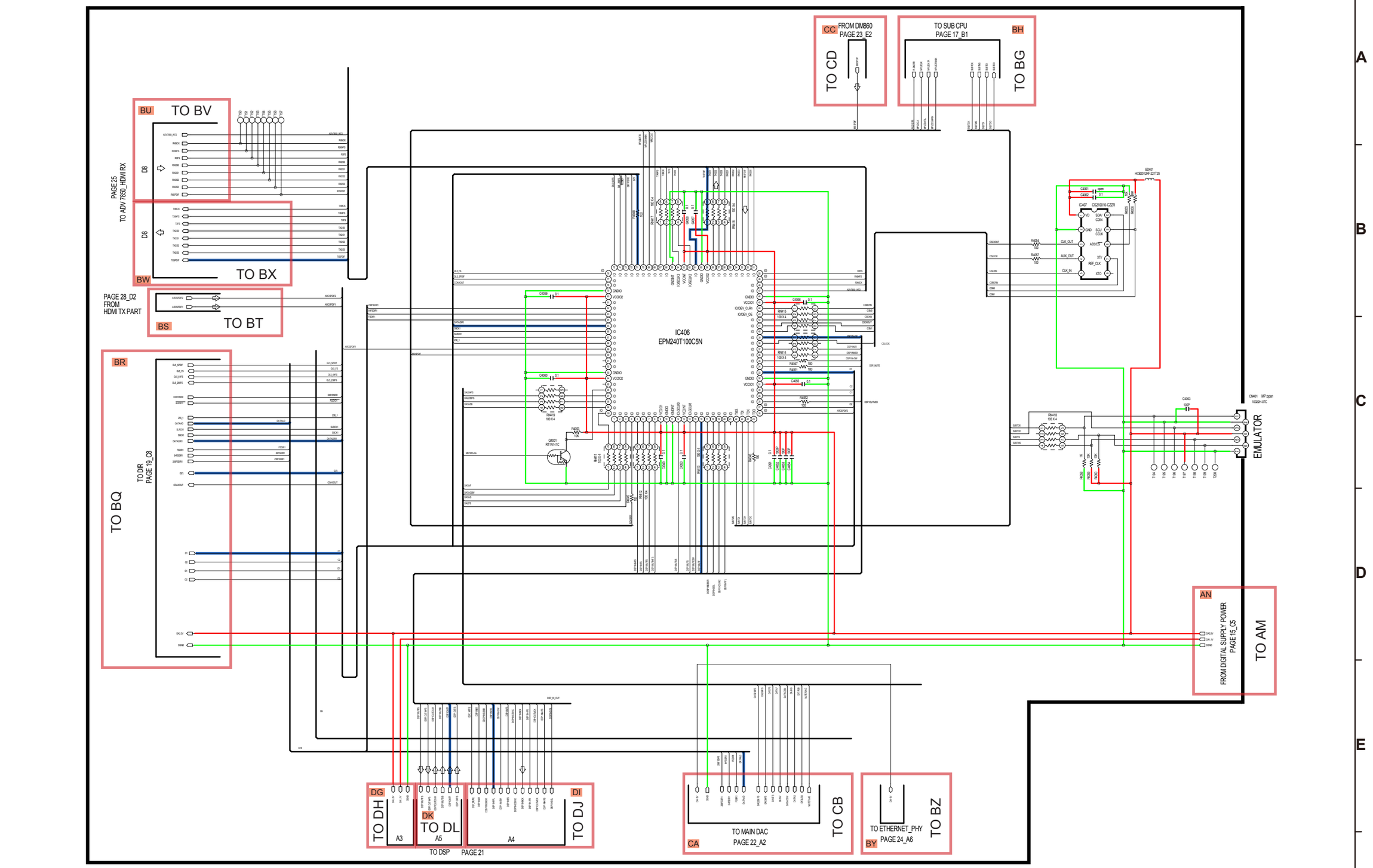
SCHEMATIC DIAGRAMS (15/31)
DIGITAL UNIT (5/15)



GND POWER + POWER - STBY POWER

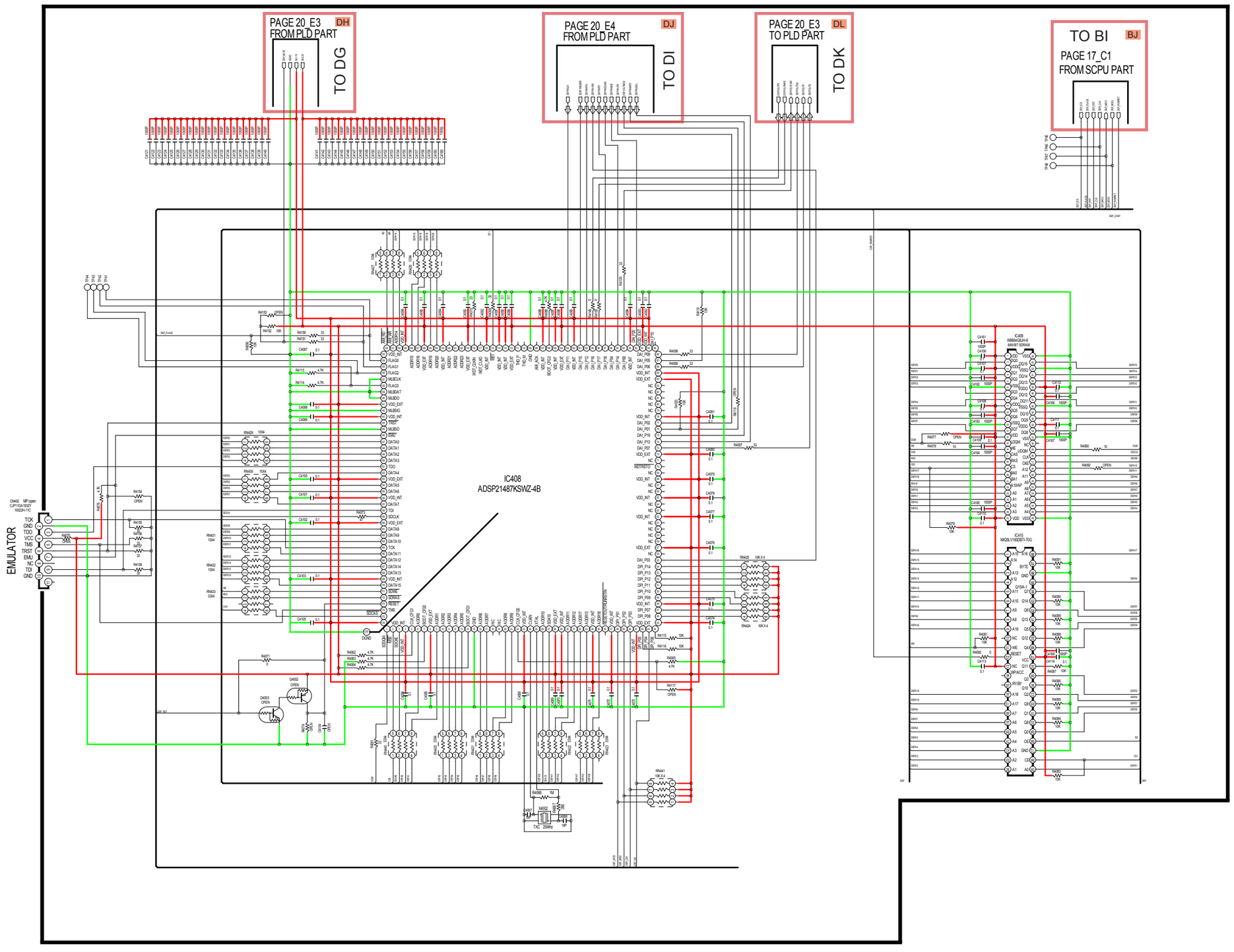
SCHEMATIC DIAGRAMS (16/31)

DIGITAL UNIT (6/15)



GND — POWER + — POWER - — STBY POWER — DIGITAL AUDIO SIGNAL LINE

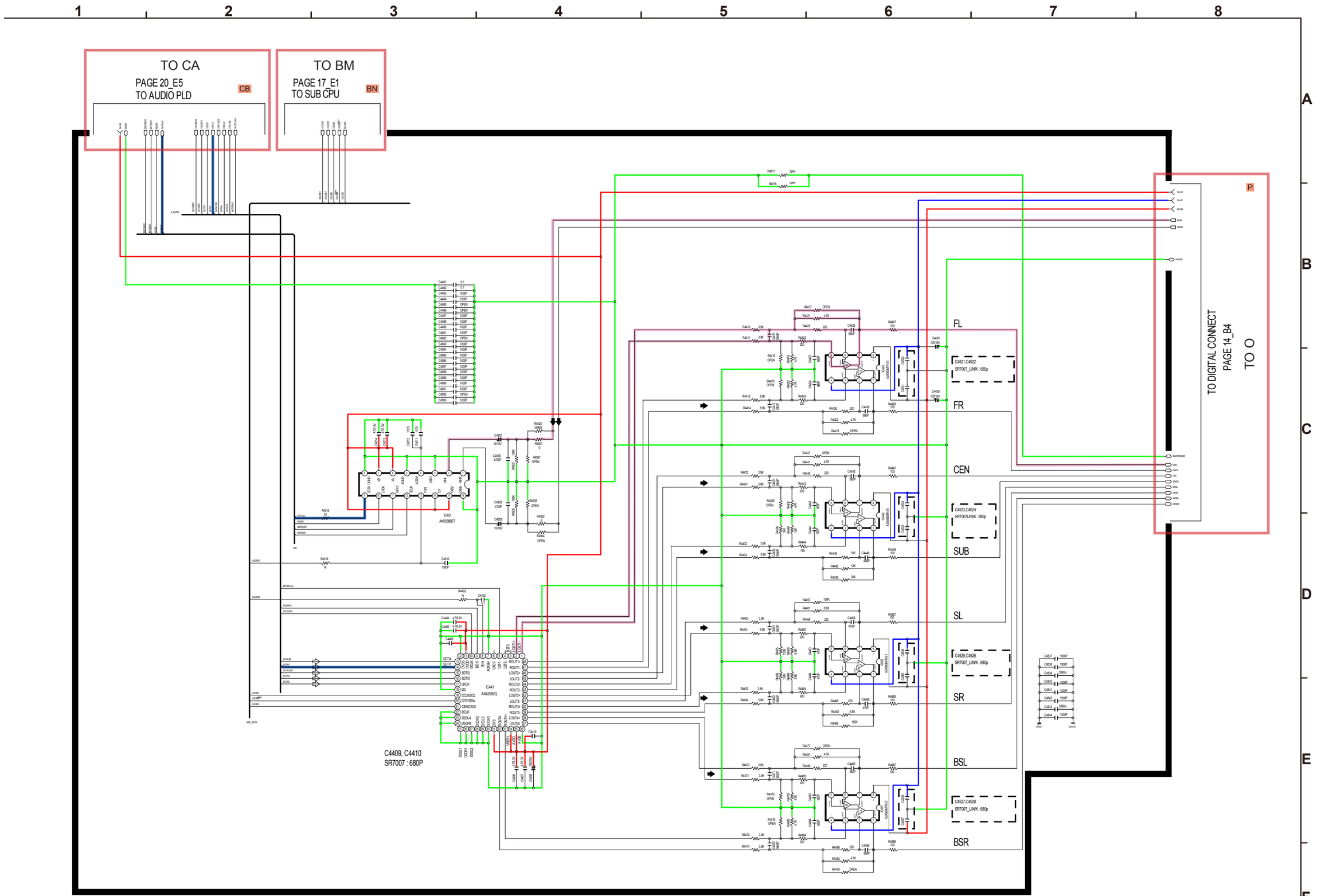
SCHEMATIC DIAGRAMS (17/31)
DIGITAL UNIT (7/15)



GND POWER + POWER - STBY POWER

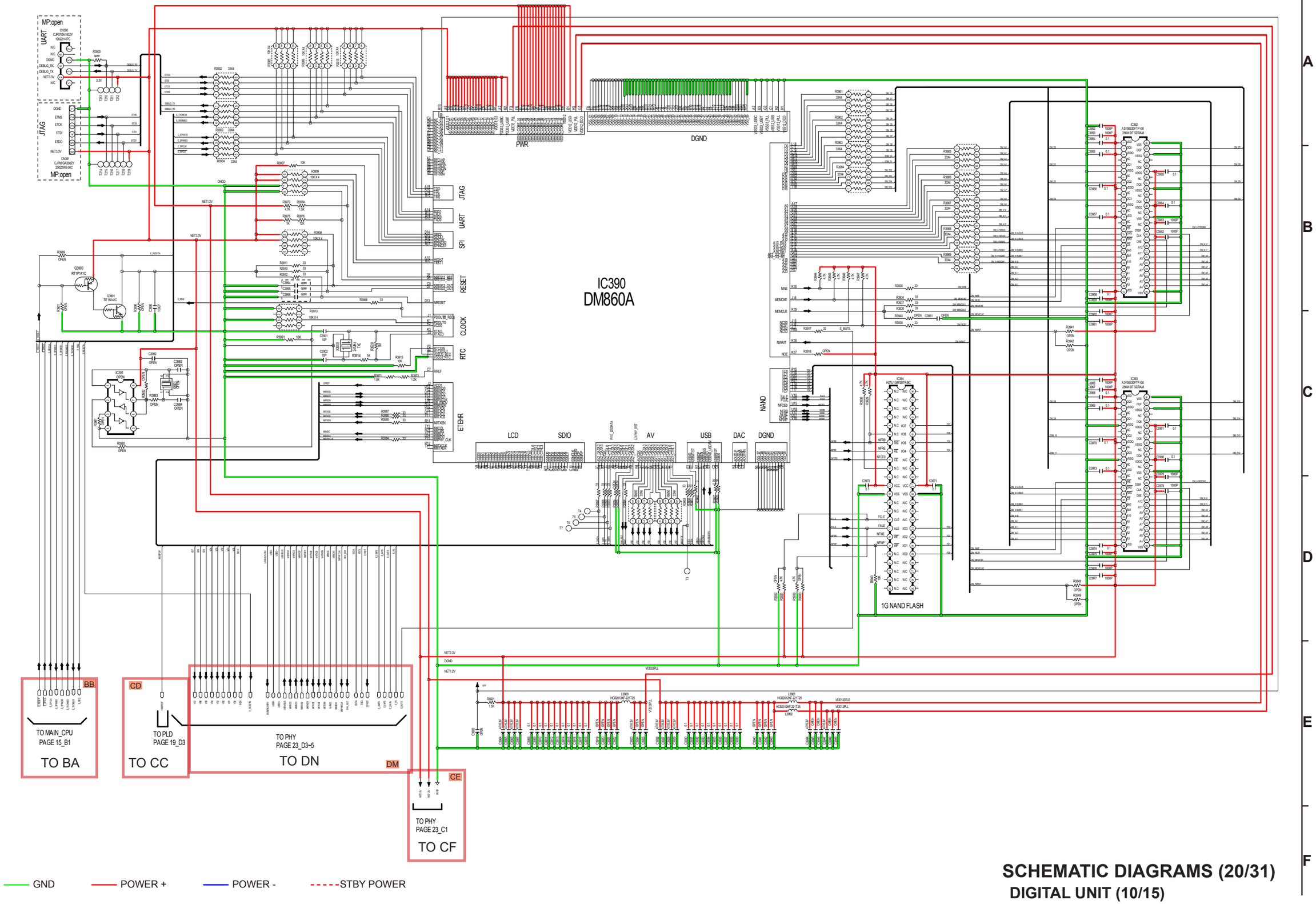
SCHEMATIC DIAGRAMS (18/31)

DIGITAL UNIT (8/15)



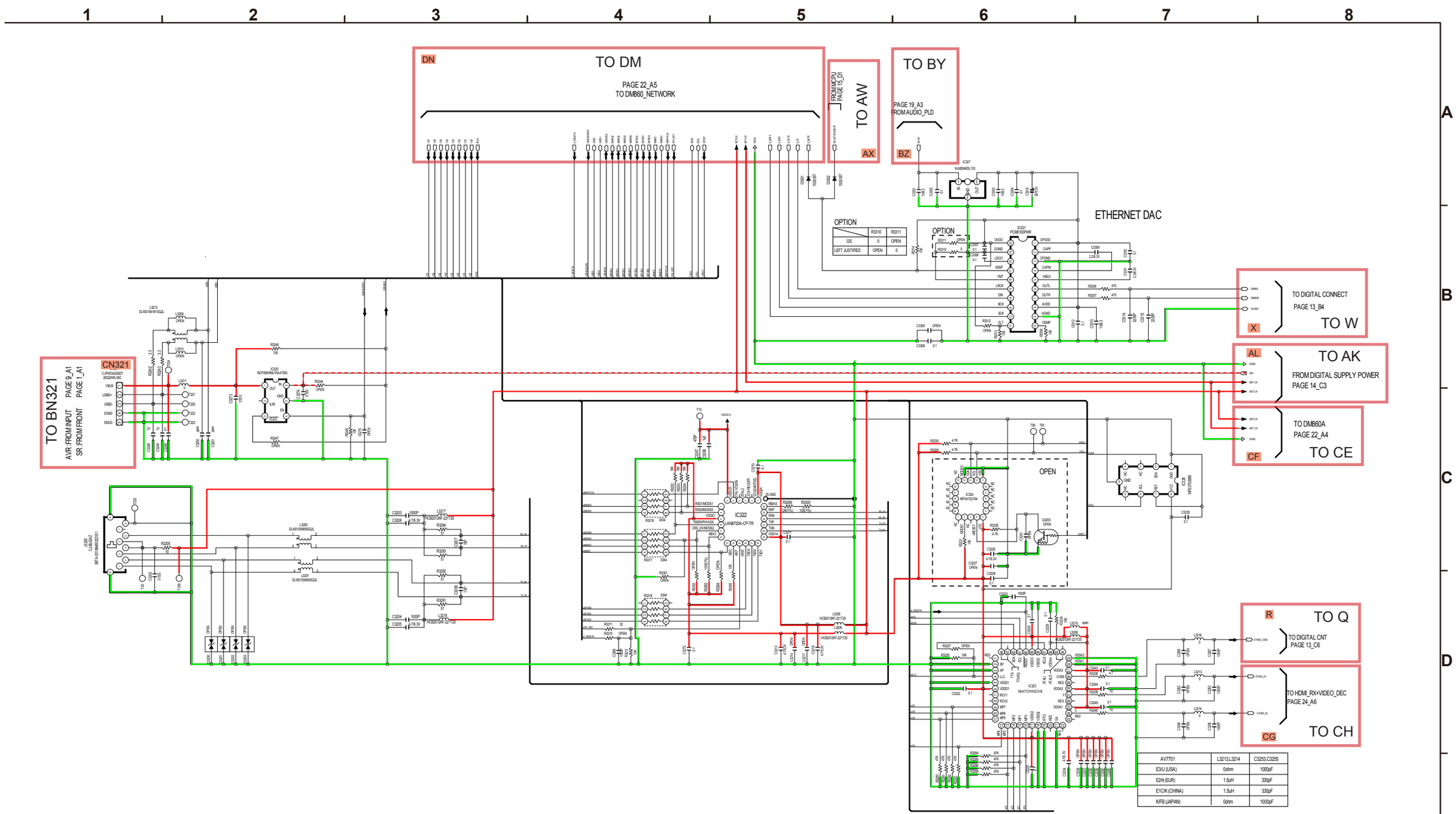
GND — POWER + — POWER - — STBY POWER — DIGITAL AUDIO SIGNAL LINE — ANALOG AUDIO SIGNAL LINE

SCHEMATIC DIAGRAMS (19/31)
DIGITAL UNIT (9/15)



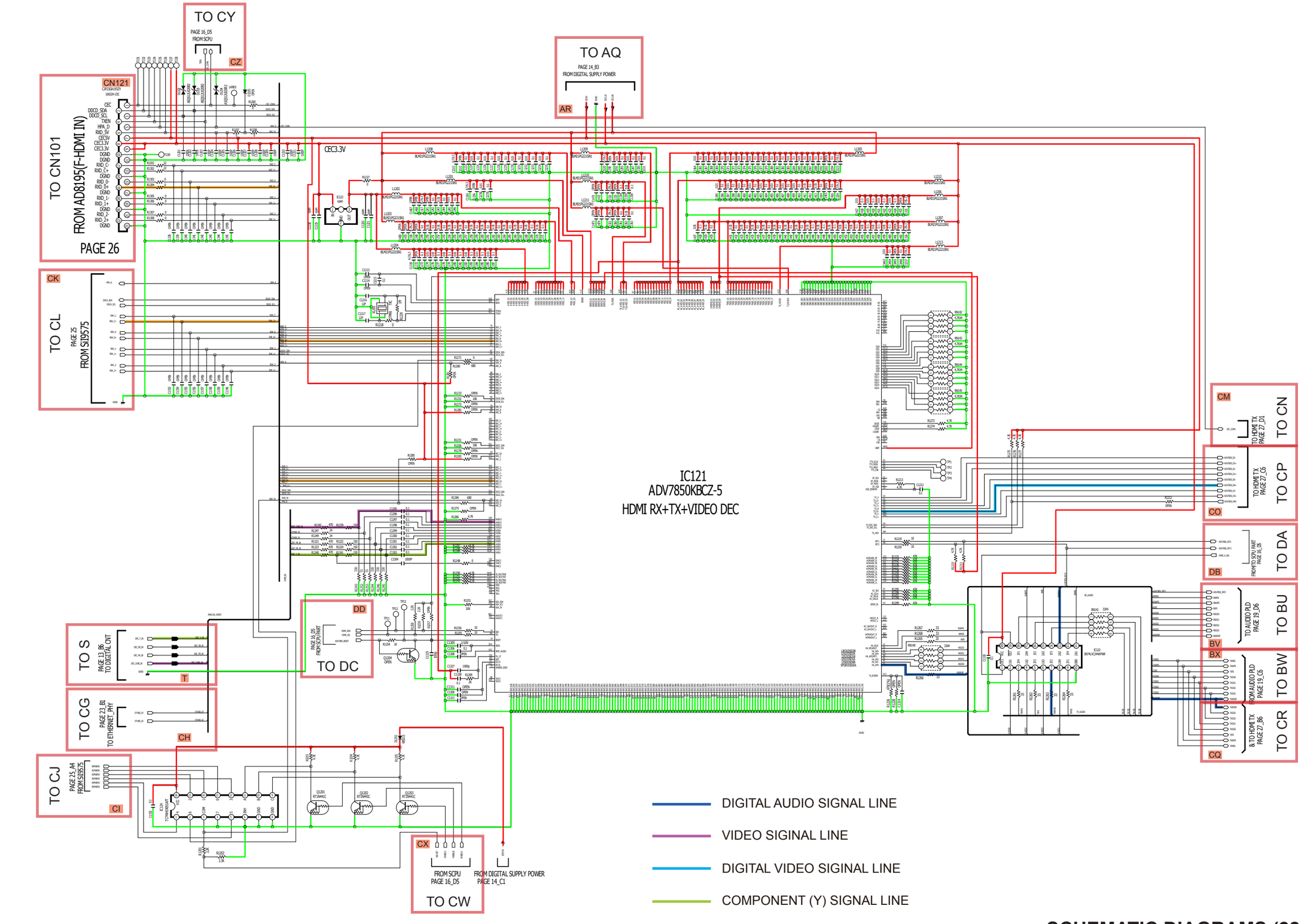
SCHEMATIC DIAGRAMS (20/31)

DIGITAL UNIT (10/15)



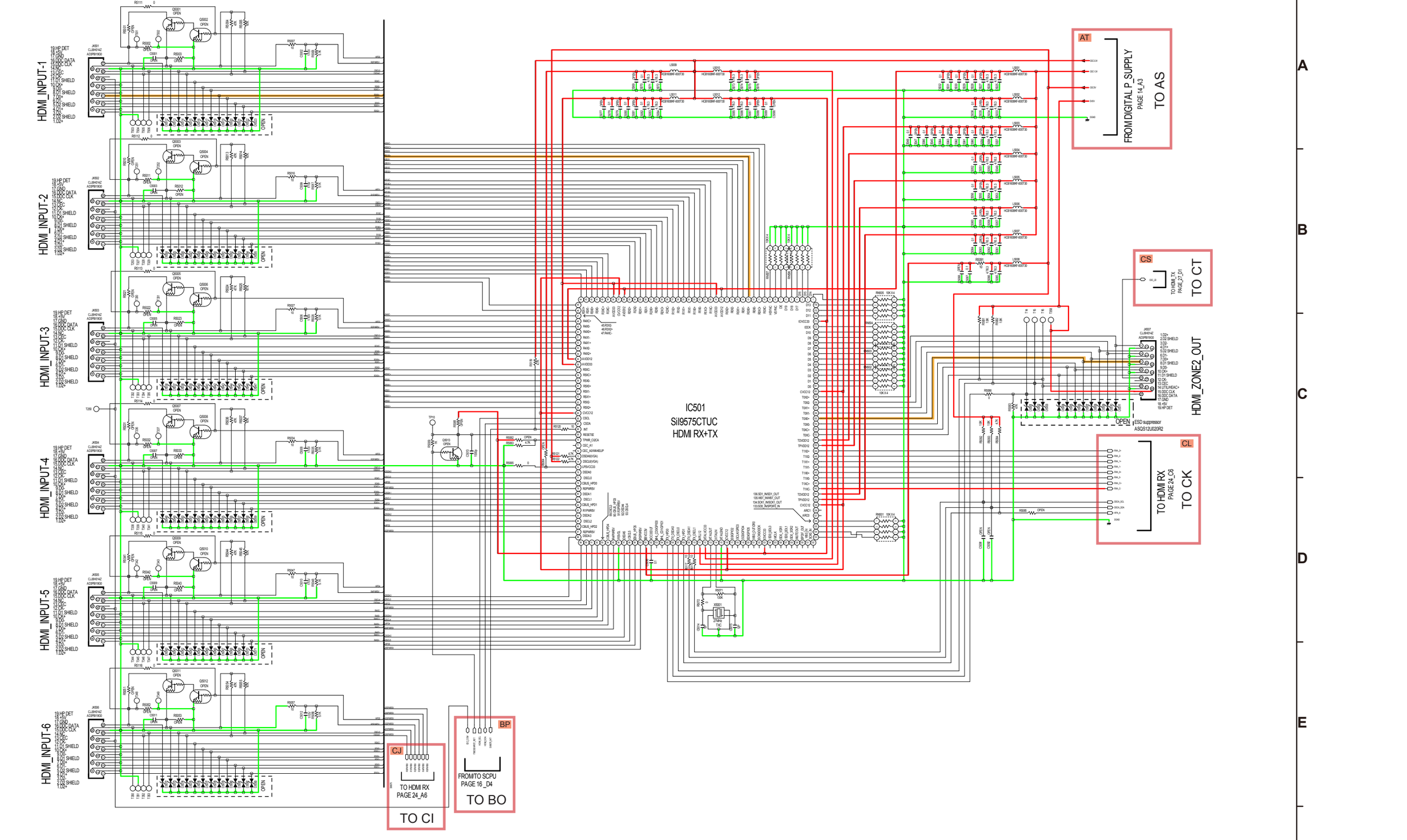
GND POWER + POWER - STBY POWER

SCHEMATIC DIAGRAMS (21/31)
DIGITAL UNIT (11/15)



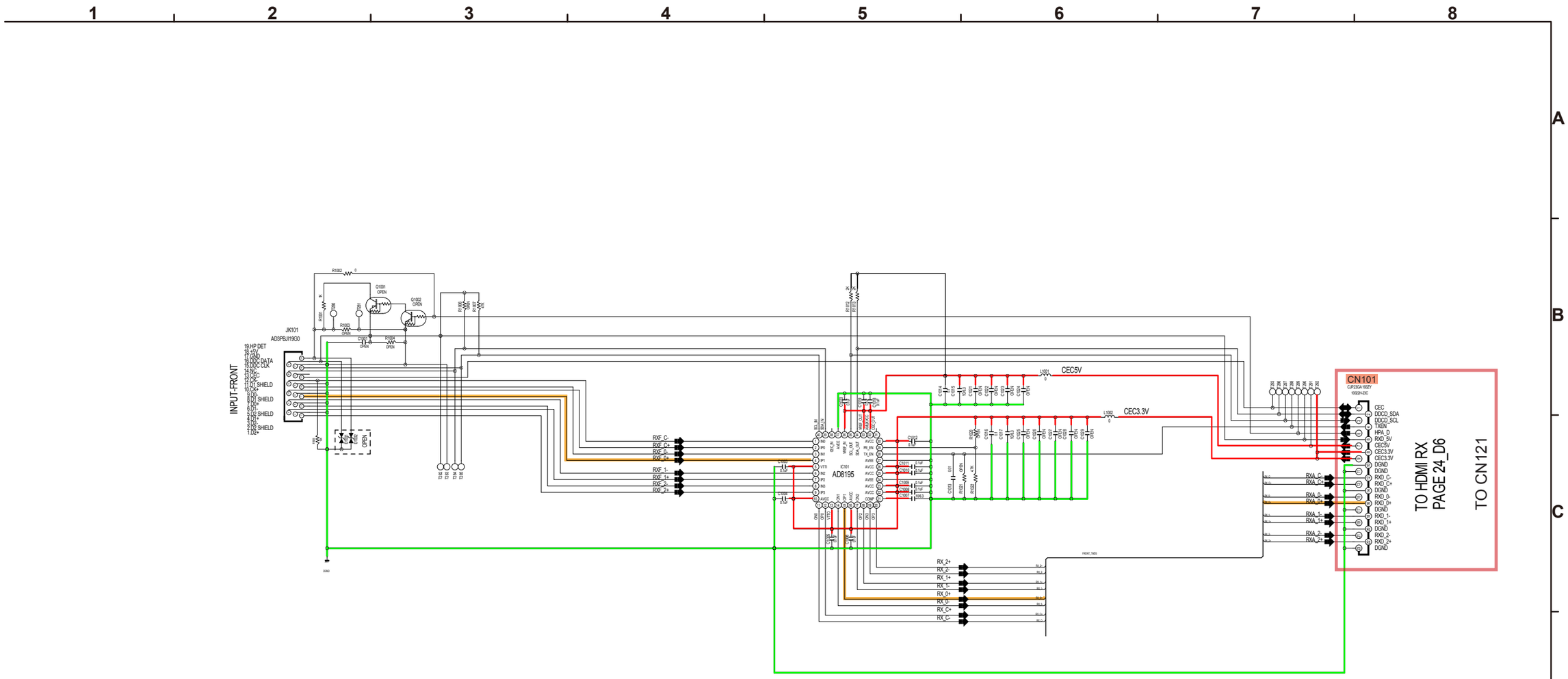
SCHEMATIC DIAGRAMS (22/31)

DIGITAL UNIT (12/15)



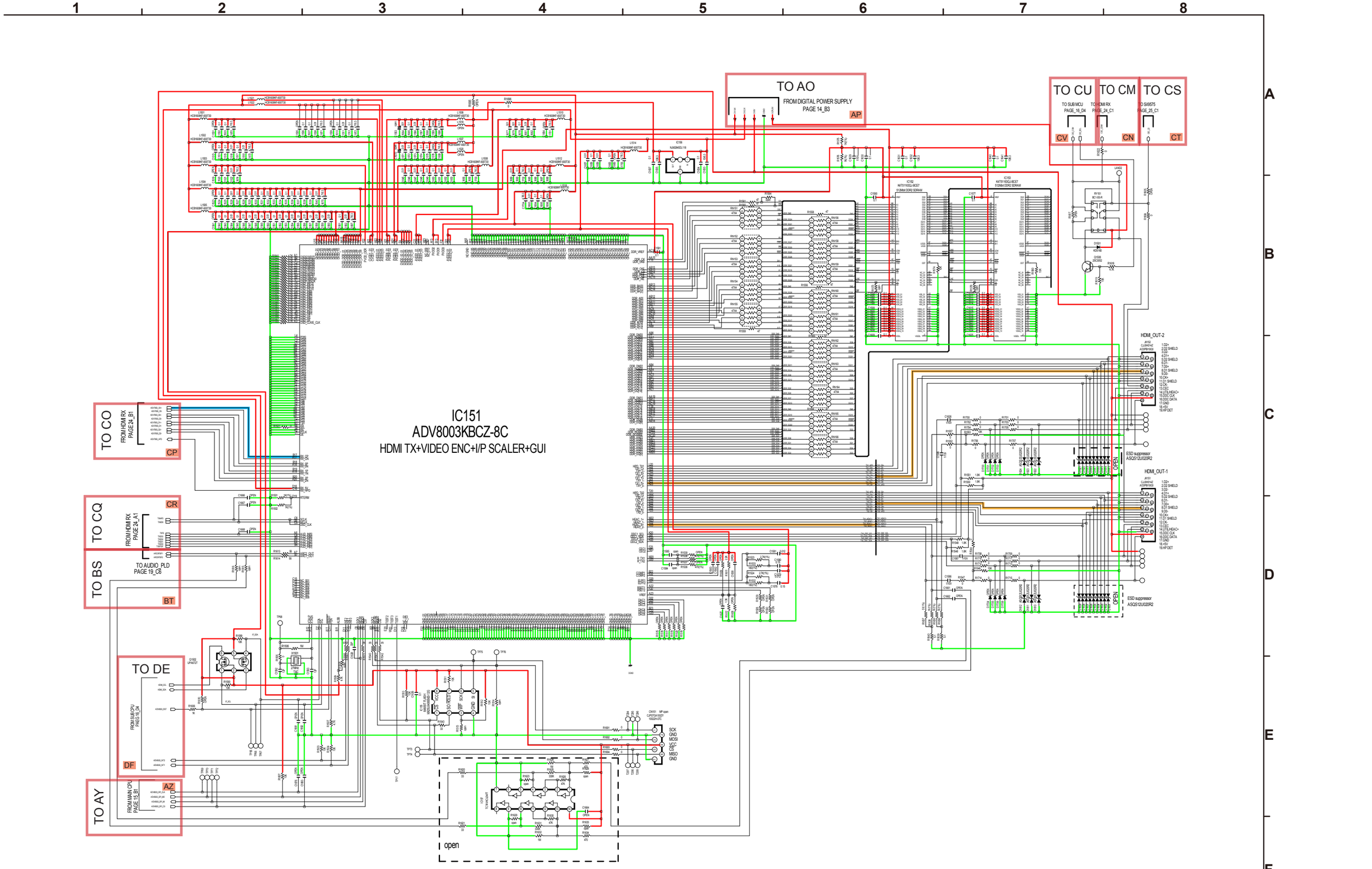
GND POWER + POWER - STBY POWER HDMI/TMDS SIGNAL LINE

SCHEMATIC DIAGRAMS (23/31)
DIGITAL UNIT (13/15)



GND POWER + POWER - STBY POWER HDMI/TMDS SIGNAL LINE

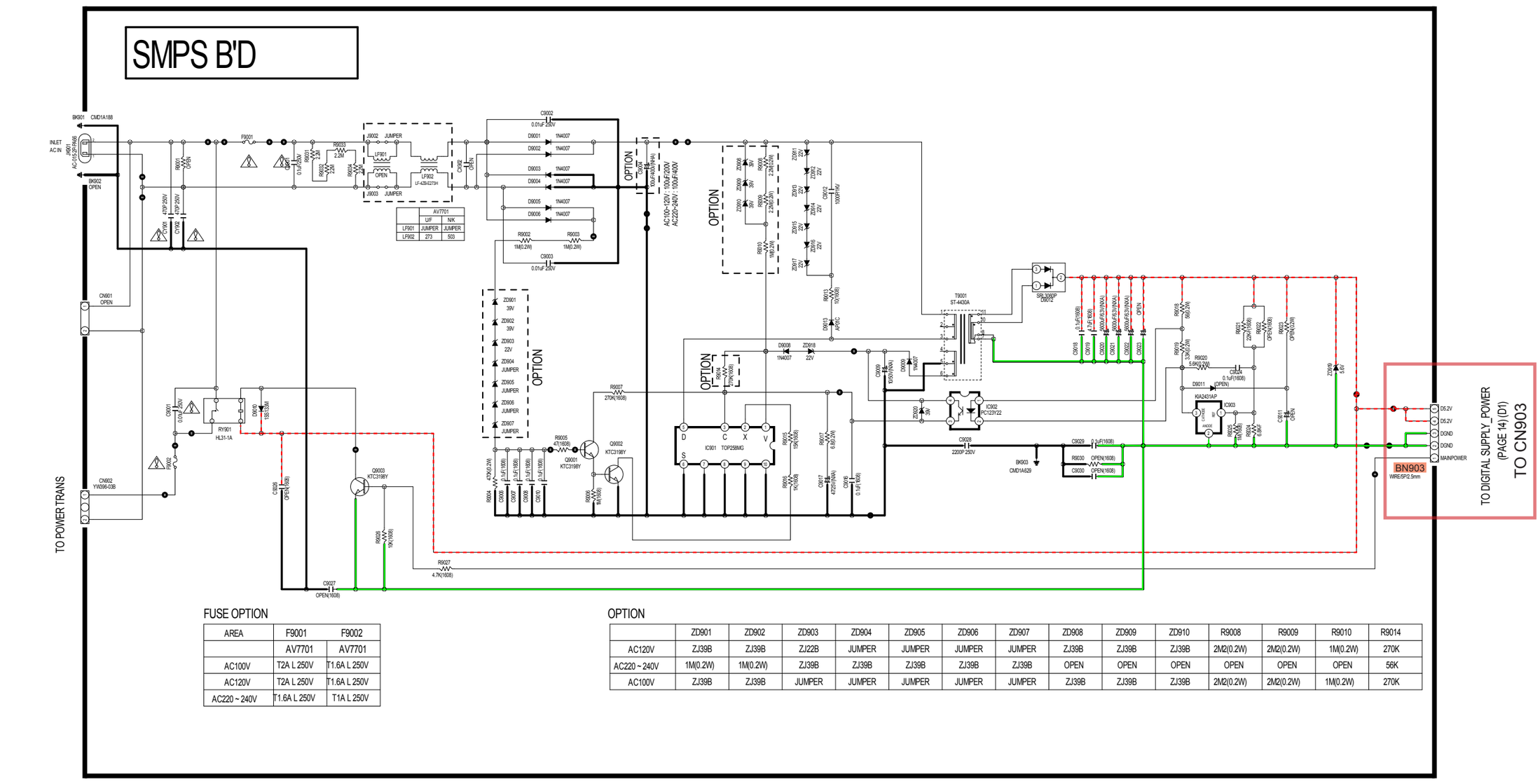
SCHEMATIC DIAGRAMS (24/31)
DIGITAL UNIT (14/15)



GND — POWER + — POWER - — -----STBY POWER — DIGITAL VIDEO SIGINAL LINE — HDMI/TMDS SIGNAL LINE

SCHEMATIC DIAGRAMS (25/31)

DIGITAL UNIT (15/15)



FUSE OPTION

AREA	F9001	F9002
	AV7701	AV7701
AC100V	T2A L 250V	T1.6A L 250V
AC120V	T2A L 250V	T1.6A L 250V
AC220 ~ 240V	T1.6A L 250V	T1A L 250V

OPTION

	ZD901	ZD902	ZD903	ZD904	ZD905	ZD906	ZD907	ZD908	ZD909	ZD910	R9008	R9009	R9010	R9014
AC120V	ZJ39B	ZJ39B	ZJ22B	JUMPER	JUMPER	JUMPER	JUMPER	ZJ39B	ZJ39B	ZJ39B	2M2(0.2W)	2M2(0.2W)	1M(0.2W)	270K
AC220 ~ 240V	1M(0.2W)	1M(0.2W)	ZJ39B	ZJ39B	ZJ39B	ZJ39B	ZJ39B	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	56K
AC100V	ZJ39B	ZJ39B	JUMPER	JUMPER	JUMPER	JUMPER	JUMPER	ZJ39B	ZJ39B	ZJ39B	2M2(0.2W)	2M2(0.2W)	1M(0.2W)	270K

GND POWER + POWER - STBY POWER

SCHEMATIC DIAGRAMS (26/31)
SMPS UNIT

HDAM_AMP_UNIT #1

FROM_HDAM_3(POWER)

CN461

TO CN461P

FROM_INPUT_BD

CN492

TO CN601

TO DD-2

DC-2

TO_HDAM_AMP_2

DA-2

TO_HDAM_AMP_3

TO DB-2

GND

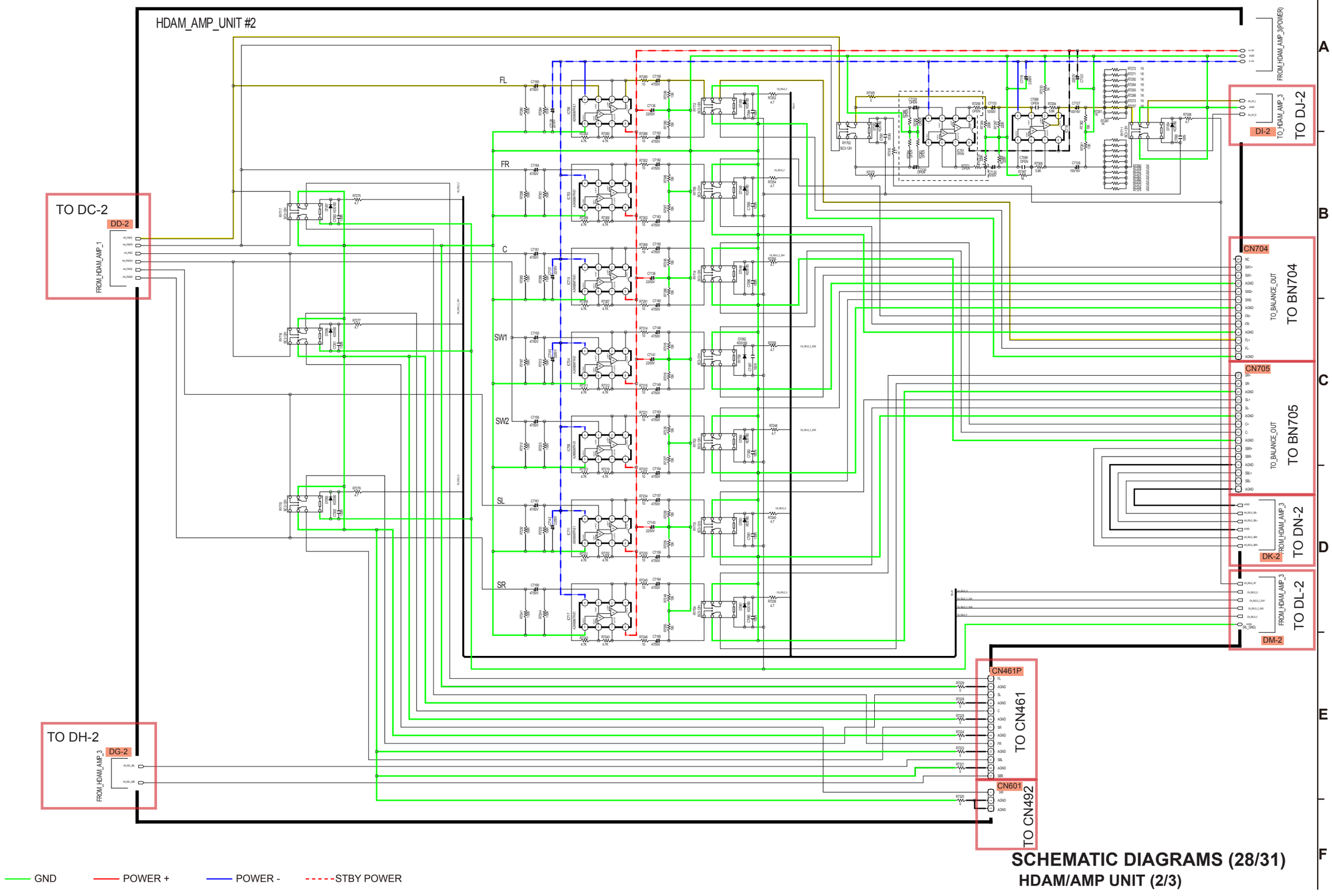
POWER +

POWER -

STBY POWER

SCHEMATIC DIAGRAMS (27/31)

HDAM/AMP UNIT (1/3)



SCHEMATIC DIAGRAMS (28/31)

HDAM/AMP UNIT (2/3)

HDAM_AMP_UNIT #3

TO DG-2
TO_HDAM_AMP_2
DH-2

DL-2
TO_HDAM_AMP_2
TO DM-2

FROM_HDAM_AMP_1
DB-2
TO DA-2

TO DK-2
DN-2
TO_HDAM_AMP_2

CN700
TO_BALANC_CONNECTOR
TO BN700

TO DI-2
FROM_HDAM_AMP_2
DJ-2

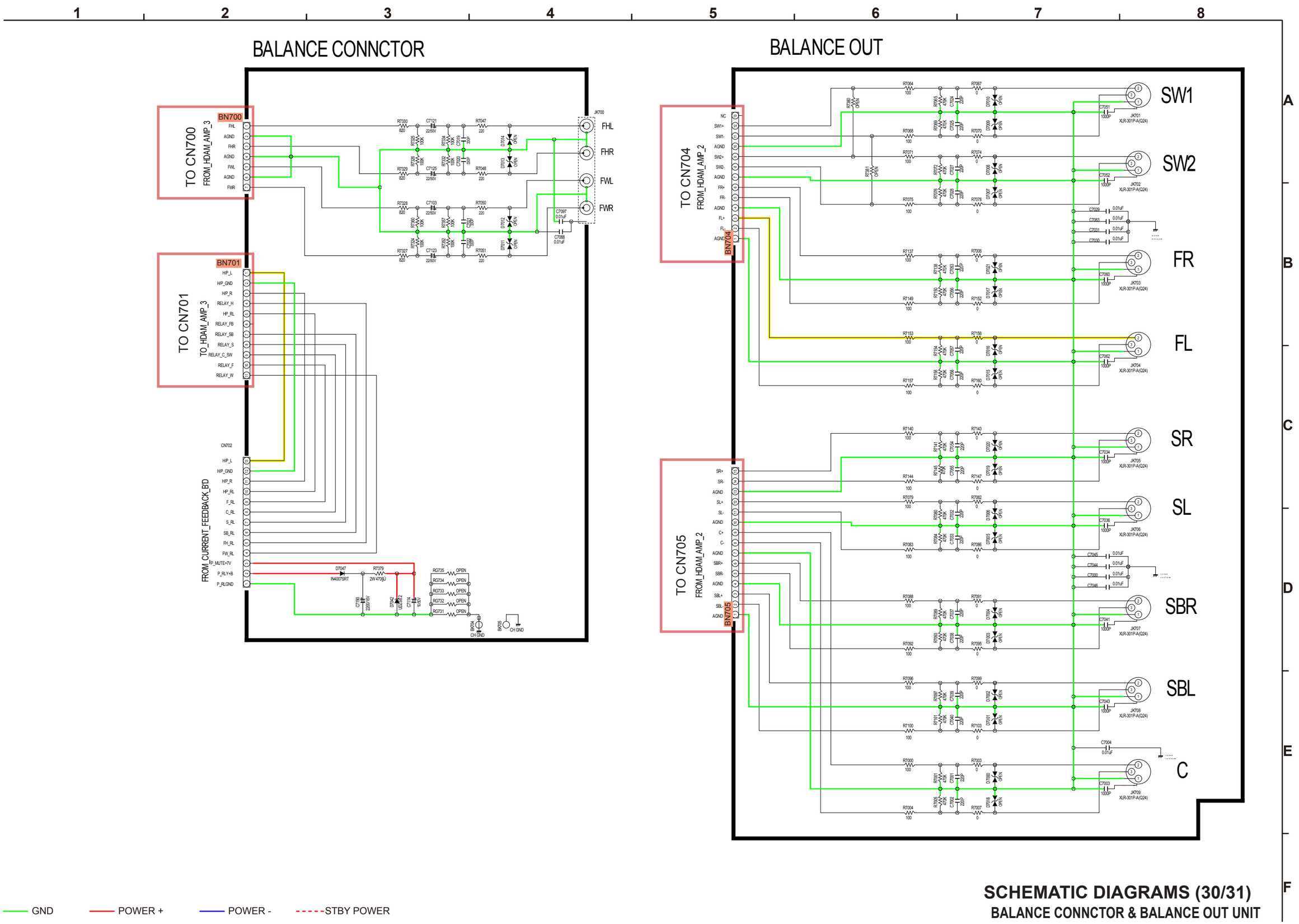
CN701
HP_L
HP_GND
HP_R
RELAY_H
HP_RL
RELAY_FB
RELAY_SB
RELAY_S
RELAY_C_SW
RELAY_F
RELAY_W
FROM_BALANCE_OUT
BALANCE CONNECTOR
TO BN701

DG-3
TO DF-2

DF-2
TO DG-3

GND
POWER +
POWER -
STBY POWER

SCHEMATIC DIAGRAMS (29/31)
HDAM/AMP UNIT (3/3)

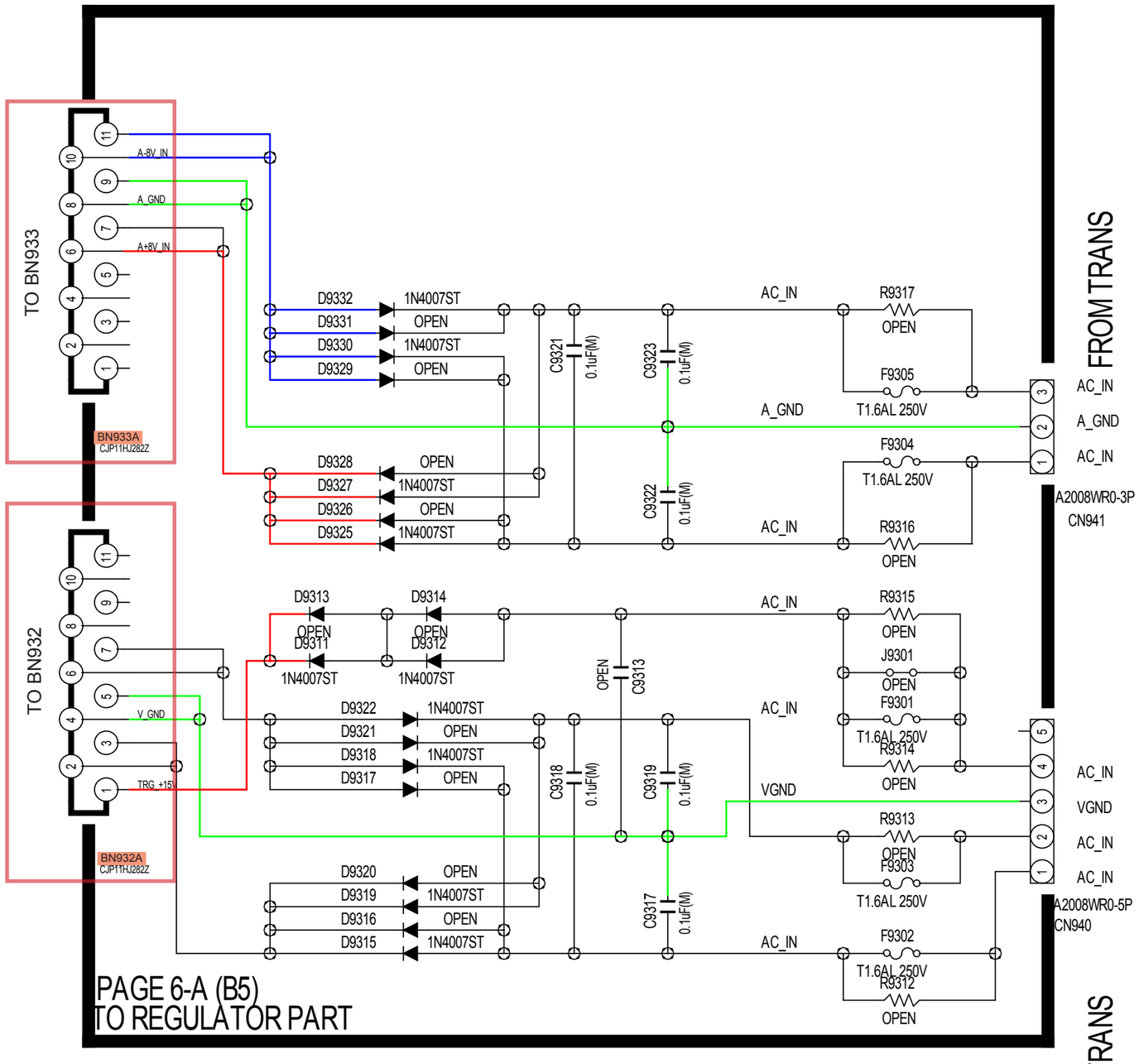


GND POWER + POWER - STBY POWER

SCHEMATIC DIAGRAMS (30/31)

BALANCE CONNCTOR & BALANCE OUT UNIT

FUSE PART

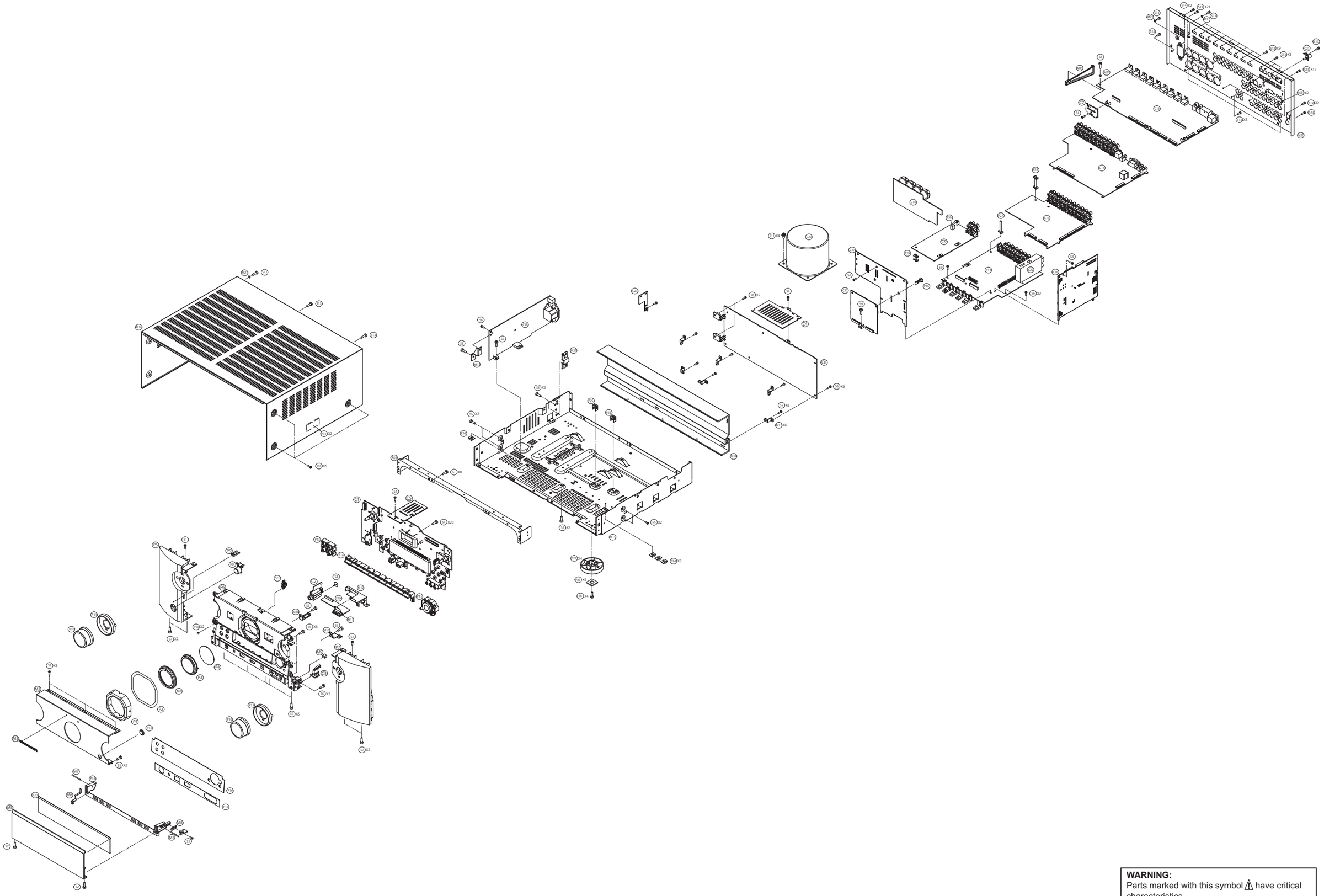


GND POWER + POWER - STBY POWER

SCHEMATIC DIAGRAMS (31/31)

TO REGULATOR PART UNIT

EXPLODED VIEW



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

Personal notes:

Personal notes:

PARTS LIST OF EXPLODED VIEW

∗Parts indicated by "nsp" on this table cannot be supplied.
∗PCB ASS'Y indicated by "nsp" on this table cannot be supplied. When repairing the PCB ASS'Y, check the board parts list and order replacement parts.
∗Parts indicated by the " ★ " mark are not illustrated in the exploded view.
∗The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions.

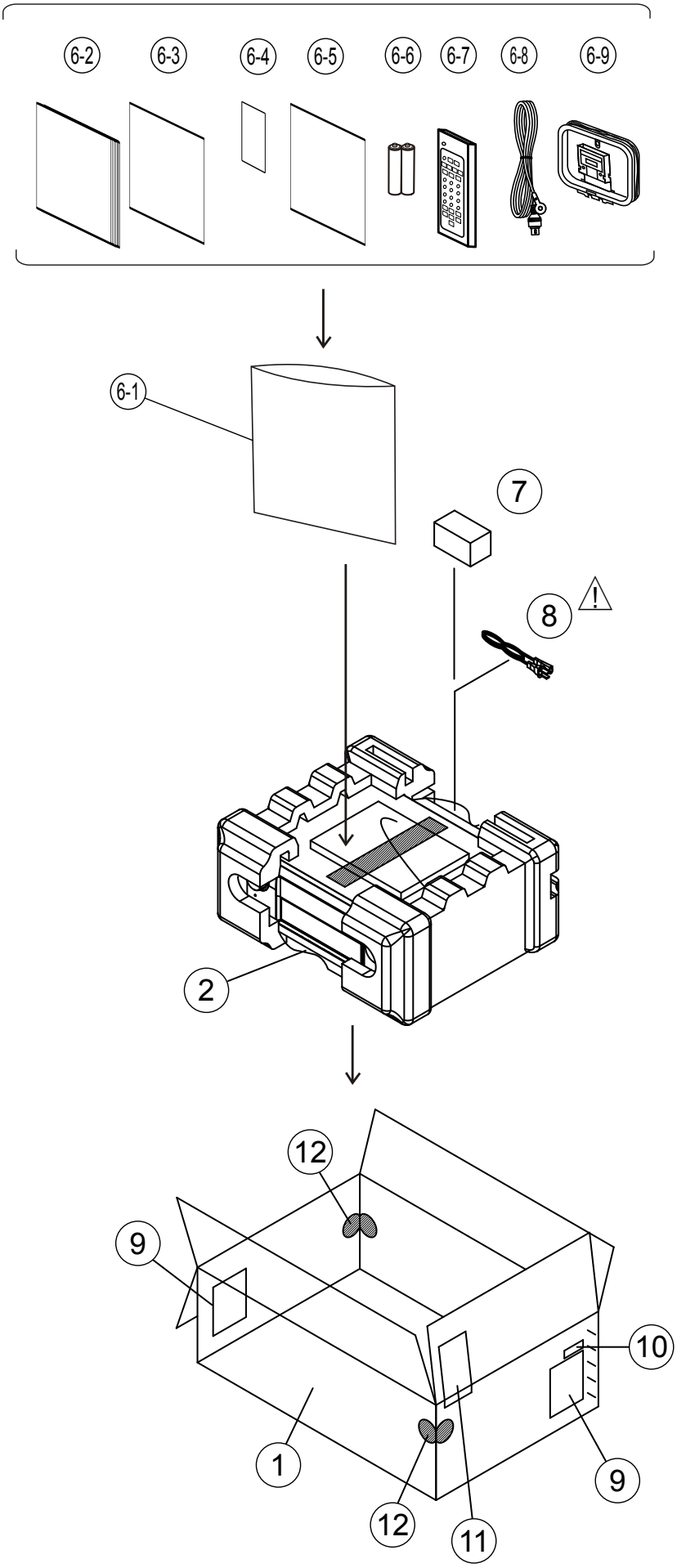
NOTE: The symbols in the column "Remarks" indicate the following destinations.
U : North America model N : Europe model K : China model
B : Black model SG : Silver gold model

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	1	nsp	FRONT PCB ASS'Y	U, N	COP12433I(1)	1	
	1	nsp	FRONT PCB ASS'Y	K	COP12433K(1)	1	
	C1	nsp	PCB FRONT		-		
	C2	nsp	PCB HP		-		
	C3	nsp	PCB DOOR DET		-		
	C4	nsp	GUIDE FRONT FFC		-		
	C5	nsp	PCB FRONT HDMI FFC CABLE		-		
	C7	nsp	PCB FRONT HDMI FFC		-		
	C8	nsp	PCB H-DAM AMP	U,N	COP12486B(1)	1	
	C9	nsp	PCB BALANCE CONNCTOR				
	C10	nsp	PCB BALANCE OUT				
	C11	nsp	PCB FUSE				
	12	nsp	PREOUT PCB MANUAL ASS'Y	U	COP12443F	1	
	12	nsp	PREOUT PCB MANUAL ASS'Y	N	COP12443G	1	
	12	nsp	PREOUT PCB MANUAL ASS'Y	K	COP12443H	1	
	C12	nsp	PREOUT PCB		-		
	13	nsp	INPUT PCB MANUAL ASS'Y	U	COP12438F	1	
	13	nsp	INPUT PCB MANUAL ASS'Y	N	COP12438G	1	
	13	nsp	INPUT PCB MANUAL ASS'Y	K	COP12438H	1	
	C13	nsp	PCB INPUT		-		
	C23	nsp	PCB POSISTOR		-		
	14	nsp	VIDEO PCB MANUAL ASS'Y	U, N	COP12439F	1	
	14	nsp	VIDEO PCB MANUAL ASS'Y	K	COP12439H	1	
	C14	nsp	PCB VIDEO		-		
	C17	nsp	PCB FRONT CNT		-		
	C15	8U6391005700S	DIGITAL PCB ASS`Y	U	COP12440I	1	
	C15	8U6391005800S	DIGITAL PCB ASS`Y	N	COP12440J	1	
	C15	8U6391005900S	DIGITAL PCB ASS`Y	K	COP12440K	1	
	C16	nsp	PCB SIDE CNT		-		
	C18	nsp	PCB SMPS		-		
	C19	nsp	PCB FRONT HDMI		-		
⚠	C20	943101101790S	MAIN TRANS	U	CLT5Z028ZU	1	
⚠	C20	943101101800S	MAIN TRANS	N	CLT5Z028ZE	1	
⚠	C20	943101101810S	MAIN TRANS	K	CLT5Z028ZH	1	
	C21	nsp	TERMINAL , GROUND		CMA1A006	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C22	18301001910AS	MODULE , HD RADIO	U	CNVKRMAVR2011	1	
	M1	421410006004M	BADGE , MARANTZ		CGB1A206	1	
	M2	943402103100M	AL PANEL	U,K	CKM1A249WC23	1	*
	M2	943402103110M	AL PANEL	N	CKM1A249VC23	1	*
	M3	943424100350M	RING		CGK1A163C23	1	
	M4	nsp	BRACKET , BODY		CMD2A668	1	
	M5	415410001011M	DOOR , AL FRONT AV8003		CKM2A195C23	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 , HDMI		CMC1A436	1	
	M14	nsp	BRACKET , SMPS		CMD1A805	1	
	M15	nsp	CHASSIS , BOTTOM		CUA1A338	1	
	M16	00M05CW257010	CABINET , TOP		CKC1A170K117	1	
	M17	nsp	BRACKET, PCB (AMP)		CMD1A824	6	*
	M18	nsp	HEATSINK		CMY1A387	1	*
	M19	nsp	PCB BRACKET(HDMI)		CMD1A791	1	
	M20	nsp	PANEL , REAR	U	CKF1A461Z	1	*
	M20	nsp	PANEL , REAR	N	CKF2A461Z	1	*
	M20	nsp	PANEL , REAR	K	CKF2A461Y	1	*
	M21	nsp	WASHER , GROUND	U	CNW1A035	7	
	M21	nsp	BRACKET , SCREW COVER	U	CMD1A813	1	
	P1	481510018107M	LENS RING SR7005 A332		CGL1A290	1	
	P2	nsp	SHEET , DIFFUSION		CGX1A455Z	1	
	P3	416510046009M	WINDOW CENTER SR7005 A332		CGU1A455	1	
	P4	416510047101M	WINDOW FILTER SR7005 A332		CGX1A449Y	1	
	P5	943402102670M	PANEL , SIDE L		CGW1A453RNXB37	1	
	P6	443510045107M	FRONT INNER PANEL BL SR7005 A332		CGW1A526B37	1	
	P7	943402102690M	PANEL , SIDE R		CGW1A454RNB37	1	
	P8	411510015017M	TACT POWER KNOB		CBT1A1072	1	
	P9	00M10BW355010	POWER INDICATOR		CGL1A231	1	
	P10	412410005014M	VOLUME KNOB ASS'Y		CGK1A133YA	2	
	P11	424510002017M	ORNAMENT , VOLUME		CGR1A449B37	2	
	P12	481510019100M	LENS IR BL SR7005 A332		CGU1A460	1	
	P13	411510120001M	BUTTON 4KEY BL SR7005 A332		CBT1A1170ZA	1	
	P14	943411101960M	BUTTON , 11KEY		CBT1A1169B37	1	
	P15	943411101980M	BUTTON , CURSOR		CBT1A1171Z	1	
	P16	943416100850M	WINDOW , FIP		CGU1A466X	1	*
	P17	943422100480M	SHEET , JACK		CGX1A475Z	1	
	P18	454510002018M	HOLDER , DOOR AV8003		CKG1A053B37	1	
	P19	00M446T056010	CUSHION,DOOR		CHG1A296Y	2	
	P20	943415100370M	ORNAMENT , INNER DOOR		CGR1A457Z	1	
	P21	943474001390S	GEAR , DEMPER AV8003		CDG1A027Z	1	
	P22	00M243W057210	FOOT		CKL2A042H46	4	
	P23	00M32CW107010	FOOT CUSHION		CHG1A360	4	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	P24	nsp	RUBBER		CHG1A113	4	
	P25	nsp	SUPPORT , PCB		CMH1A328	2	
	P26	nsp	SPACER , PCB		CRE1A107	2	
	P27	nsp	SUPPORT , PCB 31		CRE1A073	1	
	P28	nsp	SUPPORT, PCB		CRE1A102	1	
	P29	nsp	SPACER, PCB		CRE1A113	1	*
	P30	nsp	SUPPORT , EVA		CHG1A536	1	
	P31	nsp	CUSHION , SUPPORT		CHG1A305	2	
	S1	nsp	SCREW		CTB3+10JR	35	
	S2	nsp	SCREW		CTB26+8JFZR	3	
	S3	nsp	SCREW		CTWS3+10GR	1	
	S4	nsp	SCREW		CTB3+6FR	5	
	S5	nsp	SCREW		CTB3+8JR	25	
	S6	nsp	SCREW		CTW3+8JR	16	
	S7	nsp	SCREW(CTB3+8JFZR)		CTB3+8JFZR	9	
	S8	nsp	SCREW,SPECIAL		CHD1A012ZR	2	
	S9	nsp	SCREW		CTW3+14JR	2	
	S10	nsp	SCREW		CTW3+8JFZ	6	
	S11	nsp	SCREW		CHDR1A023R	4	
	S12	nsp	SCREW , DOT	U	CTBD3+6FFB	11	
	S12	nsp	SCREW , DOT	N,K	CTBD3+6FFB	10	
	S13	nsp	SCREW , DOT		CTBD3+8JFB	52	

PACKING VIEW



PARTS LIST OF PACKING & ACCESSORIES

∗Parts indicated by "nsp" on this table cannot be supplied.
∗Parts indicated by the " ★ " mark are not illustrated in the packing view.
∗The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions.

NOTE: The symbols in the column "Remarks" indicate the following destinations.
U : North America model N : Europe model K : China model
B : Black model SG : Silver gold model

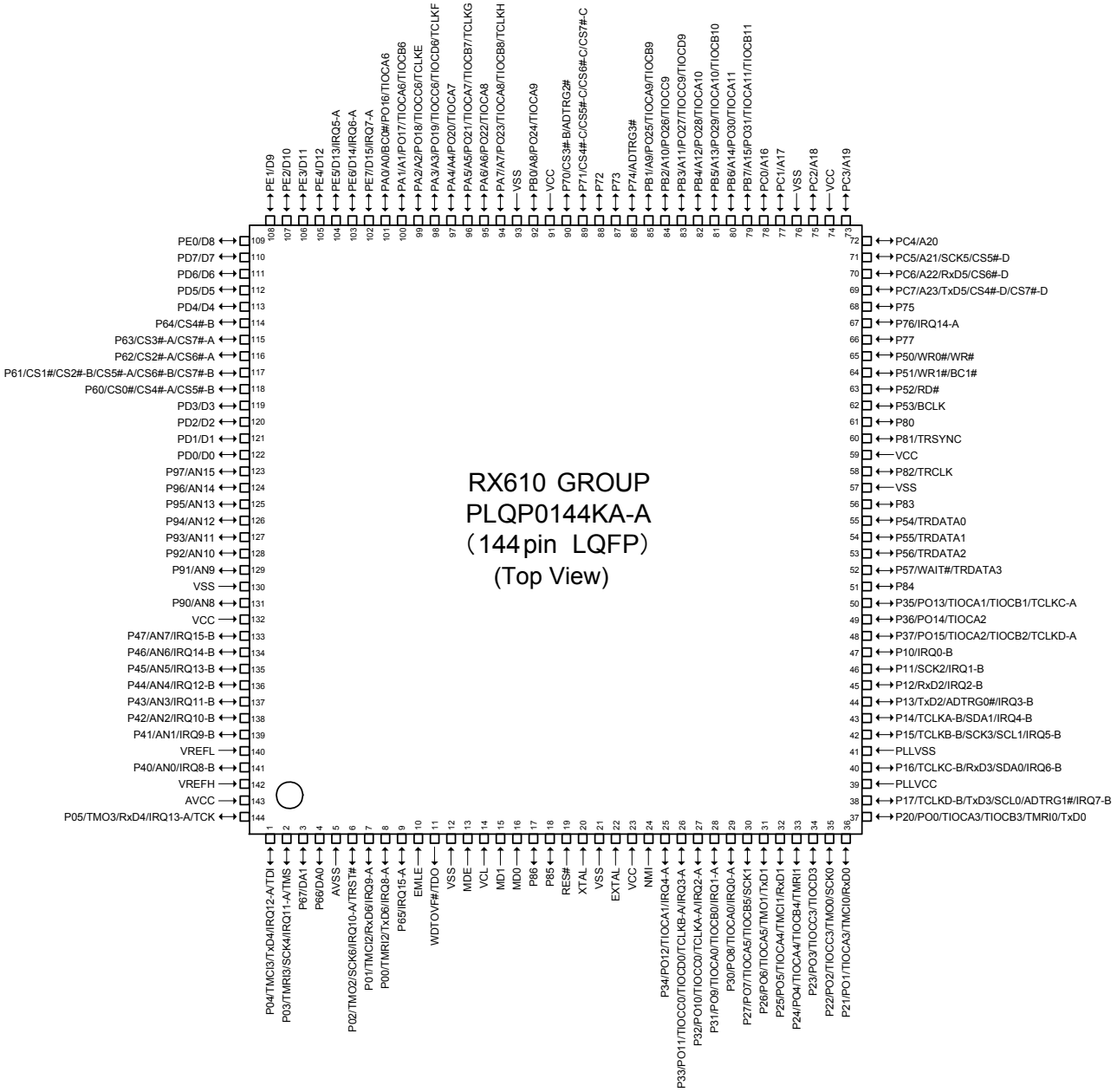
	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	1	943531102960M	BOX, OUT CARTON		CPG1A965Y	1	*
	2	nsp	BAG , POLY		CPP1A081X	1	
	3	943533101230M	PAD , SNOW TOP		CPS1A918	1	
	4	943533101240M	PAD , SNOW BOTTOM		CPS1A919	1	
⚠	5	943611500590S	CORD , POWER (PLUG+SOCKET) UL	U	CJA2A119Z	1	
⚠	5	943611500580S	CORD , POWER (PLUG+SOCKET) EUR	N	CJA2B120Z	1	
⚠	5	90M-ZC000650R	CORD , POWER	K	CJA2N075Z	1	
	6	32401000800AD	MIC , AUDYSSEY		CJXACM1HB	1	
	7	-	INSTRUCTION MANUAL ASS'Y		-	1	
	7-1	nsp	BAG, POLY		CQB1A197Z	1	
	7-2	54111097900AM	MANUAL, GUIDE	U	CQX1A1700Z	1	*
	7-2	54111097901AM	MANUAL, GUIDE	N	CQX1A1701Z	1	*
	7-2	54111097903AD	MANUAL, GUIDE	K	CQX1A1702Z	1	*
	7-3	nsp	WARRANTY CARD, CHINA	K	CQE1A132V	1	
	7-3	nsp	CARD FOR CHINA INDENTIFICATION	K	CQE1A450Z	1	
	7-4	nsp	CARD , WARRANTY	U	CQE1A131W	1	
	7-5	35201019200AM	CD MANUAL ASS'Y	U	CFT1A074ZA	1	*
	7-5	35201019201AM	CD MANUAL ASS'Y Disc1	N	CFT1A075ZA	1	*
	7-5	35201019205AM	CD MANUAL ASS'Y Disc2	N	-	1	*
	7-5	35201019203AM	CD MANUAL ASS'Y	K	CFT1A076ZA	1	*
	7-6	nsp	BATTERY , AAA 2PCS IN PACK		CABR03PPB	2	
	7-7	30701010000AM	REMOCON ASS'Y(RC016SR)		CARTSR7007	1	
	7-8	90M-ZA000230R	FM 1 POLE ANT(UL)	U	CSA1A019Z	1	
	7-8	00D9430113403	FM 1 POLE ANT	N,K	CSA1A018Z	1	
	7-9	943116100090S	ANT, AM LOOP(HD RADIO, 105uH/18T)	U	CSA1A040Z	1	
	8	nsp	TAPE , P.P(24mm*50mm)		C4FC240CL	1	
	9	nsp	TAPE , OPP		C4FC500CL	2	
	10	nsp	POP LABEL	UN	CQB1A1104X	1	*
	10	nsp	POP LABEL	K	CQB1A1104W	1	*
	11	nsp	TAPE , FILAMENT		C4FE187	0.2	
	12	nsp	LABEL, CONTROL		CQB2A993Z	2	
	12-1	nsp	LABEL, SERIAL		CQB1A993Z-1	1	
	12-2	nsp	LABEL, YEAR	K	CQB1A993Z-2	1	
	13	nsp	LABEL, MAC ADDRESS		CQB1A995	1	

SEMICONDUCTORS

Only major semiconductors are shown. General semiconductors etc. are omitted from list.
The semiconductors which have a detailed drawing in a schematic diagram are omitted from list.

1. IC's

R5F56108VNFP (HDMI : 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

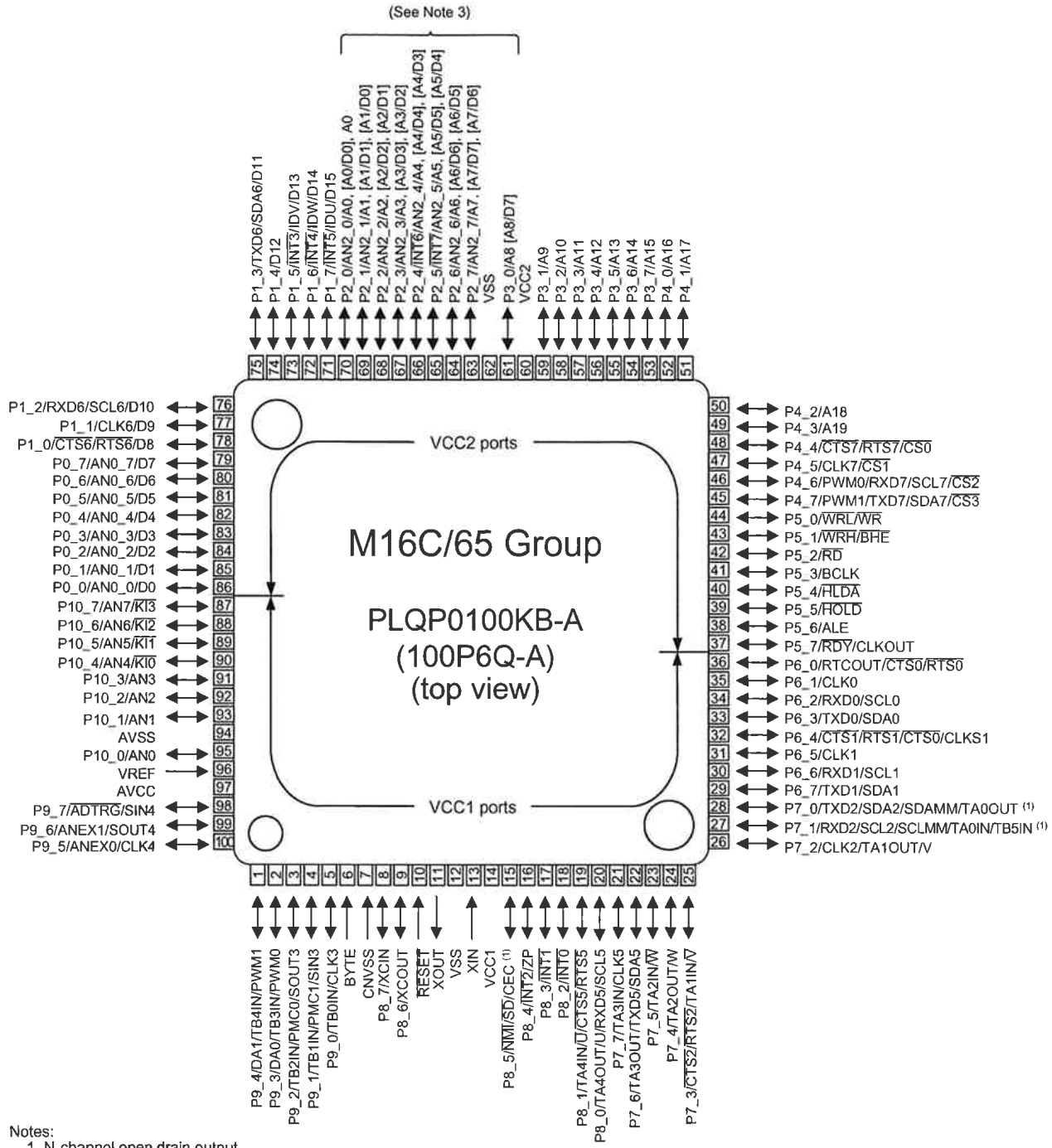
Pin	Pin Name	Symbol	I/O	Pull up/ down	LvCnv	STBY	STOP	CEC STBY	Function
7	P01/IRQ9-A/TMCI2/ RxD6	RXD MI232O	I	M3VPu		I	I	I	Data received from the external pin(AMX)/Use for firmware upgrading by DFW.:FFC Connect
8	P00/IRQ8-A/TMRI2/ TxD6	TXD MO232I	O			L	L	L	Data transfer to external pin(AMX)/Use for firmware 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(Sing leChipMode: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)

Pin	Pin Name	Symbol	I/O	Pull up/ down	LvCnv	STBY	STOP	CEC STBY	Function
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)
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

Pin	Pin Name	Symbol	I/O	Pull up/ down	LvCnv	STBY	STOP	CEC STBY	Function
90	P70/CS3#-B/ ADTRG2#	NC	O			L	L	L	NC
91	VCC	VCC	-			-	-	-	+3.3V
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)

Pin	Pin Name	Symbol	I/O	Pull up/ down	LvCnv	STBY	STOP	CEC STBY	Function
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
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 (HDMI : IC231)



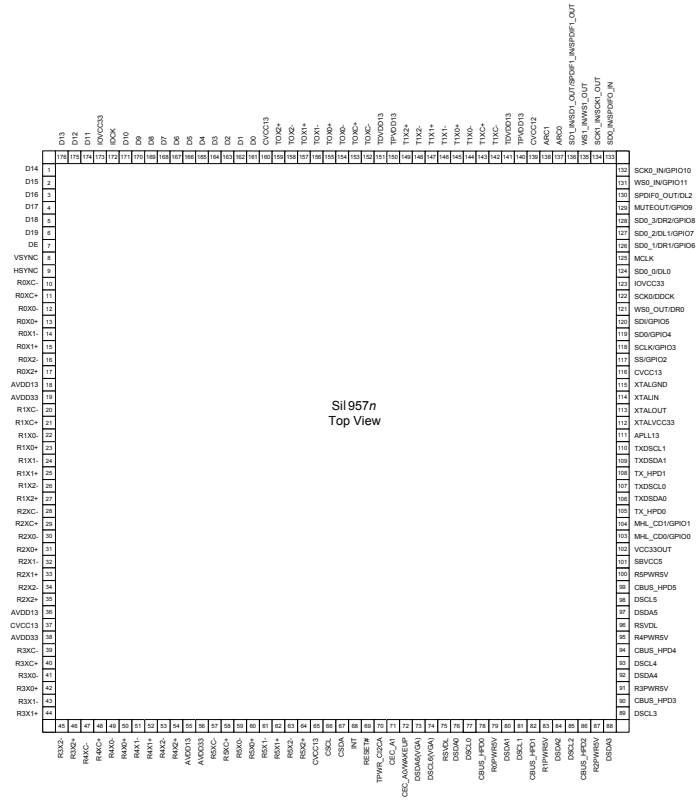
Notes:
1. N-channel open drain output.
2. Check the position of Pin 1 by referring to appendix 1, Package Dimensions.
3. Pin names in brackets [ ] represent a single functional signal. They should not be considered as two separate functional signals.

R5F3650KNFB Terminal Functions

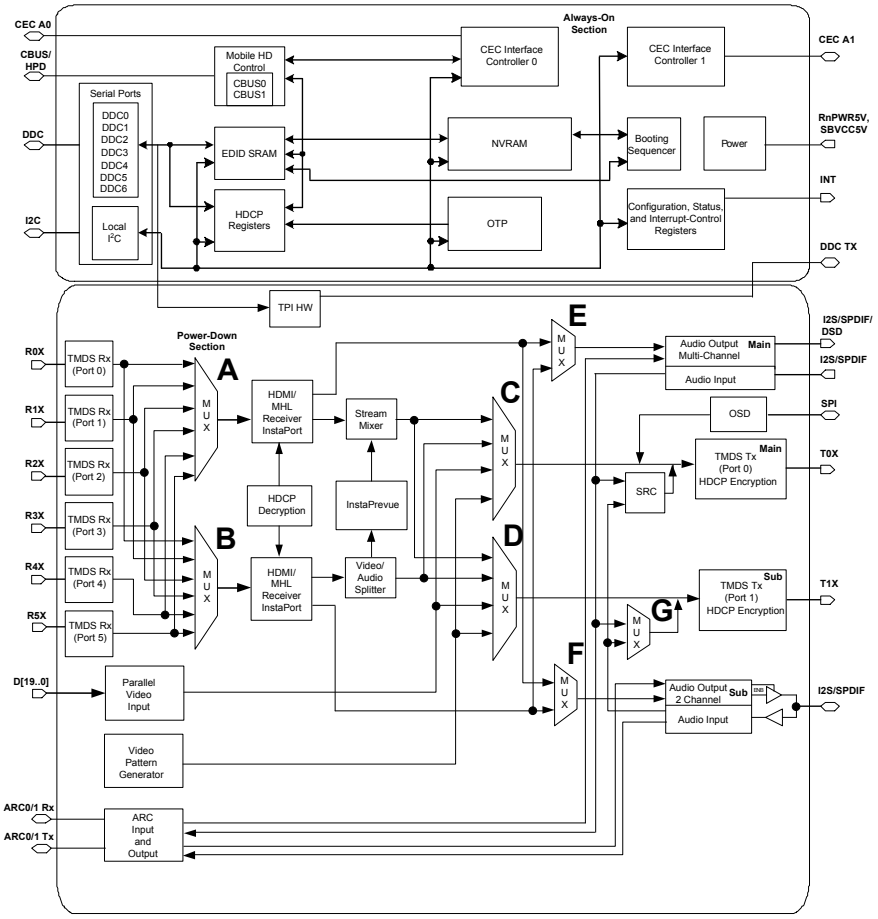
Pin	Pin Name	Synbol	I/O	Type	Pu/Pd (Ext.)	CEC STBY	P.OFF	Function
1	P94	NC	I	-	Pd	-	Z	NC
2	P93	DIR CE	O	C	-	O/L	Z	DIR control pin
3	P92/SOUT3	DIR DIN	O	C	-	O/L	Z	DIR control pin
4	P91/SIN3	DIR DOUT	I	-	DA3.3Pu	-	Z	DIR control pin
5	P90/CLK3	DIR CLK	O	C	-	O/L	Z	DIR control pin
6	BYTE	BYTE	-	-	-	-	-	GND(Ext. 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)
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)

Pin	Pin Name	Synbol	I/O	Type	Pu/Pd (Ext.)	CEC STBY	P.OFF	Function
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/H 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

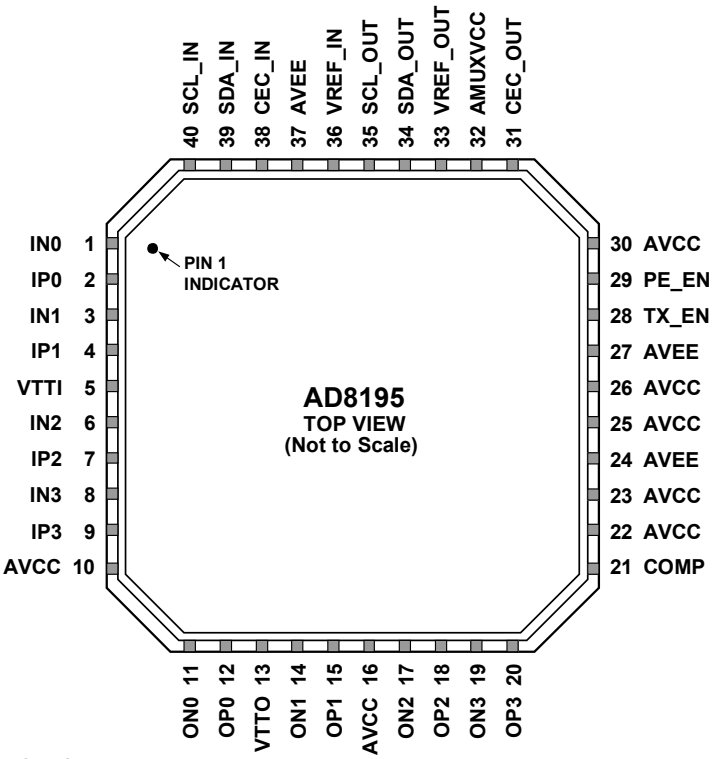
Sil9575 (HDMI : IC501)



Sil9575 Block diagram



AD8195ACPZ (HDMI : IC101)



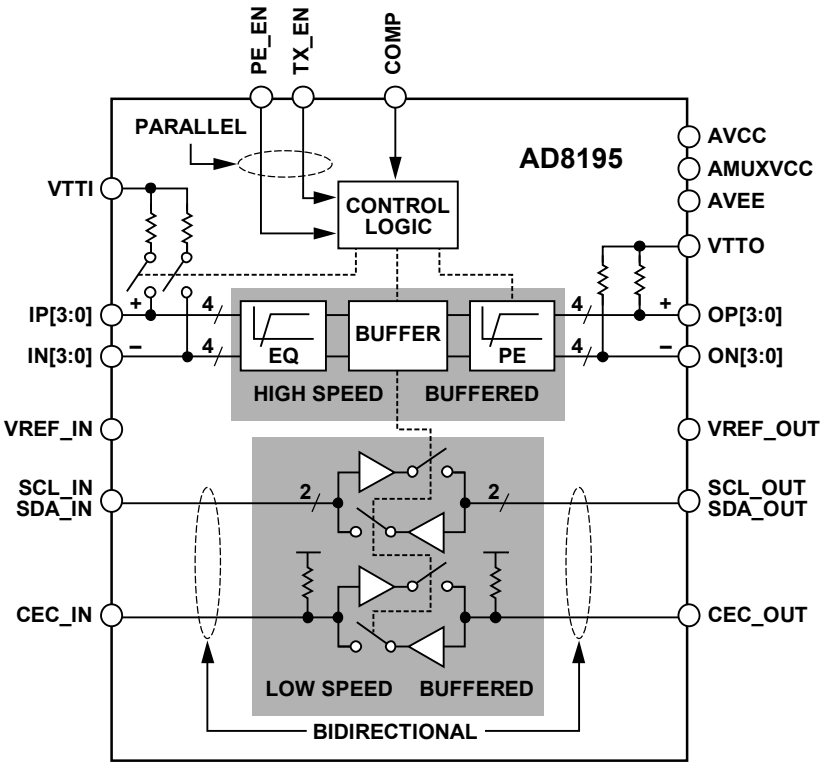
NOTES
1. THE AD8195 LFCSP HAS AN EXPOSED PAD ON THE UNDERSIDE OF THE PACKAGE THAT AIDS IN HEAT DISSIPATION. THE PAD MUST BE ELECTRICALLY CONNECTED TO THE AVEE SUPPLY PLANE IN ORDER TO MEET THERMAL SPECIFICATIONS.

07049-003

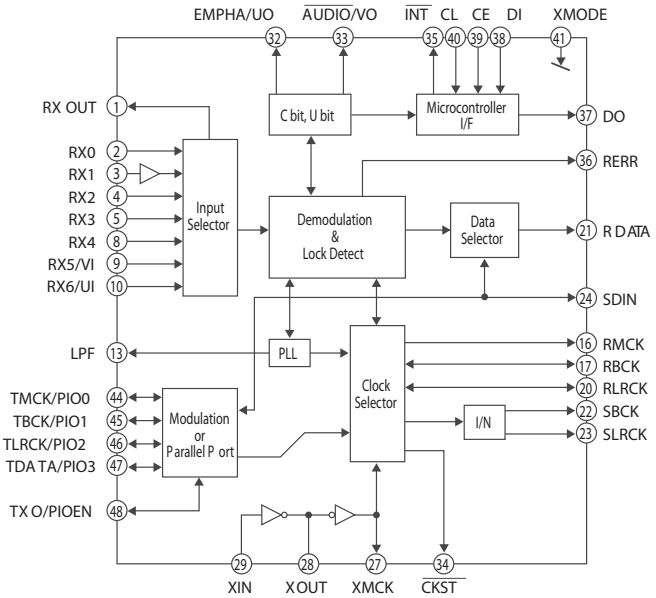
AD8195ACPZ Terminl Function

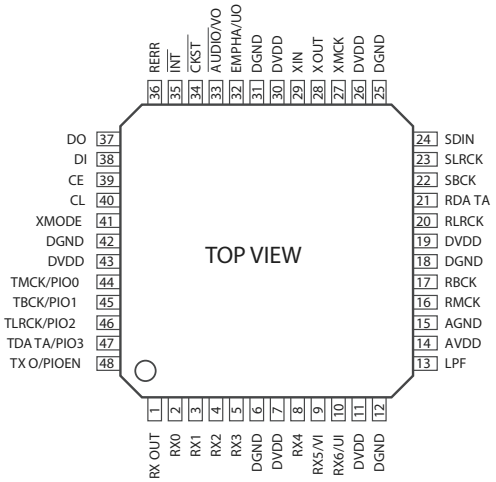
Pin No.	Mnemonic	Type[1]	Description
1	IN0	HS I	High Speed Input Complement.
2	IP0	HS I	High Speed Input.
3	IN1	HS I	High Speed Input Complement.
4	IP1	HS I	High Speed Input.
5	VTTI	Power	Input Termination Supply. Nominally connected to AVCC.
6	IN2	HS I	High Speed Input Complement.
7	IP2	HS I	High Speed Input.
8	IN3	HS I	High Speed Input Complement.
9	IP3	HS I	High Speed Input.
10, 16, 22, 23, 25, 26, 30	AVCC	Power	Positive Analog Supply. 3.3 V nominal.
11	ON0	HS O	High Speed Output Complement.
12	OP0	HS O	High Speed Output.
13	VTTO	Power	Output Termination Supply. Nominally connected to AVCC.
14	ON1	HS O	High Speed Output Complement.
15	OP1	HS O	High Speed Output.
17	ON2	HS O	High Speed Output Complement.
18	OP2	HS O	High Speed Output.
19	ON3	HS O	High Speed Output Complement.
20	OP3	HS O	High Speed Output.
21	COMP	Control	Power-On Compensation Pin. Bypass to ground through a 10 µF capacitor.
24, 27, 37, Exposed Pad	AVEE	Power	Negative Analog Supply. 0 V nominal.
28	TX_EN	Control	High Speed Output Enable Parallel Interface.
29	PE_EN	Control	High Speed Preemphasis Enable Parallel Interface.
31	CEC_OUT	LS I/O	CEC Output Side.
32	AMUXVCC	Power	Positive Auxiliary Buffer Supply. 5 V nominal.

AD8195ACPZ Block diagram



LC89057W-VF4A (HDMI : IC403)





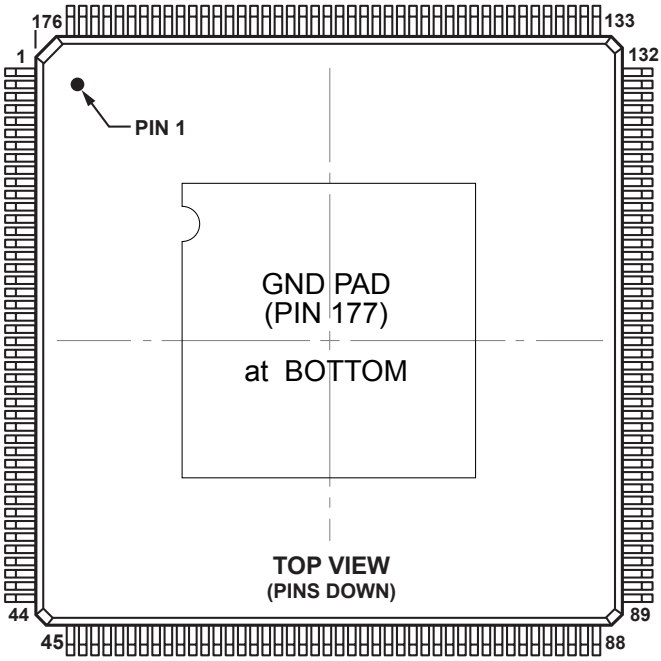
LC89057W-VF4A Terminl Function

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.

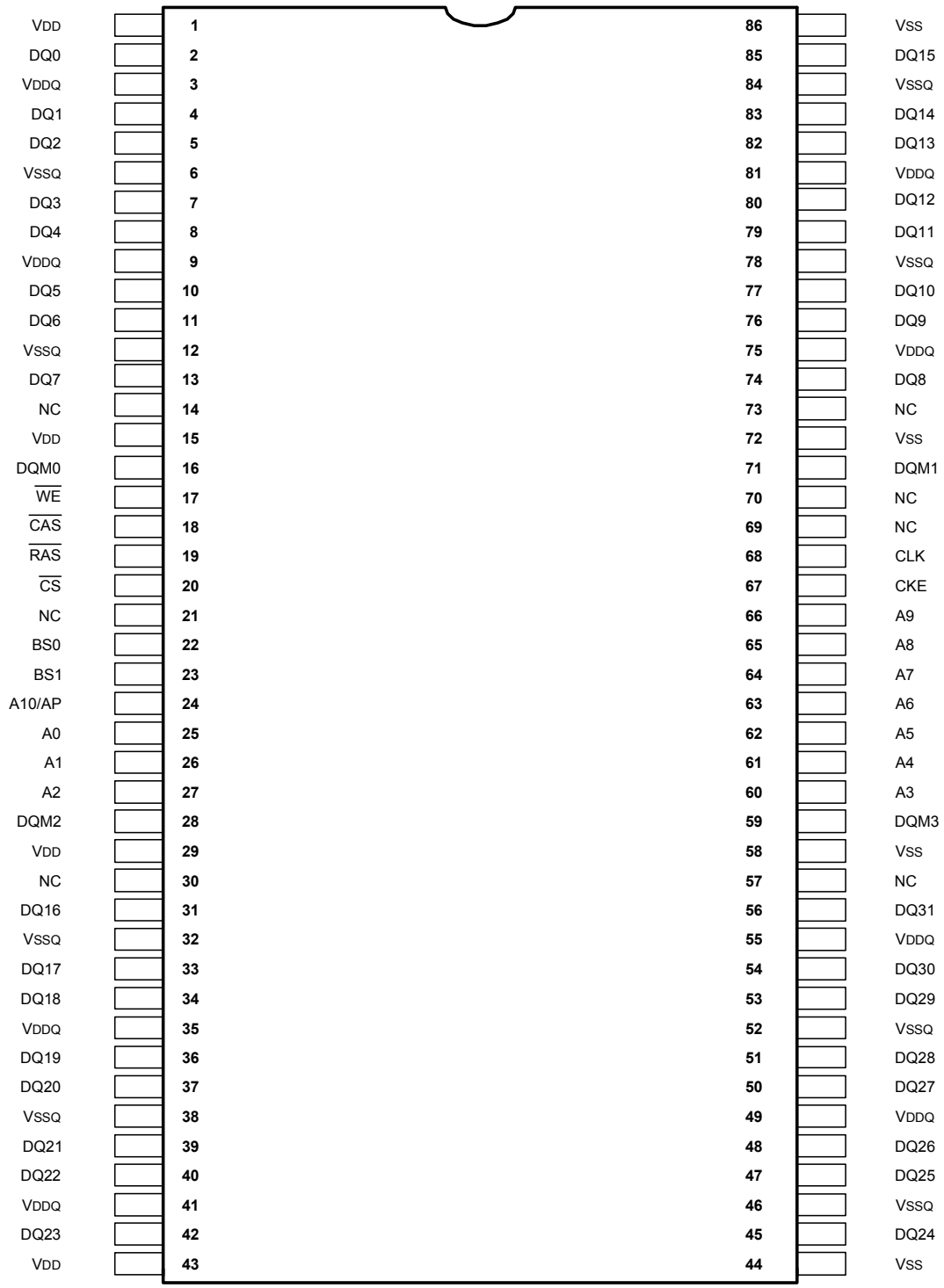
ADSP21487KSWZ-4B (HDMI : IC408)



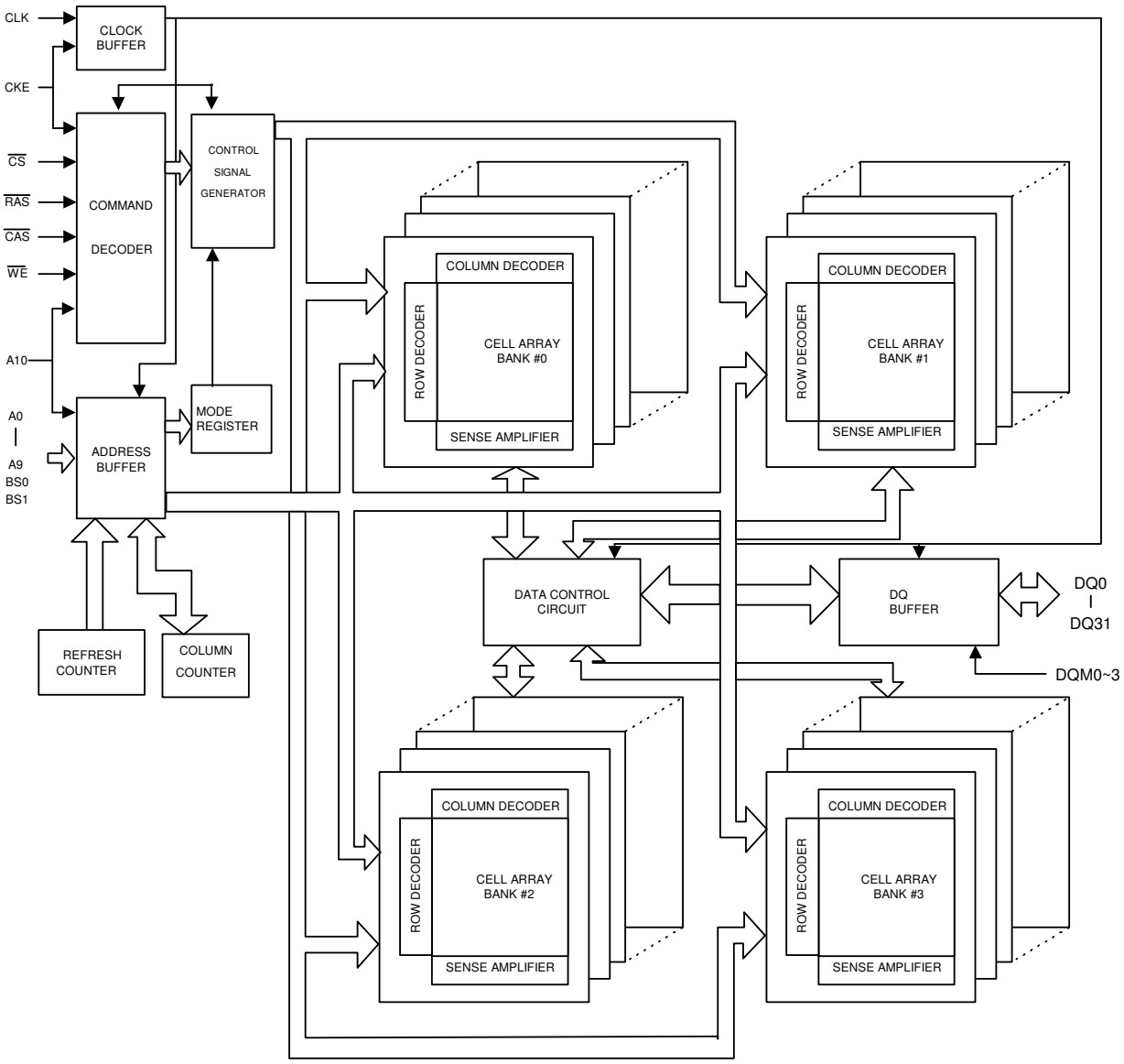
ADSP21487KSWZ Terminal Function

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 (HDMI : IC409)



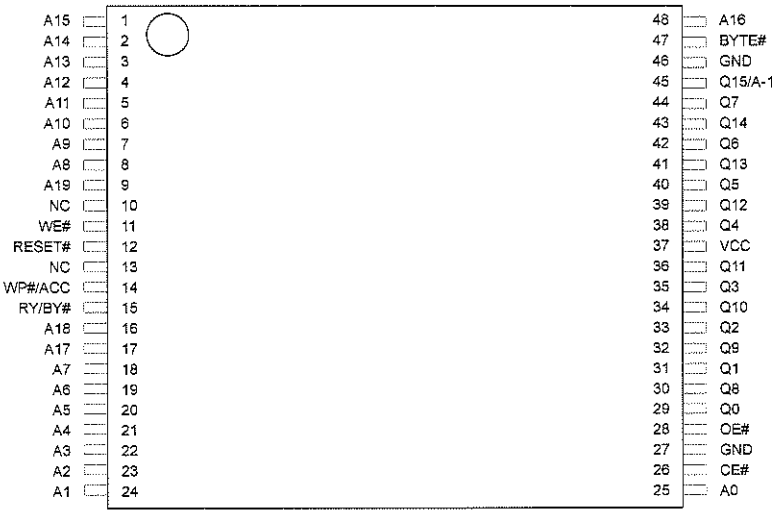
W9864G6JH-6 Block diagram



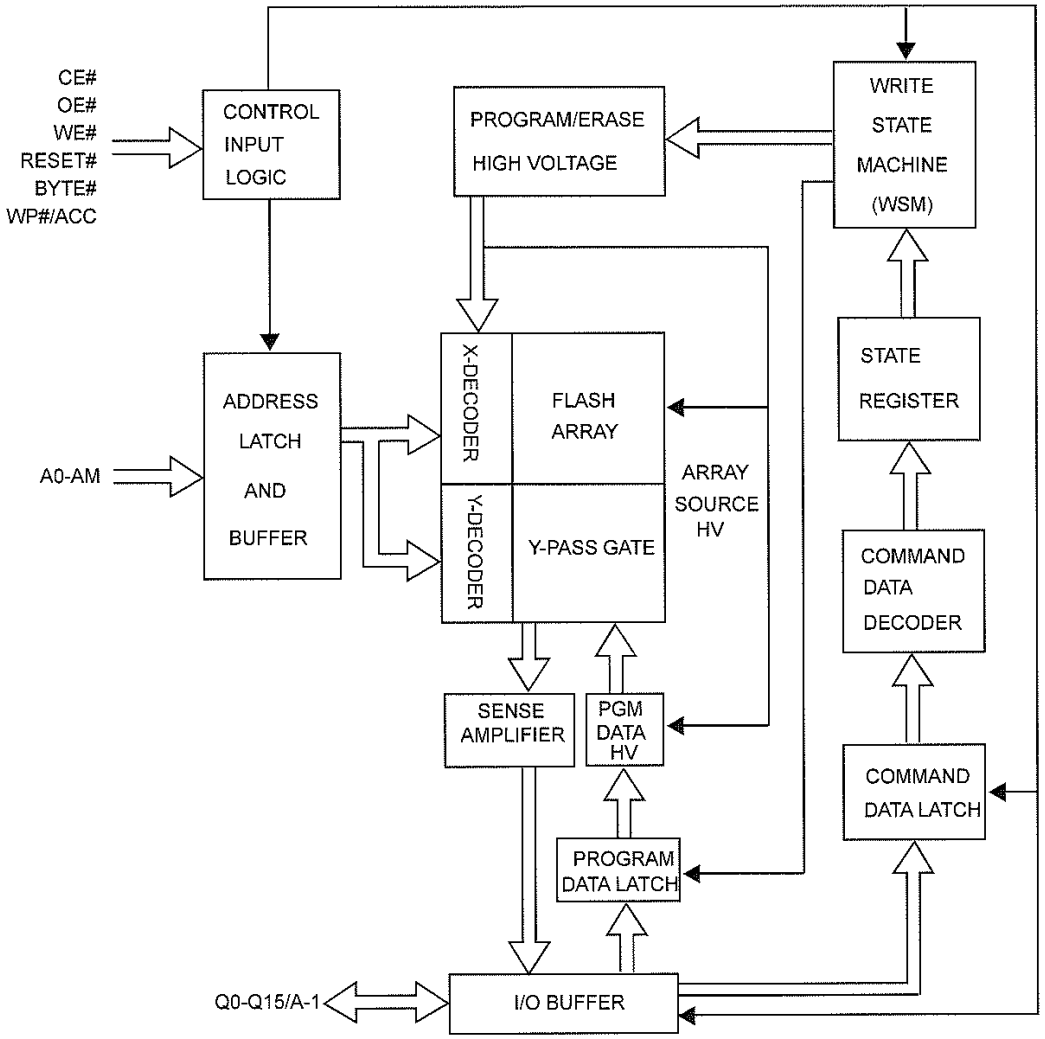
W9864G6JH-6 Pin description

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.

MX29LV160DBTI-70G (HDMI : IC410)



MX29LV160DBTI-70G Block Diagram



PCM5100 (HDMI:IC321)

PCM510X (top view)

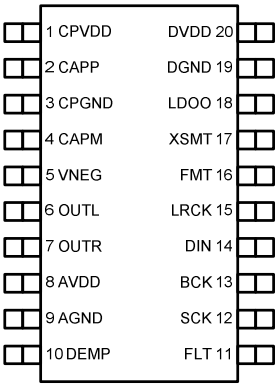


Table 2. TERMINAL FUNCTIONS, PCM510x

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

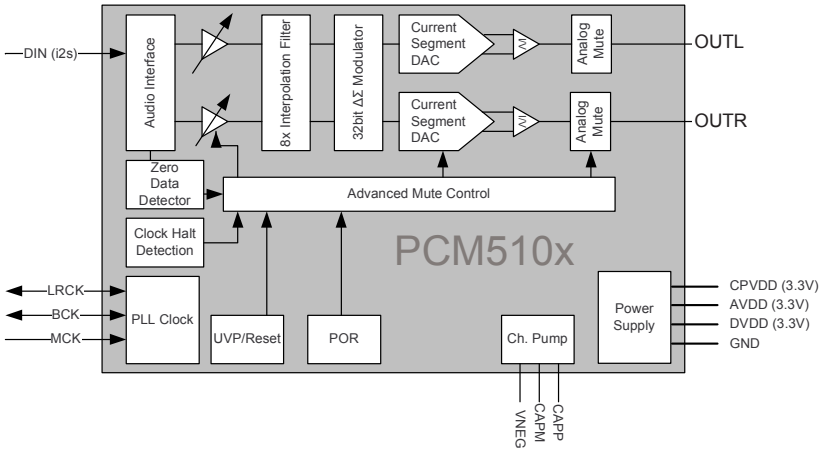
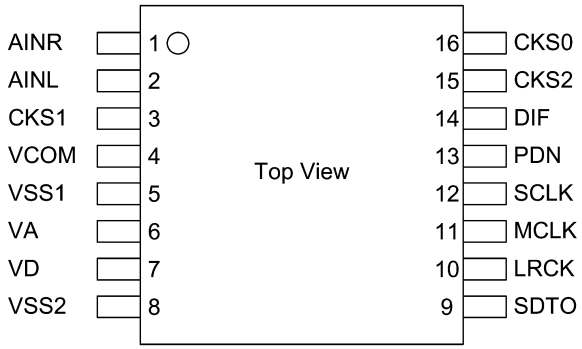


Figure 1. PCM510x Functional Block Diagram

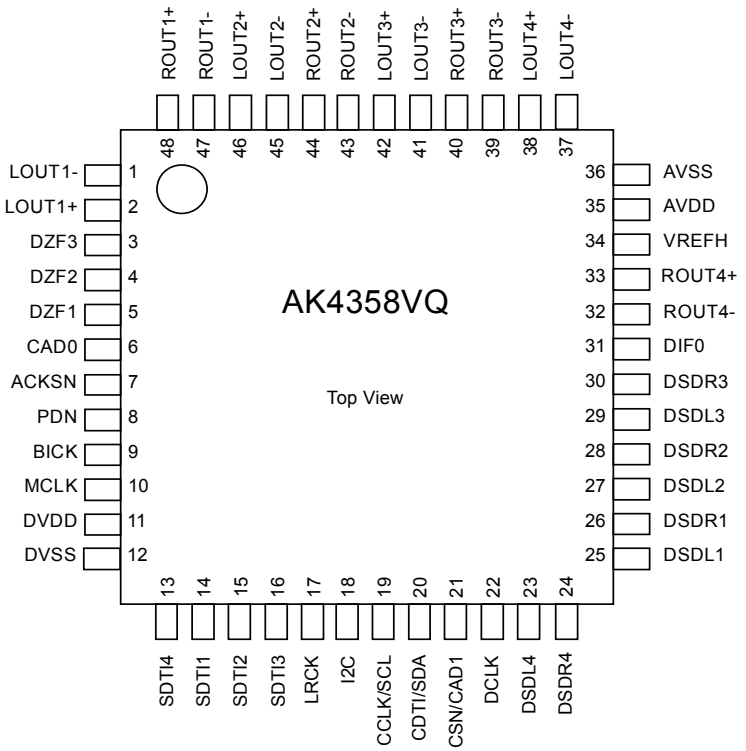
AK5358BET (HDMI : IC451)



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

AK4358VQ (HDMI : IC441)



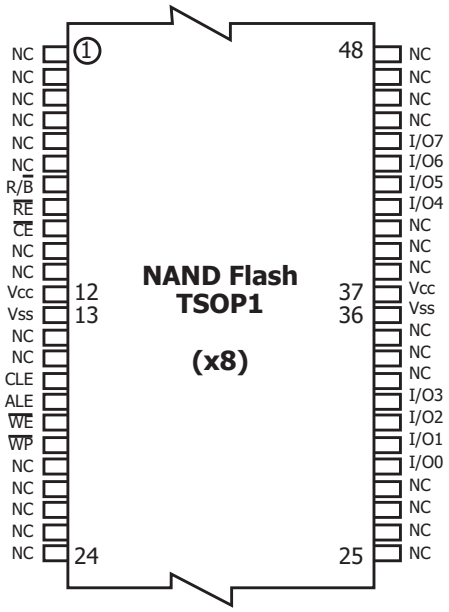
AK4358VQ Pin Function

No.	Pin Name	I/O	Function
1	LOUT1-	O	DAC1 Lch Negative Analog Output Pin
2	LOUT1+	O	DAC1 Lch Positive Analog Output Pin
3	DZF3	O	Zero Input Detect 3 Pin
4	DZF2	O	Zero Input Detect 2 Pin
5	DZF1	O	Zero Input Detect 1 Pin
6	CAD0	I	Chip Address 0 Pin
7	ACKSN	I	Auto Setting Mode Disable Pin (Pull-down Pin) "L": Auto Setting Mode, "H": Manual Setting Mode
8	PDN	I	Power-Down Mode Pin When at "L", the AK4358 is in the power-down mode and is held in reset. The AK4358 should always be reset upon power-up.
9	BICK	I	Audio Serial Data Clock Pin
10	MCLK	I	Master Clock Input Pin An external TTL clock should be input on this pin.
11	DVDD	-	Digital Power Supply Pin, +4.75~+5.25V
12	DVSS	-	Digital Ground Pin
13	SDTI4	I	DAC4 Audio Serial Data Input Pin
14	SDTI1	I	DAC1 Audio Serial Data Input Pin
15	SDTI2	I	DAC2 Audio Serial Data Input Pin
16	SDTI3	I	DAC3 Audio Serial Data Input Pin
17	LRCK	I	L/R Clock Pin
18	I2C	I	Control Mode Select Pin "L": 3-wire Serial, "H": I^2C Bus
19	CCLK/SCL	I	Control Data Clock Pin I2C = "L": CCLK (3-wire Serial), I2C = "H": SCL (I^2C Bus)
20	CDTI/SDA	I/O	Control Data Input Pin I2C = "L": CDTI (3-wire Serial), I2C = "H": SDA (I^2C Bus)
21	CSN/CAD1	I	Chip Select Pin I2C = "L": CSN (3-wire Serial), I2C = "H": CAD1 (I^2C Bus)
22	DCLK	I	DSD Clock Pin
23	DSDL4	I	DAC4 DSD Lch Data Input Pin
24	DSDR4	I	DAC4 DSD Rch Data Input Pin
25	DSDL1	I	DAC1 DSD Lch Data Input Pin
26	DSDR1	I	DAC1 DSD Rch Data Input Pin
27	DSDL2	I	DAC2DSD Lch Data Input Pin
28	DSDR2	I	DAC2 DSD Rch Data Input Pin

29	DSDL3	I	DAC3 DSD Lch Data Input Pin
30	DSDR3	I	DAC3 DSD Rch Data Input Pin
31	DIF0	I	Audio Data Interface Format 0 Pin
32	ROUT4-	O	DAC4 Rch Negative Analog Output Pin
33	ROUT4+	O	DAC4 Rch Positive Analog Output Pin
34	VREFH	I	Positive Voltage Reference Input Pin
35	AVDD	-	Analog Power Supply Pin, +4.75~+5.25V
36	AVSS	-	Analog Ground Pin
37	LOUT4-	O	DAC4 Lch Negative Analog Output Pin
38	LOUT4+	O	DAC4 Lch Positive Analog Output Pin
39	ROUT3-	O	DAC3 Rch Negative Analog Output Pin
40	ROUT3+	O	DAC3 Rch Positive Analog Output Pin
41	LOUT3-	O	DAC3 Lch Negative Analog Output Pin
42	LOUT3+	O	DAC3 Lch Positive Analog Output Pin
43	ROUT2-	O	DAC2 Rch Negative Analog Output Pin
44	ROUT2+	O	DAC2 Rch Positive Analog Output Pin
45	LOUT2-	O	DAC2 Lch Negative Analog Output Pin
46	LOUT2+	O	DAC2 Lch Positive Analog Output Pin
47	ROUT1-	O	DAC1 Rch Negative Analog Output Pin
48	ROUT1+	O	DAC1 Rch Positive Analog Output Pin

Note: All input pins except pull-down pin should not be left floating.

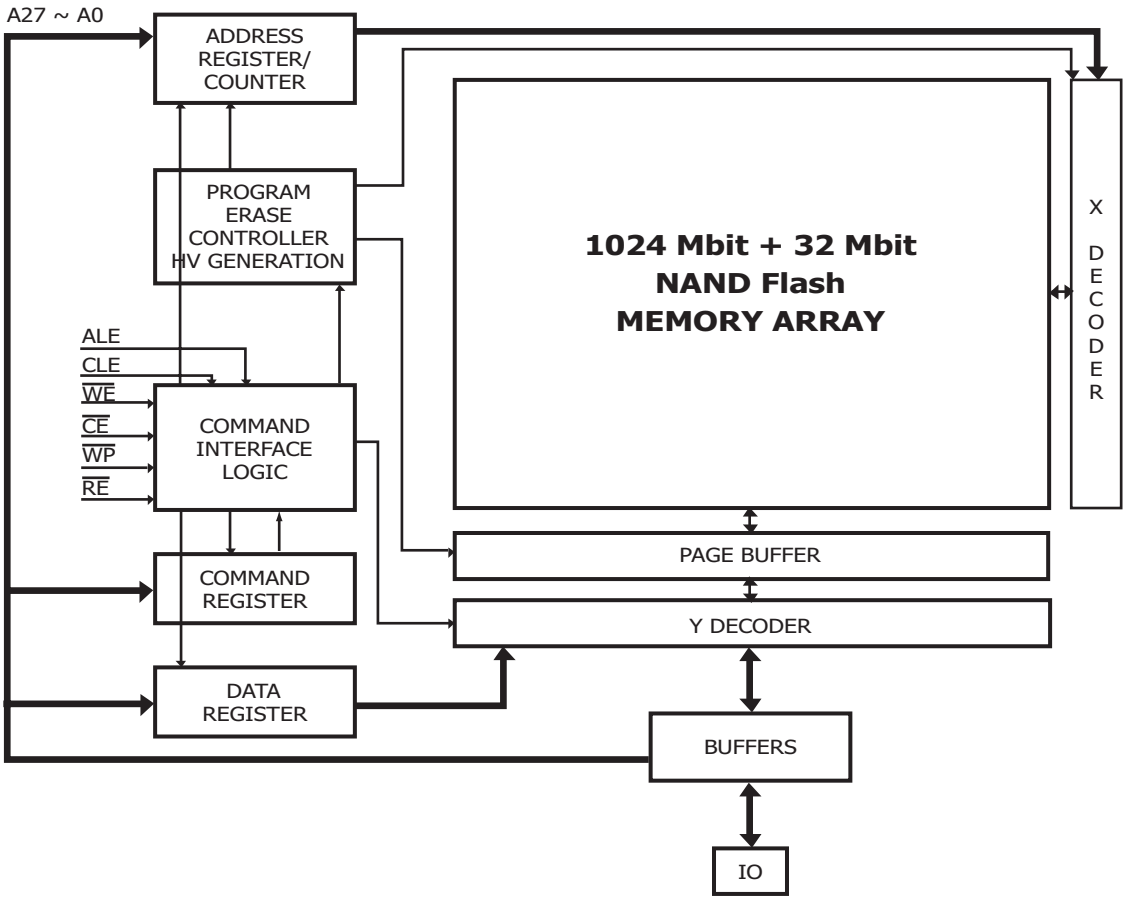
H27U1G8F2BTR-BC (HDMI : IC394)



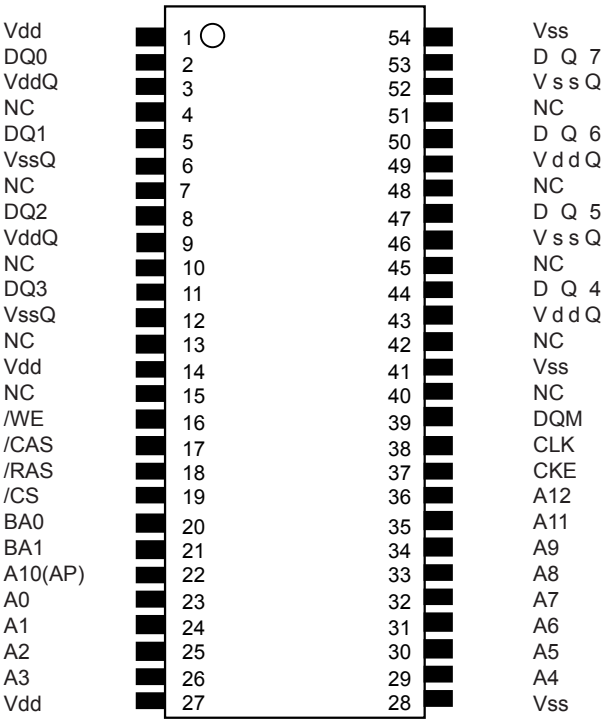
H27U1G8F2BTR-BC Pin Function

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 (HDMI:IC392,393)

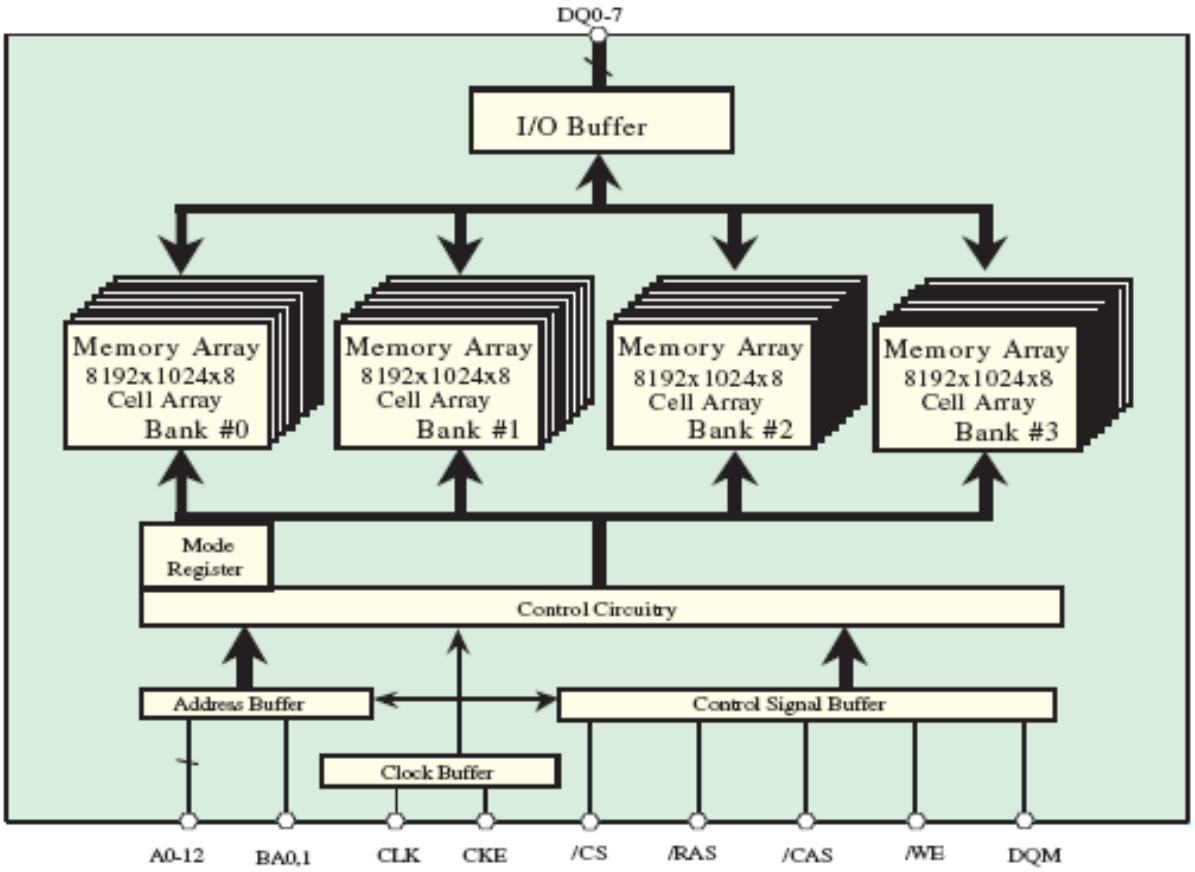


A3V56S30FTP-G6 Pin Function

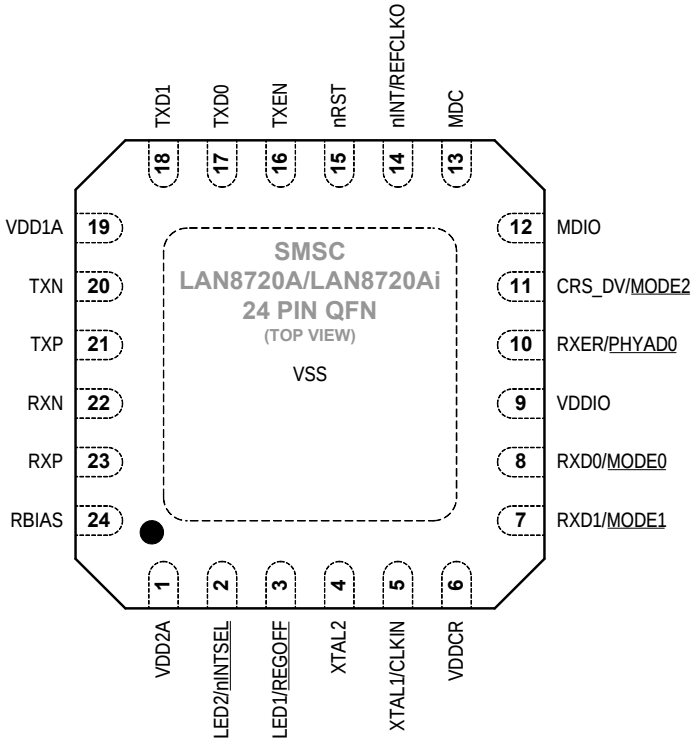
Pin Descriptions

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 (HDMI: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

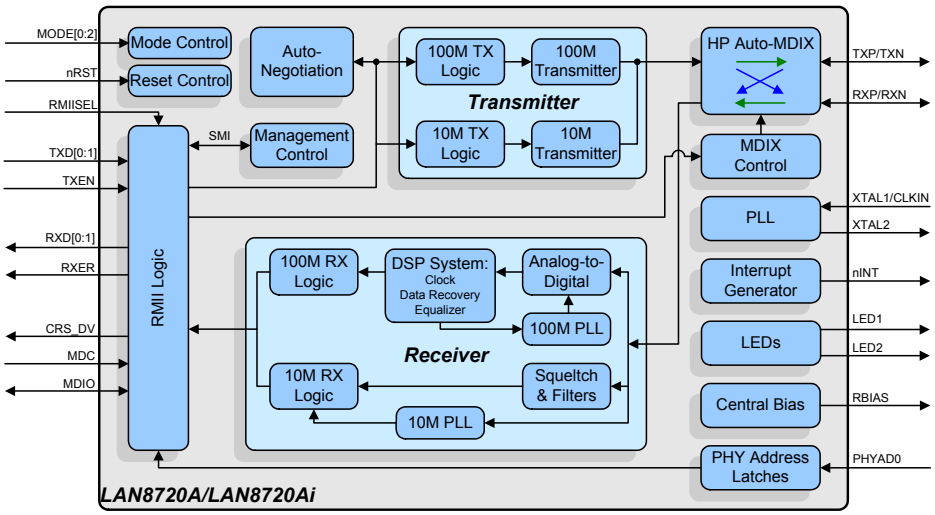
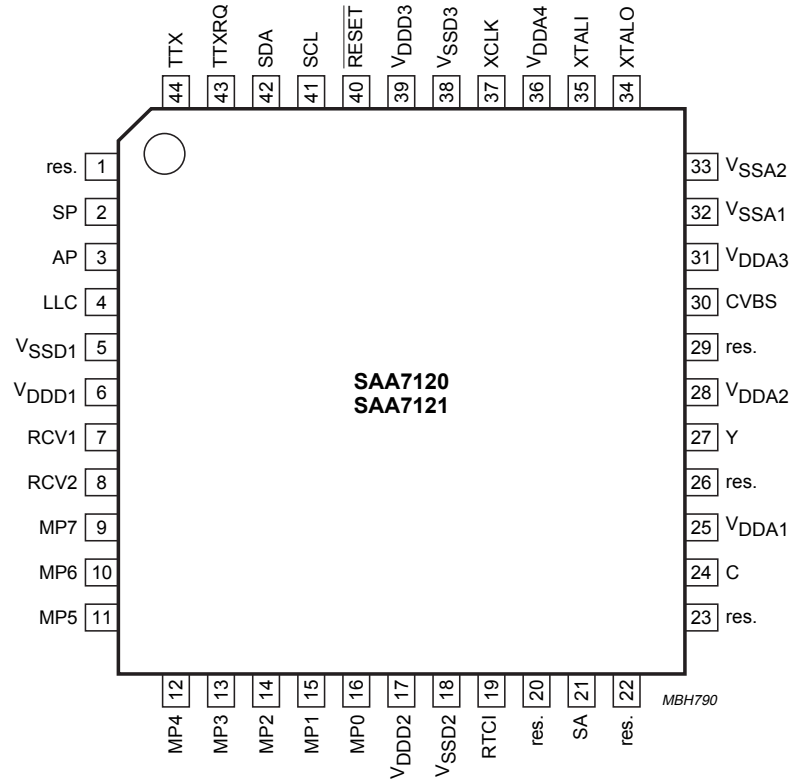
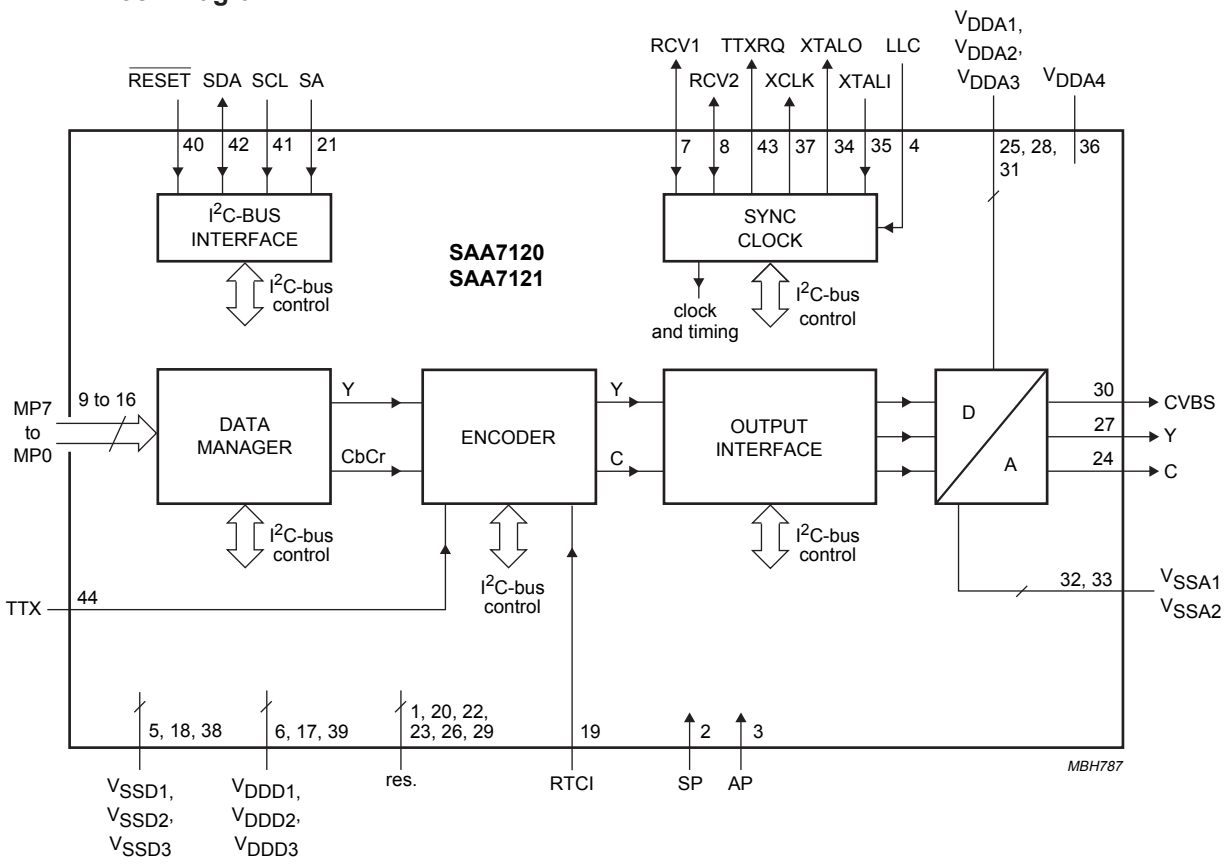


Figure 1.2 Architectural Overview

SAA7121 (HDMI : IC323)



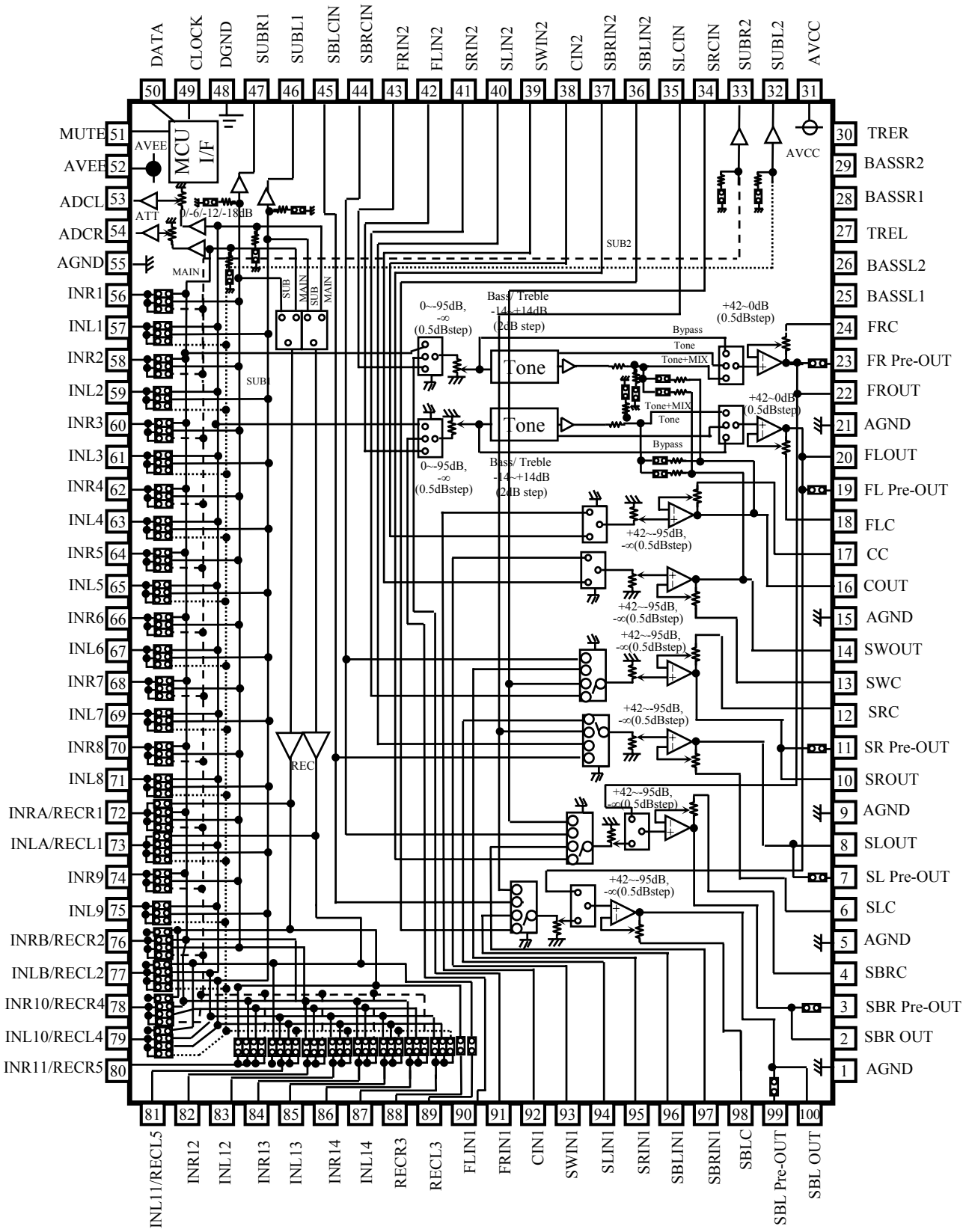
SAA7121 Block Diagram



SAA7121 Pin Description

SYMBOL	PIN	I/O	DESCRIPTION
res.	1	–	reserved
SP	2	I	test pin; connected to digital ground for normal operation
AP	3	I	test pin; connected to digital ground for normal operation
LLC	4	I	line-locked clock; this is the 27 MHz master clock for the encoder
V_{SSD1}	5	I	digital ground 1
V_{DDD1}	6	I	digital supply voltage 1
RCV1	7	I/O	raster control 1 for video port; this pin receives/provides a VS/FS/FSEQ signal
RCV2	8	I/O	raster control 2 for video port; this pin provides an HS pulse of programmable length or receives an HS pulse
MP7	9	I	MPEG port; it is an input for *"CCIR 656"* style multiplexed Cb Y, Cr data
MP6	10	I	
MP5	11	I	
MP4	12	I	
MP3	13	I	
MP2	14	I	
MP1	15	I	
MP0	16	I	
V_{DDD2}	17	I	digital supply voltage 2
V_{SSD2}	18	I	digital ground 2
RTCI	19	I	Real Time Control input; if the LLC clock is provided by an SAA7111 or SAA7151B, RTCI should be connected to pin RTCO of the decoder to improve the signal quality
res.	20	–	reserved
SA	21	I	the I^2C-bus slave address select input pin; LOW: slave address = 88H, HIGH = 8CH
res.	22	–	reserved
res.	23	–	reserved
C	24	O	analog output of the chrominance signal
V_{DDA1}	25	I	analog supply voltage 1 for the C DAC
res.	26	–	reserved
Y	27	O	analog output of VBS signal
V_{DDA2}	28	I	analog supply voltage 2 for the Y DAC
res.	29	–	reserved
CVBS	30	O	analog output of the CVBS signal
V_{DDA3}	31	I	analog supply voltage 3 for the CVBS DAC
V_{SSA1}	32	I	analog ground 1 for the DACs
V_{SSA2}	33	I	analog ground 2 for the oscillator and reference voltage
XTALO	34	O	crystal oscillator output (to crystal)
XTALI	35	I	crystal oscillator input (from crystal); if the oscillator is not used, this pin should be connected to ground
V_{DDA4}	36	I	analog supply voltage 4 for the oscillator and reference voltage
XCLK	37	O	clock output of the crystal oscillator

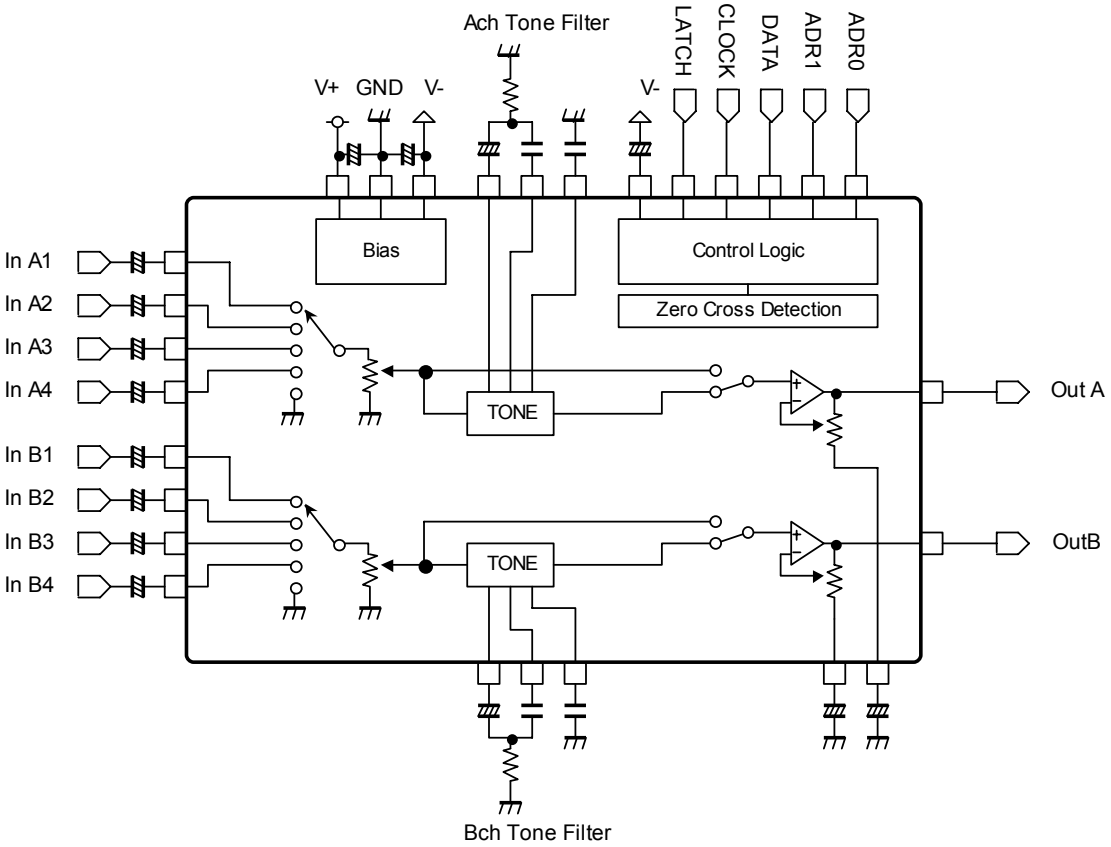
R2A15220FP (AUDIO : IC471)



R2A15220FP Pin Function

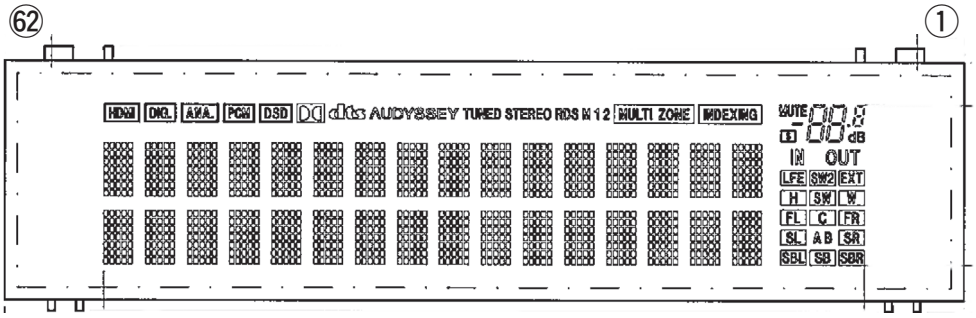
PIN No.	Name	Function
22,20, 16,14, 10, 8, 2, 100	FROUT,FLOUT, COUT,SWOUT, SROUT, SLOUT, SBROUT,SBLOUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
23,19, 11, 7, 3, 99	FR Pre-out,FL Pre-out, SR Pre-out, SL Pre-out, SBR Pre-out,SBL Pre-out	Pre-output pin of FL/FR/SL/SR/SBL/SBR channel
24,18, 17,13,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

NJW1194A (AUDIO : IC484,IC489)



2. FL DISPLAY

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



PIN CONNECTION

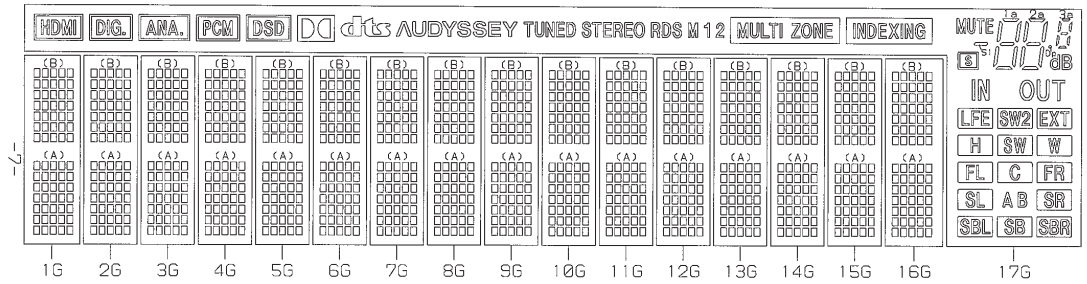
PIN CONNECTION

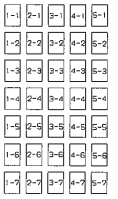
PIN NO.	62	61	60	59	58	57	56	55	54	53	52	51
CONNECTION	F2	NX	NP	LGND	PGND	VH	VDD	OSC	RESET	CS	CP	DA

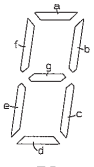
PIN NO.	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	DA	TSA	TSB	Q17G	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX	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




(1G~16G)


(17G)

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

PARTS LIST OF PCB UNIT

∗Parts indicated by "nsp" on this table cannot be supplied.
∗The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions.

NOTE: The symbols in the column "Remarks" indicate the following destinations.
U : North America model N : Europe model K : China model
B : Black model SG : Silver gold model

FRONT PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	D6021	90M-HD302360R	DIODE , ZENER ,1/2W, 6.8V		CVDZJ6.8BT	1	
	D6023,6024	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1	
	D6026	943202007690S	DIODE , ZENER ,1/2W, 18V		CVDZJ18BT	1	
	D6027	00D9430087209	DIODE , ZENER ,1/2W, 24V		CVDZJ24BT	1	
	D6029,6030	90M-HI101190R	BLUE L.E.D		CVD52CSBBCEAB2	1	
	D6033,6034	90M-HI101190R	BLUE L.E.D		CVD52CSBBCEAB2	1	
	D6037,6038	263010046507S	LED , SUPER RED		CVDBLBUF4V5K1AV	1	
	D6039-6041	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D6453-6455	963209003510S	DIODE , RELIABLE ESD PROTECTION		CVDCDS3C05HDMI1	1	
	D6712	00D2760694903	DIODE , ZENER (CHIP,5.1V)		HVDUDZS5.1BSR	1	
	D6729,6730	00D2760694903	DIODE , ZENER (CHIP,5.1V)		HVDUDZS5.1BSR	1	
	IC601	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	IC603	963231101200S	I.C, REGULATOR(ADJ/TO-252)		CVINJM2887DL3	1	
	IC607	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	Q6005	943219006820S	TR KTC1027Y		CVTKTC1027YT	1	
	Q6011	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q6014-6016	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	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	1	
	Q6702	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
CAPACITORS GROUP							
	C1003-1006	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C1008-1012	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C1017	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C1018-1020	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C6007,6008	nsp	CAP, ELECT(63V/470uF)		CCEA1JH471E	1	
	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	1	
	C6025	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1	
	C6027	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1	
	C6034	nsp	CAP, CHIP(1608, 50V/0.1uF)		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	1	
	C6081	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C6083	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C6091-6093	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	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	1	
	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	1	
	C6353,6354	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	1	
	C6380,6381	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C6423,6424	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	1	
	C6453	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C6454	00D9430173003	CAP, ELECT(10V/220uF)-S		CCEA1AKS221T	1	
	C6501,6502	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1	
	C6511	nsp	CAP, ELECT(50V/1uF)-S		CCEA1HKS1R0T	1	
	C6512,6513	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	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	1	
	C6623,6624	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	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	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1	
	C6720	nsp	CAP, CHIP(1608, 50V/82pF)		CCUS1H820JA	1	
	C6731,6732	nsp	CAP, ELECT(50V/1uF)		CCEA1HH1R0T	1	
	C6733,6734	nsp	CAP, CHIP(1608, 50V/0.047uF)		CCUS1H473KC	1	
	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	
RESISTORS GROUP							
	R1005	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R6001,6002	00MNN05201610	RES, CHIP(1608/5%/200ohm)		CRJ10DJ201T	1	
	R6003,6004	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R6005	00MNN05010610	RES, CHIP(1608/5%/1ohm)		CRJ10DJ1R0T	1	
	R6006	nsp	RES, CHIP(1608/5%/2.2ohm)		CRJ10DJ2R2T	1	
	R6016	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6024	943124500040S	RES, M-OXIDE FILM(1W/4.7ohm)		CRG1SANJ4R7RT	1	
	R6025,6026	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R6031	00MNN05273610	RES,CHIP(1608/5%/27Kohm)		CRJ10DJ273T	1	
	R6032	00MNN05224610	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	1	
	R6033,6034	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R6038,6039	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R6041	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6042	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6043	00MNN05473610	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1	
	R6044	nsp	RES, CHIP(1608/5%/390Kohm)		CRJ10DJ394T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R6046	00MNN05124610	RES,CHIP(1608/5%/120Kohm)		CRJ10DJ124T	1	
	R6049-6051	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6058-6060	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6066-6068	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1	
	R6071-6073	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6079-6081	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	1	
	R6082	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R6084,6085	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6088,6089	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R6093-6096	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R6097,6098	00MNN05561610	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1	
	R6105	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6106	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R6108	00MNN05821610	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1	
	R6109	00MNN05561610	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1	
	R6110	nsp	RES, CHIP(1608/5%/75Kohm)		CRJ10DJ753T	1	
	R6111	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6112	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1	
	R6115,6116	00MNN05122610	RES,CHIP(1608/5%/1.2Kohm)		CRJ10DJ122T	1	
	R6117	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1	
	R6119	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1	
	R6121	nsp	RES, CHIP(1608/5%/150ohm)		CRJ10DJ151T	1	
	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	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6302	00MNN05391610	RES, CHIP(1608/5%/390ohm)		CRJ10DJ391T	1	
	R6351,6352	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6353,6354	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R6421,6422	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6423,6424	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R6451	00MNN05222610	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
	R6452-6454	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R6503	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6601,6602	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R6603-6605	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6607	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6613,6614	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6703	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6704	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6711	00MNN05222610	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
	R6718	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6719	00MNN05821610	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	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R6726	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R6734	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	VR601	943663001560S	ENCODER		CSR2A047Z	1	
	VR604	943671010330S	ENCODER(16MM, 24PULSES),W/CLICK		CSR2A055Z	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
OTHERS PARTS GROUP							
	BK601	nsp	BRACKET , PCB		CMD1A569	1	
	BK604	nsp	BRACKET , VFD		CMD1A793	1	
	BK605	nsp	BRACKET , FLT	U/N	CMD1A209-V1	1	
	BK605	nsp	BRACKET , FLT	K	CMD1A209	1	
	BK606	nsp	BRACKET , FLT	U/N	CMD1A209-V1	1	
	BK606	nsp	BRACKET , FLT	K	CMD1A209	1	
	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(DIP)		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, FUTABA, GP1261AI		CFLGP1261AI	1	
	JK604	943643101590S	JACK,USBSTRAIGHT(BLACK1.5A)		CJJ9X010Z	1	
	JK605	90M-YT004500R	JACK, PHONES(6.35mm,SILVER)		CJJ2E026Z	1	
	JK606	nsp	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	1	
	JW605	nsp	WIRE ASS'Y (1P, 80MM,BLK,#22)		CWE5202080A	1	
	L6451,6452	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	L6501	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	LD601	963263012100S	LED , RED/YELLOW GREEN		CVDBLBVT201GTBS20V	1	
	RC601	262010007707S	SENSOR, REMOTE(36.7KHz)		CRVHM336R	1	
	S6001-6023	00D9430004402	TACT SW		CST1A012ZT	1	
	S6024	665010017006S	SW, SLIDE (1C2P, 12V , 0.1A)		CSS1B001Z	1	

FRONT HDMI PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	IC101	nsp	I.C, HDMI BUFFER		CVIAD8195ACPZ	1	
CAPACITORS GROUP							
	C1007	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	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, X5R)		CCUC0J106KC	1	
	C1016	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
RESISTORS GROUP							
	R1001	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R1002	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R1007	00MNN05473610	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1	
	R1012,1013	nsp	RES,CHIP(1608/5%/2Kohm)		CRJ10DJ202T	1	
	R1022	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
OTHERS PARTS GROUP							
	BK103	nsp	EARTH , HDMI		CMC1A436	1	
	CN101	nsp	WAFER, FFC, SMD(23P-1mm, STRAIGHT)		CJP23GA193ZY	1	
	JK101	9436431019305	JACK, HDMI(KSI-TWI, W/O FLANGE)		CJJ9H015Z	1	
	L1001,1002	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
		18301001910AS	MODULE , HD RADIO	U	CNVKRMAVR2011	1	

SMPS PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	D9001-9006	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D9008,9009	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D9010	00D9430182609	DIODE , SWITCHING, 1SS133		CVD1SS133MT	1	
	D9012	943209500030S	DIODE, LOW FORWARD SCHOTTKY RECTIFIER		CVDSRL3060P	1	
	D9013	963209010430S	DIODE, RECTIFIER (1000V)		CVDAP01CT	1	
⚠	IC901	2310100091708S	I.C , OFF-LINE POWER SWITCH		CVITOP258MG	1	
⚠	IC902	963239010480S	I.C , PHOTOCOUPLER		CVIPC123Y22FZ0F	1	
	IC903	2120500105O8S	I.C , SHUNT REGULATOR(TO-92)		CVIKIA2431AP	1	
	Q9001-9003	00D9430154404	TR KTC3198Y		HVTKTC3198YT	1	
	ZD901	00D2760762958	DIODE , ZENER ,1/2W, 39V	U	CVDZJ39BT	1	
	ZD901	nsp	RES, CARBON(1/5W,1Mohm,J)	N/K	CRD20TJ105T	1	
	ZD902	00D2760762958	DIODE , ZENER ,1/2W, 39V	U	CVDZJ39BT	1	
	ZD902	nsp	RES, CARBON(1/5W,1Mohm,J)	N/K	CRD20TJ105T	1	
	ZD903	963202010440S	DIODE , ZENER ,1/2W, 22V	U	CVDZJ22BT	1	
	ZD903	00D2760762958	DIODE , ZENER ,1/2W, 39V	N/K	CVDZJ39BT	1	
	ZD904	00D2760762958	DIODE , ZENER ,1/2W, 39V	N/K	CVDZJ39BT	1	
	ZD905	00D2760762958	DIODE , ZENER ,1/2W, 39V	N/K	CVDZJ39BT	1	
	ZD906	00D2760762958	DIODE , ZENER ,1/2W, 39V	N/K	CVDZJ39BT	1	
	ZD907-910	00D2760762958	DIODE , ZENER ,1/2W, 39V	N/K	CVDZJ39BT	1	
	ZD911-918	963202010440S	DIODE , ZENER ,1/2W, 22V		CVDZJ22BT	1	
	ZD919	00D9600095607	DIODE , ZENER ,1/2W, 5.6V		CVDZJ5.6BT	1	
	ZD920	00D2760762958	DIODE , ZENER ,1/2W, 39V		CVDZJ39BT	1	
CAPACITORS GROUP							
	C4661,4662	nsp	CAP, CHIP(1608, 50V/100pF)	N/K	CCUS1H101JA	1	
	C4665,4666	nsp	CAP,CHIP(1608,50V/220pF)		CCUS1H221JA	1	
	C4803-4806	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C4819,4820	nsp	CAP, CHIP(1608, 50V/68pF)		CCUS1H680JA	1	
	C4823,4824	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C4837,4838	nsp	CAP, CHIP(1608, 50V/3300pF)		CCUS1H332KC	1	
	C4839,4840	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C4853-4856	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C4869,4870	nsp	CAP, CHIP(1608, 50V/68pF)		CCUS1H680JA	1	
	C4873,4874	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C4887,4888	nsp	CAP, CHIP(1608, 50V/3300pF)		CCUS1H332KC	1	
	C4889,4890	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
⚠	C9001-9003	963132011940S	CAP, CERAMIC(X1/Y2,0.01uF,AC250V)		CCKDKY103MFM	1	
	C9004	943134501590S	CAP, ELECT(200V/100uF),105'C	U	CCET200NHA101ES	1	
	C9004	963134010200S	CAP , ELECT (400V/100UF, 18X40, NHA)	N/K	CCET400NHA101ES	1	
	C9006-9008	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C9009	00D9430175108	CAP, ELECT(50V/10uF),105'C		CCEA1HNXA100TS	1	
	C9010	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	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	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C9019	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C9020-9022	963134010220S	CAP, ELECT(6.3V/5600uF)		CCEA0JNXA562ES	1	
	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	
RESISTORS GROUP							
	R4609,4610	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R4619,4620	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R4629,4630	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R4639,4640	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R4649,4650	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R4661	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1	
	R4661	nsp	RES, CHIP(1608/5%/4.7Kohm)	N/K	CRJ10DJ472T	1	
	R4662	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1	
	R4662	nsp	RES, CHIP(1608/5%/4.7Kohm)	N/K	CRJ10DJ472T	1	
	R4663,4664	00MNN05391610	RES, CHIP(1608/5%/390ohm)		CRJ10DJ391T	1	
	R4665,4666	00MNN05683610	RES, CHIP(1608/5%/68Kohm)		CRJ10DJ683T	1	
	R4671,4672	90M-NN000630R	RES, CHIP(1608/5%/240ohm)		CRJ10DJ241T	1	
	R4687,4688	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R4702,4703	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4707	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4710,4711	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4714,4715	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4719,4720	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4723,4724	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R4729,4730	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R4757,4758	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4761-4768	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R4773,4774	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R4781,4782	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R4801,4802	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R4803,4804	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1	
	R4805,4806	00MNN05274610	RES, CHIP(1608/5%/270Kohm)		CRJ10DJ274T	1	
	R4807,4808	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R4813,4814	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R4815-4818	00MNN05683610	RES, CHIP(1608/5%/68Kohm)		CRJ10DJ683T	1	
	R4819,4820	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
	R4821-4824	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R4825,4826	00MNN05470610	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1	
	R4827,4828	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R4831,4832	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4833-4836	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R4841,4842	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R4851,4852	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R4853,4854	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1	
	R4855,4856	00MNN05274610	RES, CHIP(1608/5%/270Kohm)		CRJ10DJ274T	1	
	R4857,4858	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R4863,4864	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R4865-4868	00MNN05683610	RES, CHIP(1608/5%/68Kohm)		CRJ10DJ683T	1	
	R4869,4870	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R4871-4874	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R4875,4876	00MNN05470610	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1	
	R4877,4878	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R4881,4882	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4883-4886	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R4891,4892	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R4899	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R9002,9003	nsp	RES, CARBON(1/5W,1Mohm,J)		CRD20TJ105T	1	
	R9004	00MGD05474160	RES, CARBON(1/5W,470Kohm,J)		CRD20TJ474T	1	
	R9005	00MNN05470610	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1	
	R9006	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R9007	00MNN05274610	RES, CHIP(1608/5%/270Kohm)		CRJ10DJ274T	1	
	R9008,9009	00MGD05225160	RES, CARBON(1/5W,2.2Mohm,J)	U	CRD20TJ225T	1	
	R9010	nsp	RES, CARBON(1/5W,1Mohm,J)	U	CRD20TJ105T	1	
	R9013	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R9014	00MNN05274610	RES, CHIP(1608/5%/270Kohm)	U	CRJ10DJ274T	1	
	R9014	00MNN05563610	RES, CHIP(1608/5%/56Kohm)	N/K	CRJ10DJ563T	1	
	R9015	nsp	RES,CHIP(1608/5%/15Kohm)		CRJ10DJ153T	1	
	R9016	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R9017	nsp	RES, CARBON(1/5W,6.8ohm,J)		CRD20TJ6R8T	1	
	R9018	00MGD05560160	RES, CARBON(1/5W,56ohm,J)		CRD20TJ560T	1	
	R9019	nsp	RES, CARBON(1/5W,3.3Kohm,J)		CRD20TJ332T	1	
	R9020	00MGD05562160	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	
	R9025	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R9026	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R9027	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
⚠	R9031-9034	943121500030S	RES, CHIP(2012/5%/2.2Mohm)		CRJ18AJ225T	1	
OTHERS PARTS GROUP							
	BK901	nsp	BRACKET , PCB(A)		CMD2A188-V1	1	
	BK903	nsp	PCB BRACKET		CMD1A629	1	
	BN903	nsp	WIRE ASS'Y LOCKING (5P,2.5MM,400MM,UL1569#22,105)		CWB7D0054003D001	1	
	CN902	nsp	WAFER, 2P, 7.92mm		CJP02GA89ZY	1	
⚠	CX901	943139500020S	CAP , POLYPROPYLENE FILM (0.1uF/275VAC)		CCQF2E104KZE-T	1	
⚠	CY901,902	963134011730S	CAP, CERAMIC(X1/Y1,470P,AC250V)		CCKDKX471KBM	1	
⚠	F9001,9002	nsp	HOLDER , FUSE		KJCFC5S	2	
⚠	JK901	963641011240S	RECEPTACLE, (10A/AC250V)		CJJ8A015ZM	1	
⚠	LF902	963111010230S	LINE FILTER, 27uH	U	CLZ9Z126Z	1	
⚠	LF902	943111100410S	LINE FILTER, 50uH	N/K	CLZ9Z133Z	1	
⚠	RY901	963682010370S	RELAY,HL31-1AT-5H,DC5V,1C1P		CSL1C006ZE	1	
⚠	T9001	963102010240S	TRANS, SWITCHING(ST-4430A)		CLT9Z067ZE	1	

INPUT PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	D4779,4780	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1	
	IC466	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	IC471	235810045600S	I.C , 8CH VOLUME		CVIR2A15220FP	1	
	IC481-483	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	IC484	00D2623727904	I.C , 2CH VOLUME		CVINJW1194V	1	
	IC486-488	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	IC489	00D2623727904	I.C , 2CH VOLUME		CVINJW1194V	1	
CAPACITORS GROUP							
	C4603,4604	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C4607,4608	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C4613,4614	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C4617,4618	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C4627,4628	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C4633,4634	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C4637,4638	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C4643,4644	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C4647,4648	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C4663,4664	nsp	CAP, ELECT (10uF/50V, 6.3X11, RA3) 00MF3#8P-T2		CCEA1HRA38P100T	1	
	C4675,4676	nsp	CAP, ELECT(16V/220uF),ELNA/RA3 A3-16V221MF3#8P-T2		CCEA1CRA3221T	1	
	C4677,4678	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C4679,4680	nsp	CAP, MYLAR(50V/0.022uF/J)		HCQI1H223JZT	1	
	C4681,4682	943139001260S	EOL item CAP, MYLAR(50V/6800pF/J)		HCQI1H682JZT	1	
	C4687-4690	nsp	CAP, ELECT (10uF/50V, 6.3X11, RA3) 00MF3#8P-T2		CCEA1HRA38P100T	1	
	C4701,4702	nsp	CAP, ELECT(100uF/50V, RA3,ELNA) A3-50V101MG3#8P-T2		CCEA1HRA3101T	1	
	C4705,4706	nsp	CAP, ELECT(47UF/50V, RA3, ELNA) A3-50V470MF3#8P-T2		CCEA1HRA3470T	1	
	C4710,4711	nsp	CAP, ELECT(47UF/50V, RA3, ELNA) A3-50V470MF3#8P-T2		CCEA1HRA3470T	1	
	C4713,4714	nsp	CAP, ELECT(47UF/50V, RA3, ELNA) A3-50V470MF3#8P-T2		CCEA1HRA3470T	1	
	C4727,4728	nsp	CAP, ELECT(100uF/50V, RA3,ELNA) A3-50V101MG3#8P-T2		CCEA1HRA3101T	1	
	C4729,4730	nsp	CAP, ELECT(10uF/100V), ELNA/RA3 A3-100V100E3#8P-T2		CCEA2ARA3100T	1	
	C4761-4768	nsp	CAP, ELECT (10uF/50V, 6.3X11, RA3) 00MF3#8P-T2		CCEA1HRA38P100T	1	
	C4773,4774	nsp	CAP, ELECT (10uF/50V, 6.3X11, RA3) 00MF3#8P-T2		CCEA1HRA38P100T	1	
	C4781,4782	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4801,4802	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4811,4812	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4825-4828	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4831,4832	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4841,4842	nsp	CAP, ELECT(50V/4.7uF)		CCEA1HH4R7T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C4843	943134501580S	CAP, ELECT(25V/33uF)		CCEA1EH330T	1	
	C4844	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4845	943134501580S	CAP, ELECT(25V/33uF)		CCEA1EH330T	1	
	C4851,4852	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4861,4862	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4875-4878	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4881,4882	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4891,4892	nsp	CAP, ELECT(50V/4.7uF)		CCEA1HH4R7T	1	
	C4893	943134501580S	CAP, ELECT(25V/33uF)		CCEA1EH330T	1	
	C4894	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C4895	943134501580S	CAP, ELECT(25V/33uF)		CCEA1EH330T	1	
RESISTORS GROUP							
	R4601,4602	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R4603,4604	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R4605,4606	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R4607,4608	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R4611,4612	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R4613,4614	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R4615,4616	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R4617,4618	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R4625,4626	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R4627,4628	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R4631,4632	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R4633,4634	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R4635,4636	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R4637,4638	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R4641,4642	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R4643,4644	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R4645,4646	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R4647,4648	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R4667,4668	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1	
	R4669,4670	00MNN05470610	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1	
	R4679,4680	nsp	RES, CHIP(1608/5%/130Kohm)		CRJ10DJ134T	1	
	R4681,4682	00MNN05113610	RES, CHIP(1608/5%/11Kohm)		CRJ10DJ113T	1	
	R4683,4684	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R4685,4686	00MNN05470610	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1	
	R4727,4728	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R4783,4784	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R4794-4799	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R4811,4812	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4861,4862	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4897,4898	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
OTHERS PARTS GROUP							
	BK469	nsp	EARTH , INPUT		CMC1A440	1	
	BN461	nsp	WIRE ASS'Y (13P,2.0MM,300MM,UL1007#26)		CWB1B013300HC	1	
	BN492	nsp	WIRE ASS'Y (3P,2.0MM,250MM,UL1007#26)		CWB1B003250HC	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	CN41B	nsp	PIN SOCKET (15P,1.25mm,ANGLE,B-TO-B)		CJP15HJ282Z	1	
	CN42B	nsp	PIN SOCKET (27P,1.25mm,ANGLE, B-TO-B)		CJP27HJ282Z	1	
	CN43B	nsp	PINSOCKET(11P,1.25mm,ANGLE,B-TO-B)		CJP11HJ282Z	1	
	CN45B	nsp	PINSOCKET(11P,1.25mm,ANGLE,B-TO-B)		CJP11HJ282Z	1	
	JK461-463	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1	
	JK464	943643102140S	JACK, 4P(W/R,W/B),SEPA-GND, GOLD		CJJ4P080Z	1	
	JK465	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1	
	L4661,4662	00D9430193601	COIL, TOROIDAL	N/K	CLU9S004Z	1	

VIDEO PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	D1202-1204	nsp	ESD SUPPRESSOR (ASQS 12U 02 0R2, 0.2pF/12V 1005)		CLZ9Z120Z	1	
	D1501	2013100001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	D2301	2013100001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	D3002	2013100001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	D3301,3302	9432090001080S	DIODE , CHIP , SWITCHING 1SS355		CVD1SS355T	1	
	D5161	00D2760718902	DIODE, SCHOTTKY, 30V		CVDRB521S-30	1	
	D5211	2013100001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	D5212	9432020000940S	DIODE , ZENER ,1/2W, 16V		CVDZJ16BT	1	
	D5221	2013100001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	D5222	9432020000940S	DIODE , ZENER ,1/2W, 16V		CVDZJ16BT	1	
	D5256	2013100001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	D5257	90M-HI200020R	INFRARED L.E.D		BVDSIR34ST3F	1	
	D5312	2013100001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	IC156	9432390104005	I.C, REGULATOR(1.8V/TO-252)		CVINJM2845DL118	1	
	IC202	9432391007205	I.C , EEPROM(256KBIT,SOP-8P)		CVIR1EX24256BSAS0A	1	
	IC308	9432391007305	I.C , SYSTEM RESET(4.8V , SOT-25A)		CVIPST8448NR	1	
	IC310	9432390104005	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1	
	IC320	9432391007105	I.C,CURRENTLIMITE(1.5A,UDFN-6P)		CVINCP380HMU15AATBG	1	
	IC392,393	9632461007405	I.C , SDRAM(256M,8BIT,TSOP-54P)		CVIA3V56S30FTP-G6	1	
	IC407	2368100835065	I.C , CLOCK JITTER		CVICS210010-CZZR	1	
	IC409	9432460126905	I.C , 64M SDRAM		CVIW9864G6JH-6	1	
	IC441	2368100735095	I.C, DAC(8CH 192kHz 24-Bit)		CVIAK4358VQ	1	
	IC442	00D2631289005	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	IC447	00D2631289005	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	IC511	2358100466035	IC , MULTI INPUT VIDEO		CVIAVDM2000	1	
	IC513	9432390104005	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1	
	IC521	9632390088005	I.C, RS232 (3.3V)		CVIILX3232DT	1	
	IC522,523	00D2631286903	I.C , REGULATOR (12V)		CVIPQ120DNA1ZPH	1	
	IC531	9432390104005	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1	
	IC532	00D2631289005	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	Q1508	9432145000205	T.R,2SC3052		CVT2SC3052	1	
	Q2304,2305	9432145000205	T.R,2SC3052		CVT2SC3052	1	
	Q2306	9432145000305	T.R , MUTE		CVTINC2001AC1	1	
	Q2401	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q3007	9432165000505	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1	
	Q3012	00D2710326904	T.R,2SA1954		CVT2SA1954	1	
	Q3013	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q3033	00D2710326904	T.R,2SA1954		CVT2SA1954	1	
	Q3034	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q3035	9432145000205	T.R,2SC3052		CVT2SC3052	1	
	Q3038	9432165000505	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1	
	Q3900	9432155000205	T.R , RT1P141C(10K-10K)		CVTRT1P141C	1	
	Q3901	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q4001	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q5253	9432155000305	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1	
	Q5311	9432155000205	T.R , RT1P141C(10K-10K)		CVTRT1P141C	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	Q5312	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q5313,5314	943215500020S	T.R , RT1P141C(10K-10K)		CVTRT1P141C	1	
	Q5315	943214500020S	T.R,2SC3052		CVT2SC3052	1	
	Q5316	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
CAPACITORS GROUP							
	C1203-1205	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C1207	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C1209	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C1211	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	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	
	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	
	C1232	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	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	1	
	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	
	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	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	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	
	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	
	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	
	C1301-1303	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1305	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C1306	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1315-1321	nsp	CAP, CHIP (1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C1323,1324	nsp	CAP, CHIP (1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C1326	nsp	CAP, CHIP (1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C1327	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C1328	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	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	
	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	
	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	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	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	
	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	
	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	
	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	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	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	
	C1460	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1462	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1466	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1503	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1506,1507	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1515	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	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	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1522	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C1524,1525	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	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	1	
	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	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	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	1	
	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	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	
	C1590,1591	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1594-1625	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1628	nsp	CAP, CHIP(1005, 50V/33pF)		CCUI1H330JA	1	
	C1629	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C1631	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1632,1633	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C1634	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1635	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C1636,1637	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1640	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1641	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C1645	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	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	
	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	
	C1675	nsp	CAP, CHIP (1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	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	
	C1687	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	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	1	
	C1697-1701	nsp	CAP, CHIP (1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C1704	nsp	CAP, CHIP (1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C2012	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2015,2016	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2019-2022	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2025	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	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	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2325,2326	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C2401	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2916	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2922,2923	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2932-2938	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C2942	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3009	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3010	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3071,3072	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3087	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3089	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3092	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3093	nsp	CAP, CHIP(1005, 25V/0.015uF)		CCUI1E153KC	1	
	C3095,3096	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3152	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3153	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3203,3204	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3205,3206	nsp	CAP, CHIP (1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C3209	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3243-3245	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3248,3249	nsp	CAP, CHIP(1005, 50V/1pF)		CCUI1H1R0CA	1	
	C3253	nsp	CAP, CHIP(1005, 50V/1000pF)	U	CCUI1H102KC	1	
	C3253	nsp	CAP, CHIP(1005, 50V/330pF)	N/K	CCUI1H331JA	1	
	C3255	nsp	CAP, CHIP(1005, 50V/1000pF)	U	CCUI1H102KC	1	
	C3255	nsp	CAP, CHIP(1005, 50V/330pF)	N/K	CCUI1H331JA	1	
	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	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3273,3274	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C3303	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3304	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3306	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3309	nsp	CAP, CHIP(1608, 6.3V/2.2uF)		CCUS0J225KC	1	
	C3311	nsp	CAP, CHIP(1608, 6.3V/2.2uF)		CCUS0J225KC	1	
	C3313	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3900	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3904,3905	nsp	CAP, CHIP (1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C3908-3913	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3915-3918	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C3923	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C3928,3929	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C3930-3935	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3937-3939	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	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	1	
	C3954-3958	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3959-3963	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3964,3965	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3966,3967	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3968-3970	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3973,3974	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3975-3979	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3980,3981	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4012,4013	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4016,4017	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4024	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4026	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4033	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4050	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4053,4054	nsp	CAP, CHIP(1005, 50V/100pF)		CCUI1H101JA	1	
	C4057-4060	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	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	1	
	C4069-4075	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4081	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4083	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4085,4086	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4088-4090	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4095	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4097,4098	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4100,4101	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4103	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4106-4109	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4111,4112	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4121	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4123	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4126-4132	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4134-4143	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4146-4153	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4155	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4157-4164	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4167,4168	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4406,4407	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C4409,4410	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	1	
	C4411,4412	nsp	CAP, CHIP(1608, 50V/3900pF)		CCUS1H392KC	1	
	C4423-4426	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C4471,4472	nsp	CAP, CHIP(1608, 50V/3900pF)		CCUS1H392KC	1	
	C4483-4486	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	1	
	C4492	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4493,4494	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4497	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4511,4512	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C4513,4514	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C4516	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4521,4522	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	1	
	C4527,4528	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	1	
	C4540	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4542	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4583,4584	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4589-4591	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C5012	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C5013	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C5016	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C5025,5026	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	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	1	
	C5036	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	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	1	
	C5052	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C5053,5054	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C5056	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C5060	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C5064	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C5065,5066	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	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	1	
	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	1	
	C5087	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C5089	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C5107-5109	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C5121-5123	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C5131-5133	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C5151-5153	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C5161	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5162	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C5163	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5164	963134010980S	CAP, ELECT(16V/47uF)		CCEA1CH470T	1	
	C5165,5166	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5171	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5174-5176	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5178-5181	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5182,5183	963134010980S	CAP, ELECT(16V/47uF)		CCEA1CH470T	1	
	C5184-5192	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5193,5194	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C5211,5212	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C5213,5214	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5221,5222	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C5223,5224	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5231	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5233-5235	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5236	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C5237	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5238,5239	00MDD95330300	CAP, CHIP(1608, 50V/33pF)		CCUS1H330JA	1	
	C5256,5257	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	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	1	
	C5331,5332	nsp	CAP,CHIP(1608,50V/470pF)		CCUS1H471JA	1	
	C5333-5336	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C5371,5372	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C5373,5374	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C5399	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
RESISTORS GROUP							
	R1201	nsp	RES, CHIP(1005/5%/2.2Kohm)		CRJ06IJ222T	1	
	R1202	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1	
	R1206	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R1207,1208	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R1209	nsp	RES, CHIP(1005/5%/2Kohm)		CRJ06IJ202T	1	
	R1210,1211	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1219,1220	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	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	
	R1227	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R1232	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	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	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R1242	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R1247	943129007280M	RES, CHIP(1608/5%/24ohm)		CRJ10DJ240T	1	
	R1249	943129007280M	RES, CHIP(1608/5%/24ohm)		CRJ10DJ240T	1	
	R1251	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R1255,1256	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	R1258,1259	nsp	RES, CHIP(1005/5%/2.2Kohm)		CRJ06IJ222T	1	
	R1260	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R1261-1264	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R1275-1277	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1286	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1290	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1295-1299	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R1501,1502	nsp	RES, CHIP(1005/1%/1Kohm)		CRJ06IF1001T	1	
	R1503,1504	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	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	1	
	R1523,1524	nsp	RES, CHIP(1608/1%/2.7Kohm)		CRJ10DF2701T	1	
	R1532,1533	nsp	RES, CHIP(1608/1%/180ohm)		CRJ10DF1800T	1	
	R1536	943124001530S	RES, CHIP(1608/1%/470ohm)		CRJ10DF4700T	1	
	R1538	943124001530S	RES, CHIP(1608/1%/470ohm)		CRJ10DF4700T	1	
	R1540	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R1542,1543	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R1554,1555	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1	
	R1559-1561	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1	
	R1566,1567	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	R1575,1576	nsp	RES, CHIP(1005/1%/1Kohm)		CRJ06IF1001T	1	
	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	
	R1618	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1619	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R1622	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R1646	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1649	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1652,1653	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1656,1657	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1660,1661	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1664,1665	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1696	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R2005-2007	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1	
	R2042-2044	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2048	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2095,2096	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2103	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2107	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R2112	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	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	1	
	R2119-2121	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2122	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R2131,2132	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R2155,2156	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2308	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2312,2313	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2316,2317	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2321	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2322	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2324	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2325,2326	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2330-2334	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2340-2342	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	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	1	
	R2359	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1	
	R2360,2361	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2362,2363	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2365	nsp	RES, CHIP(1005/5%/470Kohm)		CRJ06IJ474T	1	
	R2382	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2384	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2388-2395	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	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	
	R3062,3063	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3066,3067	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3081	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3082	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	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	
	R3097	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3098	nsp	RES, CHIP(1005/5%/3.3Kohm)		CRJ06IJ332T	1	
	R3203,3204	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3212	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3234	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3238	nsp	RES, CHIP(1005/5%/4.7ohm)		CRJ06IJ4R7T	1	
	R3239,3240	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	R3242,3243	00MNN05033610	RES, CHIP(1608/5%/3.3ohm)		CRJ10DJ3R3T	1	
	R3245	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3303	90M-NN000600R	RES, CHIP(1608/1%/1.5Kohm)		CRJ10DF1501T	1	
	R3310	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R3313,3314	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3902-3904	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R3909	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1	
	R3910,3911	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R3915	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3917	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R3946	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R3961-3964	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	
	R3971	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	1	
	R3972	nsp	RES, CHIP(1005/5%/1.2Kohm)		CRJ06IJ122T	1	
	R3992	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R4011	nsp	RES, CHIP(1005/5%/330Kohm)		CRJ06IJ334T	1	
	R4014	nsp	RES, CHIP(1005/5%/330Kohm)		CRJ06IJ334T	1	
	R4027,4028	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4047	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1	
	R4051,4052	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1	
	R4053	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4054	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1	
	R4055	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4057	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1	
	R4062-4065	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R4068	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R4069,4070	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4071	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R4078	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	R4080	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	R4096	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4097	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4100	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4113,4114	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R4115,4116	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4118	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4120	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4149,4150	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R4151	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4152	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4157	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1	
	R4159	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4411-4414	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R4419-4422	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R4423-4426	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R4427,4428	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4471-4474	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R4479-4482	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R4483-4486	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R4487,4488	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4515	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4516	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1	
	R5009	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1	
	R5017	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1	
	R5028	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1	
	R5035	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1	
	R5048	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R5057	00MNN05100610	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	
	R5091	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R5101-5103	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	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	
	R5119	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R5120	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	R5121	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5121,5122	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R5123	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5125	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5131	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5133	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5135	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5151	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5153	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5155	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5171,5172	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R5173,5174	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R5175	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5176	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R5177	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5178	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R5179	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5180,5181	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R5183-5186	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R5187-5189	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5190	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R5193,5194	nsp	RES, CHIP(1608/1%/75ohm)		CRJ10DF75R0T	1	
	R5195-5198	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5231-5234	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R5255	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R5256,5257	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R5258	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R5311,5312	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R5313	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5314	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
	R5315	00MNN05473610	RES, CHIP(1608/5%/47Kohm)		CRJ10DJ473T	1	
	R5316	nsp	RES,CHIP(1608/5%/18Kohm)		CRJ10DJ183T	1	
	R5317	00MNN05470610	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1	
	R5318	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5331,5332	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R5333,5334	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R5335-5338	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R5341-5344	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R5352	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R5353,5354	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R5355	00MNN05470610	RES, CHIP(1608/5%/47ohm)		CRJ10DJ470T	1	
	R5356-5358	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5371,5372	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R5373,5374	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	RN141	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	
	RN152	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	1	
	RN154	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	1	
	RN404	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1	
	RN415	nsp	RES, CHIP(1005/5%/100ohm*4)		CRJ064IJ101T	1	
	RN441	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1	
OTHERS PARTS GROUP							
	BD401	nsp	FERRITE CHIP BEAD(2012/220R)		CLZ9R006Z	1	
	BK503	nsp	BRACKET, SHIELD		CMD1A775	1	
	CN51B	nsp	PIN SOCKET (15P,1.25mm,ANGLE,B-TO-B)		CJP15HJ282Z	1	
	CN52B	nsp	PINSOCKET(11P,1.25mm,ANGLE,B-TO-B)		CJP11HJ282Z	1	
	CN53B	nsp	PIN SOCKET (21P,1.25mm,ANGLE, B-TO-B)		CJP21HJ282Z	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	1	
	JK521	943646100420S	JACK , 9P D-SUB FEMALE(RS-232C)		CJJ9W001Z	1	
	JK522,523	90M-YT004860R	JACK, STEREO (BLK MOLD)		CJJ2D008Z	1	
	JK526	90M-YT004860R	JACK, STEREO (BLK MOLD)		CJJ2D008Z	1	
	JK531	90M-YT003120R	JACK , IN/OUT		CJJ4N036Z	1	
	JK532	963643012080M	JACK , DIN-901B(9P)		CJS6V001Y	1	
	L1201,1202	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1	
	L1205	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1	
	L1209,1210	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1	
	L1506,1507	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L1518	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L3033	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	1	
	L3212	nsp	COIL, CHOKE CHIP(2012/180R)		CLZ9Z127Z	1	
	L3217,3218	nsp	FERRITE CHIP BEAD(2012/220R)		CLZ9R006Z	1	
	L3900-3902	nsp	FERRITE CHIP BEAD(2012/220R)		CLZ9R006Z	1	
	L5001,5002	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L5004,5005	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L5009-5012	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	RC521	262010007707S	SENSOR, REMOTE(36.7KHz)		CRVHM336R	1	

DIGITAL PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	D1201	00D2760718902	DIODE, SCHOTTKY, 30V		CVDRB521S-30	1	
	D1610-1612	nsp	ESD SUPPRESSOR (ASQS 12U 02 0R2, 0.2pF/12V 1005)		CLZ9Z120Z	1	
	D1622-1624	nsp	ESD SUPPRESSOR (ASQS 12U 02 0R2, 0.2pF/12V 1005)		CLZ9Z120Z	1	
	D3001	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	D9301	943209001080S	DIODE , CHIP , SWITCHING 1SS355		CVD1SS355T	1	
	D9304,9305	943209001080S	DIODE , CHIP , SWITCHING 1SS355		CVD1SS355T	1	
	IC121	963236101220D	I.C , HDMI RX		CVIADV7850KBCZ-5	1	
	IC122	963239002150S	I.C , OCTAL BUFFER/DRIVER		CVISN74LVC244APWR	1	
	IC124	943239100760S	I.C , DE/MUX (8CH ANALOG,TSSOP-16P)		CVITC74VHC4051AFT	1	
	IC151	963236101310S	I.C ADV8003KBCZ-8C (WITH HDMI TX)		CVIADV8003KBCZ8C_K	1	
	IC152,153	23981007960AS	I.C , DDR2 SDRAM (512M,FBGA-84P)		CVIK4T51163QJ-BCE7	1	
	IC155	943248101490S	AV7701 OSD FLASH, U/N , CVIANAM1725AV		CVIANAM1725AV	1	*
	IC155	943248101500S	AV7701 OSD FLASH,K1B , CVIANAM1726AV		CVIANAM1726AV	1	*
	IC201	943243101350S	AV7701 MAIN CPU, U/N , CVIANAM1720AV		CVIANAM1720AV	1	*
	IC201	943243101360S	AV7701 MAIN CPU, K1B , CVIANAM1721AV		CVIANAM1721AV	1	*
	IC231	943248101480S	AV7701 SUB CPU, ALL , CVIANAM1722AV		CVIANAM1722AV	1	*
	IC241	00D2623448908	I.C , 3STATE QUAD BUFFER		CVITC74VHC125FT	1	
	IC301-303	nsp	I.C , DC-DC CONVERTER (3A, QFN T&R-38P)		CVIEX3AV	1	
	IC305-307	nsp	I.C , DC-DC CONVERTER (3A, QFN T&R-38P)		CVIEX3AV	1	
	IC309	943239010400S	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1	
	IC321	943239100690S	I.C , 2CH DAC(32BIT,384KHZ,TSSOP-20P)		CVIPCM5100PWR	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,IPODAUTHENTICATIONFROMD&M		CVI23671011050AS_DM	1	
	IC327	943239010400S	I.C, REGULATOR(3.3V/TO-252)		CVINJM2845DL133	1	
	IC390	23681011260AS	I.C , Network Media processor(LFBGA-320P)		CVIDM860A	1	
	IC394	nsp	I.C, 1G NAND FLASH(48P-TSOP1)		CVIH27U1G8F2BTR-BC	1	
	IC401	00D2623077900	IC , HEX INVERTER		HVITC74VHCU04FT	1	
	IC403	00MHC10418030	I.C , DIR		CVILC89057WVF4AE	1	
	IC406	943243101090S	I.C , PLD(SR7007)		CVIANAM1699AV	1	
	IC408	nsp	I.C , DSP SHARC (LQFP-176P/400M/3019)		CVIADSP21487KSWZ4B19	1	
	IC410	943248101300S	I.C , FLASH(for DSP SR7007 ALL)		CVIANAM1712AV	1	
	IC443	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_ Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	IC445	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_ Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	IC451	236810086505S	I.C , ADC(96kHz 24-Bit)		CVIAK5358BET	1	
	IC501	nsp	I.C , HDMI PORT PROCESSOR		CVISII9575CTUC	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	Q1201-1203	9432165000505	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1	
	Q1502	90M-HY200050R	F.E.T (NEC)		CVTUPA672T	1	
	Q2301	9432155000205	T.R , RT1P141C(10K-10K)		CVTRT1P141C	1	
	Q2302,2303	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q3001,3002	9432295000205	MOSFET,TPC6111(P-CH,U-MOSV)		CVTTPC6111	1	
	Q3004	9432295000205	MOSFET,TPC6111(P-CH,U-MOSV)		CVTTPC6111	1	
	Q3005	00D2710326904	T.R,2SA1954		CVT2SA1954	1	
	Q3006	9432165000505	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1	
	Q3008	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q3009	9432165000505	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1	
	Q3015	00D2710326904	T.R,2SA1954		CVT2SA1954	1	
	Q3016	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q3017	00D2710326904	T.R,2SA1954		CVT2SA1954	1	
	Q3018	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q3019	00D2710326904	T.R,2SA1954		CVT2SA1954	1	
	Q3020	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q3031	00D2710326904	T.R,2SA1954		CVT2SA1954	1	
	Q3032	9432165000205	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q3039	9432295000205	MOSFET,TPC6111(P-CH,U-MOSV)		CVTTPC6111	1	
	Q6839	9432155000305	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1	
	Q6840	9432165000505	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1	
	Q6846	9432155000305	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1	
	Q6869	9432155000305	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1	
	Q6870	9432165000505	T.R,RT1N441C(47K-47K)		CVTRT1N441C	1	
	Q6876	9432155000305	T.R,RT1P441C(47K-47K)		CVTRT1P441C	1	
CAPACITORS GROUP							
	C1206	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C1208	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C1210	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	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	1	
	C1227	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1231	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1233	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1279	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1285	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1296-1300	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1304	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C1310	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1322	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C1325	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C1329	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C1337	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C1352	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1372	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1394	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	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	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	
	C1463	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C1464	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1502	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	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	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1521	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1577	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1586-1588	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C1592,1593	nsp	CAP,CHIP(1608,50V/12pF)		CCUS1H120JA	1	
	C1626	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C1630	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1657	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C1670-1674	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C1686	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C1702	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C1705	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C2013,2014	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2017,2018	nsp	CAP, CHIP(1608, 50V/15pF)		CCUS1H150JA	1	
	C2023,2024	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2301,2302	nsp	CAP,CHIP(1608,50V/12pF)		CCUS1H120JA	1	
	C2315,2316	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2908	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C2910-2915	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2917	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2924,2925	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C2939-2941	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C2943	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3001,3002	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3003	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3004	nsp	CAP, CHIP(2012, 10V/22uF)		CCUC1A226KC	1	
	C3007	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C3008	nsp	CAP, CHIP(1608, 50V/15pF)		CCUS1H150JA	1	
	C3011,3012	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3013	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3014	nsp	CAP, CHIP(2012, 10V/22uF)		CCUC1A226KC	1	
	C3017	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C3018	nsp	CAP, CHIP(1608, 50V/15pF)		CCUS1H150JA	1	
	C3020	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3031,3032	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3033	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3034	nsp	CAP, CHIP(2012, 10V/22uF)		CCUC1A226KC	1	
	C3037	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C3038	nsp	CAP, CHIP(1608, 50V/15pF)		CCUS1H150JA	1	
	C3041,3042	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C3043	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3044	nsp	CAP, CHIP(2012, 10V/22uF)		CCUC1A226KC	1	
	C3047	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C3048	nsp	CAP, CHIP(1608, 50V/15pF)		CCUS1H150JA	1	
	C3051,3052	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3053	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3054	nsp	CAP, CHIP(2012, 10V/22uF)		CCUC1A226KC	1	
	C3057	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C3058	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3059,3060	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3063	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C3064	nsp	CAP, CHIP(1608, 50V/10pF)		CCUS1H100JA	1	
	C3065	nsp	CAP, CHIP(2012, 10V/22uF)		CCUC1A226KC	1	
	C3068	nsp	CAP, CHIP(1005, 25V/0.022uF)		CCUI1E223KC	1	
	C3069	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3075	943134500040S	CAP, CHIP ELECT(16V/100uF)		HCEC1CRV2101T	1	
	C3076	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3077	nsp	CAP, CHIP ELECT(16V/10uF)		HCEC1CRV2100T	1	
	C3078,3079	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3080	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C3081	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3082	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C3083	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3086	943134500030S	CAP, SMD ELECT(16V/470uF)		CCEC1CRV471T	1	
	C3091	943134500030S	CAP, SMD ELECT(16V/470uF)		CCEC1CRV471T	1	
	C3094	nsp	CAP, CHIP(1608, 10V/1uF)		CCUS1A105KC	1	
	C3099	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3151	nsp	CAP, CHIP(1608, 50V/15pF)		CCUS1H150JA	1	
	C3154,3155	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3156-3163	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C3202	nsp	CAP, CHIP(1005, 25V/0.022uF)		CCUI1E223KC	1	
	C3207,3208	nsp	CAP, CHIP(1005, 50V/15pF)		CCUI1H150JA	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	1	
	C3229,3230	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3234	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C3246	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3271,3272	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3301	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C3302	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3307,3308	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3310	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3312	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3314,3315	nsp	CAP, CHIP(1005, 50V/2200pF)		CCUI1H222KC	1	
	C3316	943134005160M	CAP, CHIP ELECT(6.3V/22uF)		HCEC0JRV2220T	1	
	C3901,3902	nsp	CAP, CHIP(1608, 50V/10pF)		CCUS1H100JA	1	
	C3906,3907	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C3914	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3926,3927	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C3936	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C3971,3972	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4003,4004	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C4005-4008	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4009,4010	nsp	CAP, CHIP(1005, 25V/0.01uF)		CCUI1E103KC	1	
	C4014	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4015	nsp	CAP, CHIP(1005, 25V/0.022uF)		CCUI1E223KC	1	
	C4018	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4020	nsp	CAP, CHIP(2012, 6.3V/10uF, X5R)		CCUC0J106KC	1	
	C4021	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4022	nsp	CAP,CHIP(1608,50V/12pF)		CCUS1H120JA	1	
	C4025	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4034	nsp	CAP,CHIP(1608,50V/12pF)		CCUS1H120JA	1	
	C4049	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4051	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4052	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4055,4056	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4067,4068	nsp	CAP,CHIP(1608,50V/18pF)		CCUS1H180JA	1	
	C4076-4080	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4082	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4084	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4087	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4091-4094	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4096	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4099	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4102	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4105	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4110	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4113,4114	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4122	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4124,4125	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4133	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4144,4145	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4154	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4156	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4165,4166	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4169	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4402	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4404,4405	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C4408	943134500040S	CAP, CHIP ELECT(16V/100uF)		HCEC1CRV2101T	1	
	C4429,4430	943134500040S	CAP, CHIP ELECT(16V/100uF)		HCEC1CRV2101T	1	
	C4431,4432	nsp	CAP, CHIP(1608, 50V/3900pF)		CCUS1H392KC	1	
	C4443-4446	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	1	
	C4451,4452	nsp	CAP, CHIP(1608, 50V/3900pF)		CCUS1H392KC	1	
	C4463-4466	nsp	CAP,CHIP(1608,50V/470pF)		CCUS1H471JA	1	
	C4491	nsp	CAP, CHIP(1005, 16V/0.1uF)		CCUI1C104KC	1	
	C4498,4499	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4505,4506	nsp	CAP,CHIP(1608,50V/4700pF)		CCUS1H472KC	1	
	C4507,4508	nsp	CAP, CHIP ELECT(16V/10uF)		HCEC1CRV2100T	1	
	C4523-4526	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C4537,4538	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4541	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4544	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4581	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	C4585-4588	nsp	CAP, CHIP(1005, 50V/1000pF)		CCUI1H102KC	1	
	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	
	C5014,5015	nsp	CAP,CHIP(1608,50V/12pF)		CCUS1H120JA	1	
	C5037,5038	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C5057,5058	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C5061,5062	nsp	CAP, CHIP(1608, 6.3V/4.7uF, MURATA GRM18)		CCUS0J475KC	1	
	C6096	nsp	CAP, CHIP(1608, 50V/100pF)	N/K	CCUS1H101JA	1	
	C6745	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C6782	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C6820	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C6877	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C6897	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C6901-6903	nsp	CAP, CHIP(1608, 50V/100pF)	N/K	CCUS1H101JA	1	
	C6904	nsp	CAP, CHIP(1608, 50V/0.1uF)	N/K	CCUS1H104KC	1	
	C6911	nsp	CAP, CHIP(1608, 50V/0.1uF)	N/K	CCUS1H104KC	1	
RESISTORS GROUP							
	R1203-1205	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1213	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1218	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R1225	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R1226	943124001530S	RES, CHIP(1608/1%/470ohm)		CRJ10DF4700T	1	
	R1229	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R1234-1238	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R1243-1246	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R1248	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R1250	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R1252,1253	nsp	RES, CHIP(1608/5%/51ohm)		CRJ10DJ510T	1	
	R1254	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1	
	R1265-1268	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R1269,1270	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R1271	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R1273,1274	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1280	nsp	RES, CHIP(1005/5%/680ohm)		CRJ06IJ681T	1	
	R1284	nsp	RES, CHIP(1005/5%/680ohm)		CRJ06IJ681T	1	
	R1287-1289	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1291-1293	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1294	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R1301,1302	90M-NP000010R	RES, CHIP(1005/5%/22ohm)		CRJ06IJ220T	1	
	R1303-1308	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R1505	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R1506	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R1521	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R1541	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	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	1	
	R1552	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R1553	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R1556	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1	
	R1557	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R1558	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1	
	R1571	nsp	RES, CHIP(1005/5%/39ohm)		CRJ06IJ390T	1	
	R1574	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R1589,1590	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R1604	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R1611	00MNN05222610	RES, CHIP(1608/5%/2.2Kohm)		CRJ10DJ222T	1	
	R1612	nsp	RES, CHIP(1608/5%/1.3Kohm)		CRJ10DJ132T	1	
	R1613,1614	nsp	RES, CHIP(1005/5%/56ohm)		CRJ06IJ560T	1	
	R1635-1638	nsp	RES, CHIP(1608/1%/51ohm)		CRJ10DF51R0T	1	
	R1639,1640	nsp	RES, CHIP(1608/5%/5.1ohm)		CRJ10DJ5R1T	1	
	R1641-1645	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1647,1648	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1650,1651	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1654,1655	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1658,1659	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1662,1663	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1666-1668	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R1691-1694	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R1700-1715	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R2008	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	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	
	R2098	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2100-2102	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2105	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R2111	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2113	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R2123-2125	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2128-2130	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2136	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2138-2140	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2141	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1	
	R2142-2144	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2147	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2149	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2150	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R2152-2154	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2301	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2302,2303	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2304	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R2305	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2306,2307	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2309-2311	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2314	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2318-2320	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2327	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2328	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2329	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2338,2339	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2364	nsp	RES, CHIP(1005/5%/150Kohm)		CRJ06IJ154T	1	
	R2366,2367	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2368	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R2370-2375	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2381	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R2383	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2385,2386	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2401,2402	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R2403,2404	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R2413	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1	
	R2417	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1	
	R2422	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1	
	R2427	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1	
	R2441,2442	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R2910	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R2912	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R3001	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R3004	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R3008	nsp	RES, CHIP(1608/1%/120Kohm)		CRJ10DF1203T	1	
	R3009	nsp	RES, CHIP(1608/5%/820Kohm)		CRJ10DJ824T	1	
	R3010	nsp	RES, CHIP(1608/1%/150Kohm)		CRJ10DF1503T	1	
	R3011	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R3014	nsp	RES, CHIP(1608/1%/120Kohm)		CRJ10DF1203T	1	
	R3015	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R3016	nsp	RES, CHIP(1608/1%/150Kohm)		CRJ10DF1503T	1	
	R3020	90M-NN000670R	RES, CHIP(1608/1%/270Kohm)		CRJ10DF2703T	1	
	R3021	nsp	RES, CHIP(1608/5%/2.7Mohm)		CRJ10DJ275T	1	
	R3026	nsp	RES, CHIP(1608/1%/470Kohm)		CRJ10DF4703T	1	
	R3031	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R3035	nsp	RES, CHIP(1608/1%/150Kohm)		CRJ10DF1503T	1	
	R3036	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R3037	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R3040	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R3041	nsp	RES, CHIP(1608/1%/150Kohm)		CRJ10DF1503T	1	
	R3042	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R3046	nsp	RES, CHIP(1608/1%/220Kohm)		CRJ10DF2203T	1	
	R3047	nsp	RES, CHIP(1608/5%/2.2Mohm)		CRJ10DJ225T	1	
	R3048	nsp	RES, CHIP(1608/1%/150Kohm)		CRJ10DF1503T	1	
	R3053	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R3054	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R3057	nsp	RES, CHIP(1608/1%/47Kohm)		CRJ10DF4702T	1	
	R3058	nsp	RES, CHIP(1608/5%/680Kohm)		CRJ10DJ684T	1	
	R3059	nsp	RES, CHIP(1608/1%/150Kohm)		CRJ10DF1503T	1	
	R3060,3061	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R3064	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3065	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1	
	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	
	R3083	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3093	nsp	RES, CHIP(1005/5%/22Kohm)		CRJ06IJ223T	1	
	R3094	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1	
	R3101,3102	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3202	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3205	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	R3211	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R3216-3218	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	
	R3226	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3229,3230	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R3246	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1	
	R3280-3286	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R3289	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R3291-3294	nsp	RES, CHIP(1608/5%/51ohm)		CRJ10DJ510T	1	
	R3299	943124003370S	RES, CHIP(1608/1%/12Kohm)		CRJ10DF1202T	1	
	R3300	nsp	RES, CHIP(1608/1%/100ohm)		CRJ10DF1000T	1	
	R3305	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3306,3307	nsp	RES, CHIP(1005/5%/470ohm)		CRJ06IJ471T	1	
	R3308	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3905,3906	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1	
	R3907	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3908	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1	
	R3912	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R3913	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1	
	R3914	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R3919	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1	
	R3920	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R3921	nsp	RES, CHIP(1005/5%/1.5Kohm)		CRJ06IJ152T	1	
	R3923	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	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	1	
	R3934-3938	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R3939	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R3943	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R3944,3945	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R3947	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R3950,3951	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	R3953,3954	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R3955,3956	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	
	R3957-3959	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R3965-3969	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	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	1	
	R3991	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4001-4004	nsp	RES, CHIP(1005/5%/150ohm)		CRJ06IJ151T	1	
	R4005,4006	nsp	RES, CHIP(1005/5%/470ohm)		CRJ06IJ471T	1	
	R4012,4013	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R4029,4030	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4032	nsp	RES, CHIP(1005/5%/220ohm)		CRJ06IJ221T	1	
	R4033	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4034	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R4035	00MNN05821610	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	
	R4045,4046	nsp	RES, CHIP(1005/5%/100ohm)		CRJ06IJ101T	1	
	R4048	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	1	
	R4061	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4066	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R4067	00MNN05391610	RES, CHIP(1608/5%/390ohm)		CRJ10DJ391T	1	
	R4073	nsp	RES, CHIP(1005/5%/47ohm)		CRJ06IJ470T	1	
	R4076	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R4079	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4081	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4082	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R4083-4091	nsp	RES, CHIP(1005/5%/10Kohm)		CRJ06IJ103T	1	
	R4098,4099	nsp	RES, CHIP(1005/5%/33ohm)		CRJ06IJ330T	1	
	R4155,4156	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1	
	R4158	nsp	RES, CHIP(1608/5%/33ohm)		CRJ10DJ330T	1	
	R4402	nsp	RES, CHIP(1005/5%/1Kohm)		CRJ06IJ102T	1	
	R4431-4434	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R4436	00MNN05393610	RES, CHIP(1608/5%/39Kohm)		CRJ10DJ393T	1	
	R4438	00MNN05393610	RES, CHIP(1608/5%/39Kohm)		CRJ10DJ393T	1	
	R4439	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R4440	00MNN05123610	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	1	
	R4441	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R4442	00MNN05123610	RES, CHIP(1608/5%/12Kohm)		CRJ10DJ123T	1	
	R4443	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R4444	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	1	
	R4445	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R4446	nsp	RES, CHIP(1608/5%/180ohm)		CRJ10DJ181T	1	
	R4447,4448	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4451-4454	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R4455-4458	nsp	RES, CHIP(1608/5%/150Kohm)		CRJ10DJ154T	1	
	R4459-4462	00MNN05682610	RES, CHIP(1608/5%/6.8Kohm)		CRJ10DJ682T	1	
	R4463-4466	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R4467,4468	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R4501,4502	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R4505,4506	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R5004,5005	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R5007	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R5008	nsp	RES, CHIP(1005/5%/5.1Kohm)		CRJ06IJ512T	1	
	R5013,5014	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R5016	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R5024,5025	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R5027	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R5034	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R5036,5037	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R5044,5045	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R5047	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R5054,5055	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R5071	nsp	RES, CHIP(1608/5%/130Kohm)		CRJ10DJ134T	1	
	R5072	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5081,5082	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	1	
	R5083	nsp	RES, CHIP(1005/5%/47Kohm)		CRJ06IJ473T	1	
	R5084	nsp	RES, CHIP(1005/5%/4.7Kohm)		CRJ06IJ472T	1	
	R5086	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R5092,5093	nsp	RES, CHIP(1005/5%/1.8Kohm)		CRJ06IJ182T	1	
	R5111-5116	nsp	RES, CHIP(1005/5%/0ohm)		CRJ06IJ0R0T	1	
	R5117,5118	nsp	RES, CHIP(1005/5%/10ohm)		CRJ06IJ100T	1	
	R6701,6702	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6707,6708	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6721,6722	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6727,6728	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6741-6748	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R6751,6752	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6757,6758	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6771,6772	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6777,6778	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6795-6799	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R6801	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6804	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6813,6814	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R6821,6822	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R6827,6828	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6833,6834	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6840	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R6843,6844	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R6845	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6846	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R6848	00MNN05821610	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1	
	R6849	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R6850-6853	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R6857,6858	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6863,6864	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6870	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R6873,6874	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R6875	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6891,6892	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R6901-6904	00MNN05101610	RES, CHIP(1608/5%/100ohm)	N/K	CRJ10DJ101T	1	
	R6906	00MNN05101610	RES, CHIP(1608/5%/100ohm)	N/K	CRJ10DJ101T	1	
	R6925	nsp	RES, CHIP(1608/5%/0ohm)	N/K	CRJ10DJ0R0T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	RN140	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	
	RN142-145	nsp	RES, CHIP(1005/5%/4.7Kohm*4)		CRJ064IJ472T	1	
	RN151	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	1	
	RN153	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	1	
	RN155,156	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	1	
	RN158-166	nsp	RES, CHIP(1005/5%/47ohm*4)		CRJ064IJ470T	1	
	RN201	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	
	RN401-403	nsp	RES, CHIP(1005/5%/33ohm*2)		CRJ062IJ330T	1	
	RN411-414	nsp	RES, CHIP(1005/5%/100ohm*4)		CRJ064IJ101T	1	
	RN416-419	nsp	RES, CHIP(1005/5%/100ohm*4)		CRJ064IJ101T	1	
	RN420-423	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	
	RN424,425	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1	
	RN426,427	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	1	
	RN429-432	nsp	RES, CHIP(1005/5%/10ohm*4)		CRJ064IJ100T	1	
	RN433	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	
	RN440	nsp	RES, CHIP(1005/5%/33ohm*4)		CRJ064IJ330T	1	
	RN501-507	nsp	RES, CHIP(1005/5%/10Kohm*4)		CRJ064IJ103T	1	
OTHERS PARTS GROUP							
	BK101-103	#N/A	#N/A		CMD1A569-V1	1	
	CN121	nsp	WAFER, FFC, SMD (23P-1mm, STRAIGHT)		CJP23GA193ZY	1	
	CN201	nsp	WAFER, FFC, SMD (07P-1mm, STRAIGHT)		CJP07GA193ZY	1	
	CN21B	nsp	PIN SOCKET (15P,1.25mm,ANGLE,B-TO-B)		CJP15HJ282Z	1	
	CN24B	nsp	PIN SOCKET (27P,1.25mm,ANGLE, B-TO-B)		CJP27HJ282Z	1	
	CN25B	nsp	PIN SOCKET (17P,1.25mm,ANGLE, B-TO-B) P		CJP17HJ282Z	1	
	CN26B	nsp	PINSOCKET (11P,1.25mm,ANGLE,B-TO-B)		CJP11HJ282Z	1	
	CN27B	nsp	PIN SOCKET (19P,1.25mm,ANGLE, B-TO-B)		CJP19HJ282Z	1	
	CN28B	nsp	PINSOCKET (11P,1.25mm,ANGLE,B-TO-B)		CJP11HJ282Z	1	
	CN321	nsp	WAFER,SMD(2MMPITCH)		CJP05GA208ZY	1	
	CN69B	nsp	WAFER, FFC, SMD (40P-1mm, STRAIGHT)		CJP40GA193ZY	1	
	CN903	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1	
	J3200	963643100130S	JACK,RJ-45W/TRANSFORMER		CJJ9L024Z	1	
	JK151,152	943643100040S	JACK, HDMI(KSI-TWI, W/ FLANGE)		CJJ9H014Z	1	
	JK401	90M-YT003480R	TERMINAL		CJJ4N023Z	1	
	JK402,403	943262100150S	MODULE , OPTICAL(RX 16MHz)		CJSJSR1124	1	
	JK501-507	943643100040S	JACK, HDMI(KSI-TWI, W/ FLANGE)		CJJ9H014Z	1	
	L1203,1204	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1	
	L1206-1208	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1	
	L1211-1213	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1	
	L1501-1505	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	L1508	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L1510	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L1512	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L1514	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L1521,1522	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L2902-2934	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	L2936	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	L3001-3008	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	1	
	L3013-3018	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	1	
	L3019-3021	nsp	FERRITE CHIP BEAD(2012/220R)		CLZBLM21PG221SN1	1	
	L3022	nsp	FERRITE CHIP BEAD(2012/120R)		CLZBLM21AG121SN1	1	
	L3023-3032	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	1	
	L3034	nsp	RES, CHIP(3216/5%/0ohm)		CRJ14CJ0R0T	1	
	L3200,3201	nsp	COIL, CHOKE CHIP(2012/90R)		CLZ9Z128Z	1	
	L3205,3206	nsp	FERRITE CHIP BEAD(2012/220R)		CLZ9R006Z	1	
	L3208	nsp	FERRITE CHIP BEAD(2012/220R)		CLZ9R006Z	1	
	L3211	nsp	RES, CHIP(2012/5%/0ohm)		CRJ18AJ0R0T	1	
	L3213	nsp	RES, CHIP(2012/5%/0ohm)	U	CRJ18AJ0R0T	1	
	L3213	943117003880S	INDUCTOR , FERRITE CHIP (1.5UH, 2012)	N/K	CLQ08E1R5KRZ	1	
	L3214	nsp	RES, CHIP(2012/5%/0ohm)	U	CRJ18AJ0R0T	1	
	L3214	943117003880S	INDUCTOR , FERRITE CHIP (1.5UH, 2012)	N/K	CLQ08E1R5KRZ	1	
	L3216	nsp	RES, CHIP(2012/5%/0ohm)		CRJ18AJ0R0T	1	
	L5003	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	L5006-5008	nsp	FERRITE CHIP BEAD(1608/60R)		CLZ9R005Z	1	
	RY151	943682100250S	RELAY,BC1-5S-R,DC5V,2C2P,SMD		CSL4C012ZE	1	
	X1201	943141100720S	X-TAL, SMD 3.2X2.5, 27.000MHz, 10PF		COX27000I100ST	1	
	X1501	943141100720S	X-TAL, SMD 3.2X2.5, 27.000MHz, 10PF		COX27000I100ST	1	
	X2001	943141100610S	X-TAL, SMD 3.2X2.5, 12.000MHz, 10PF		COX12000I100ST	1	
	X2301	943141100730S	X-TAL, SMD 3.2X2.5, 16.000MHz, 9PF		COX16000I090ST	1	
	X3900	943141100640S	X-TAL, SMD 3.2X2.5, 24.000MHz, 8PF		COX24000I080ST	1	
	X4001	943141100620S	X-TAL, SMD 3.2X2.5, 24.576MHz, 12PF		COX24576I120ST	1	
	X4002	943141100740S	X-TAL, SMD 3.2X2.5, 25.000MHz, 12PF		COX25000I120ST	1	
	X5001	943141100720S	X-TAL, SMD 3.2X2.5, 27.000MHz, 10PF		COX27000I100ST	1	

PREOUT PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	D6845-6847	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D6848	90M-HD302380R	DIODE , ZENER ,1/2W, 3.6V		CVDZJ3.6BT	1	
	D9308,9309	943209001080S	DIODE , CHIP , SWITCHING 1SS355		CVD1SS355T	1	
	IC931,932	943231010390S	I.C,REGULATOR(+5V,T0220IS)		CVIKIA7805BPI	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	
	Q6843,6844	943214500030S	T.R , MUTE		CVTINC2001AC1	1	
	Q6873,6874	943214500030S	T.R , MUTE		CVTINC2001AC1	1	
CAPACITORS GROUP							
	C6707,6708	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1	
	C6709,6710	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C6727,6728	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1	
	C6729,6730	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C6757,6758	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1	
	C6759,6760	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C6777,6778	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1	
	C6779,6780	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C6805	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1	
	C6806	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C6829,6830	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1	
	C6833,6834	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1	
	C6835,6836	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C6845	nsp	CAP, ELECT(50V/0.47uF)		CCEA1HHR47T	1	
	C6849	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C6859,6860	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1	
	C6863,6864	nsp	CAP, ELECT(50V/22uF)		CCEA1HH220T	1	
	C6865,6866	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C6875	nsp	CAP, ELECT(50V/0.47uF)		CCEA1HHR47T	1	
	C6891,6892	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C6893,6894	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C9301	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1	
	C9302	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C9303	nsp	CAP, ELECT(16V/100uF)	N/K	CCEA1CH101T	1	
	C9304,9305	nsp	CAP, ELECT(50V/10uF)	N/K	CCEA1HH100T	1	
	C9306	943134010600S	CAP, ELECT(16V/3300uF)		CCEA1CH332E	1	
	C9307	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C9308	943134010600S	CAP, ELECT(16V/3300uF)		CCEA1CH332E	1	
	C9309	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1	
	C9310	90M-OA000620R	CAP , ELECT		CCEA1EH682E	1	
	C9311	nsp	CAP, ELECT(16V/100uF)		CCEA1CH101T	1	
	C9312	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	1	
	C9316	943134010620S	CAP, ELECT(25V/4700uF)		CCEA1EH472E	1	
RESISTORS GROUP							
	R5647	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5697	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5747	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5847	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5897	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5947	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R5997	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R6703-6706	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R6709,6710	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6711,6712	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6723-6726	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R6729,6730	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R6731,6732	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6753-6756	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R6759,6760	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6761,6762	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6773-6776	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R6779,6780	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6781,6782	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6802,6803	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R6806	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6807	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6829-6832	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R6835,6836	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6837,6838	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6839	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R6859-6862	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R6865,6866	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6867,6868	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R6869	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R6893,6894	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R6895,6896	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R6926	nsp	RES, CHIP(1608/5%/0ohm)	N/K	CRJ10DJ0R0T	1	
	R6927,6928	00MNN05561610	RES, CHIP(1608/5%/560ohm)		CRJ10DJ561T	1	
OTHERS PARTS GROUP							
	BD691	nsp	FERRITE , CHIP BEAD(4516/60R)	N/K	CLZ9Z014Z	1	
	BK610	nsp	PLATE, MAIN PCB		CMC2A424	1	
	BN461	nsp	WIRE ASS'Y LOCKING (13P,2.0MM,220MM,UL1007#26)		CWB1B013220HC	1	
	BN601	nsp	WIRE ASS'Y (3P,2.0MM,250MM,UL1007#26)		CWB1B003250HC	1	
	BN640	nsp	WIRE ASS'Y , (13P, 50mm, 2mm PITCH, UL1007, #26)		CWB1B013050HC	1	
	BN932,933	nsp	PINHEADER (11P,1.25mm,STRAIGHT,B-TO-B)		CJP11GI281Z	1	
	CN62A	nsp	PIN HEADER (15P,1.25mm,STRAIGHT,B-TO-B)		CJP15GI281Z	1	
	CN63A	nsp	PIN HEADER (17P,1.25mm,STRAIGHT,B-TO-B)		CJP17GI281Z	1	
	CN64A	nsp	PIN HEADER (21P,1.25mm,STRAIGHT,B-TO-B)		CJP21GI281Z	1	
	JK681	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1	
	JK682	943643102140S	JACK, 4P(W/R,W/B),SEPA-GND, GOLD		CJJ4P080Z	1	
	JK683	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1	
	JK684	943646000840S	JACK , BOARD		CJJ4M056W	1	
	JK689	943643102210S	JACK, 2P(W/R),SEPA-GND,GOLD		CJJ4N099Z	1	
	TU401	943183100210S	TUNER , RDS , FM(PAL TYPE) , SI4705- B20	N	CNVMW104FV1-S63V	1	
	TU401	943183100220S	TUNER , NO RDS , FM(PAL TYPE) , SI4704-B20	K	CNVMW004FV1-S63	1	

CNT PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	D7022	00D2760683969	DIODE , ZENER(CHIP,12V) VDUDZS15BSR		HVDUDZS12BSR	1	
	D7023-7038	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	D7039	00D2760683969	DIODE , ZENER(CHIP,12V) VDUDZS15BSR		HVDUDZS12BSR	1	
	D7040,7041	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	D7042	00D2760798948	DIODE , ZENER (CHIP,9.1V) 712 TYPE		HVDUDZS9.1BSR	1	
	D7048-7066	201310001503S	DIODE, ULTRA-HIGH SPEED		CVDKDS160RTKP	1	
	IC961	231310009508S	I.C , REGULATOR (3.3V)	U	CVIPQ033DNA1ZPH	1	
	IC962	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU	U	CVIAZ4580MTR-E1-CU	1	
	Q7049	00D2730464901	T.R , CHIP , SOT-23		HVTKTC3875SYRTK	1	
	Q7050	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1	
	Q7052	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q7053	943215500020S	T.R , RT1P141C(10K-10K)		CVTRT1P141C	1	
	Q7054	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q7055	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1	
	Q7056	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q7057	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1	
	Q7058	943215500020S	T.R , RT1P141C(10K-10K)		CVTRT1P141C	1	
	Q7059	00D9430058908	T.R , CHIP , SOT-23		HVTKTA1504SYRTK	1	
	Q7060	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q7061	943215500020S	T.R , RT1P141C(10K-10K)		CVTRT1P141C	1	
	Q7062,7063	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q7064	943215500020S	T.R , RT1P141C(10K-10K)		CVTRT1P141C	1	
	Q7946	943216500020S	T.R,RT1N141C(10K-10K)		CVTRT1N141C	1	
	Q7947	943215500020S	T.R , RT1P141C(10K-10K)		CVTRT1P141C	1	
CAPACITORS GROUP							
	C7000	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C7001,7002	nsp	CAP,CHIP(1608,50V/220pF)		CCUS1H221JA	1	
	C7003	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1	
	C7004	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C7006	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7007-7009	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7010	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7011	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7014-7016	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7017	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7018	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7019-7022	nsp	CAP, CHIP(1608, 50V/330pF)		CCUS1H331JA	1	
	C7024,7025	nsp	CAP,CHIP(1608,50V/220pF)		CCUS1H221JA	1	
	C7026	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7027,7028	nsp	CAP,CHIP(1608,50V/220pF)		CCUS1H221JA	1	
	C7029-7031	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C7032,7033	nsp	CAP,CHIP(1608,50V/220pF)		CCUS1H221JA	1	
	C7034	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1	
	C7035	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7036	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1	
	C7037-7040	nsp	CAP,CHIP(1608,50V/220pF)		CCUS1H221JA	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C7041	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1	
	C7042	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7043	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1	
	C7044-7046	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C7047,7048	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7051,7052	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1	
	C7053-7058	nsp	CAP,CHIP(1608,50V/220pF)		CCUS1H221JA	1	
	C7059	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7060	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1	
	C7061	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7062	nsp	CAP, CHIP(1608, 50V/1000pF)		CCUS1H102KC	1	
	C7063	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C7064	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7065,7066	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7067	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7069	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7070	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7071	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7072,7073	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7075-7077	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7078	nsp	CAP, CHIP(1608, 50V/0.022uF)		CCUS1H223KC	1	
	C7079	nsp	CAP, CHIP(1608, 50V/100pF)		CCUS1H101JA	1	
	C7080-7087	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C7088	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C7090-7093	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C7095,7096	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C7097	nsp	CAP, CHIP(1608, 50V/0.01uF)		CCUS1H103KC	1	
	C7098	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C7201,7202	nsp	CAP, CHIP(1608, 50V/0.1uF)		CCUS1H104KC	1	
	C7203,7204	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	1	
	C9601	nsp	CAP, CHIP(1608, 50V/0.1uF)	U	CCUS1H104KC	1	
	C9602	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
	C9605	nsp	CAP, ELECT(50V/10uF)	U	CCEA1HH100T	1	
	C9609,9610	00MDD95330300	CAP, CHIP(1608, 50V/33pF)	U	CCUS1H330JA	1	
	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	1	
	C9622	nsp	CAP, CHIP(1608, 50V/0.1uF)	U	CCUS1H104KC	1	
	C9644-9646	nsp	CAP, CHIP(1608, 50V/100pF)	U	CCUS1H101JA	1	
RESISTORS GROUP							
	R7000	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7001	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7003	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7004	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7005	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7006,7007	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7008	00MNN05563610	RES, CHIP(1608/5%/56Kohm)		CRJ10DJ563T	1	
	R7009	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7010	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R7012	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7013	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7015	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7017	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7018	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7020	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R7021	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7022,7023	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7024	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7025	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7026	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7027	00MNN05563610	RES, CHIP(1608/5%/56Kohm)		CRJ10DJ563T	1	
	R7028	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7029	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7034	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R7036	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7037	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7038	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7039	00MNN05563610	RES, CHIP(1608/5%/56Kohm)		CRJ10DJ563T	1	
	R7040	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7042	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7043,7044	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7045	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7046	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7047,7048	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R7050-7052	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R7053	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7054,7055	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7057	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7058	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7061	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7062,7063	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7064	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7065	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7066	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7067	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7068	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7069	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7070	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7071	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7072	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7074	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7075	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7076	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7077	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7078	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7079	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7080	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7082	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7083	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7084	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7085	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7086	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R7087,7088	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7089	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7091	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7092	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7093	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7094	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7095	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7096	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7097	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7098	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7099	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7100	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7101	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7102	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7103	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7104	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7106	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7109-7111	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7112	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7113	00MNN05563610	RES, CHIP(1608/5%/56Kohm)		CRJ10DJ563T	1	
	R7114	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7115	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7116	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7117	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7118	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7119	00MNN05563610	RES, CHIP(1608/5%/56Kohm)		CRJ10DJ563T	1	
	R7120	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7122	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7123	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7125	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R7127	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R7129	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7130	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7131	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7134	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7135	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R7136	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7137	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7138	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7140	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7141	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7142	00MNN05563610	RES, CHIP(1608/5%/56Kohm)		CRJ10DJ563T	1	
	R7143	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7144	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7145	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7146	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7147,7148	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7149	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7150	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7152	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7153	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7154	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7155	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R7156	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7157	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7158	nsp	RES, CHIP(1608/5%/470Kohm)		CRJ10DJ474T	1	
	R7159	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7160	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7162,7163	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7165	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7166	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7168	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7169	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7171	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7172	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R7174	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7175	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7176	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7177	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7178	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7179,7180	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7182	00MNN05563610	RES, CHIP(1608/5%/56Kohm)		CRJ10DJ563T	1	
	R7183	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7184	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7185	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7187	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7188	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7190	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7191	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7192	00MNN05221610	RES, CHIP(1608/5%/220ohm)		CRJ10DJ221T	1	
	R7194	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7197	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7198	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7203	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7204	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7205	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7207	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7208	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7210	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7211	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7212	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7215	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7216	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7218	00MNN05563610	RES, CHIP(1608/5%/56Kohm)		CRJ10DJ563T	1	
	R7223-7225	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7226,7227	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R7228,7229	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7230	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7236	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7237	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7238,7239	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R7240	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7241	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7247	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R7248	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7249,7250	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R7251	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R7252	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7253	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R7254	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7255	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R7256	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7257	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R7258	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7260-7264	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R7265	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7268	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7270-7273	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R7274	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R7275	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7276	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R7277	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7278	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R7279	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7280	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7281	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R7287,7288	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R7289,7290	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R7292,7293	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R7294	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7295,7296	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R7297	00MNN05224610	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	1	
	R7298	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7304	00MNN05224610	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	1	
	R7306,7307	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R7308	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7309	nsp	RES, CHIP(1608/5%/3.9Kohm)		CRJ10DJ392T	1	
	R7310	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7316	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7317	00MNN05101610	RES, CHIP(1608/5%/100ohm)		CRJ10DJ101T	1	
	R7318,7319	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R7320,7321	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7322	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7324-7326	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7327-7330	00MNN05821610	RES, CHIP(1608/5%/820ohm)		CRJ10DJ821T	1	
	R7331	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7332	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7333	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7334	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7335,7336	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R7342	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7343,7344	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R7350	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7352	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7353-7355	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7356	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7357	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7358,7359	00MNN05047610	RESISTOR		CRJ10DJ4R7T	1	
	R7360	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R7361,7362	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	
	R7367	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R7368	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7369,7370	00MNN05224610	RES, CHIP(1608/5%/220Kohm)		CRJ10DJ224T	1	
	R7373-7378	00MNN05102610	RES, CHIP(1608/5%/1Kohm)		CRJ10DJ102T	1	
	R9601	nsp	RES,CHIP(1608/5%/15Kohm)	U	CRJ10DJ153T	1	
	R9602,9603	00MNN05104610	RES, CHIP(1608/5%/100Kohm)	U	CRJ10DJ104T	1	
	R9604	nsp	RES,CHIP(1608/5%/15Kohm)	U	CRJ10DJ153T	1	
	R9607,9608	00MNN05243610	RES, CHIP(1608/5%/24Kohm)	U	CRJ10DJ243T	1	
	R9609,9610	00MNN05104610	RES, CHIP(1608/5%/100Kohm)	U	CRJ10DJ104T	1	
	R9612,9613	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1	
	R9644-9646	nsp	RES, CHIP(1608/5%/0ohm)	U	CRJ10DJ0R0T	1	
OTHERS PARTS GROUP							
	CN21A	nsp	PIN HEADER (15P,1.25mm,STRAIGHT,B-TO-B)		CJP15GI281Z	1	
	CN24A	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP27GI281Z	1	
	CN25A	nsp	PIN HEADER (17P,1.25mm,STRAIGHT,B-TO-B)		CJP17GI281Z	1	
	CN26A	nsp	PINHEADER (11P,1.25mm,STRAIGHT,B-TO-B)		CJP11GI281Z	1	
	CN27A	nsp	PIN HEADER (19P,1.25mm,STRAIGHT,B-TO-B)		CJP19GI281Z	1	
	CN28A	nsp	PINHEADER (11P,1.25mm,STRAIGHT,B-TO-B)		CJP11GI281Z	1	
	CN41A	nsp	PIN HEADER (15P,1.25mm,STRAIGHT,B-TO-B)		CJP15GI281Z	1	
	CN42A	nsp	PIN HEADER (27P,1.25mm,STRAIGHT,B-TO-B)		CJP27GI281Z	1	
	CN43A	nsp	PINHEADER (11P,1.25mm,STRAIGHT,B-TO-B)		CJP11GI281Z	1	
	CN45A	nsp	PINHEADER (11P,1.25mm,STRAIGHT,B-TO-B)		CJP11GI281Z	1	
	CN51A	nsp	PIN HEADER (15P,1.25mm,STRAIGHT,B-TO-B)		CJP15GI281Z	1	
	CN52A	nsp	PINHEADER (11P,1.25mm,STRAIGHT,B-TO-B)		CJP11GI281Z	1	
	CN53A	nsp	PIN HEADER (21P,1.25mm,STRAIGHT,B-TO-B)		CJP21GI281Z	1	
	CN62B	nsp	PIN SOCKET (15P,1.25mm,ANGLE,B-TO-B)		CJP15HJ282Z	1	
	CN63B	nsp	PIN SOCKET (17P,1.25mm,ANGLE, B-TO-B) P		CJP17HJ282Z	1	
	CN64B	nsp	PIN SOCKET (21P,1.25mm,ANGLE, B-TO-B)		CJP21HJ282Z	1	
	CN961	nsp	WAFER, FFC(13P-1.25mm, STRAIGHT)	U	CJP13GA115ZY	1	
	JW902	nsp	WIRE ASS'Y (1P, 80MM,BLK,#22)		CWE5202080A	1	

H-DAM AMP PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	D7043-7047	943203003150S	DIODE , RECTIFIER, RADIAL		CVD1N4007SRT	1	
	D7068	943203003170S	DIODE,BRIDGE		HVDGBJ606	1	
	IC700	nsp	HEAT SINK ASS'Y(HVINJM7812FA+CMY4A025)		CVINJM7812FACA	1	
	IC702-717	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	IC718	00D2630995004	IC, OP AMP JM4556AD		HVINJM4556AD	1	
	IC719	00D2631289900	I.C , OPAMP(DUAL/LOW NOISE)_Copper Z4580MTR-E1-CU		CVIAZ4580MTR-E1-CU	1	
	Q7000	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7001,7002	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7003	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7004	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7005	00D2720158007	T.R TB778O		HVTKTB778O	1	
	Q7006	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7007	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7008	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7009	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7010	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7011	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7012	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7013	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7014,7015	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7016-7018	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7019	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7020	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7021	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7022	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7023,7024	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7025,7026	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7027-7029	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7030,7031	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7032-7034	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	Q7035,7036	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7037	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7038	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7039	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7040	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7041	00D2740198005	T.R TD998O		HVTKTD998O	1	
	Q7042	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7043	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7044	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7045	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7046	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7047	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
	Q7048	00MHX800081AY	T.R , 2SC3324 (NPN, TO-236, LOW NOISE, TOSHIBA)		CVT2SC3324BL	1	
	Q7051	00MHX600081AY	T.R , 2SA1312 (PNP, TO-236, LOW NOISE, TOSHIBA)		CVT2SA1312BL	1	
CAPACITORS GROUP							
	C7005	nsp	CAP,CHIP(1608,50V/470pF)		CCUS1H471JA	1	
	C7012,7013	nsp	CAP,CHIP(1608,50V/470pF)		CCUS1H471JA	1	
	C7023	nsp	CAP,CHIP(1608,50V/470pF)		CCUS1H471JA	1	
	C7049,7050	nsp	CAP,CHIP(1608,50V/470pF)		CCUS1H471JA	1	
	C7068	nsp	CAP,CHIP(1608,50V/470pF)		CCUS1H471JA	1	
	C7074	nsp	CAP,CHIP(1608,50V/470pF)		CCUS1H471JA	1	
	C7100-7102	nsp	FILM CAP. 0.01UF 100V J		HCQI1H103JZT	1	
	C7103,7104	00D2544573994	ELECT CAP RA3-50V 220ME3		CCEA1HRA38P220T	1	
	C7105-7107	00MOA47601621	CAP, ELECT(16V/47uF,ELNA/RA2, 5X11) 6V/47UF, 5X11, ELNA/RA-2		CCEA1ERA470T	1	
	C7108,7109	00D2544573994	ELECT CAP RA3-50V 220ME3		CCEA1HRA38P220T	1	
	C7110	00MOA47601621	CAP, ELECT(16V/47uF,ELNA/RA2, 5X11) 6V/47UF, 5X11, ELNA/RA-2		CCEA1ERA470T	1	
	C7111-7113	00D2544573994	ELECT CAP RA3-50V 220ME3		CCEA1HRA38P220T	1	
	C7114	nsp	CAP, ELECT(50V/10uF)		CCEA1HH100T	1	
	C7115-7117	00D2544573994	ELECT CAP RA3-50V 220ME3		CCEA1HRA38P220T	1	
	C7118	00MOA47601621	CAP, ELECT(16V/47uF,ELNA/RA2, 5X11) 6V/47UF, 5X11, ELNA/RA-2		CCEA1ERA470T	1	
	C7119-7123	00D2544573994	ELECT CAP RA3-50V 220ME3		CCEA1HRA38P220T	1	
	C7124	00MOA47601621	CAP, ELECT(16V/47uF,ELNA/RA2, 5X11) 6V/47UF, 5X11, ELNA/RA-2		CCEA1ERA470T	1	
	C7125,7126	00D2544573994	ELECT CAP RA3-50V 220ME3		CCEA1HRA38P220T	1	
	C7127,7128	00D2544577945	CAP, ELECT(16V/100uF),ELNA/RA3		CCEA1CRA38P101T	1	
	C7131	00MOA47601621	CAP, ELECT(16V/47uF,ELNA/RA2, 5X11) 6V/47UF, 5X11, ELNA/RA-2		CCEA1ERA470T	1	
	C7132,7133	00D2544573981	CAP, ELECT (10uF/50V, 6.3X11, RA3) 00MF3#8P-T2		CCEA1HRA38P100T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C7134	00MOA47601621	CAP, ELECT(16V/47uF,ELNA/RA2, 5X11) 6V/47UF, 5X11, ELNA/RA-2		CCEA1ERA470T	1	
	C7135-7147	00D2544573994	ELECT CAP RA3-50V 220ME3		CCEA1HRA38P220T	1	
	C7148-7166	00D2544574919	CAP, ELECT(47UF/50V, RA3, ELNA) A3-50V470MF3#8P-T2		CCEA1HRA3470T	1	
	C7167,7168	00D2544573994	ELECT CAP RA3-50V 220ME3		CCEA1HRA38P220T	1	
	C7169,7170	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1	
	C7173	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1	
	C7174	943134502050D	E.CAP, 100UF/50V,ELNA RFSA(SILMIC II)		CCEA1HRFSA101E	1	
	C7175	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1	
	C7177	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1	
	C7180-7187	00D2544574919	CAP, ELECT(47UF/50V, RA3, ELNA) A3-50V470MF3#8P-T2		CCEA1HRA3470T	1	
	C7188,7189	00MOB33802570	CAP , ELECT (3300uF/25V, LAO, ELNA) 300U 25V (ALP) (LF)-BLOCK CAP		CCEA1340500031001S	1	
	C7190	00D2544578711	CAP, ELECT(16V/2200uF),ELNA/RA3		CCEA1CRA38P222E	1	
	C7191	943134502050D	E.CAP, 100UF/50V,ELNA RFSA(SILMIC II)		CCEA1HRFSA101E	1	
	C7192	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1	
	C7193	00MOA10803520	CAP , ELECT		CCEA1VH102E	1	
	C7194	00MOA10705020	CAP, ELECT(50V/100uF)		CCEA1HH101T	1	
	C7195,7196	943134502050D	E.CAP, 100UF/50V,ELNA RFSA(SILMIC II)		CCEA1HRFSA101E	1	
	C7199,7200	00D2544569937	CAP, ELECT(25V/220uF,ELNA/RA3)		CCEA1ERA38P221T	1	
	C7205,7206	nsp	CAP, CHIP(1608, 50V/680pF)		CCUS1H681JA	1	
RESISTORS GROUP							
	R7002	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7011	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7014	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7016	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7019	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
	R7030	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7031	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R7032	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7033	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R7035	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
	R7041	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R7049	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7056	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7059	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7060	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7073	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7081	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
	R7090	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
	R7105	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7107	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7108	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7121	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7124	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R7126	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R7128	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
	R7132	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7133	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
	R7139	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R7151	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7161	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7164	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7167	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7170	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7173	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R7181	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7186	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7189	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R7193	00MNN05333610	RES, CHIP(1608/5%/33Kohm)		CRJ10DJ333T	1	
	R7195	00MNN05105610	RES, CHIP(1608/5%/1Mohm)		CRJ10DJ105T	1	
	R7196	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7199	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7200	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7201	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7202	00MNN05220610	RES, CHIP(1608/5%/22ohm)		CRJ10DJ220T	1	
	R7206	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7209	00MNN05331610	RES, CHIP(1608/5%/330ohm)		CRJ10DJ331T	1	
	R7213	nsp	RES, CHIP(1608/5%/470ohm)		CRJ10DJ471T	1	
	R7217	00MNN05562610	RES, CHIP(1608/5%/5.6Kohm)		CRJ10DJ562T	1	
	R7219	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7220	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7221,7222	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7231,7232	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7233	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7234,7235	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7242,7243	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7244	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7245,7246	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7266,7267	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7269	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7282,7283	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7284	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7285,7286	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7291	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7299,7300	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7301	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7302,7303	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7305	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7311,7312	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7313	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7314,7315	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7323	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7337,7338	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7339	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7340,7341	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7345,7346	00MNN05100610	RES, CHIP(1608/5%/10ohm)		CRJ10DJ100T	1	
	R7347	00MNN05104610	RES, CHIP(1608/5%/100Kohm)		CRJ10DJ104T	1	
	R7348,7349	nsp	RES, CHIP(1608/5%/4.7Kohm)		CRJ10DJ472T	1	
	R7372	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T	1	
	R7379	nsp	RES, M-OXIDE FILM(2W/470ohm)		CRG2SANJ471RT	1	
	R7382-7389	00D9430194308	FUSE RES 0.3 ohm 1/6W K		CRQ16AKR30T	1	
	R7390-7395	nsp	RES, CHIP(1608/5%/10Kohm)		CRJ10DJ103T	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
OTHERS PARTS GROUP							
	BK700-702	nsp	BRACKET , XLR		CMD1A825	1	
	BK703	nsp	BRACKET , PCB		CMD1A569-V1	1	
	BK704,705	nsp	PLATE, MAIN PCB		CMC2A424	1	
	BK706	nsp	BRACKET , PCB		CMD1A569-V1	1	
	BK707	nsp	PCB BRACKET		CMD1A629	1	
	BN700	nsp	WIRE ASS'Y Locking (YH) (7P,2MM,180MM,#26)		CWB1B007180HC	1	
	BN701	nsp	WIRE ASS'Y (11P,2.0MM,180MM,UL1007#26)		CWB1B011180HC	1	
	BN704	nsp	LOCK-WAFER/ANGLE/2MM PITCH/13PIN MAW200-13		CJP13GJ288ZY	1	
	BN705	nsp	LOCK-WAFER/ANGLE/2MM PITCH/15PIN MAW200-15		CJP15GJ288ZY	1	
	CN461	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN		CJP13GI288ZY	1	
	CN461P	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN		CJP13GI288ZY	1	
	CN492	nsp	LOCK-WAFER/STRAIGHT/2MMPITCH/3PIN		CJP03GI288ZY	1	
	CN601	nsp	LOCK-WAFER/STRAIGHT/2MMPITCH/3PIN		CJP03GI288ZY	1	
	CN700	nsp	LOCK-WAFER/STRAIGHT/2MMPITCH/7PIN		CJP07GI288ZY	1	
	CN701	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/11PIN MW200-11		CJP11GI288ZY	1	
	CN7010	nsp	WAFER,YW396-03AB(7.92mm)		CJP03GA89ZY	1	
	CN702	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN		CJP13GI288ZY	1	
	CN704	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/13PIN		CJP13GI288ZY	1	
	CN705	nsp	LOCK-WAFER/STRAIGHT/2MM PITCH/15PIN MW200-15		CJP15GI288ZY	1	
⚠	F7000,7001	nsp	HOLDER , FUSE		KJCFC5S	2	
	GND71	nsp	PLATE , EARTH(TRONIC ELECTRONICS)		CJT1A026	1	
	JK700	943643102130S	JACK, 4P(W/R,W/R),SEPA-GND, GOLD		CJJ4P079Z	1	
	JK701-709	643010096009S	JACK, XLR(VERTICAL) LR-301P-A(Q24)		CJJ9P005ZM	1	
	JW701	nsp	WIRE ASS'Y (1P, 80MM,BLK,#22)		CWE5202080A	1	
	RY700-708	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1	
	RY710-717	943682000810S	RELAY,BC3-12H,DC12V,2C2P		CSL4A016ZU	1	

FUSE PCB UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	D9311,9312	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D9315	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D9318,9319	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D9322	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D9325	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D9327	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D9330	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
	D9332	00D9630328409	DIODE , RECTIFIERS		CVD1N4007ST	1	
CAPACITORS GROUP							
	C9317-9319	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQI1H104JZT	1	
	C9321-9323	nsp	CAP, MYLAR(50V/0.1uF/J)		HCQI1H104JZT	1	
RESISTORS GROUP							
	R7801	nsp	RES, M-OXIDE FILM(1W/10ohm)		CRG1SANJ100RT		
	R7802	nsp	RES, M-OXIDE FILM(2W/10ohm)		CRG2SANJ100RT		
	R7809,7810	nsp	RES, M-OXIDE FILM(2W/470ohm)		CRG2SANJ471RT		
	R7811	nsp	RES, M-OXIDE FILM(1W/10ohm)		CRG1SANJ100RT		
	R7812	nsp	RES, M-OXIDE FILM(2W/10ohm)		CRG2SANJ100RT		
	R7821	nsp	RES, M-OXIDE FILM(1W/10ohm)		CRG1SANJ100RT		
	R7822	nsp	RES, M-OXIDE FILM(2W/10ohm)		CRG2SANJ100RT		
	R7831	nsp	RES, M-OXIDE FILM(1W/10ohm)		CRG1SANJ100RT		
	R7832	nsp	RES, M-OXIDE FILM(2W/10ohm)		CRG2SANJ100RT		
	R7841	nsp	RES, M-OXIDE FILM(1W/10ohm)		CRG1SANJ100RT		
	R7842	nsp	RES, M-OXIDE FILM(2W/10ohm)		CRG2SANJ100RT		
	R7851	nsp	RES, M-OXIDE FILM(1W/10ohm)		CRG1SANJ100RT		
	R7852	nsp	RES, M-OXIDE FILM(2W/10ohm)		CRG2SANJ100RT		
	R7861	nsp	RES, M-OXIDE FILM(1W/10ohm)		CRG1SANJ100RT		
	R7862	nsp	RES, M-OXIDE FILM(2W/10ohm)		CRG2SANJ100RT		
	R7921-7926	nsp	RES, M-OXIDE FILM(1W/2.2Kohm)		CRG1SANJ222RT		
	R7927	NSP	RES, CARBON(1/4W,10Kohm,J)		CRD25TJ103T		
	R7934	nsp	RES, CHIP(1608/5%/0ohm)		CRJ10DJ0R0T		
	R7935-7940	00MGD05330160	RES , CARBON		CRD20TJ330T		
OTHERS PARTS GROUP							
	BK931	nsp	PCB BRACKET		CMD1A629	1	
	BN932A,933	nsp	PINSOCKET(11P,1.25mm,ANGLE,B-TO-B)		CJP11HJ282Z	1	
	CN940	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/5PIN		CJP05GI289ZY	1	
	CN941	nsp	LOCK-WAFER/STRAIGHT/2.5MM PITCH/3PIN		CJP03GI289ZY	1	
⚠	F7000,7001	963652010500S	FUSE(S506Series,250V,1.6A)		CBA2C1600TLEC	1	
⚠	F9001	963652010510S	FUSE(S506Series,250V,2A)	U	CBA2C2000TLEC	1	
⚠	F9001	963652010500S	FUSE(S506Series,250V,1.6A)	N/K	CBA2C1600TLEC	1	
⚠	F9002	652010024008S	FUSE(218Series, 250V/1.6A)	U	KBA2C1600TLEY	1	
⚠	F9002	943652001740S	FUSE	N/K	KBA2C1000TLEY	1	
⚠	F9301	nsp	HOLDER , FUSE		KJCFC5S	2	
⚠	F9301	963652010500S	FUSE(S506Series,250V,1.6A)		CBA2C1600TLEC	1	
⚠	F9302	nsp	HOLDER , FUSE		KJCFC5S	2	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
⚠	F9302	963652010500S	FUSE(S506Series,250V,1.6A)		CBA2C1600TLEC	1	
⚠	F9303	nsp	HOLDER , FUSE		KJCFC5S	2	
⚠	F9303	963652010500S	FUSE(S506Series,250V,1.6A)		CBA2C1600TLEC	1	
⚠	F9304	nsp	HOLDER , FUSE		KJCFC5S	2	
⚠	F9304	963652010500S	FUSE(S506Series,250V,1.6A)		CBA2C1600TLEC	1	
⚠	F9305	nsp	HOLDER , FUSE		KJCFC5S	2	
⚠	F9305	963652010500S	FUSE(S506Series,250V,1.6A)		CBA2C1600TLEC	1	

Personal notes: